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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

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

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

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

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

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Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

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

Dates

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

Chiffres de code

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

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

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris

- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction (Redélivrance, Réexamen)
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

2. Country Code

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

2. Code des pays

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

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

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

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

7. Patents Available for Licence or Sale

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

8. List of Patents Available for Licence or Sale

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

None

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Brevets disponibles pour licence ou vente

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

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

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

Aucun

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

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

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

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

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

9. Demandes mises à la disponibilité du public

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

10. Langue du document publié

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

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

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

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

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

Notices

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

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

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Offices.

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

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

14. Correspondence Procedures

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

Web Link for MOPOP:

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

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

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

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Amendment date: June 17, 2019

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

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

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

14. Procédures de correspondance

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

Lien Web pour le RPBB :

http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

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

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

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Avis

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the [Fee Payment Form](#).

1.1 Designated Establishments

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

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

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

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except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

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open for business.

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

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Patents

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

2.2 Online

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

Patents

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

Trademarks

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

Brevets

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

2.2 En ligne

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

Brevets

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

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

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

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

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

Marques de commerce

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

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accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

Copyright

:

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

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

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

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

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

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

Droits d'auteur

Notices

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

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

Industrial Designs

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

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

Integrated Circuit Topographies

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

- [general correspondence relating to integrated circuit topographies](#).

2.3 Electronic medium

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

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

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

Dessins industriels

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

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

Topographies de circuits intégrés

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

- [correspondance générale relative aux topographies de circuits intégrés](#).

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

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

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

PDF Format:

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

ASCII

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

Trademarks

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

Industrial Design

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

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Marques de commerce

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

Dessins industriels

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

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

Notices

4. General Information

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

5. Time Period Extensions

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

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

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

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

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

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

4. Renseignements généraux

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

Notices

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

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

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

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

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

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

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

Marques de commerce

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

8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

Avis

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of January 10, 2023 contains applications open to public inspection from December 25, 2022 to December 31, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 10 janvier 2023 contient les demandes disponibles au public pour consultation pour la période du 25 décembre 2022 au 31 décembre 2022.

Notices

16. Erratum

All information respecting patent application number 3, 128, 715 referred to under the section *Canadian Applications Open to Public Inspection* contained in the September 28, 2021 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 128, 715 sous la rubrique *Demandes canadiennes mises à la disponibilité* du public dans le numéro 28 septembre 2021 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

17. Erratum

All information respecting patent application number 3, 128, 718 referred to under the section *Canadian Applications Open to Public Inspection* contained in the November 2, 2021 issue of the *Canadian Patent Office Record* was erroneously published, and should be disregarded.

17. Erratum

Toutes les informations relatives à la demande de brevet 3, 128, 718 sous la rubrique *Demandes canadiennes mises à la disponibilité* du public dans le numéro 2 novembre 2021 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

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[11] **2,665,369**
[13] C

[51] **Int.Cl. C07K 14/78 (2006.01) C12N 5/071 (2010.01) C12N 5/0775 (2010.01) C12N 5/0789 (2010.01) A61K 35/50 (2015.01) A61K 38/39 (2006.01) A61P 17/02 (2006.01) C07K 1/107 (2006.01)**

[25] EN

[54] **HUMAN PLACENTAL COLLAGEN COMPOSITIONS, AND METHODS OF MAKING AND USING THE SAME**

[54] **COMPOSITIONS DE COLLAGENE DE PLACENTA HUMAIN ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELLES-CI**

[72] BHATIA, MOHIT, US
[72] LUGO, CHRIS, US
[72] YE, QIAN, US
[72] EDINGER, JAMES W., US
[73] CELULARITY INC., US
[85] 2009-04-03
[86] 2007-10-09 (PCT/US2007/021677)
[87] (WO2008/057162)
[30] US (60/850,131) 2006-10-06

[11] **2,689,400**
[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/00 (2006.01) A61M 35/00 (2006.01) A61K 9/08 (2006.01)**

[25] EN

[54] **THERAPEUTIC AGENT DELIVERY APPARATUS AND PROCESS**

[54] **APPAREIL ET PROCEDE D'ADMINISTRATION D'AGENT THERAPEUTIQUE**

[72] ADAMS, KENNETH W., CA
[73] DR. KENNETH ADAMS MEDICINE PROFESSIONAL CORPORATION, CA
[86] (2689400)
[87] (2689400)
[22] 2009-12-30

[11] **2,709,800**
[13] C

[51] **Int.Cl. A61M 16/00 (2006.01) A61B 5/145 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR ADMINISTERING OXYGEN TO A PATIENT AND MONITORING THE PATIENT**

[54] **PROCEDE ET DISPOSITIF POUR ADMINISTRER DE L'OXYGENE A UN PATIENT ET POUR SURVEILLER LE PATIENT**

[72] LELLOUCHE, FRANCOIS, CA
[72] L'HER, ERWAN, FR
[73] UNIVERSITE LAVAL, CA
[86] (2709800)
[87] (2709800)
[22] 2010-07-15
[30] US (61/213,787) 2009-07-15

[11] **2,742,242**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **TREATMENT OF PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA WITH A CD19XCD3 BISPECIFIC SINGLE CHAIN ANTIBODY**

[54] **TRAITEMENT DE LEUCEMIE LYMPHOBLASTIQUE AIGUE PEDIATRIQUE AU MOYEN D'UN ANTICORPS A CHAINE SIMPLE BISPECIFIQUE CD19XCD3**

[72] ZUGMAIER, GERHARD, DE
[73] AMGEN RESEARCH (MUNICH) GMBH, DE
[85] 2011-04-29
[86] 2009-11-06 (PCT/EP2009/007969)
[87] (WO2010/052013)
[30] US (61/112,323) 2008-11-07
[30] US (61/183,291) 2009-06-02
[30] US (61/221,269) 2009-06-29

[11] **2,785,473**
[13] C

[51] **Int.Cl. C07F 9/46 (2006.01) C07F 11/00 (2006.01) C08F 4/78 (2006.01) C08G 61/04 (2006.01)**

[25] EN

[54] **PHOSPHINYL AMIDINE COMPOUNDS, METAL COMPLEXES, CATALYST SYSTEMS, AND THEIR USE TO OLIGOMERIZE OR POLYMERIZE OLEFINS**

[54] **COMPOSES DE PHOSPHINYLAMIDINE, COMPLEXES DE METAL, SYSTEMES DE CATALYSEUR, ET LEUR UTILISATION POUR OLIGOMERISER OU POLYMERISER DES OLEFINES**

[72] SYDORA, ORSON L., US
[72] CARNEY, MICHAEL, US
[72] SMALL, BROOKE L., US
[72] HUTCHISON, STEVEN, US
[72] GEE, JEFFERY C., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2012-06-22
[86] 2010-12-29 (PCT/US2010/062281)
[87] (WO2011/082192)
[30] US (61/291,459) 2009-12-31

[11] **2,813,464**
[13] C

[51] **Int.Cl. G06Q 40/04 (2012.01)**

[25] EN

[54] **SYSTEM AND METHODS FOR FACILITATING OPTIONS AND/OR FUTURES**

[54] **SYSTEME ET PROCEDES POUR FACILITER DES OPTIONS ET/OU DES CONTRATS A TERME STANDARDISE**

[72] LUTNICK, HOWARD W., US
[72] JAYCOBS, RICH, US
[72] WALKER, JAMES LES, US
[73] CFPH, LLC, US
[85] 2013-04-02
[86] 2011-10-03 (PCT/US2011/054575)
[87] (WO2012/047793)
[30] US (61/389,529) 2010-10-04
[30] US (13/249,771) 2011-09-30

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[11] **2,815,119**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **MEANS AND METHODS FOR TREATING DLBCL**

[54] **MOYENS ET METHODES DE TRAITEMENT DU LYMPHOME B DIFFUS A GRANDES CELLULES**

[72] ZUGMAIER, GERHARD, DE

[72] NAGORSEN, DIRK, DE

[72] SCHEELE, JUERGEN, DE

[73] AMGEN RESEARCH (MUNICH) GMBH, DE

[85] 2013-04-18

[86] 2011-10-27 (PCT/EP2011/068851)

[87] (WO2012/055961)

[30] US (61/407,107) 2010-10-27

[11] **2,816,925**
[13] C

[51] **Int.Cl. C12N 15/87 (2006.01) C12N 15/113 (2010.01) A61K 9/14 (2006.01) A61K 31/7088 (2006.01) A61K 47/22 (2006.01) A61K 47/24 (2006.01) C07H 21/00 (2006.01) C12N 15/00 (2006.01) C12N 15/10 (2006.01) C12N 15/88 (2006.01)**

[25] EN

[54] **NUCLEIC ACID-CONTAINING LIPID PARTICLES AND RELATED METHODS**

[54] **PARTICULES LIPIDIQUES CONTENANT DES ACIDES NUCLEIQUES ET PROCEDES ASSOCIES**

[72] BELLIVEAU, NATHAN M., CA

[72] CULLIS, PIETER R., CA

[72] HAFEZ, ISMAIL, CA

[72] HANSEN, CARL LARS GENGHIS, CA

[72] HUFT, JENS, CA

[72] LEUNG, ALEX, CA

[72] MALCOM, STUART, CA

[72] TAYLOR, JAMES, CA

[72] WALKER, DAVID, CA

[72] WILD, ANDRE, CA

[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2013-05-03

[86] 2010-11-04 (PCT/CA2010/001766)

[87] (WO2011/140627)

[30] US (61/280,510) 2009-11-04

[11] **2,818,290**
[13] C

[51] **Int.Cl. B25G 1/00 (2006.01) B25G 1/06 (2006.01) B26F 1/32 (2006.01) E04F 21/00 (2006.01)**

[25] EN

[54] **ROLLING TOOL**

[54] **OUTIL DE LAMINAGE**

[72] EAGLE, DWAYNE, CA

[73] EAGLE, DWAYNE, CA

[86] (2818290)

[87] (2818290)

[22] 2013-06-10

[30] US (61/658,353) 2012-06-11

[11] **2,819,530**
[13] C

[51] **Int.Cl. C12N 15/09 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **CYTOTOXICITY-INDUCING THERAPEUTIC AGENT**

[54] **AGENT THERAPEUTIQUE INDUISANT UNE CYTOTOXICITE**

[72] NEZU, JUNICHI, JP

[72] ISHIGURO, TAKAHIRO, JP

[72] NARITA, ATSUSHI, JP

[72] SAKAMOTO, AKIHISA, JP

[72] KAWAI, YUMIKO, JP

[72] IGAWA, TOMOYUKI, JP

[72] KURAMOCHI, TAICHI, JP

[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP

[85] 2013-05-29

[86] 2011-11-30 (PCT/JP2011/077603)

[87] (WO2012/073985)

[30] JP (2010-266760) 2010-11-30

[30] JP (2011-121771) 2011-05-31

[30] JP (2011-238818) 2011-10-31

[11] **2,820,512**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C10L 1/02 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **PLANTS AND SEEDS OF CANOLA VARIETY SCV816796**

[54] **PLANTS ET SEMENCES DE LA VARIETE DE CANOLA SCV816796**

[72] WU, CHUNREN, US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2820512)

[87] (2820512)

[22] 2013-07-10

[30] US (13/890,085) 2013-05-08

[11] **2,827,405**
[13] C

[51] **Int.Cl. C12N 1/20 (2006.01)**

[25] EN

[54] **MITIGATION OF ODOR IN CLEANING MACHINES AND CLEANING PROCESSES**

[54] **REDUCTION DES ODEURS DANS LES MACHINES DE NETTOYAGE ET LES PROCEDES DE NETTOYAGE**

[72] MCHATTON, SARAH C., US

[72] WILLIAMS, I. MICHELLE, US

[72] PENALOZA-VAZQUEZ, ALEJANDRO, US

[72] O'CONNELL, TIMOTHY, DE

[72] WEIDE, MIRKO, DE

[73] NOVOZYMES BIOLOGICALS, INC., US

[73] NOVOZYMES NORTH AMERICA, INC., US

[73] HENKEL AG & CO. KGAA, DE

[85] 2013-08-14

[86] 2012-02-15 (PCT/US2012/025303)

[87] (WO2012/112718)

[30] US (61/443,055) 2011-02-15

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[11] **2,828,401**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC CANCER VACCINE**
[54] **VACCIN THERAPEUTIQUE CONTRE LE CANCER**
[72] KHAMAR, BAKULESH MAFATLAL, IN
[72] DESAI, NIRAV MANOJKUMAR, IN
[72] SHUKLA, CHANDRESHWAR PRASAD, IN
[72] DARJI, AVANI DEVENBHAI, IN
[72] MODI, INDRAVADAN AMBALAL (DECEASED), IN
[73] CADILA PHARMACEUTICALS LIMITED, IN
[85] 2013-08-27
[86] 2012-02-27 (PCT/IB2012/050876)
[87] (WO2012/117323)
[30] IN (555/MUM/2011) 2011-02-28

[11] **2,831,237**
[13] C

[51] **Int.Cl. B29C 70/44 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING SLIDE-ROOM FOR RECREATIONAL VEHICLE**
[54] **PROCEDE DE FABRICATION DE RALLONGE COULISSANTE POUR VEHICULE RECREATIF**
[72] DAME, DENNIS, US
[72] CHASE, JEFFREY, US
[73] COMPOSITE SOLUTIONS, INC., US
[86] (2831237)
[87] (2831237)
[22] 2013-10-25
[30] US (61/720,315) 2012-10-30

[11] **2,834,280**
[13] C

[51] **Int.Cl. A61K 31/4427 (2006.01) A61K 31/435 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTERING ANATABINE TO TREAT AUTISM SPECTRUM DISORDERS AND SEIZURE DISORDERS**
[54] **PROCEDE D'ADMINISTRATION D'ANATABINE POUR TRAITER DES TROUBLES DU SPECTRE DE L'AUTISME ET DES TROUBLES DE CRISE D'EPILEPSIE**
[72] WILLIAMS, JONNIE R., JR., US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2013-10-24
[86] 2012-04-27 (PCT/US2012/035425)
[87] (WO2012/149295)
[30] US (61/480,258) 2011-04-28
[30] US (61/480,271) 2011-04-28

[11] **2,835,627**
[13] C

[51] **Int.Cl. C07K 7/00 (2006.01) A61K 38/04 (2006.01) A61P 37/00 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CELL-REACTIVE, LONG-ACTING, OR TARGETED COMPSTATIN ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA COMPSTATINE CIBLES, A LONGUE DUREE D'ACTION, REACTIFS AUX CELLULES, ET LEURS UTILISATIONS**
[72] FRANCOIS, CEDRIC, US
[72] DESCHATELETS, PASCAL, US
[73] APELLIS PHARMACEUTICALS, INC., US
[85] 2013-11-08
[86] 2012-05-11 (PCT/US2012/037648)
[87] (WO2012/155107)
[30] US (61/484,836) 2011-05-11

[11] **2,843,352**
[13] C

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **INFUSION PUMP WITH INDEPENDENTLY CONTROLLABLE VALVES FOR OPTIONAL GRAVITY INFUSION AND LOW POWER OPERATION**
[54] **POMPE A PERFUSION COMPORTANT DES VALVES CONTROLABLES DE MANIERE INDEPENDANTE POUR LA PERFUSION PAR GRAVITE FACULTATIVE ET UN FONCTIONNEMENT A FAIBLE PUISSANCE**
[72] HUNGERFORD, ROGER L., US
[72] BUI, TUAN, US
[73] BAXTER HEALTHCARE S.A., CH
[73] BAXTER INTERNATIONAL INC., US
[85] 2014-01-28
[86] 2012-09-17 (PCT/IB2012/001835)
[87] (WO2013/017949)

[11] **2,844,711**
[13] C

[51] **Int.Cl. A62D 3/02 (2007.01)**
[25] EN
[54] **DEGRADATION OF HYDROCARBONS USING FILAMENTOUS FUNGUS**
[54] **DEGRADATION D'HYDROCARBURES A L'AIDE DE CHAMPIGNONS FILAMENTEUX**
[72] REPAS, TIMOTHY STEPHAN, CA
[72] KAMINSKYJ, SUSAN G. W., CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
[86] (2844711)
[87] (2844711)
[22] 2014-03-05

**Brevets canadiens délivrés
10 janvier 2023**

[11] **2,851,002**

[13] C

- [51] **Int.Cl. A42B 3/10 (2006.01)**
[25] EN
[54] **HELMET FOR PROTECTION AGAINST LINEAR AND ROTATIONAL IMPACTS**
[54] **CASQUE DE PROTECTION CONTRE LES CHOCS LINEAIRES ET ROTATIONNELS**
[72] CARTON, STEVEN CHRISTOPHER, CA
[73] CARTON, STEVEN CHRISTOPHER, CA
[86] (2851002)
[87] (2851002)
[22] 2014-05-02

[11] **2,852,942**

[13] C

- [51] **Int.Cl. A61K 38/48 (2006.01) A61K 35/74 (2015.01) A61P 19/04 (2006.01)**
[25] EN
[54] **METHOD OF TREATING OR REDUCING EFP**
[54] **PROCEDE DE TRAITEMENT OU DE REDUCTION DE L'EFP**
[72] HART, SUSAN G. EMEIGH, US
[73] AUXILIUM INTERNATIONAL HOLDINGS, INC., US
[85] 2014-04-17
[86] 2012-10-19 (PCT/US2012/061063)
[87] (WO2013/059619)
[30] US (61/549,863) 2011-10-21

[11] **2,858,497**

[13] C

- [51] **Int.Cl. G08C 17/02 (2006.01) H04B 7/005 (2006.01)**
[25] FR
[54] **CONTROL METHOD FOR ELECTRONIC EQUIPMENT, ASSOCIATED ELECTRONIC EQUIPMENT AND COMMUNICATIONS SYSTEM**
[54] **PROCEDE DE PILOTAGE D'UN EQUIPEMENT ELECTRONIQUE, EQUIPEMENT ELECTRONIQUE ET SYSTEME DE COMMUNICATION ASSOCIES**
[72] FAYT, ETIENNE, BE
[72] COMTE, RENAUD, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES, FR
[86] (2858497)
[87] (2858497)
[22] 2014-08-05
[30] FR (13 57 920) 2013-08-09

[11] **2,858,658**

[13] C

- [51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/24 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **PREFILLED SAFETY PEN NEEDLE**
[54] **AIGUILLE DE STYLO DE SECURITE PREREMPLIE**
[72] HERR, JOSHUA, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2858658)
[87] (2858658)
[22] 2014-08-08
[30] US (13/970,125) 2013-08-19

[11] **2,865,630**

[13] C

- [51] **Int.Cl. B60G 11/02 (2006.01)**
[25] EN
[54] **LEAF SPRING AND METHOD OF MANUFACTURE THEREOF HAVING SECTIONS WITH DIFFERENT LEVELS OF THROUGH HARDNESS**
[54] **RESSORT A LAMES ET METHODE DE FABRICATION DUDIT RESSORT COMPORTANT DES SECTIONS DE DIFFERENTS NIVEAUX DE DURETE TRANSVERSALE**
[72] WILSON, WILLIAM, US
[72] FARRELL, BRIAN, CA
[73] HENDRICKSON USA, L.L.C., US
[86] (2865630)
[87] (2865630)
[22] 2014-09-29
[30] US (61/885,375) 2013-10-01

[11] **2,871,195**

[13] C

- [51] **Int.Cl. C12Q 1/6809 (2018.01) A61K 31/337 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **ASSAYS, METHODS AND APPARATUS FOR ASSESSING RNA DISRUPTION**
[54] **DOSAGES, METHODES ET APPAREIL POUR L'EVALUATION DE LA DISRUPTION D'UN ARN**
[72] GUO, BAOQING, CA
[72] NARENDRULA, RASHMI, CA
[72] PARISSENTI, AMADEO MARK, CA
[72] PRITZKER, KENNETH, CA
[72] PRITZKER, LAURA, CA
[72] SANTI, STACEY, CA
[72] WANG, XIAOHUI, CA
[72] ZHU, MU, CA
[73] RNA DIAGNOSTICS INC., CA
[85] 2014-10-22
[86] 2013-04-24 (PCT/CA2013/000408)
[87] (WO2013/159200)
[30] US (61/637,676) 2012-04-24
[30] US (61/806,222) 2013-03-28

[11] **2,878,252**

[13] C

- [51] **Int.Cl. H03M 13/19 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **DATA PROCESSING APPARATUS AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] SHINOHARA, YUJI, JP
[72] YAMAMOTO, MAKIKO, JP
[73] SONY CORPORATION, JP
[85] 2014-12-31
[86] 2014-06-03 (PCT/JP2014/064672)
[87] (WO2014/199865)
[30] JP (2013-124187) 2013-06-12

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[11] **2,878,862**
[13] C

[51] **Int.Cl. C12Q 1/6897 (2018.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/867 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **METHODS OF ASSESSING THE SUITABILITY OF TRANSDUCED T CELLS FOR ADMINISTRATION**
[54] **PROCEDES D'EVALUATION DE L'APTITUDE DE LYMPHOCYTES T TRANSDUITS A ETRE ADMINISTRÉS**

[72] JUNE, CARL H., US
[72] LEVINE, BRUCE L., US
[72] KALOS, MICHAEL D., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US

[85] 2015-01-09
[86] 2013-07-12 (PCT/US2013/050287)
[87] (WO2014/011996)
[30] US (61/671,495) 2012-07-13

[11] **2,880,403**
[13] C

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[25] EN
[54] **RESILIENT COVER CLIP**
[54] **ATTACHE DE COUVERCLE ELASTIQUE**

[72] ALEXANDER, JON, US
[72] HOUGH, JUSTIN, US
[73] DOWCO, INC., US
[86] (2880403)
[87] (2880403)
[22] 2015-01-29
[30] US (61/933,184) 2014-01-29

[11] **2,880,765**
[13] C

[51] **Int.Cl. G01N 1/34 (2006.01) B01D 15/08 (2006.01)**

[25] EN
[54] **COMPOSITIONS AND METHODS FOR RAPID AND REVERSIBLE BIOMOLECULAR LABELING**
[54] **COMPOSITIONS ET PROCEDES DE MARQUAGE BIOMOLECULAIRE RAPIDE ET REVERSIBLE**

[72] CLARKE, SAMUEL JON, CA
[73] STEMCELL TECHNOLOGIES INC., CA

[85] 2015-02-03
[86] 2013-08-22 (PCT/CA2013/000733)
[87] (WO2014/029012)
[30] US (61/692,422) 2012-08-23
[30] US (61/781,651) 2013-03-14

[11] **2,881,001**
[13] C

[51] **Int.Cl. C07D 237/16 (2006.01) A61K 51/04 (2006.01) A61P 9/00 (2006.01) C07D 401/12 (2006.01) C07F 7/10 (2006.01)**

[25] EN
[54] **COMPOSITIONS, METHODS, AND SYSTEMS FOR THE SYNTHESIS AND USE OF IMAGING AGENTS**
[54] **COMPOSITIONS, PROCEDES ET SYSTEMES DE SYNTHÈSE, ET UTILISATION D'AGENTS D'IMAGERIE**

[72] CESATI, RICHARD R., US
[72] RADEKE, HEIKE S., US
[72] PANDEY, SURESH K., US
[72] PUROHIT, AJAY, US
[72] ROBINSON, SIMON P., US
[73] LANTHEUS MEDICAL IMAGING, INC., US

[85] 2015-02-03
[86] 2013-08-09 (PCT/US2013/054268)
[87] (WO2014/026079)
[30] US (61/682,185) 2012-08-10
[30] US (61/794,277) 2013-03-15

[11] **2,884,998**
[13] C

[51] **Int.Cl. F01D 25/16 (2006.01) F01D 21/14 (2006.01) F02C 7/06 (2006.01)**

[25] EN
[54] **FRANGIBLE MOUNTING ARRANGEMENT AND METHOD FOR PROVIDING SAME**
[54] **ENSEMBLE DE MONTAGE FRANGIBLE ET PROCEDE DE FABRICATION**

[72] KORSHIKOV, OLEG, CA
[72] WOJTYCZKA, CZESLAW, CA
[72] DENIS, DAVID, CA
[73] PRATT & WHITNEY CANADA CORP., CA

[86] (2884998)
[87] (2884998)
[22] 2015-03-16
[30] US (14/259,558) 2014-04-23

[11] **2,885,078**
[13] C

[51] **Int.Cl. G01P 15/18 (2013.01)**

[25] EN
[54] **LOGICAL TO PHYSICAL MAPPING OF WIRELESS NETWORK COMPONENTS**
[54] **MAPPAGE LOGIQUE-PHYSIQUE DE COMPOSANTS DE RESEAU SANS FIL**

[72] LYNCH, MICHAEL A., US
[72] RITTENHOUSE, GARRET EDWARD, US
[73] SIMMONDS PRECISION PRODUCTS, INC., US

[86] (2885078)
[87] (2885078)
[22] 2015-03-16
[30] US (14/260,092) 2014-04-23

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[11] **2,885,931**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) A23K 20/189 (2016.01) C11D 3/386 (2006.01) C11D 7/42 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/50 (2006.01) C12N 15/57 (2006.01)**

[25] EN

[54] **INTEIN-MODIFIED PROTEASES, THEIR PRODUCTION AND INDUSTRIAL APPLICATIONS**

[54] **PROTEASES MODIFIEES PAR DE DES INTEINES, LEUR PRODUCTION ET LEURS APPLICATIONS INDUSTRIELLES**

[72] RAAB, R. MICHAEL, US

[72] SHEN, BINZHANG, US

[72] LAZAR, GABOR, US

[72] DE LA VEGA, HUMBERTO, US

[73] AGRIVIDA, INC., US

[85] 2015-03-23

[86] 2013-10-03 (PCT/US2013/063304)

[87] (WO2014/055782)

[30] US (61/744,863) 2012-10-03

[30] US (61/783,424) 2013-03-14

[11] **2,886,483**
[13] C

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

[25] EN

[54] **DYNAMICALLY DETERMINING WORKSPACE BOUNDS DURING A COLLABORATION SESSION**

[54] **DETERMINATION DYNAMIQUE DES LIMITES DE L'ESPACE DE TRAVAIL PENDANT UNE SEANCE DE COLLABORATION**

[72] DERE, COLIN, CA

[72] MANARANG, ELMAR, CA

[72] ROUNDING, KATHRYN, CA

[72] ARNOLDIN, ERICA, CA

[73] SMART TECHNOLOGIES ULC, CA

[86] (2886483)

[87] (2886483)

[22] 2015-03-27

[30] US (61/972795) 2014-03-31

[11] **2,887,808**
[13] C

[51] **Int.Cl. G01M 17/00 (2006.01) B60K 28/00 (2006.01)**

[25] EN

[54] **VEHICLE SAFETY-INSPECTION APPARATUS**

[54] **APPAREIL D'INSPECTION DE SECURITE D'UN VEHICULE**

[72] TOUTANT, GRANT, CA

[72] SMITH, DUNCAN, CA

[72] MONEY, TRISTAN, CA

[73] 0900906 BC LTD., CA

[86] (2887808)

[87] (2887808)

[22] 2015-04-15

[11] **2,888,420**
[13] C

[51] **Int.Cl. A43B 5/16 (2006.01) A43B 7/14 (2022.01) A63C 1/38 (2006.01) A63C 1/42 (2006.01)**

[25] EN

[54] **SKATE AND METHOD OF MANUFACTURE**

[54] **PATIN ET PROCEDE DE FABRICATION**

[72] KOYESS, PHILIPPE, CA

[72] CHRETIEN, ALEXANDRE, CA

[72] CHARTRAND, DANIEL, CA

[72] CHAMPAGNE, ETIENNE, CA

[72] LAPIERRE, PHILIPPE, CA

[73] SPORT MASKA INC., CA

[86] (2888420)

[87] (2888420)

[22] 2015-04-15

[30] US (61/979,725) 2014-04-15

[11] **2,889,202**
[13] C

[51] **Int.Cl. C12N 1/19 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **PICHIA PASTORIS STRAINS FOR PRODUCING PREDOMINANTLY HOMOGENEOUS GLYCAN STRUCTURE**

[54] **SOUCHES DE PICHIA PASTORIS POUR PRODUIRE UNE STRUCTURE DE GLYCANES ESSENTIELLEMENT HOMOGENE**

[72] GEHLSSEN, KURT R., US

[72] CHAPPELL, THOMAS G., US

[73] RESEARCH CORPORATION TECHNOLOGIES, INC., US

[85] 2015-04-22

[86] 2013-10-23 (PCT/US2013/066335)

[87] (WO2014/066479)

[30] US (61/717,423) 2012-10-23

[11] **2,889,364**
[13] C

[51] **Int.Cl. E01C 13/08 (2006.01)**

[25] EN

[54] **ARTIFICIAL TURF FIELD SYSTEM**

[54] **SYSTEME DE GAZON ARTIFICIEL**

[72] SPITTLE, KEVIN S., US

[72] BETULIUS, JOE E., US

[73] PROFILE PRODUCTS L.L.C., US

[86] (2889364)

[87] (2889364)

[22] 2015-04-24

[30] US (61/984,196) 2014-04-24

[11] **2,890,164**
[13] C

[51] **Int.Cl. B05D 3/00 (2006.01)**

[25] EN

[54] **OPTICAL EFFECT LAYERS SHOWING A VIEWING ANGLE DEPENDENT OPTICAL EFFECT; PROCESSES AND DEVICES FOR THEIR PRODUCTION; ITEMS CARRYING AN OPTICAL EFFECT LAYER; AND USES THEREOF**

[54] **COUCHES A EFFET OPTIQUE PRESENTANT UN EFFET OPTIQUE DEPENDANT DE L'ANGLE DE VISION; PROCEDES ET DISPOSITIFS POUR LEUR PRODUCTION; ARTICLES COMPORTANT UNE COUCHE A EFFET OPTIQUE ET LEURS UTILISATIONS**

[72] SCHMID, MATHIEU, CH

[72] LOGINOV, EVGENY, CH

[72] DESPLAND, CLAUDE ALAIN, CH

[72] DEGOTT, PIERRE, CH

[73] SICPA HOLDING SA, CH

[85] 2015-05-01

[86] 2013-12-20 (PCT/EP2013/077698)

[87] (WO2014/108303)

[30] EP (13150693.3) 2013-01-09

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[11] **2,891,192**
[13] C

[51] **Int.Cl. C02F 1/469 (2006.01) C02F 1/461 (2006.01)**
[25] EN
[54] **METHOD FOR IMPARTING FILTERING CAPABILITY IN ELECTROLYTIC CELL FOR WASTEWATER TREATMENT**
[54] **PROCEDE CONFERANT UNE FONCTION DE FILTRATION A UNE CELLULE ELECTROLYTIQUE POUR LE TRAITEMENT DES EAUX USEES**
[72] LEGZDINS, COLLEEN, CA
[73] AXINE WATER TECHNOLOGIES INC., CA
[85] 2015-05-11
[86] 2013-11-25 (PCT/CA2013/050897)
[87] (WO2014/082170)
[30] US (61/732,366) 2012-12-02

[11] **2,893,427**
[13] C

[51] **Int.Cl. A61K 31/5415 (2006.01) A61K 31/198 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING GI TRACT DISORDERS**
[54] **METHODES DE TRAITEMENT D'AFFECTIONS DU TRACTUS DIGESTIF**
[72] DE COLLE, CYRIL, US
[72] PASRICHA, PANKAJ, US
[73] NEUROGASTRX, INC., US
[85] 2015-05-29
[86] 2013-12-19 (PCT/US2013/076733)
[87] (WO2014/105655)
[30] US (61/745,734) 2012-12-24

[11] **2,895,840**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS D'ANTIGENE CHIMERIQUES**
[72] ABBOT, STEWART, US
[72] LIANG, BITAO, US
[72] LI, TIANJIAN, US
[73] CELGENE CORPORATION, US
[85] 2015-06-18
[86] 2013-12-19 (PCT/US2013/076486)
[87] (WO2014/100385)
[30] US (61/740,113) 2012-12-20
[30] US (61/779,925) 2013-03-13

[11] **2,896,560**
[13] C

[51] **Int.Cl. E04G 23/08 (2006.01) B02C 1/06 (2006.01)**
[25] EN
[54] **OFF-CENTERED CONCRETE PULVERIZER**
[54] **PULVERISATEUR DE BETON DECALE**
[72] BEAUDOIN, YVON, CA
[72] BEAUDOIN, REMI, CA
[72] BELANGER, JEFFREY, CA
[73] GROUPE R.Y. BEAUDOIN INC., CA
[86] (2896560)
[87] (2896560)
[22] 2015-07-07

[11] **2,897,954**
[13] C

[51] **Int.Cl. B25B 23/04 (2006.01) B25B 23/06 (2006.01) B25B 23/08 (2006.01) F16B 27/00 (2006.01)**
[25] EN
[54] **CONTINUOUS SCREW TIGHTENING MACHINE WITH WASHER STACKING SUPPLY MECHANISM**
[54] **MACHINE DE SERRAGE DE VIS EN CONTINU DOTE D'UN MECANISME D'APPROVISIONNEMENT D'EMPILEMENT DE RONDELLES**
[72] ARAI, KUNIHRO, JP
[72] WATANABE, YOICHI, JP
[73] MURO CORPORATION, JP
[86] (2897954)
[87] (2897954)
[22] 2015-07-22
[30] JP (2014-155018) 2014-07-30

[11] **2,897,991**
[13] C

[51] **Int.Cl. A61B 5/361 (2021.01) A61B 5/287 (2021.01) A61B 18/14 (2006.01)**
[25] EN
[54] **SYSTEMS, CATHETERS, AND RELATED METHODS FOR MAPPING, MINIMIZING, AND TREATING CARDIAC FIBRILLATION**
[54] **SYSTEMES, CATHETERS ET METHODES CONNEXES PERMETTANT DE REPRESENTER SUR UNE CARTE, REDUIRE AU MINIMUM ET TRAITER LA FIBRILLATION CARDIAQUE**
[72] SPECTOR, PETER S., US
[72] BATES, JASON H.T., US
[73] UNIVERSITY OF VERMONT, US
[85] 2015-07-10
[86] 2014-01-16 (PCT/US2014/011866)
[87] (WO2014/113577)
[30] US (61/753,387) 2013-01-16
[30] US (13/844,710) 2013-03-15
[30] US (13/844,623) 2013-03-15
[30] US (13/844,753) 2013-03-15
[30] US (13/844,739) 2013-03-15
[30] US (13/844,574) 2013-03-15
[30] US (13/844,600) 2013-03-15

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[11] **2,899,350**
[13] C

[51] **Int.Cl. C07K 16/26 (2006.01) G01N 33/541 (2006.01) G01N 33/543 (2006.01)**

[25] EN

[54] **METHOD AND KIT FOR DETECTING 1,25-DIHYDROXYVITAMIN D AND RELATED ANTIBODIES**

[54] **PROCEDE ET TROUSSE POUR LA DETECTION DE 1,25-DIHYDROXYVITAMINE D ET ANTICORPS CORRESPONDANTS**

[72] SOLDI, JOSHUA, US

[72] OLSON, GREGORY, US

[72] LUTTERMAN, MICHAEL, US

[72] WALL, JOHN, US

[72] NEW, MICHAEL, US

[72] DELUCA, HECTOR FLOYD, US

[72] BONELLI, FABRIZIO, IT

[73] DIASORIN ITALIA S.P.A., IT

[85] 2015-07-27

[86] 2014-01-27 (PCT/EP2014/051482)

[87] (WO2014/114780)

[30] EP (13152851.5) 2013-01-28

[11] **2,902,594**
[13] C

[51] **Int.Cl. C07D 491/048 (2006.01) A61K 31/343 (2006.01) A61K 31/381 (2006.01) A61K 31/4355 (2006.01) A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/444 (2006.01) A61P 37/02 (2006.01) C07D 209/40 (2006.01) C07D 307/82 (2006.01) C07D 333/66 (2006.01) C07D 405/04 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **INHIBITORS OF THE KYNURENINE PATHWAY**

[54] **INHIBITEURS DE LA VOIE DE LA KYNURENINE**

[72] BANERJEE, MONALI, IN

[72] MIDDYA, SANDIP, IN

[72] SHRIVASTAVA, RITESH, IN

[72] RAINA, SUSHIL, IN

[72] SURYA, ARJUN, IN

[72] YADAV, DHARMENDRA B., IN

[72] YADAV, VEEJENDRA K., IN

[72] KAPOOR, KAMAL KISHORE, IN

[72] VENKATESAN, ARANAPAKAM, US

[72] SMITH, ROGER A., US

[72] THOMPSON, SCOTT K., US

[73] CURADEV PHARMA PRIVATE LTD., IN

[85] 2015-08-25

[86] 2014-03-12 (PCT/US2014/024920)

[87] (WO2014/186035)

[30] US (61/782,841) 2013-03-14

[11] **2,902,634**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) G16H 20/40 (2018.01) G16H 40/63 (2018.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR APPLYING REDUCED PRESSURE THERAPY**

[54] **SYSTEMES ET PROCEDES POUR APPLIQUER UNE THERAPIE PAR PRESSION REDUITE**

[72] BEGIN, MILES, US

[72] BJELOVUK, BRIAN P., US

[72] BLISS, ETHAN R., US

[72] CIMINELLO, GIACOMO F., US

[72] DEUTSCH, KEALOHA, US

[72] GREGORY, WILLIAM W., US

[72] GUNNERSON, KORY A., US

[72] JAECKLEIN, WILLIAM JOSEPH, US

[72] LEIGH, KATHRYN ANN, US

[72] LI, KE, US

[72] MCLEMORE, CHELSEA F., US

[72] MILLER, BENJAMIN S., US

[72] MUSER, ANDREW P., US

[72] RAINES, JERAD C., US

[72] RATLIFF, BILLY J., US

[72] ROLLER, MICHAEL, T., US

[72] ROTH, ROBERT H., US

[72] SOPER, VERA N., US

[72] VANDERBEEK, KARL W., US

[72] WOODRICK, LAUREN W., US

[72] ZENDER, MICAH C., US

[73] SMITH & NEPHEW INC., US

[85] 2015-08-25

[86] 2014-03-13 (PCT/US2014/026692)

[87] (WO2014/151930)

[30] US (61/785,384) 2013-03-14

[30] US (61/860,809) 2013-07-31

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[11] **2,904,156**
[13] C

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[25] EN

[54] **VECTORS COMPRISING STUFFER/FILLER POLYNUCLEOTIDE SEQUENCES AND METHODS OF USE**

[54] **VECTEURS COMPRENANT DES SEQUENCES POLYNUCLEOTIDIQUES DE GARNISSAGE/DE REMPLISSAGE ET LEURS PROCEDES D'UTILISATION**

[72] WRIGHT, J. FRASER, US

[72] ZELENIAIA, OLGA, US

[73] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US

[85] 2015-09-03

[86] 2014-03-14 (PCT/US2014/028911)

[87] (WO2014/144486)

[30] US (61/799,342) 2013-03-15

[11] **2,904,317**
[13] C

[51] **Int.Cl. C12Q 1/70 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR DETECTING HUMAN PAPILLOMAVIRUS NUCLEIC ACID**

[54] **COMPOSITIONS ET PROCEDES POUR DETECTER L'ACIDE NUCLEIQUE DE PAPILLOMAVIRUS HUMAIN**

[72] SCHRODER, ASTRID R.W., US

[73] GEN-PROBE INCORPORATED, US

[85] 2015-06-05

[86] 2013-10-11 (PCT/US2013/064519)

[87] (WO2014/059260)

[30] US (61/712,332) 2012-10-11

[11] **2,904,836**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01) A61C 13/38 (2006.01)**

[25] EN

[54] **INSTRUMENT FOR HANDLING A DENTAL PART**

[54] **INSTRUMENT SERVANT A MANIPULER UNE PIECE DENTAIRE**

[72] FAH, MATHIAS, CH

[72] STRAZZA, MATHIAS, CH

[72] WALTHER, MATTHIAS, CH

[73] CENDRES+METAUX SA, CH

[86] (2904836)

[87] (2904836)

[22] 2015-09-18

[30] CH (01412/14) 2014-09-19

[30] CH (01413/14) 2014-09-19

[11] **2,904,931**
[13] C

[51] **Int.Cl. A61F 2/72 (2006.01) A61F 2/54 (2006.01)**

[25] EN

[54] **BRAIN-CONTROLLED BODY MOVEMENT ASSISTANCE DEVICES AND METHODS**

[54] **DISPOSITIFS ET PROCEDES D'AIDE AUX MOUVEMENTS CORPORELS COMMANDES PAR LE CERVEAU**

[72] LEUTHARDT, ERIC C., US

[72] LOVE, LONNIE J., US

[72] COKER, ROB, US

[72] MORAN, DANIEL W., US

[73] NEUROLUTIONS, INC., US

[85] 2015-09-09

[86] 2014-03-10 (PCT/US2014/022548)

[87] (WO2014/150199)

[30] US (13/842,749) 2013-03-15

[11] **2,906,072**
[13] C

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/70 (2006.01) A61K 31/08 (2006.01) A61K 47/12 (2006.01) A61K 47/20 (2006.01) A61K 47/22 (2006.01) A61P 23/02 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **ANALGESIC COMPOSITIONS COMPRISING HALOGENATED VOLATILE COMPOUNDS**

[54] **COMPOSITIONS ANALGESIQUES COMPRENANT DES COMPOSES VOLATILS HALOGENES**

[72] SPAKEVICIUS, DANGUOLE, US

[72] GILES, HEATHER, US

[72] FARMER, TERRY, US

[73] VAPOGENIX, INC., US

[85] 2015-09-11

[86] 2014-03-14 (PCT/US2014/028169)

[87] (WO2014/143964)

[30] US (61/792,383) 2013-03-15

[30] US (61/814,485) 2013-04-22

[11] **2,906,674**
[13] C

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0781 (2010.01) C12N 15/00 (2006.01) C12N 15/13 (2006.01) C12N 15/867 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **METHODS FOR IN VITRO MEMORY B CELL DIFFERENTIATION AND TRANSDUCTION WITH VSV-G PSEUDOTYPED VIRAL VECTORS**

[54] **PROCEDE DE DIFFERENTIATION ET DE TRANSDUCTION IN VITRO DE LYMPHOCYTES B A MEMOIRE AVEC DES VECTEURS VIRAUX PSEUDOTYPES VSV-G**

[72] XU, MEI, US

[72] SCHOLZ, MATTHEW REIN, US

[72] HERBIG, ERIC J., US

[73] IMMUSOFT CORPORATION, US

[85] 2015-09-14

[86] 2014-03-14 (PCT/US2014/027910)

[87] (WO2014/152832)

[30] US (61/785,490) 2013-03-14

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[11] **2,907,019**
[13] C

[51] **Int.Cl. G21C 7/12 (2006.01)**
[25] EN
[54] **CRDM WITH SEPARATE SCRAM LATCH ENGAGEMENT AND LOCKING**
[54] **CRDM COMPRENANT PRISE ET VERROUILLAGE DE VERROU D'ARRET D'URGENCE SEPRE**
[72] DODD, CHRISTOPHER D., US
[72] DESANTIS, PAUL K., US
[72] STAMBAUGH, KEVIN J., US
[72] MACKOVJAK, ALLAN R., US
[72] MCLAUGHLIN, JOHN P., US
[72] GOODYEAR, BRETT T., US
[72] EDWARDS, MICHAEL J., US
[72] ALES, MATTHEW W., US
[73] BWXT NUCLEAR OPERATIONS GROUP, INC., US
[73] BWXT MPOWER, INC., US
[85] 2015-09-15
[86] 2014-02-20 (PCT/US2014/017482)
[87] (WO2014/149343)
[30] US (61/792,235) 2013-03-15
[30] US (14/174,638) 2014-02-06

[11] **2,907,704**
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4184 (2006.01) A61K 31/4439 (2006.01) A61K 31/4745 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR REVERSING B-RAF INHIBITOR RESISTANCE COMPRISING A SECOND INHIBITOR BASED ON GENETIC ALTERATIONS**
[54] **POLYTHERAPIE POUR L'INVERSION DE LA RESISTANCE A L'INHIBITEUR DE B-RAF COMPRENANT UN SECOND INHIBITEUR BASE SUR DES ALTERATIONS GENETIQUES**
[72] CAPONIGRO, GIORDANO, US
[72] STUART, DARRIN, US
[72] DE PARSEVAL, LAURE, CH
[73] ARRAY BIOPHARMA INC., US
[85] 2015-09-18
[86] 2014-03-19 (PCT/IB2014/059975)
[87] (WO2014/147573)
[30] US (61/804,056) 2013-03-21

[11] **2,907,771**
[13] C

[51] **Int.Cl. C12P 21/02 (2006.01) A61K 38/16 (2006.01) A61P 37/00 (2006.01) C07K 14/715 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **PERFUSION METHOD FOR MANUFACTURING ETANERCEPT**
[54] **PROCEDE DE PERFUSION POUR FABRIQUER UN ETANERCEPT**
[72] PUCHACZ, ELA, US
[72] GROVE, JAMES RUSSEL, US
[73] COHERUS BIOSCIENCES, INC., US
[85] 2015-09-21
[86] 2014-03-26 (PCT/US2014/031883)
[87] (WO2014/160790)
[30] US (61/805,215) 2013-03-26
[30] US (61/933,665) 2014-01-30

[11] **2,908,238**
[13] C

[51] **Int.Cl. C07K 14/485 (2006.01) A61K 38/42 (2006.01) A61P 7/04 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07K 1/113 (2006.01) C07K 14/765 (2006.01) C07K 17/08 (2006.01)**
[25] EN
[54] **SUCCINIMIDE-ACTIVATED NITROXYL COMPOUNDS AND METHODS FOR THE USE THEREOF FOR NITROXYLATION OF PROTEINS**
[54] **COMPOSES DE NITROXYLE ACTIVE PAR SUCCINIMIDE ET PROCEDES POUR L'UTILISATION DE CEUX-CI POUR LA NITROXYLATION DES PROTEINES**
[72] VANDEGRIFF, KIM D., US
[72] MALAVALLI, ASHOK, US
[72] MKRTCHYAN, GNEL, US
[73] SCHINDLER, WILLIAM, US
[85] 2015-09-25
[86] 2013-03-15 (PCT/US2013/032704)
[87] (WO2013/151776)
[30] US (61/619,768) 2012-04-03
[30] US (61/619,783) 2012-04-03

[11] **2,909,257**
[13] C

[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/951 (2019.01)**
[25] EN
[54] **COMBINATORIAL BUSINESS INTELLIGENCE**
[54] **RENSEIGNEMENTS D'AFFAIRES COMBINATOIRES**
[72] RICKENBACH, DAVID VON, CH
[72] BRUSADELLI, MARK, CH
[72] HARPER, DAVID, US
[72] KELLY, JOHN, US
[72] KUKURA, MARC, CH
[72] OLOF-ORS, MANS, CH
[73] FINANCIAL & RISK ORGANISATION LIMITED, GB
[86] (2909257)
[87] (2909257)
[22] 2015-10-22
[30] US (62/067,214) 2014-10-22

[11] **2,909,574**
[13] C

[51] **Int.Cl. E21B 23/00 (2006.01) E21B 23/02 (2006.01) E21B 23/08 (2006.01) E21B 43/11 (2006.01) E21B 47/00 (2012.01) E21B 47/12 (2012.01)**
[25] EN
[54] **AUTONOMOUS UNTETHERED WELL OBJECT HAVING AN AXIAL THROUGH-HOLE**
[54] **OBJET DE Puits AUTONOME SANS ATTACHE COMPORANT UN TROU AXIAL TRAVERSANT**
[72] WHITSITT, JOHN, US
[72] RYTLEWSKI, GARY, US
[72] WOLF, JOHN, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2909574)
[87] (2909574)
[22] 2015-10-21
[30] US (62/066,419) 2014-10-21
[30] US (14/918,286) 2015-10-20

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[11] **2,909,892**
[13] C

[51] **Int.Cl. G08B 13/196 (2006.01) H04N 21/274 (2011.01) H04N 21/80 (2011.01) G08B 13/18 (2006.01) G08B 21/12 (2006.01) G08B 25/00 (2006.01)**

[25] EN

[54] **SECURITY AND/OR MONITORING DEVICES AND SYSTEMS**

[54] **DISPOSITIFS ET SYSTEMES DE SECURITE ET/OU DE SURVEILLANCE**

[72] TROUTMAN, JONATHAN D., US

[72] KRAUSE, JAMES C., US

[72] SAGER, ADAM D., US

[72] RILL, CHRISTOPHER I., US

[72] LAKSHMINARAYANAN, KARTHIK, US

[72] SCOFFIER, MARC P., US

[72] HOOVER, TIMOTHY ROBERT, US

[73] CANARY CONNECT, INC., US

[85] 2015-10-16

[86] 2014-04-23 (PCT/US2014/035208)

[87] (WO2014/176379)

[30] US (61/815,223) 2013-04-23

[11] **2,910,605**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/00 (2006.01)**

[25] EN

[54] **INVERTED LEAFLET PROSTHETIC VALVE**

[54] **VALVE PROTHETIQUE A FEUILLET INVERSE**

[72] VALDEZ, MICHAEL G., US

[72] NGUYEN, TRAM NGOC, US

[73] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2015-10-22

[86] 2014-12-16 (PCT/US2014/070625)

[87] (WO2015/095206)

[30] US (61/917,032) 2013-12-17

[30] US (14/571,029) 2014-12-15

[11] **2,910,895**
[13] C

[51] **Int.Cl. G07C 3/08 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MONITORING BUILDING ENVIRONMENTAL DATA**

[54] **DISPOSITIF ET METHODES DE SURVEILLANCE DES DONNEES ENVIRONNEMENTALES D'UN IMMEUBLE**

[72] MOORE, GLENN A., US

[72] POPLAWSKI, DANIEL S., US

[73] BRAEBURN SYSTEMS LLC, US

[86] (2910895)

[87] (2910895)

[22] 2015-10-30

[30] US (62/072,819) 2014-10-30

[11] **2,911,247**
[13] C

[51] **Int.Cl. E21B 49/00 (2006.01) E21B 25/00 (2006.01)**

[25] EN

[54] **DIGITAL CORE SENSITIVITY ANALYSIS**

[54] **ANALYSE NUMERIQUE DE LA SENSIBILITE DE CAROTTES**

[72] ANDERSEN, MARK, US

[72] KLEMIN, DENIS, US

[72] NADEEV, ALEXANDER NIKOLAEVICH, US

[72] GURPINAR, OMER M., US

[72] RATULOWSKI, JOHN, CA

[73] SCHLUMBERGER CANADA LIMITED, CA

[85] 2015-11-04

[86] 2014-07-23 (PCT/US2014/047843)

[87] (WO2015/023409)

[30] US (61/865,521) 2013-08-13

[30] US (61/912,464) 2013-12-05

[11] **2,911,653**
[13] C

[51] **Int.Cl. A47C 7/40 (2006.01)**

[25] EN

[54] **DYNAMIC LUMBAR SUPPORT FOR A CHAIR**

[54] **SUPPORT LOMBAIRE DYNAMIQUE DESTINE A UNE CHAISE**

[72] GROVE, JAMES E., US

[73] GROVE, JAMES E., US

[86] (2911653)

[87] (2911653)

[22] 2015-11-06

[11] **2,911,815**
[13] C

[51] **Int.Cl. B65D 81/05 (2006.01)**

[25] EN

[54] **CONTAINER HAVING MULTIPLE LEVELS OF SLOTS TO FACILITATE MOVEMENT OF DUNNAGE**

[54] **CONTENANT COMPORTANT PLUSIEURS NIVEAUX DE FENTES SERVANT A FACILITER LE MOUVEMENT DE FARDAGE**

[72] BRADFORD, JUDSON A., US

[72] BUBLITZ, TIMOTHY A., US

[72] BRUINSMA, ERIC S., US

[73] BRADFORD COMPANY, US

[86] (2911815)

[87] (2911815)

[22] 2015-11-10

[30] US (14/539,115) 2014-11-12

[11] **2,911,830**
[13] C

[51] **Int.Cl. G07G 5/00 (2006.01) G06Q 20/00 (2012.01)**

[25] EN

[54] **ELECTRONIC RECEIPT ISSUING SYSTEM**

[54] **MECANISME D'EMISSION DE RECU ELECTRONIQUE**

[72] MORI, YUJI, JP

[72] IDENO, KATSUYA, JP

[72] SALISBURY, DAVID, JP

[73] STAR MICRONICS CO., LTD., JP

[86] (2911830)

[87] (2911830)

[22] 2015-11-12

[30] US (14/591281) 2015-01-07

[11] **2,912,044**
[13] C

[51] **Int.Cl. B07B 1/46 (2006.01)**

[25] EN

[54] **SCREEN PANEL FIXING SYSTEM AND METHODS**

[54] **MECANISME ET METHODES DE FIXATIONS DE PANNEAU FILTRANT**

[72] WOODGATE, MARC RAYMOND, AU

[72] WOODGATE, RAYMOND MAXWELL, AU

[73] LETTELA PTY LIMITED, AU

[86] (2912044)

[87] (2912044)

[22] 2015-11-16

[30] AU (2014904625) 2014-11-18

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[11] **2,913,068**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/32 (2006.01) C07K 14/415 (2006.01)**

[25] EN

[54] **PROCESS OF PROVIDING PLANTS WITH ABIOTIC STRESS RESISTANCE**

[54] **PROCEDE DE PRODUCTION DE PLANTES A RESISTANCE AU STRESS ABIOTIQUE**

[72] THUMMLER, ANKA, DE

[72] BARTELS, DOREEN, DE

[72] GIRITCH, ANATOLI, DE

[72] GLEBA, YURI, DE

[73] NOMAD BIOSCIENCE GMBH, DE

[85] 2015-11-20

[86] 2014-05-23 (PCT/EP2014/001403)

[87] (WO2014/187571)

[30] EP (13002691.7) 2013-05-23

[11] **2,913,765**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) C09K 8/592 (2006.01) E21B 43/241 (2006.01)**

[25] EN

[54] **NON-CONDENSABLE GAS COINJECTION WITH FISHBONE LATERAL WELLS**

[54] **COINJECTION DE GAZ NON CONDENSABLE ET DE Puits LATERAUX EN ARRETE**

[72] CHEN, BO, US

[72] CHEN, QING, US

[72] WHEELER, THOMAS J., US

[73] CONOCOPHILLIPS COMPANY, US

[86] (2913765)

[87] (2913765)

[22] 2015-12-01

[30] US (62/086035) 2014-12-01

[11] **2,915,532**
[13] C

[51] **Int.Cl. C07C 29/153 (2006.01) B01J 27/051 (2006.01) C07C 27/06 (2006.01) C10L 1/02 (2006.01)**

[25] EN

[54] **PRODUCTION OF MIXED ALCOHOLS FROM SYNTHESIS GAS**

[54] **PRODUCTION D'ALCOOLS MIXTES A PARTIR DE GAZ DE SYNTHESE**

[72] TIJM, PETER J., US

[72] STEVENS, REX R., US

[73] STANDARD ALCOHOL COMPANY OF AMERICA, INC., US

[85] 2015-12-15

[86] 2014-06-18 (PCT/US2014/042904)

[87] (WO2014/205059)

[30] US (61/837,413) 2013-06-20

[30] US (14/307,173) 2014-06-17

[11] **2,916,452**
[13] C

[51] **Int.Cl. C08F 220/18 (2006.01) A61F 2/16 (2006.01) A61L 27/16 (2006.01) C08F 2/48 (2006.01)**

[25] EN

[54] **SHAPE MEMORY POLYMER INTRAOCULAR LENSES**

[54] **LENTILLES INTRAOCULAIRES EN POLYMERE A MEMOIRE DE FORME**

[72] KAHOOK, MALIK Y., US

[72] MANDAVA, NARESH, US

[72] SHANDAS, ROBIN, US

[72] RECH, BRYAN, US

[72] LOWERY, MICHAEL D., US

[72] URBANIAK, DANIEL, US

[73] THE REGENTS OF THE UNIVERSITY OF COLORADO, US

[85] 2015-12-18

[86] 2014-09-12 (PCT/US2014/055459)

[87] (WO2015/038940)

[30] US (14/026,832) 2013-09-13

[11] **2,917,541**
[13] C

[51] **Int.Cl. A23L 19/00 (2016.01)**

[25] EN

[54] **FROZEN READY-MADE POLENTA AND PROCESS FOR THE PREPARATION THEREOF**

[54] **POLENTA CONGEELEE PRETE A MANGER ET PROCEDE DE PREPARATION DE LADITE POLENTA**

[72] VEZZANI, MAURIZIO, IT

[73] ZINI PRODOTTI ALIMENTARI S.P.A., IT

[86] (2917541)

[87] (2917541)

[22] 2016-01-13

[30] IT (MI2015A000025) 2015-01-14

[11] **2,918,466**
[13] C

[51] **Int.Cl. B65G 23/00 (2006.01) B65G 43/02 (2006.01)**

[25] EN

[54] **CONVEYOR INSPECTION WITH UNMANNED VEHICLE CARRYING SENSOR STRUCTURE**

[54] **INSPECTION DE TRANSPORTEUR AVEC VEHICULE SANS CONDUCTEUR PORTANT UNE STRUCTURE DE CAPTEUR**

[72] FUHLBRIGGE, THOMAS, US

[72] ROSSANO, GREGORY, US

[72] BOTELHO, EDUARDO, BR

[72] STAAB, HARALD JOSEF, US

[72] ZHANG, GEORGE, US

[72] CHOI, SANG, US

[72] MARTINEZ, CARLOS, US

[73] ABB SCHWEIZ AG, CH

[85] 2016-01-15

[86] 2014-07-07 (PCT/US2014/045513)

[87] (WO2015/009467)

[30] US (61/846,190) 2013-07-15

[30] US (61/846,219) 2013-07-15

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[11] **2,921,774**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **IMMUNORECEPTOR MODULATION FOR TREATING CANCER AND VIRAL INFECTIONS**

[54] **MODULATION D'IMMUNORECEPTEUR DESTINEE AU TRAITEMENT DE CANCER ET D'INFECTIONS VIRALES**

[72] SMYTH, MARK, AU

[73] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU

[85] 2016-02-19

[86] 2014-08-22 (PCT/AU2014/000830)

[87] (WO2015/024060)

[30] AU (2013903189) 2013-08-22

[30] AU (PCT/AU2013/001132) 2013-10-03

[30] AU (2014900741) 2014-03-05

[30] AU (2014901002) 2014-03-21

[11] **2,923,472**
[13] C

[51] **Int.Cl. E21B 19/24 (2006.01)**

[25] EN

[54] **BLADE STABILISER TOOL FOR DRILL STRING**

[54] **OUTIL STABILISATEUR DE LAME DESTINE A UN TRAIN DE TIGES DE FORAGE**

[72] NEWMAN, MICHAEL THOMAS, NL

[72] KOK, RICARDO, NL

[73] EUROPEAN DRILLING PROJECTS B.V., NL

[86] (2923472)

[87] (2923472)

[22] 2016-03-10

[30] EP (15159006.4) 2015-03-13

[11] **2,924,193**
[13] C

[51] **Int.Cl. A61B 90/30 (2016.01) A61B 17/00 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **THERMALLY CONTROLLED ILLUMINATION DEVICES**

[54] **DISPOSITIFS D'ECLAIRAGE A COMMANDE THERMIQUE**

[72] VAYSER, ALEX, US

[72] TUDURY, GASTON, US

[72] ERISMANN, FERNANDO, US

[73] INVUITY, INC., US

[85] 2016-03-11

[86] 2014-09-16 (PCT/US2014/055910)

[87] (WO2015/042057)

[30] US (61/878,395) 2013-09-16

[11] **2,924,205**
[13] C

[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/15 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FORMING AND MAINTAINING A HIGH PERFORMANCE FRC**

[54] **SYSTEMES ET PROCEDES POUR FORMER ET MAINTENIR UNE FRC A HAUTE PERFORMANCE**

[72] TUSZEWSKI, MICHEL, US

[72] BINDERBAUER, MICHL, US

[72] BARNES, DAN, US

[72] GARATE, EUSEBIO, US

[72] GUO, HOUYANG, US

[72] PUTVINSKI, SERGEI, US

[72] SMIRNOV, ARTEM, US

[73] TAE TECHNOLOGIES, INC., US

[85] 2016-03-11

[86] 2014-09-24 (PCT/US2014/057157)

[87] (WO2015/048092)

[30] US (61/881,874) 2013-09-24

[30] US (62/001,583) 2014-05-21

[11] **2,924,879**
[13] C

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

[25] EN

[54] **METHODS AND COMPOSITIONS FOR GENERATION OF BINDING AGENTS AGAINST CELL SURFACE ANTIGENS**

[54] **PROCEDES ET COMPOSITIONS POUR LA GENERATION D'AGENTS DE LIAISON CONTRE DES ANTIGENES DE SURFACE CELLULAIRE**

[72] CHEN, YAN, US

[72] SHAMAH, STEVE, US

[73] X-BODY, INC., US

[85] 2016-03-18

[86] 2014-09-22 (PCT/US2014/056782)

[87] (WO2015/042528)

[30] US (61/881,203) 2013-09-23

[11] **2,925,750**
[13] C

[51] **Int.Cl. G06Q 40/04 (2012.01)**

[25] EN

[54] **AN ORDER BOOK MANAGEMENT DEVICE IN A HARDWARE PLATFORM**

[54] **DISPOSITIF DE GESTION DE CARNETS DE COMMANDE SUR UNE PATEFORME MATERIELLE**

[72] KODDE, EDWARD, FR

[73] ENYX SA, FR

[85] 2016-03-30

[86] 2014-10-01 (PCT/EP2014/071073)

[87] (WO2015/049306)

[30] EP (13306358.6) 2013-10-01

[11] **2,925,835**
[13] C

[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/02 (2006.01) G01K 11/06 (2006.01) G01K 11/16 (2021.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR SOLAR WATER PURIFICATION**

[54] **PROCEDE ET APPAREIL DE PURIFICATION DE L'EAU A L'ENERGIE SOLAIRE**

[72] BROUWER, RACHEL, CA

[73] BROUWER, RACHEL, CA

[86] (2925835)

[87] (2925835)

[22] 2016-04-05

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[11] **2,925,921**
[13] C

[51] **Int.Cl. C22B 7/00 (2006.01) B09B 3/80 (2022.01) C01B 33/12 (2006.01) C01F 7/20 (2006.01) C01G 23/04 (2006.01) C01G 49/02 (2006.01) C22B 1/02 (2006.01) C22B 3/10 (2006.01) C22B 3/22 (2006.01) C22B 21/00 (2006.01) C22B 34/12 (2006.01)**

[25] EN

[54] **DERIVING HIGH VALUE PRODUCTS FROM WASTE RED MUD**

[54] **OBTENTION DE PRODUITS DE GRANDE VALEUR A PARTIR D'UNE BOUE ROUGE RESIDUAIRE**

[72] MORRIS, RICHARD, GB

[72] TODD, MATTHEW CHARLES LEIGHTON, AU

[72] LENYSZYN, DAVID ADAM, AU

[72] O'CONNOR, TERENCE JOHN, AU

[73] PELOTON RESOURCES PTY LTD, AU

[85] 2016-03-31

[86] 2014-10-21 (PCT/AU2014/000992)

[87] (WO2015/058239)

[30] AU (2013904057) 2013-10-21

[11] **2,925,944**
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4725 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**

[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**

[72] CASTRO, ALFREDO C., US

[72] EVANS, CATHERINE A., US

[72] JANARDANANNAIR, SOMARAJANNAIR, US

[72] LESCARBEAU, ANDRE, US

[72] LIU, TAO, US

[72] TREMBLAY, MARTIN R., US

[73] INFINITY PHARMACEUTICALS, INC., US

[85] 2016-03-30

[86] 2014-10-03 (PCT/US2014/059026)

[87] (WO2015/051244)

[30] US (61/887,259) 2013-10-04

[30] US (61/888,958) 2013-10-09

[30] US (61/938,026) 2014-02-10

[11] **2,926,991**
[13] C

[51] **Int.Cl. H01L 23/538 (2006.01) H01L 21/98 (2006.01) H01L 23/18 (2006.01)**

[25] EN

[54] **INTEGRATED CIRCUIT STACK INCLUDING A PATTERNED ARRAY OF ELECTRICALLY CONDUCTIVE PILLARS**

[54] **EMPILEMENT DE CIRCUITS INTEGRES COMPORTANT UN RESEAU A MOTIF DE PILIERS CONDUCTEURS ELECTRIQUES**

[72] VOGT, ERIC E., US

[72] DOUGAL, GREGOR D., US

[72] TUCKER, JAMES L., US

[73] HONEYWELL INTERNATIONAL INC., US

[86] (2926991)

[87] (2926991)

[22] 2016-04-12

[30] US (14/692,154) 2015-04-21

[11] **2,927,403**
[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) C03C 15/00 (2006.01) C08K 3/36 (2006.01) C09C 1/30 (2006.01) C09K 3/14 (2006.01)**

[25] EN

[54] **CORE SHELL SILICA PARTICLES AND USE FOR MALODOR REDUCTION**

[54] **PARTICULES COEUR-ECORCE DE SILICE ET LEUR UTILISATION A DES FINS DE LUTTE CONTRE LES MAUVAISES ODEURS**

[72] PAN, GUI SHENG, US

[72] CHOPRA, SUMAN KUMAR, US

[73] COLGATE-PALMOLIVE COMPANY, US

[85] 2016-04-13

[86] 2014-12-18 (PCT/US2014/071304)

[87] (WO2015/095608)

[30] US (61/918,938) 2013-12-20

[30] US (61/918,925) 2013-12-20

[11] **2,927,806**
[13] C

[51] **Int.Cl. C07D 498/18 (2006.01) A61K 47/54 (2017.01) A61K 47/65 (2017.01) C07D 209/14 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07F 9/572 (2006.01) C07K 1/107 (2006.01) C07K 1/13 (2006.01) C07K 5/00 (2006.01) C07K 5/027 (2006.01) C07K 14/00 (2006.01) C07K 16/00 (2006.01)**

[25] EN

[54] **HYDRAZINYL-PYRROLO COMPOUNDS AND METHODS FOR PRODUCING A CONJUGATE**

[54] **COMPOSES HYDRAZINYL-PYRROLO ET PROCEDES DE PRODUCTION D'UN CONJUGUE**

[72] RABUKA, DAVID, US

[72] ALBERS, AARON EDWARD, US

[72] KUDIRKA, ROMAS ALVYDAS, US

[72] GAROFALO, ALBERT W., US

[73] REDWOOD BIOSCIENCE, INC., US

[85] 2016-04-15

[86] 2014-11-26 (PCT/US2014/067746)

[87] (WO2015/081282)

[30] US (61/909,897) 2013-11-27

[11] **2,930,161**
[13] C

[51] **Int.Cl. C22C 38/52 (2006.01)**

[25] EN

[54] **MARAGING STEEL**

[54] **ACIER MARAGING**

[72] SUGIYAMA, KENJI, JP

[72] HINOSHITA, KEITA, JP

[72] TAKABAYASHI, HIROYUKI, JP

[72] UETA, SHIGEKI, JP

[73] DAIDO STEEL CO., LTD., JP

[86] (2930161)

[87] (2930161)

[22] 2016-05-16

[30] JP (2015-247123) 2015-12-18

[30] JP (2015-104464) 2015-05-22

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[11] **2,930,720**
[13] C

[51] **Int.Cl. F27B 15/06 (2006.01) F27B 1/00 (2006.01) F27B 1/10 (2006.01) F27B 1/16 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE REACTOR REFRACTORY SYSTEMS**

[54] **SYSTEMES REFRACTAIRES DE REACTEUR A HAUTE TEMPERATURE**

[72] HOYT, TIMOTHY, US

[72] GOSKI, DANA, US

[72] DISAIA, ANTHONY, US

[72] KNOLL, DAVID, US

[72] WILSON, ROBERT, US

[73] ALLIED MINERAL PRODUCTS, LLC, US

[85] 2016-05-13

[86] 2014-11-17 (PCT/US2014/066012)

[87] (WO2015/074003)

[30] US (61/904,735) 2013-11-15

[11] **2,932,567**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **CANINIZED MURINE ANTIBODIES TO HUMAN PD-1**

[54] **ANTICORPS MURINS CANINISES DIRIGES CONTRE LE RECEPTEUR PD-1 HUMAIN**

[72] MORSEY, MOHAMAD, US

[72] ZHANG, YUANZHENG, US

[72] BARTELS-MOROZOV, DENISE, US

[72] ERSKINE, JASON, US

[72] TARPEY, IAN, GB

[72] PRESTA, LEONARD G., US

[73] INTERVET INTERNATIONAL B.V., NL

[85] 2016-06-02

[86] 2014-12-19 (PCT/EP2014/078665)

[87] (WO2015/091914)

[30] US (61/918,847) 2013-12-20

[30] US (61/918,946) 2013-12-20

[30] US (62/030,812) 2014-07-30

[11] **2,933,406**
[13] C

[51] **Int.Cl. A61B 17/03 (2006.01) A61B 17/132 (2006.01) A61F 15/00 (2006.01)**

[25] EN

[54] **DOUBLE-ROW RATCHET LOCKING MECHANISM WITH SINGLE-BYPASS ('ARMING') FUNCTIONALITY**

[54] **MECANISME DE VERROUILLAGE A DOUBLE RANGEE DE CLIQUETS AYANT UNE FONCTIONNALITE DE MONOPONTAGE (« D'ARMEMENT »)**

[72] ATKINSON, IAN J., CA

[72] FILIPS, DENNIS, CA

[72] LAKSHMINARASIMHAN, PRASANNA, CA

[72] DRALLE, STEVE, US

[72] MOTTET, KELLY, CA

[72] LUDDY, CHUCK, US

[72] MCHUGH, KATHLEEN, US

[72] HALLER, CHRISTIAN L., CA

[73] INNOVATIVE TRAUMA CARE, INC., CA

[85] 2016-06-10

[86] 2014-12-11 (PCT/IB2014/003154)

[87] (WO2015/087166)

[30] US (61/914,901) 2013-12-11

[11] **2,933,655**
[13] C

[51] **Int.Cl. E21D 9/00 (2006.01)**

[25] EN

[54] **PROCEDURE FOR THE CONSTRUCTION OF UNDERGROUND TRANSPORT INFRASTRUCTURES**

[54] **PROCEDURES POUR LA CONSTRUCTION D'INFRASTRUCTURES DE TRANSPORT SOUTERRAINES**

[72] CUCINO, PAOLO, IT

[73] SWS ENGINEERING S.P.A., IT

[85] 2016-06-13

[86] 2014-12-15 (PCT/IB2014/066897)

[87] (WO2015/087311)

[30] IT (MO2013A000343) 2013-12-13

[11] **2,933,751**
[13] C

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/00 (2006.01)**

[25] EN

[54] **MANUFACTURING AN ARTICULATING OPHTHALMIC SURGICAL PROBE**

[54] **PROCEDE DE FABRICATION D'UNE SONDE CHIRURGICALE OPHTALMIQUE S'ARTICULANT**

[72] BOUCH, DUSTIN J., US

[72] PINEDJIAN, RAFFI S., US

[72] RYAN, TIMOTHY C., US

[73] ALCON INC., US

[85] 2016-06-13

[86] 2015-02-03 (PCT/US2015/014197)

[87] (WO2015/119921)

[30] US (61/936,434) 2014-02-06

[11] **2,935,660**
[13] C

[51] **Int.Cl. F16L 21/02 (2006.01)**

[25] EN

[54] **PIPE COUPLING HAVING DOUBLE-THREADED TIGHTENING FASTENER AND ASSOCIATED METHODS**

[54] **RACCORD DE TUYAU DOTE D'UNE FIXATION DE SERRAGE A DOUBLE FILET ET METHODES ASSOCIEES**

[72] BIRD, EDWIN A., US

[73] SENSUS SPECTRUM LLC, US

[86] (2935660)

[87] (2935660)

[22] 2016-07-11

[30] US (14/827,424) 2015-08-17

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[11] **2,935,960**
[13] C

[51] **Int.Cl. B01J 19/10 (2006.01)**
[25] EN
[54] **ACOUSTOPHORESIS DEVICE WITH DUAL ACOUSTOPHORETIC CHAMBER DISPOSITIF D'ACOUSTOPHORESE AVEC DOUBLE CHAMBRE ACOUSTOPHORETIQUE**

[72] LIPKENS, BART, US
[72] MCCARTHY, BRIAN, US
[72] ROSS-JOHN SRUD, BEN, US
[72] BARNES, JASON, US
[72] MEALEY, DANE, US
[72] KENNEDY, THOMAS J., III, US
[73] FLODESIGN SONICS, INC., US
[85] 2016-07-04
[86] 2015-01-08 (PCT/US2015/010595)
[87] (WO2015/105955)
[30] US (61/925,171) 2014-01-08

[11] **2,936,217**
[13] C

[51] **Int.Cl. H04N 21/4335 (2011.01) H04N 21/2387 (2011.01) H04N 21/2662 (2011.01) H04N 21/2747 (2011.01) H04N 19/115 (2014.01) H04N 19/70 (2014.01)**

[25] EN
[54] **STORAGE MANAGEMENT OF DATA STREAMED FROM A VIDEO SOURCE DEVICE GESTION DU STOCKAGE DE DONNEES DIFFUSEES EN CONTINU A PARTIR D'UN DISPOSITIF SOURCE VIDEO**

[72] MARLATT, SHAUN P., CA
[72] SHIR, OREN, CA
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2016-07-07
[86] 2014-12-19 (PCT/US2014/071734)
[87] (WO2015/108671)
[30] US (61/927,923) 2014-01-15
[30] US (14/568,077) 2014-12-11

[11] **2,936,813**
[13] C

[51] **Int.Cl. B66C 1/22 (2006.01)**
[25] EN
[54] **SPREADER FRAME CHASSIS D'EPANDEUSE**

[72] SANDROWSKI, BJORN R., CA
[73] SANDROWSKI, BJORN R., CA
[86] (2936813)
[87] (2936813)
[22] 2016-07-22

[11] **2,937,232**
[13] C

[51] **Int.Cl. A61M 39/10 (2006.01) A61M 25/00 (2006.01) A61M 39/16 (2006.01) A61M 39/20 (2006.01)**

[25] EN
[54] **ACTIVE-AGENT INSERTS FOR CONNECTORS AND RELATED METHODS INSERTS DE PRINCIPE ACTIF POUR CONNECTEURS ET PROCEDES ASSOCIES**

[72] DIFIORE, ATTILIO, US
[73] ATTWILL MEDICAL SOLUTIONS STERILFLOW L.P., US
[85] 2016-07-18
[86] 2015-01-16 (PCT/US2015/011722)
[87] (WO2015/109162)
[30] US (61/928,378) 2014-01-16

[11] **2,939,062**
[13] C

[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **DENTAL IMPLANT IMPLANT DENTAIRE**

[72] JACOBY, YUVAL, IL
[72] BICHACHO, NITZAN, IL
[72] SARIG, DROR, IL
[73] MIS IMPLANTS TECHNOLOGIES LTD., IL
[85] 2016-08-08
[86] 2015-02-18 (PCT/IL2015/050185)
[87] (WO2015/125139)
[30] US (61/942,197) 2014-02-20

[11] **2,939,696**
[13] C

[51] **Int.Cl. C08L 89/00 (2006.01) A61K 9/10 (2006.01) A61L 27/22 (2006.01) A61L 27/52 (2006.01) C07K 1/00 (2006.01) C07K 7/08 (2006.01) C08J 3/075 (2006.01)**

[25] EN
[54] **SELF-ASSEMBLING PEPTIDE COMPOSITIONS COMPOSITIONS DE PEPTIDES A AUTO-ASSEMBLAGE**

[72] GIL, EUN SEOK, US
[72] GILBERT, KARL, US
[72] MEHTA, MANAV, US
[73] 3-D MATRIX, LTD., JP
[85] 2016-08-15
[86] 2015-03-10 (PCT/US2015/019796)
[87] (WO2015/138514)
[30] US (61/950,529) 2014-03-10

[11] **2,941,532**
[13] C

[51] **Int.Cl. F04B 49/00 (2006.01) F04B 17/03 (2006.01) F04B 23/06 (2006.01)**

[25] EN
[54] **REDUCING FLUID PRESSURE SPIKES IN A PUMPING SYSTEM REDUCTION DE PICS DE PRESSION FLUIDIQUE DANS UN SYSTEME DE POMPAGE**

[72] CHONG, JONATHAN WUN SHIUNG, US
[72] CALLAWAY, LEWIS, US
[72] HODGSON, KIM, US
[73] LIBERTY OILFIELD SERVICES LLC, US
[85] 2016-09-01
[86] 2015-03-30 (PCT/US2015/023296)
[87] (WO2015/153432)
[30] US (61/973,050) 2014-03-31

[11] **2,942,205**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/30 (2018.01) G10L 15/00 (2013.01)**

[25] EN
[54] **METHOD AND SYSTEM TO ENABLE REAL-TIME AVAILABILITY OF ACCESSIBLE FORMAT THROUGH MULTIMODAL, MULTICHANNEL ECO-SYSTEM METHODE ET SYSTEME PERMETTANT D'ACTIVER LA DISPONIBILITE EN TEMPS REEL DE FORMAT ACCESSIBLE PAR UN ECOSYSTEME MULTIMODAL MULTICANAL**

[72] JADHAV, CHARUDATTA VITTHAL, IN
[72] SHAH, UMANG SATISH KUMAR, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[86] (2942205)
[87] (2942205)
[22] 2016-09-14
[30] IN (3541/MUM/2015) 2015-09-15

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[11] **2,943,350**
[13] C

[51] **Int.Cl. F02M 35/10 (2006.01) B60K 13/02 (2006.01)**
[25] EN
[54] **AFTERCOOLER PIPE SUPPORT ASSEMBLY**
[54] **ENSEMBLE DE SUPPORT DE TUYAU POSTREFROIDISSEUR**
[72] BAJRACHARYA, BIJAY, US
[73] CATERPILLAR GLOBAL MINING EQUIPMENT LLC, US
[85] 2016-09-20
[86] 2015-03-24 (PCT/US2015/022128)
[87] (WO2015/153181)
[30] US (14/245,579) 2014-04-04

[11] **2,943,373**
[13] C

[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/4439 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **2,4-THIAZOLIDINEDIONE DERIVATIVES IN THE TREATMENT OF CENTRAL NERVOUS SYSTEM DISORDERS**
[54] **DERIVES DE 2,4-THIAZOLIDINEDIONE DANS LE TRAITEMENT DE TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] GARCIA COLLAZO, ANA MARIA, ES
[72] ECKLAND, DAVID JOHN AUGUSTUS, GB
[72] PIZCUETA LALANZA, MARIA PILAR, ES
[72] MARTINELL PEDEMONTE, MARC, ES
[73] MINORYX THERAPEUTICS S.L., ES
[85] 2016-09-20
[86] 2015-04-01 (PCT/EP2015/057224)
[87] (WO2015/150476)
[30] EP (14382130.4) 2014-04-02

[11] **2,943,523**
[13] C

[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR CONTROLLING AXIAL GROWTH WITH AN OCULAR LENS**
[54] **APPAREIL ET PROCÉDES POUR LE CONTROLE DE LA CROISSANCE AXIALE AVEC UNE LENTILLE OCULAIRE**
[72] NEWMAN, STEPHEN D., SG
[73] MENICON SINGAPORE PTE LTD., SG
[85] 2016-09-21
[86] 2015-03-24 (PCT/SG2015/050050)
[87] (WO2015/147758)
[30] SG (10201400920R) 2014-03-24

[11] **2,943,613**
[13] C

[51] **Int.Cl. C10G 50/00 (2006.01) C07C 59/347 (2006.01) C10G 3/00 (2006.01) C10L 1/06 (2006.01)**
[25] EN
[54] **METHOD FOR CATALYTIC CONVERSION OF KETOACIDS AND HYDROTREATMENT TO HYDROCARBONS**
[54] **PROCEDE POUR LA CONVERSION CATALYTIQUE DE CETOACIDES ET L'HYDROTRAITEMENT EN HYDROCARBURES**
[72] MYLLYOJA, JUKKA PEKKA, FI
[72] PIILOLA, RAMI, FI
[73] NESTE OYJ, FI
[85] 2016-09-22
[86] 2015-03-26 (PCT/FI2015/050208)
[87] (WO2015/144993)
[30] EP (14161793.6) 2014-03-26

[11] **2,943,836**
[13] C

[51] **Int.Cl. A61F 2/12 (2006.01)**
[25] EN
[54] **DIRECTIONAL TISSUE EXPANDER**
[54] **EXPANSEUR TISSULAIRE DIRECTIONNEL**
[72] HRISTOV, KRASIMIRA, US
[72] DAVILA, LUIS ALBERTO, US
[72] FALCON, ANITA M., US
[72] HOFFMAN, MICHAEL, US
[73] MENTOR WORLDWIDE LLC, US
[85] 2016-09-23
[86] 2015-03-09 (PCT/US2015/019458)
[87] (WO2015/153066)
[30] US (14/230,251) 2014-03-31
[30] US (14/534,255) 2014-11-06

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

[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **IMMUNOACTIVATING ANTIGEN-BINDING MOLECULE**
[54] **MOLECULE D'IMMUNOACTIVATION DE LIAISON A UN ANTIGENE**
[72] IGAWA, TOMOYUKI, JP
[72] MIYAZAKI, TARO, JP
[72] TANIGUCHI, KENJI, JP
[72] HIRONIWA, NAOKA, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2016-09-26
[86] 2015-04-07 (PCT/JP2015/060794)
[87] (WO2015/156268)
[30] JP (2014-078457) 2014-04-07
[30] JP (2014-264589) 2014-12-26

[11] **2,944,776**
[13] C

[51] **Int.Cl. G01N 33/92 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **METHOD FOR ANALYZING LIPOPROTEINS**
[54] **PROCEDE D'ANALYSE DE LIPOPROTEINES**
[72] OKAZAKI, MITSUYO, JP
[73] OKAZAKI, MITSUYO, JP
[85] 2016-10-03
[86] 2015-04-02 (PCT/JP2015/060467)
[87] (WO2015/152371)
[30] JP (2014-077433) 2014-04-04

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[11] **2,946,536**
[13] C

[51] **Int.Cl. A61B 50/33 (2016.01) A61B 50/15 (2016.01) A61B 50/20 (2016.01) A61B 90/50 (2016.01) A61F 9/007 (2006.01)**

[25] EN

[54] **OPHTHALMIC SURGICAL SYSTEMS, METHODS, AND DEVICES**

[54] **SYSTEMES, PROCEDES ET DISPOSITIFS CHIRURGICAUX OPHTALMIQUES**

[72] BRENNAN, JEFFREY DAVID, US

[72] HUMAYUN, MARK, US

[73] ALCON INC., US

[85] 2016-10-20

[86] 2015-01-29 (PCT/US2015/013567)

[87] (WO2015/171189)

[30] US (61/990,021) 2014-05-07

[30] US (14/554,865) 2014-11-26

[30] US (PCT/US2014/067717) 2014-11-26

[30] US (62/091,384) 2014-12-12

[11] **2,946,790**
[13] C

[51] **Int.Cl. C07F 11/00 (2006.01) B01J 31/00 (2006.01) C08F 4/78 (2006.01)**

[25] EN

[54] **N-HETEROCYCLIC CARBENE COMPLEXES OF METAL IMIDO ALKYLIDENES AND METAL OXO ALKYLIDENES, AND THE USE OF SAME**

[54] **COMPLEXE CARBENE N-HETEROCYCLIQUE D'IMIDO-ALKYLIDENES METALLIQUES ET D'OXO-ALKYLIDENES METALLIQUES ET LEUR UTILISATION**

[72] BUCHMEISER, MICHAEL R., DE

[72] SEN, SUMAN, IN

[72] SCHOWNER, ROMAN, DE

[73] UNIVERSITAT STUTTGART, DE

[85] 2016-10-24

[86] 2015-04-24 (PCT/EP2015/058888)

[87] (WO2015/162245)

[30] DE (10 2014 105 885.2) 2014-04-25

[11] **2,947,186**
[13] C

[51] **Int.Cl. C08F 4/649 (2006.01) C08F 10/02 (2006.01) C08F 10/06 (2006.01)**

[25] EN

[54] **MAGNESIUM HALIDE SOLUTION, PREPARING METHOD AND USE THEREOF**

[54] **SOLUTION D'HALOGENURE DE MAGNESIUM, SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] WANG, SHIBO, CN

[72] ZHOU, JUNLING, CN

[72] LIU, DONGBIN, CN

[72] ZHANG, LEI, CN

[72] LV, XINPING, CN

[72] MAO, BINGQUAN, CN

[72] LIU, ZHENJIE, CN

[72] ZHOU, XIN, CN

[72] ZHANG, CHANGLI, CN

[72] XING, BAOQUAN, CN

[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[73] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[85] 2016-10-27

[86] 2015-04-29 (PCT/CN2015/077801)

[87] (WO2015/165402)

[30] CN (201410180571.8) 2014-04-29

[30] CN (201410176196.X) 2014-04-29

[30] CN (201410176117.5) 2014-04-29

[11] **2,947,411**
[13] C

[51] **Int.Cl. B01D 3/36 (2006.01) C07C 17/38 (2006.01) C07C 17/383 (2006.01)**

[25] EN

[54] **SEPARATION OF R-1233 FROM HYDROGEN FLUORIDE**

[54] **SEPARATION DE R-1233 CONTENU DANS DU FLUORURE D'HYDROGENE**

[72] WISMER, JOHN A., US

[72] CHEN, BENJAMIN BIN, US

[73] ARKEMA INC., US

[85] 2016-10-28

[86] 2015-04-13 (PCT/US2015/025510)

[87] (WO2015/167784)

[30] US (14/264,374) 2014-04-29

[11] **2,948,918**
[13] C

[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/02 (2012.01)**

[25] EN

[54] **TECHNOLOGIES FOR POINT-OF-SALE TRANSACTIONS**

[54] **TECHNOLOGIES POUR TRANSACTIONS SUR POINT DE VENTE**

[72] DASILVA, DAX, CA

[73] LIGHTSPEED POS INC., CA

[85] 2016-11-14

[86] 2015-05-12 (PCT/CA2015/050428)

[87] (WO2015/172247)

[30] US (61/992,469) 2014-05-13

[11] **2,948,930**
[13] C

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[25] EN

[54] **PAINTING METHOD AND PAINTING FACILITY FOR PRODUCING A DECORATIVE COATING**

[54] **PROCEDE DE PEINTURE ET INSTALLATION DE PEINTURE POUR LA PEINTURE D'ELEMENTS DECORATIFS**

[72] FRITZ, HANS-GEORG, DE

[72] WOHR, BENJAMIN, DE

[72] KLEINER, MARCUS, DE

[72] BEYL, TIMO, DE

[72] BUBEK, MORITZ, DE

[72] EICHORN, JENS, DE

[72] WOLF, UDO, DE

[73] DURR SYSTEMS AG, DE

[85] 2016-11-14

[86] 2015-07-03 (PCT/EP2015/001366)

[87] (WO2016/000826)

[30] DE (10 2014 009 945.8) 2014-07-04

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[25] EN

[54] **HERBICIDAL PROPYNYL-PHENYL COMPOUNDS**

[54] **COMPOSES PROPYNYLE-PHENYLE HERBICIDES**

[72] SCUTT, JAMES NICHOLAS, GB

[72] WILLETTS, NIGEL JAMES, GB

[73] SYNGENTA PARTICIPATIONS AG, CH

[85] 2016-11-14

[86] 2015-06-18 (PCT/EP2015/063744)

[87] (WO2015/197468)

[30] GB (1411418.5) 2014-06-26

[11] **2,949,299**
[13] C

[51] **Int.Cl. B01D 27/14 (2006.01) B01D 27/08 (2006.01)**

[25] EN

[54] **KEY SYSTEM TO ENSURE CORRECT USE OF INSERTS**

[54] **SYSTEME DE CLE PERMETTANT D'ASSURER L'UTILISATION CORRECTE D'ELEMENTS INSERES**

[72] FICH, JENS, DK

[73] C.C. JENSEN A/S, DK

[85] 2016-11-16

[86] 2015-05-21 (PCT/EP2015/061243)

[87] (WO2015/177274)

[30] EP (14169236.8) 2014-05-21

[11] **2,949,386**
[13] C

[51] **Int.Cl. A61M 5/50 (2006.01) A61M 5/32 (2006.01) A61M 5/20 (2006.01)**

[25] EN

[54] **TAMPER-EVIDENT PEN NEEDLE OUTER COVER**

[54] **COUVERCLE EXTERNE DE STYLO D'INJECTION INDICATEUR D'EFFRACTION**

[72] DIBIASI, MICHAEL, US

[73] EMBECTA CORP., US

[85] 2016-11-16

[86] 2015-06-08 (PCT/US2015/034700)

[87] (WO2015/191457)

[30] US (62/009,475) 2014-06-09

[11] **2,949,663**
[13] C

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[25] EN

[54] **DIPICOLYLAMINE DERIVATIVES AND THEIR PHARMACEUTICAL USES**

[54] **DERIVES DE DIPICOLYLAMINE ET LEURS UTILISATIONS PHARMACEUTIQUES**

[72] CHEN, CHIUNG-TONG, TW

[72] SHIA, KAK-SHAN, TW

[72] WU, CHIEN-HUANG, TW

[72] TSOU, LUN-KELVIN, TW

[72] CHAO, YU-SHENG, US

[73] MOLECULAR TARGETING TECHNOLOGIES, INC., US

[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW

[85] 2016-11-18

[86] 2015-05-18 (PCT/US2015/031386)

[87] (WO2015/179299)

[30] US (62/001,725) 2014-05-22

[11] **2,949,680**
[13] C

[51] **Int.Cl. F16D 69/00 (2006.01) F16D 65/12 (2006.01)**

[25] EN

[54] **BRAKE ROTOR WITH WORKING SURFACE INSERTS**

[54] **ROTOR DE FREIN A INSERTS DE SURFACE DE TRAVAIL**

[72] BEAN, RICHARD, US

[72] MECKEL, NATHAN K., US

[72] FRANKIEWICZ, WALTER F., US

[73] TECH M3, INC., US

[85] 2016-11-18

[86] 2015-05-19 (PCT/US2015/031609)

[87] (WO2015/179420)

[30] US (62/000,461) 2014-05-19

[11] **2,949,880**
[13] C

[51] **Int.Cl. A61M 60/139 (2021.01) A61M 60/295 (2021.01) A61M 60/497 (2021.01) A61M 60/50 (2021.01)**

[25] EN

[54] **A DEVICE AND METHOD FOR PROVIDING RESUSCITATION OR SUSPENDED STATE IN CARDIAC ARREST**

[54] **DISPOSITIF ET METHODE POUR LA REANIMATION OU UN ETAT DE SUSPENSION PENDANT UN ARRET CARDIAQUE**

[72] FROST, HABIB, DK

[73] NEURESCUE APS, DK

[85] 2016-11-22

[86] 2015-05-26 (PCT/EP2015/061587)

[87] (WO2015/181167)

[30] DK (PA 2014 70302) 2014-05-26

[30] DK (PA 2014 70668) 2014-10-31

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[13] C

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[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING VASCULAR ACCESS DISCONNECTION**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE DECONNEXION D'ACCES VASCULAIRE**
[72] VAN DER MERWE, DIRK A., US
[72] NORRIS, MICHAEL G., US
[72] BAKER, MICHAEL A., US
[72] BALLANTYNE, TODD A., US
[72] WILT, MICHAEL J., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2016-11-22
[86] 2015-05-27 (PCT/US2015/032702)
[87] (WO2015/183976)
[30] US (62/003,346) 2014-05-27
[30] US (62/121,980) 2015-02-27

[11] **2,950,750**
[13] C

[51] **Int.Cl. C07J 63/00 (2006.01) A61K 39/39 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07H 13/08 (2006.01) C07H 15/24 (2006.01)**
[25] EN
[54] **MINIMAL SAPONIN ANALOGUES, SYNTHESIS AND USE THEREOF**
[54] **ANALOGUES DE SAPONINE A STRUCTURE MINIMALE, SYNTHESE ET UTILISATION**
[72] GIN, DAVID Y., US
[72] CHEA, ERIC K., US
[72] FERNANDEZ-TEJADA, ALBERTO, US
[72] TAN, DEREK S., US
[72] LEWIS, JASON S., US
[72] GARDNER, JEFFREY R., US
[72] PILLARSETTY, NAGAVARAKISHORE, US
[73] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2016-11-29
[86] 2015-06-01 (PCT/US2015/033567)
[87] (WO2015/184451)
[30] US (62/005,302) 2014-05-30

[11] **2,950,800**
[13] C

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/454 (2006.01) A61K 47/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MODULATORS OF ANDROGEN SYNTHESIS**
[54] **MODULATEURS DE LA SYNTHESE DES ANDROGENES**
[72] DILLY, SUZANNE JANE, GB
[72] STOLOFF, GREGORY ALAN, GB
[72] TAYLOR, PAUL CHRISTOPHER, GB
[73] TANGENT REPROFILING LIMITED, GB
[85] 2016-11-30
[86] 2015-05-11 (PCT/EP2015/060388)
[87] (WO2015/169971)
[30] US (61/990,800) 2014-05-09

[11] **2,950,921**
[13] C

[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **PROFILE, TIER, LEVEL FOR THE 0-TH OUTPUT LAYER SET IN VIDEO CODING**
[54] **PROFIL, ETAGE, NIVEAU POUR L'ENSEMBLE DE COUCHES DE SORTIE DE RANG 0 EN CODAGE VIDEO**
[72] WANG, YE-KUI, US
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] HENDRY, FNU, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-11-30
[86] 2015-06-19 (PCT/US2015/036614)
[87] (WO2015/196034)
[30] US (62/015,210) 2014-06-20
[30] US (14/743,512) 2015-06-18

[11] **2,950,952**
[13] C

[51] **Int.Cl. C07D 277/20 (2006.01) A61K 31/4196 (2006.01) A61K 31/426 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) C07D 217/06 (2006.01) C07D 249/08 (2006.01) C07D 285/08 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **METABOTROPIC GLUTAMATE RECEPTOR NEGATIVE ALLOSTERIC MODULATORS (NAMS) AND USES THEREOF**
[54] **MODULATEURS ALLOSTERIQUES NEGATIFS (NAM) DU RECEPTEUR METABOTROPIQUE DU GLUTAMATE ET UTILISATIONS DE CEUX-CI**
[72] COSFORD, NICHOLAS DAVID PETER, US
[72] RAVEENDRA PANICKAR, DHANYA, US
[72] SHEFFLER, DOUGLAS J., US
[73] SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE, US
[85] 2016-12-01
[86] 2015-06-09 (PCT/US2015/034964)
[87] (WO2015/191630)
[30] US (62/009,910) 2014-06-10

[11] **2,951,619**
[13] C

[51] **Int.Cl. C07K 5/065 (2006.01) A61K 31/437 (2006.01) A61K 38/00 (2006.01) A61P 5/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **SERINE DERIVATIVES AS GHRELIN RECEPTOR AGONISTS**
[54] **DERIVES DE SERINE UTILES EN TANT QU'AGONISTES DU RECEPTEUR DE LA GHRELIN**
[72] IWATA, YASUHIRO, JP
[72] KAWAMURA, KIYOSHI, JP
[72] SUDO, MASAKI, JP
[72] SHIMADA, KAORU, JP
[72] KOIZUMI, SHINICHI, JP
[72] TAKAHASHI, NOBUYUKI, JP
[72] OBATA, KEIKO, JP
[72] KURODA, MAKIKO, JP
[73] RAQUALIA PHARMA INC., JP
[85] 2016-12-08
[86] 2015-08-05 (PCT/JP2015/003939)
[87] (WO2016/021191)
[30] US (62/033,369) 2014-08-05

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[13] C

[51] **Int.Cl. G06F 3/01 (2006.01) A61B 5/291 (2021.01) A61B 5/369 (2021.01) G06F 1/16 (2006.01)**

[25] EN

[54] **BRAIN-COMPUTER INTERFACE HEADSET**

[54] **CASQUE D'ECOUTE D'INTERFACE CERVEAU-ORDINATEUR**

[72] LEUTHARDT, ERIC C., US

[72] MORAN, DANIEL W., US

[73] NEUROOLUTIONS, INC., US

[85] 2016-12-08

[86] 2015-06-09 (PCT/US2015/034841)

[87] (WO2015/191538)

[30] US (62/009,488) 2014-06-09

[11] **2,951,926**
[13] C

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 39/395 (2006.01) A61P 17/02 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR TREATING ULCERS**

[54] **METHODES ET COMPOSITIONS DE TRAITEMENT D'ULCERES**

[72] ATTIE, KENNETH M., US

[73] ACCELERON PHARMA, INC., US

[85] 2016-12-09

[86] 2015-06-12 (PCT/US2015/035706)

[87] (WO2015/192111)

[30] US (62/012,109) 2014-06-13

[30] US (62/045,808) 2014-09-04

[11] **2,952,329**
[13] C

[51] **Int.Cl. B23P 11/00 (2006.01) F23R 3/00 (2006.01) F23R 3/06 (2006.01) F23R 3/60 (2006.01)**

[25] FR

[54] **ASSEMBLY FOR TURBOMACHINE COMBUSTION CHAMBER COMPRISING A BOSS AND AN ANNULAR ELEMENT**

[54] **ENSEMBLE POUR CHAMBRE DE COMBUSTION DE TURBOMACHINE COMPRENANT UN BOSSAGE ET UN ELEMENT ANNULAIRE**

[72] NAUDOT, LUDOVIC ANDRE JOEL, FR

[72] OLHARAN, PHILIPPE, FR

[72] MENET-HAURE, JEAN, FR

[73] SAFRAN HELICOPTER ENGINES, FR

[85] 2016-12-14

[86] 2015-06-19 (PCT/FR2015/051633)

[87] (WO2015/197954)

[30] FR (1455862) 2014-06-24

[11] **2,952,635**
[13] C

[51] **Int.Cl. H04W 24/10 (2009.01)**

[25] EN

[54] **ULTRA RELIABLE LINK DESIGN**

[54] **CONCEPTION DE LIAISON ULTRA FIABLE**

[72] JI, TINGFANG, US

[72] SMEE, JOHN EDWARD, US

[72] SORIAGA, JOSEPH, US

[72] BHUSHAN, NAGA, US

[72] AZARIAN YAZDI, KAMBIZ, US

[72] MUKKAVILLI, KRISHNA KIRAN, US

[72] GOROKHOV, ALEXEI YURIEVITCH, US

[72] GAAL, PETER, US

[73] QUALCOMM INCORPORATED, US

[85] 2016-12-15

[86] 2015-07-15 (PCT/US2015/040487)

[87] (WO2016/014305)

[30] US (62/027,623) 2014-07-22

[30] US (14/567,914) 2014-12-11

[11] **2,953,020**
[13] C

[51] **Int.Cl. C12N 15/115 (2010.01) A61K 47/61 (2017.01) C12Q 1/6804 (2018.01) A61K 49/00 (2006.01) G01N 33/53 (2006.01) A61K 31/7088 (2006.01) C07H 21/04 (2006.01) C07K 14/705 (2006.01)**

[25] EN

[54] **APTAMERS SPECIFIC FOR TLR-4 AND USES THEREOF**

[54] **APTAMERES SPECIFIQUES DU RECEPTEUR TLR-4 ET LEURS UTILISATIONS**

[72] LIZASOAIN HERNANDEZ, IGNACIO, ES

[72] GONZALEZ MUNOZ, VICTOR MANUEL, ES

[72] FERNANDEZ GOMEZ-CHACON, GERONIMO, ES

[72] MORO SANCHEZ, MARIA ANGELES, ES

[72] MARTIN PALMA, MA ELENA, ES

[72] MORAGA YEBENES, ANA, ES

[73] APTATARGETS, S.L., ES

[85] 2016-12-20

[86] 2015-06-24 (PCT/EP2015/064277)

[87] (WO2015/197706)

[30] ES (P201430955.) 2014-06-24

[11] **2,953,450**
[13] C

[51] **Int.Cl. C12P 21/02 (2006.01) C12N 5/071 (2010.01) C12N 5/02 (2006.01) C12P 1/00 (2006.01)**

[25] EN

[54] **METHOD FOR INCREASING THE SPECIFIC PRODUCTION RATE OF EUKARYOTIC CELLS**

[54] **PROCEDE D'AUGMENTATION DE LA PRODUCTIVITE SPECIFIQUE DE CELLULES EUKARYOTES**

[72] POPP, OLIVER, DE

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

[85] 2016-12-22

[86] 2015-07-31 (PCT/EP2015/067733)

[87] (WO2016/023775)

[30] EP (14180586.1) 2014-08-11

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[11] **2,954,011**
[13] C

[51] **Int.Cl. G06F 3/041 (2006.01) A63H 33/00 (2006.01)**

[25] EN

[54] **PATTERN RECOGNITION WITH A NON-DETECTABLE STENCIL ON THE TOUCH-SENSITIVE SURFACE**

[54] **RECONNAISSANCE DE MOTIF AVEC UN POCHOIR NON DETECTABLE SUR LA SURFACE TACTILE**

[72] FOGTMANN, MAIKEN HILLERUP, DK

[72] LAULUND, JENS VALENTIN, DK

[72] MATHIASSEN, DANIEL W., DK

[73] LEGO A/S, DK

[85] 2016-12-30

[86] 2015-07-01 (PCT/DK2015/050196)

[87] (WO2016/000720)

[30] DK (PA 2014 70414) 2014-07-03

[11] **2,954,069**
[13] C

[51] **Int.Cl. A61B 5/11 (2006.01)**

[25] EN

[54] **DEVICES, SYSTEMS AND METHODS FOR MONITORING NEUROMUSCULAR BLOCKAGE**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE SURVEILLANCE D'UN BLOCAGE NEUROMUSCULAIRE**

[72] DURFEE, WILLIAM KEITH, US

[72] IAIZZO, PAUL ANTHONY, US

[72] CABRERA, JESUS ARTURO, US

[72] IAIZZO, JENNA CHRISTINE, US

[72] MEHAWAJ, JOHN, US

[72] RUDA, KEVIN, US

[72] MCCONNELL, JASON PAUL, US

[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US

[85] 2016-12-29

[86] 2015-07-16 (PCT/US2015/040733)

[87] (WO2016/011244)

[30] US (62/025,236) 2014-07-16

[11] **2,954,363**
[13] C

[51] **Int.Cl. H04W 48/08 (2009.01) H04W 88/02 (2009.01)**

[25] EN

[54] **METHOD FOR PERFORMING INTER PLMN DISCOVERY BY A USER EQUIPMENT (UE) IN DEVICE-TO-DEVICE (D2D) COMMUNICATION**

[54] **PROCEDE POUR EFFECTUER UNE DECOUVERTE INTER-PLMN PAR UN EQUIPEMENT UTILISATEUR (UE) EN COMMUNICATION DE DISPOSITIF A DISPOSITIF (D2D)**

[72] AGIWAL, ANIL, IN

[72] CHANG, YOUNG-BIN, KR

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

[85] 2017-01-05

[86] 2015-07-08 (PCT/KR2015/007072)

[87] (WO2016/006929)

[30] IN (3374/CHE/2014) 2014-07-08

[30] IN (3374/CHE/2014) 2015-05-15

[11] **2,954,766**
[13] C

[51] **Int.Cl. E21B 34/04 (2006.01) E21B 17/01 (2006.01) E21B 33/064 (2006.01) E21B 34/02 (2006.01)**

[25] EN

[54] **LANDING STRING**

[54] **COLONNE DE TUBES A POSER**

[72] DEACON, PAUL, GB

[72] WALKER, JAMIE, GB

[72] SZPUNAR, DARIUSZ, GB

[73] EXPRO NORTH SEA LIMITED, GB

[85] 2017-01-10

[86] 2015-06-09 (PCT/GB2015/051680)

[87] (WO2016/005721)

[30] GB (1412397.0) 2014-07-11

[11] **2,954,845**
[13] C

[51] **Int.Cl. E04B 2/82 (2006.01) E04B 1/348 (2006.01) E04B 1/61 (2006.01) E04H 1/12 (2006.01)**

[25] EN

[54] **WALL PANEL CONNECTING SYSTEM FOR MODULAR BUILDING UNITS**

[54] **SYSTEME DE RACCORDEMENT DE PANNEAUX MURAUX DESTINE A DES UNITES DE CONSTRUCTION MODULAIRES**

[72] BOTTIN, HERVE, FR

[73] WILLIAMS SCOTSMAN, INC., US

[85] 2017-01-11

[86] 2015-07-17 (PCT/EP2015/066481)

[87] (WO2016/009073)

[30] US (62/026,268) 2014-07-18

[11] **2,955,185**
[13] C

[51] **Int.Cl. A61B 17/322 (2006.01) A61B 17/3205 (2006.01) A61F 2/00 (2006.01) A61F 2/10 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR TISSUE COPYING AND GRAFTING**

[54] **PROCEDE ET APPAREIL DE COPIE ET DE GREFFE DE TISSU**

[72] FRANCO, WOLFRE, US

[72] JIMENEZ-LOZANO, JOEL N., US

[72] PURSCHKE, MARTIN, US

[72] ANDERSON, RICHARD R., US

[73] THE GENERAL HOSPITAL CORPORATION, US

[85] 2017-01-13

[86] 2015-07-15 (PCT/US2015/040536)

[87] (WO2016/011135)

[30] US (62/024,524) 2014-07-15

[11] **2,955,188**
[13] C

[51] **Int.Cl. B65D 55/00 (2006.01)**

[25] EN

[54] **LID MECHANISM**

[54] **MECANISME DE COUVERCLE**

[72] WARDEN, LAURENCE, US

[72] BEAVER, SCOTT W., US

[72] BECKER, MARK H., US

[73] SYNTHETIC GENOMICS, INC., US

[85] 2017-01-13

[86] 2015-07-15 (PCT/US2015/040584)

[87] (WO2016/011162)

[30] US (62/025,285) 2014-07-16

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[11] **2,955,337**
[13] C

[51] **Int.Cl. B30B 11/20 (2006.01) B30B 15/00 (2006.01) C21D 1/02 (2006.01) C21B 13/00 (2006.01)**

[25] EN

[54] **HOT-BRIQUETTING INSTALLATION**

[54] **INSTALLATION DE BRIQUETAGE A CHAUD**

[72] SCHAFFER, CHRISTOPHER, DE

[72] DE WELDIGE, EGGERT, DE

[73] MASCHINENFABRIK KOPPERN GMBH & CO. KG, DE

[85] 2017-01-16

[86] 2015-05-13 (PCT/EP2015/060691)

[87] (WO2016/026589)

[30] DE (10 2014 111 906.1) 2014-08-20

[11] **2,955,866**
[13] C

[51] **Int.Cl. C40B 30/04 (2006.01) C12Q 1/70 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **AUTOMATED IMAGING AND ANALYSIS OF THE HEMAGGLUTINATION INHIBITION ASSAY (HAI)**

[54] **IMAGERIE ET ANALYSE AUTOMATIQUES DE L'ESSAI D'INHIBITION DE L'HEMAGGLUTINATION (IHA)**

[72] NGUYEN, MICHAEL, US

[72] PARKHILL, ROBERT, US

[73] SANOFI PASTEUR VAXDESIGN CORPORATION, US

[85] 2017-01-19

[86] 2015-07-28 (PCT/US2015/042527)

[87] (WO2016/018940)

[30] US (62/029,922) 2014-07-28

[11] **2,955,979**
[13] C

[51] **Int.Cl. H04N 19/134 (2014.01) H04N 19/14 (2014.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATIC ENCODER ADJUSTMENT BASED ON TRANSPORT DATA**

[54] **SYSTEME ET PROCEDURE DE REGLAGE DE CODEUR AUTOMATIQUE SUR LA BASE DE DONNEES DE TRANSPORT**

[72] SZE, DAVID PUI KEUNG, CA

[72] HORVATH, AKOS, CA

[72] FRUSINA, BOGDAN, CA

[72] GILHULY, BARRY, CA

[72] SMITH, CAMERON KENNETH, CA

[72] MALLET, JOSEPH ROBERT WAYNE, CA

[72] SCHNEIDER, ANTHONY TODD, CA

[72] FLATT, ROBERT, CA

[72] KAYE, HAGEN, CA

[73] DEJERO LABS INC., CA

[85] 2017-01-23

[86] 2015-07-31 (PCT/CA2015/000448)

[87] (WO2016/015133)

[30] US (62/031,407) 2014-07-31

[11] **2,956,163**
[13] C

[51] **Int.Cl. C07H 19/048 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **CRYSTALLINE FORM OF NICOTINAMIDE RIBOSIDE**

[54] **FORME CRISTALLINE DU RIBOSIDE DE NICOTINAMIDE**

[72] CARLSON, ERIK C., US

[72] STANDEN, MICHAEL C., US

[72] MORRILL, WESTIN M., US

[73] W.R. GRACE & CO.-CONN., US

[85] 2017-01-23

[86] 2015-07-24 (PCT/US2015/041956)

[87] (WO2016/014927)

[30] US (62/028,702) 2014-07-24

[11] **2,957,154**
[13] C

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4015 (2006.01) A61K 31/402 (2006.01) A61K 31/4025 (2006.01) A61P 35/00 (2006.01) C07D 207/277 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/12 (2006.01) C07D 413/10 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **PYRROLIDINONE DERIVATIVES AS METAP-2 INHIBITORS**

[54] **DERIVES DE PYRROLIDINONE UTILES EN TANT QU'INHIBITEURS DE LA METAP - 2**

[72] HEINRICH, TIMO, DE

[72] ZENKE, FRANK, DE

[72] ROHDICH, FELIX, DE

[72] FRIESE-HAMIM, MANJA, DE

[72] HAHN, DIANE, DE

[73] MERCK PATENT GMBH, DE

[85] 2017-02-02

[86] 2015-07-10 (PCT/EP2015/001421)

[87] (WO2016/020031)

[30] EP (14002720.2) 2014-08-04

[11] **2,957,404**
[13] C

[51] **Int.Cl. A61F 2/60 (2006.01) A61F 2/66 (2006.01)**

[25] EN

[54] **PROSTHETIC DEVICE**

[54] **DISPOSITIF PROTHETIQUE**

[72] WILL, MICHAEL W., US

[72] LEWIS, MARK A., US

[73] ROCKY MOUNTAIN MANUFACTURING, LLC, US

[85] 2017-02-06

[86] 2015-08-14 (PCT/US2015/045334)

[87] (WO2016/025868)

[30] US (14/461,097) 2014-08-15

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[11] **2,958,600**

[13] C

- [51] **Int.Cl. A61K 47/59 (2017.01) A61K 31/7016 (2006.01) A61K 31/702 (2006.01) A61K 31/715 (2006.01) A61K 38/14 (2006.01) A61K 45/06 (2006.01) A61P 31/04 (2006.01)**
- [25] EN
- [54] **METHODS AND REAGENTS FOR PREVENTION AND/OR TREATMENT OF INFECTION**
- [54] **PROCEDES ET REACTIFS POUR LA PREVENTION ET/OU LE TRAITEMENT D'UNE INFECTION**
- [72] MANEZ MENDILUCE, RAFAEL, ES
- [72] COSTA VALLES, CRISTINA, ES
- [72] PEREZ CRUZ, MAGDIEL, ES
- [72] BELLO GIL, DANIEL, ES
- [73] INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL), ES
- [85] 2017-02-17
- [86] 2015-08-24 (PCT/EP2015/069334)
- [87] (WO2016/026981)
- [30] EP (14382324.3) 2014-08-22

[11] **2,959,023**

[13] C

- [51] **Int.Cl. H03M 7/30 (2006.01)**
- [25] EN
- [54] **DATA ADAPTIVE COMPRESSION AND DATA ENCRYPTION USING KRONECKER PRODUCTS**
- [54] **COMPRESSION ADAPTATIVE DE DONNEES ET CHIFFREMENT DE DONNEES A L'AIDE DE PRODUITS DE KRONECKER**
- [72] BOUROUHIYA, ABDELKRIM, US
- [73] NOVA SOUTHEASTERN UNIVERSITY, US
- [85] 2017-02-22
- [86] 2015-08-21 (PCT/US2015/046382)
- [87] (WO2016/029163)
- [30] US (62/040,674) 2014-08-22

[11] **2,959,434**

[13] C

- [51] **Int.Cl. A61K 8/30 (2006.01) A61Q 15/00 (2006.01)**
- [25] EN
- [54] **ANTIPERSPIRANT AND DEODORANT COMPOSITIONS COMPRISING MALODOR REDUCTION COMPOSITIONS**
- [54] **COMPOSITIONS ANTITRANSPIRANTES ET DESODORISANTES COMPRENANT DES COMPOSITIONS DE REDUCTION DES MAUVAISES ODEURS**
- [72] CETTI, JONATHAN ROBERT, US
- [72] FRANKENBACH, GAYLE MARIE, US
- [72] HORENZIAK, STEVEN ANTHONY, US
- [72] HOLLINGSHEAD, JUDITH ANN, US
- [73] THE PROCTER & GAMBLE COMPANY, US
- [85] 2017-02-24
- [86] 2015-09-25 (PCT/US2015/052092)
- [87] (WO2016/049396)
- [30] US (62/055,844) 2014-09-26
- [30] US (62/143,862) 2015-04-07

[11] **2,959,531**

[13] C

- [51] **Int.Cl. C07D 403/02 (2006.01)**
- [25] EN
- [54] **PROBES FOR IMAGING HUNTINGTIN PROTEIN**
- [54] **SONDES D'IMAGERIE DE LA PROTEINE HUNTINGTINE**
- [72] DOMINGUEZ, CELIA, US
- [72] WITYAK, JOHN, US
- [72] BARD, JONATHAN, US
- [72] BROWN, CHRISTOPHER JOHN, GB
- [72] KRULLE, THOMAS MARTIN, GB
- [72] CLARK-FREW, DANIEL, GB
- [72] HAYES, SARAH, GB
- [73] CHDI FOUNDATION, INC., US
- [85] 2017-02-27
- [86] 2015-08-28 (PCT/US2015/047396)
- [87] (WO2016/033436)
- [30] US (62/043,644) 2014-08-29

[11] **2,960,057**

[13] C

- [51] **Int.Cl. E04F 15/024 (2006.01) E04B 5/48 (2006.01) H02G 3/22 (2006.01) H02G 3/30 (2006.01)**
- [25] EN
- [54] **FLOORING MODULE**
- [54] **MODULE DE REVETEMENT DE SOL**
- [72] BOYD, MICHAEL DAVID, AU
- [72] GRAY, MARK, AU
- [73] QLX PTY LTD, AU
- [85] 2017-03-03
- [86] 2015-09-04 (PCT/AU2015/050522)
- [87] (WO2016/033656)
- [30] AU (2014903538) 2014-09-04

[11] **2,960,328**

[13] C

- [51] **Int.Cl. F03G 7/00 (2006.01) F03G 7/04 (2006.01)**
- [25] EN
- [54] **PROCESS FOR ELECTRICITY GENERATION FROM WARM GEOTHERMAL SOURCE SALINE STREAMS**
- [54] **PROCEDE DE GENERATION D'ELECTRICITE DE FLUX SALINS DE SOURCE GEOTHERMIQUE CHAUDE**
- [72] NISSEN, STEEN SONDERGAARD, US
- [72] CLAUSEN, JORGEN MADS, DK
- [73] APPLIED BIOMIMETIC A/S, DK
- [85] 2017-03-06
- [86] 2015-09-08 (PCT/EP2015/070431)
- [87] (WO2016/037999)
- [30] GB (1415847.1) 2014-09-08
- [30] GB (1510307.0) 2015-06-12

[11] **2,961,307**

[13] C

- [51] **Int.Cl. A61B 10/00 (2006.01) A61B 90/00 (2016.01) A61B 5/00 (2006.01) A61B 5/07 (2006.01)**
- [25] EN
- [54] **DEVICE**
- [54] **DISPOSITIF**
- [72] WRIGGLESWORTH, DAVID, GB
- [72] BRADLEY, WILLIAM JAMES, GB
- [73] MARS INCORPORATED, US
- [85] 2017-03-14
- [86] 2015-09-11 (PCT/GB2015/052648)
- [87] (WO2016/042302)
- [30] GB (1416457.8) 2014-09-17
- [30] GB (1416453.7) 2014-09-17

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[11] **2,961,605**
[13] C
[51] **Int.Cl. C07C 233/06 (2006.01) A61K 31/16 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01) C07C 233/12 (2006.01) C07C 233/23 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUNDS**
[54] **COMPOSES BICYCLIQUES**
[72] BUNKER, KEVIN DUANE, US
[72] GUO, CHUANGXING, US
[72] GRIER, MARK CHARLES, US
[72] HOPKINS, CHAD DANIEL, US
[72] PINCHMAN, JOSEPH ROBERT, US
[72] SLEE, DEBORAH HELEN, US
[72] HUANG, PETER QINHUA, US
[72] KAHRAMAN, MEHMET, US
[73] RECURIUM IP HOLDINGS, LLC, US
[85] 2017-03-16
[86] 2015-09-15 (PCT/US2015/050275)
[87] (WO2016/044331)
[30] US (62/051,760) 2014-09-17

[11] **2,962,209**
[13] C
[51] **Int.Cl. B29C 70/48 (2006.01) B29C 35/02 (2006.01)**
[25] FR
[54] **PROCESS FOR MOULDING A THERMOSETTING RESIN**
[54] **PROCEDE DE MOULAGE D'UNE RESINE THERMODURCISSABLE**
[72] TECHER, MARC-EMMANUEL, FR
[72] JAUSSAUD, RAOUL, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-03-22
[86] 2015-09-30 (PCT/FR2015/052609)
[87] (WO2016/051082)
[30] FR (1459231) 2014-09-30

[11] **2,962,466**
[13] C
[51] **Int.Cl. G16B 20/00 (2019.01) G16B 30/00 (2019.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MICROBIOME-DERIVED DIAGNOSTICS AND THERAPEUTICS**
[54] **PROCEDE ET SYSTEME DE DIAGNOSTIC ET DE THERAPIE FONDES SUR LE MICROBIOME**
[72] APTE, ZACHARY, US
[72] RICHMAN, JESSICA, US
[72] BEHBAHANI, SIAVOSH REZVAN, US
[72] ALMONACID, DANIEL, US
[73] PSOMAGEN, INC., US
[85] 2017-03-23
[86] 2015-10-21 (PCT/US2015/056767)
[87] (WO2016/065075)
[30] US (62/066,369) 2014-10-21
[30] US (62/087,551) 2014-12-04
[30] US (62/092,999) 2014-12-17
[30] US (62/146,855) 2015-04-13
[30] US (62/147,376) 2015-04-14
[30] US (62/147,212) 2015-04-14
[30] US (62/147,362) 2015-04-14
[30] US (62/206,654) 2015-08-18

[11] **2,962,493**
[13] C
[51] **Int.Cl. G01N 33/564 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DISTINGUISHING IRRITABLE BOWEL SYNDROME FROM INFLAMMATORY BOWEL DISEASE AND CELIAC DISEASE**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE DISTINGUER LE SYNDROME DU COLON IRRITABLE DE LA MALADIE INTESTINALE INFLAMMATOIRE ET DE LA MALADIE CŒLIAQUE**
[72] PIMENTEL, MARK, US
[72] CHANG, CHRISTOPHER, US
[73] CEDARS-SINAI MEDICAL CENTER, US
[85] 2017-03-23
[86] 2015-10-08 (PCT/US2015/054655)
[87] (WO2016/057772)
[30] US (62/061,877) 2014-10-09
[30] US (62/085,825) 2014-12-01

[11] **2,962,628**
[13] C
[51] **Int.Cl. A61K 31/551 (2006.01) A61K 9/08 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **LIGHT STABLE PHARMACEUTICAL PREPARATION COMPRISING RIPASUDIL**
[54] **PREPARATION PHARMACEUTIQUE STABLE A LA LUMIERE COMPRENANT DU RIPASUDIL**
[72] ODA, HIROSHI, JP
[72] SUZUKI, YUUKI, JP
[73] KOWA COMPANY, LTD., JP
[85] 2017-03-24
[86] 2015-09-25 (PCT/JP2015/077015)
[87] (WO2016/047721)
[30] JP (2014-195279) 2014-09-25

[11] **2,962,903**
[13] C
[51] **Int.Cl. C12N 9/54 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12N 15/57 (2006.01) C12P 21/02 (2006.01) C07K 14/32 (2006.01)**
[25] EN
[54] **PEPTIDE FRAGMENT CONDENSATION AND CYCLISATION USING A SUBTILISIN VARIANT WITH IMPROVED SYNTHESIS OVER HYDROLYSIS RATIO**
[54] **CONDENSATION ET CYCLISATION DE FRAGMENTS PEPTIDIQUES A L'AIDE D'UN VARIANT DE SUBTILISINE PRESENTANT UN MEILLEUR RAPPORT SYNTHÈSE/HYDROLYSE RAPPORT D'HYDROLYSE**
[72] QUÆDFLIEG, PETER JAN LEONARD MARIO, NL
[72] NUIJENS, TIMO, NL
[72] VAN DER LAAN, JAN METSKE, NL
[72] JANSSEN, DIRK BAREND, NL
[72] TOPLAK, ANA, NL
[72] WU, BIAN, NL
[73] ENZYPEP B.V., NL
[85] 2017-03-27
[86] 2015-10-09 (PCT/NL2015/050711)
[87] (WO2016/056913)
[30] NL (PCT/NL2014/050707) 2014-10-10
[30] NL (PCT/NL2015/050441) 2015-06-16

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[11] **2,963,945**
[13] C

[51] **Int.Cl. C07D 215/56 (2006.01)**
[25] EN
[54] **CO-CRYSTALS OF MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR**

[54] **CO-CRISTAUX DE MODULATEURS DU REGULATEUR DE CONDUCTANCE TRANSMEMBRANAIRE DE LA MUCOVISCIDOSE**

[72] STROHMEIER, MARK, US
[72] CAESAR, JOHN P., JR., US
[72] CONNELLY, PATRICK RAYMOND, US
[72] FAWAZ, MAJED, US
[72] LUSS-LUSIS, EDUARD, US
[72] MCCLAIN, BRIAN R., US
[72] MEDEK, ALES, US
[72] MIAO, HAI, US
[72] NTI-ADDAE, KWAME WIREDU, US
[72] YIN, PING, US
[72] ZHANG, YUEGANG, US
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2017-04-06
[86] 2015-10-07 (PCT/US2015/054577)
[87] (WO2016/057730)
[30] US (62/060,828) 2014-10-07

[11] **2,963,973**
[13] C

[51] **Int.Cl. C07D 241/04 (2006.01)**
[25] EN
[54] **MACROCYCLIC COMPOUNDS AS ATAXIA TELANGIECTASIA AND RAD3-RELATED (ATR) PROTEIN KINASE INHIBITORS**

[54] **COMPOSES MACROCYCLIQUES COMME INHIBITEURS DE PROTEINE KINASE LIES A L'ATAXIE TELANGIECTASIE ET A RAD3**

[72] BRESLIN, HENRY JOSEPH, US
[72] GILAD, OREN, US
[73] ATRIN PHARMACEUTICALS LLC, US
[85] 2017-04-06
[86] 2015-10-13 (PCT/US2015/055317)
[87] (WO2016/061097)
[30] US (62/063,176) 2014-10-13
[30] US (62/104,274) 2015-01-16

[11] **2,964,029**
[13] C

[51] **Int.Cl. F02D 41/00 (2006.01) F02D 29/06 (2006.01) F02D 41/04 (2006.01) F02N 11/08 (2006.01)**

[25] EN
[54] **METHOD FOR OPERATING A POWER GENERATING DEVICE AND POWER GENERATING DEVICE**

[54] **PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF DE PRODUCTION DE COURANT ET DISPOSITIF DE PRODUCTION DE COURANT CORRESPONDANT**

[72] URIONA SEPULVEDA, LEONARDO, DE
[72] BALL, MARTIN, DE
[73] EKU POWER DRIVES GMBH, DE
[85] 2017-04-07
[86] 2015-10-06 (PCT/EP2015/072969)
[87] (WO2016/055427)
[30] DE (10 2014 220 311.2) 2014-10-07

[11] **2,964,034**
[13] C

[51] **Int.Cl. F02D 41/00 (2006.01) F02D 29/06 (2006.01) F02D 41/04 (2006.01) F02N 11/08 (2006.01)**

[25] EN
[54] **METHOD FOR OPERATING A POWER GENERATING DEVICE AND POWER GENERATING DEVICE**

[54] **PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF DE PRODUCTION DE COURANT ET DISPOSITIF DE PRODUCTION DE COURANT CORRESPONDANT**

[72] URIONA SEPULVEDA, LEONARDO, DE
[72] BALL, MARTIN, DE
[73] EKU POWER DRIVES GMBH, DE
[85] 2017-04-07
[86] 2015-10-06 (PCT/EP2015/072970)
[87] (WO2016/055428)
[30] DE (10 2014 220 311.2) 2014-10-07

[11] **2,964,130**
[13] C

[51] **Int.Cl. F16H 25/24 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR FOR MOTION SIMULATOR**

[54] **ACTIONNEUR LINEAIRE POUR SIMULATEUR DE MOUVEMENT**

[72] BOULAIS, STEVE, CA
[72] LUPIEN, BENOIT, CA
[72] MENARD, JEFF-FRANCOIS, CA
[72] ROUSSEAU, ROBERT, CA
[73] D-BOX TECHNOLOGIES INC., CA
[85] 2017-04-07
[86] 2015-10-30 (PCT/US2015/058305)
[87] (WO2016/070038)
[30] US (62/073,453) 2014-10-31

[11] **2,964,580**
[13] C

[51] **Int.Cl. A01B 59/043 (2006.01) A01F 15/07 (2006.01) A01F 15/08 (2006.01)**

[25] EN
[54] **TOWING APPARATUS FOR AGRICULTURAL MACHINES, INCLUDING BALES AND ROUND BALERS**

[54] **APPAREIL DE REMORQUAGE POUR DES MACHINES AGRICOLES, COMME DES PRESSES A FOURRAGE ET DES PRESSES A BALLES RONDES**

[72] FRASCELLA, COSIMO, IT
[73] KVERNELAND GROUP RAVENNA S.R.L., IT
[85] 2017-04-12
[86] 2015-10-12 (PCT/EP2015/073601)
[87] (WO2016/059008)
[30] EP (14425131.1) 2014-10-15

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[11] **2,964,675**
[13] C
[51] **Int.Cl. B64C 21/06 (2006.01) B64C 3/00 (2006.01) B64C 21/02 (2006.01) B64D 15/04 (2006.01)**
[25] FR
[54] **SYSTEM FOR DUAL MANAGEMENT OF ANTI-ICING AND BOUNDARY LAYER SUCTION ON A BEARING SURFACE OF AN AIRCRAFT**
[54] **SYSTEME POUR LA GESTION DUALE DE L'ANTIGIVRAGE ET DE L'ASPIRATION DE LA COUCHE LIMITE SUR UNE SURFACE PORTANTE D'UN AERONEF**
[72] GUEUNING, DIMITRI, BE
[72] DEBAISIEUX, STEPHANE, BE
[73] SONACA, BE
[85] 2017-04-13
[86] 2015-10-19 (PCT/EP2015/074088)
[87] (WO2016/062645)
[30] BE (2014/5019) 2014-10-20

[11] **2,965,924**
[13] C
[51] **Int.Cl. A47K 1/14 (2006.01)**
[25] EN
[54] **BATHTUB DRAIN STOPPER**
[54] **BOUCHON D'EVACUATION DE BAIGNOIRE**
[72] BECK, HAROLD KENT, US
[72] AHUJA, SANJAY, US
[73] PF WATERWORKS LP, US
[86] (2965924)
[87] (2965924)
[22] 2017-05-01
[30] US (62/330,783) 2016-05-02
[30] US (62/460,071) 2017-02-16

[11] **2,966,061**
[13] C
[51] **Int.Cl. B64G 1/24 (2006.01) B64G 1/64 (2006.01) B64G 1/00 (2006.01) B64G 1/62 (2006.01) B64G 3/00 (2006.01)**
[25] EN
[54] **SPACE DEBRIS INTERCEPTION**
[54] **INTERCEPTION DE DEBRIS SPATIAUX**
[72] REED, JAIME, GB
[72] BARRACLOUGH, SIMON, GB
[72] RATCLIFFE, ANDREW, GB
[73] AIRBUS DEFENCE AND SPACE LIMITED, GB
[85] 2017-04-27
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[54] **SYSTEMS AND METHODS FOR DYNAMIC MASKING OF DATA**
[54] **SYSTEMES ET METHODES DE MASQUAGE DYNAMIQUE DES DONNEES**
[72] HARP, VICKY, US
[73] IDERA, INC., US
[86] (2966285)
[87] (2966285)
[22] 2017-05-10
[30] US (62/332,757) 2016-05-06

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[25] EN
[54] **HAIR REMOVAL DEVICE AND WAX-STRIP**
[54] **DISPOSITIF D'EPILATION ET BANDE DE CIRE**
[72] KEREN, SHAY, US
[72] PERACH, BENJAMIN, IL
[72] PERACH, SHARON, IL
[73] KEREN, SHAY, US
[73] PERACH, BENJAMIN, IL
[73] PERACH, SHARON, IL
[85] 2017-04-28
[86] 2015-10-29 (PCT/IL2015/051059)
[87] (WO2016/067294)
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[25] EN
[54] **METHODS AND PRECURSORS FOR MANUFACTURING A PERFORATED COMPOSITE PART**
[54] **PROCEDES ET PRECURSEURS POUR LA FABRICATION D'UNE PIECE COMPOSITE PERFOREE**
[72] WILSON, ROBERT SAMUEL, GB
[72] MILLAR, TONY, GB
[73] SHORT BROTHERS PLC, IE
[85] 2017-05-02
[86] 2015-11-02 (PCT/GB2015/053290)
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[25] EN
[54] **MULTI-PROTOCOL CHARGE PORT FOR AN ELECTRIC VEHICLE**
[54] **ORIFICE DE CHARGE MULTI-PROTOCOLE DESTINE A UN VEHICULE ELECTRIQUE**
[72] GERBER, JOHN A., US
[72] MCGRATH, SEAMUS T., US
[72] INNES, ROGER A., US
[72] MCCARTNEY, TIMOTHY J., US
[72] SHAH, KEYUR M., US
[73] PROTERRA OPERATING COMPANY, INC., US
[86] (2966747)
[87] (2966747)
[22] 2017-05-10
[30] US (15/227,163) 2016-08-03

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[25] EN
[54] **STRAIGHTENING APPARATUS**
[54] **APPAREIL DE REDRESSAGE**
[72] VENALAINEN, OLAVI, FI
[73] VENALAINEN, OLAVI, FI
[85] 2017-05-15
[86] 2015-11-17 (PCT/FI2015/050798)
[87] (WO2016/079384)
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[25] EN
[54] **ENDOASCULAR STENT-GRAFT WITH FATIGUE-RESISTANT LATERAL TUBE**
[54] **STENT-GREFFE ENDOASCULAIRE AVEC TUBE LATERAL RESISTANT A LA FATIGUE**
[72] MARMUR, YANIV, IL
[72] NAE, NIR SHALOM, IL
[72] SHALEV, ALON, IL
[73] ENDOSPAN LTD., IL
[85] 2017-05-15
[86] 2015-12-16 (PCT/IL2015/051221)
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[25] EN
[54] **POROUS INTERCONNECTED CORRUGATED CARBON-BASED NETWORK (ICCN) COMPOSITE**
[54] **COMPOSITE DE RESEAU A BASE DE COUCHES DE CARBONE ONDULE INTERCONNECTEES (ICCN) POREUX**
[72] EL-KADY, MAHER F., US
[72] KANER, RICHARD B., US
[72] HWANG, JEE YOUN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-05-16
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[13] C

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[25] EN
[54] **DUAL LAYER FROZEN CONFECTION**
[54] **DESSERT GLACE BICOUCHE**
[72] LEBLEU, ANNE-CECILE AGNES, FR
[72] CORSARO, PIETRO GOFFREDO, FR
[72] PREVOST, LOIC, FR
[72] RICCO, MASSIMILLIANO, IT
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2017-05-17
[86] 2015-12-14 (PCT/EP2015/079594)
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[25] EN
[54] **MEDICATION DEVICE**
[54] **DISPOSITIF A MEDICAMENT**
[72] ROEDLE, TILMAN, DE
[73] VETTER PHARMA-FERTIGUNG GMBH & CO. KG, DE
[85] 2017-05-18
[86] 2015-11-19 (PCT/EP2015/077069)
[87] (WO2016/079228)
[30] DE (10 2014 223 693.2) 2014-11-20

[11] **2,968,983**
[13] C

[51] **Int.Cl. A61L 2/08 (2006.01)**
[25] EN
[54] **PASTEURIZING PAINTS AND METHOD FOR PASTEURIZING PAINTS**
[54] **PASTEURISATION DES PEINTURES ET PROCEDE DE PASTEURISATION DES PEINTURES**
[72] SHEERIN, ROBERT, US
[72] SIEGFRIED, DAVID L., US
[72] MARDIS, WILBUR, US
[72] RITZKE, JOHN, US
[72] TILARA, NAVIN, US
[73] BENJAMIN MOORE & CO., US
[85] 2017-05-25
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[87] (WO2016/089696)
[30] US (62/087,595) 2014-12-04
[30] US (62/219,800) 2015-09-17

[11] **2,969,641**
[13] C

[51] **Int.Cl. B01D 53/50 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR IMPROVING THE CAPTURE OF SO2 FROM THE GASES OF ELECTROLYSIS TANKS BY A SET OF FILTERING MODULES**
[54] **PROCEDE ET DISPOSITIF POUR AMELIORER LA CAPTATION DU SO2 ISSU DES GAZ DE CUVES D'ELECTROLYSE PAR UN ENSEMBLE DE MODULES FILTRANTS**
[72] CLOUTIER, BERNARD, FR
[72] BOUHABILA, EL HANI, FR
[72] COURAU, ALIX, FR
[73] FIVES SOLIOS, FR
[85] 2017-06-02
[86] 2016-01-25 (PCT/FR2016/050141)
[87] (WO2016/128635)
[30] FR (15 51202) 2015-02-13

[11] **2,969,795**
[13] C

[51] **Int.Cl. E01B 29/26 (2006.01) B25C 11/00 (2006.01)**
[25] EN
[54] **RAILROAD SPIKE REMOVER**
[54] **APPAREIL D'EXTRACTION DE CRAMPONS**
[72] BENJAMIN, TIMOTHY J., US
[72] ALONZO, KRISTOPHER ANDRE, US
[72] BARNBY, TREVOR LEE-MICHAEL, US
[72] GANTT, SAMUEL HORACE, US
[72] HAWKINS, JONATHAN, US
[72] HOOD, ALEXANDER, US
[72] SCOTT, DANIEL RICHARD, US
[72] TONSMEIRE, ZACHARY, US
[72] WISE, KYLE D., US
[72] ATIQUULLAH, MIR MOHAMED, US
[72] RUHALA, LAURA ANN, US
[73] FTS TOOLS, LLC, US
[86] (2969795)
[87] (2969795)
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[25] EN

[54] **WATER AND ENERGY SAVING PROCESS FOR MAKING WHOLE WHEAT AND WHOLE GLUTEN-FREE GRAIN FLOUR**

[54] **PROCEDE D'ECONOMIE D'EAU ET D'ENERGIE POUR FABRIQUER DU BLE COMPLET ET DE LA FARINE DE CEREALES COMPLETES SANS GLUTEN**

[72] RUBIO, FELIPE A., US
[72] RUBIO, MANUEL J., US
[72] CONTRERAS M., ROBERTO, MX
[73] INVESTIGACION TECNICA AVANZADA S.A. DE C.V., MX

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[87] (WO2016/099554)

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[25] EN

[54] **RADIATION-CURABLE COATING COMPOUNDS CONSISTING OF A PLURALITY OF COMPONENTS, AND THE USE OF SAME IN RELEASE-COATED SUBSTRATES**

[54] **MATIERES DE REVETEMENT A PLUSIEURS COMPOSANTS, DURCISSABLES PAR RAYONNEMENT, ET LEUR UTILISATION DANS DES SUBSTRATS A REVETEMENT ANTI-ADHESIF**

[72] DOEHLER, HARDI, DE
[72] BRAND, MIKE, DE
[73] EVONIK OPERATIONS GMBH, DE

[85] 2017-06-15
[86] 2015-12-10 (PCT/EP2015/079237)
[87] (WO2016/096595)
[30] EP (PCT/EP2014/078393) 2014-12-18

[11] **2,971,021**
[13] C

[51] **Int.Cl. A47J 36/04 (2006.01) B05D 3/12 (2006.01) B05D 5/00 (2006.01) B44C 1/00 (2006.01) B44C 1/10 (2006.01)**

[25] FR

[54] **METHOD FOR DECORATING A KITCHEN ITEM BY MECHANICAL TREATMENT**

[54] **PROCEDE DE DECORATION D'UN ARTICLE CULINAIRE PAR TRAITEMENT MECANIQUE**

[72] DUBANCHET, AURELIEN, FR
[72] CAILLIER, LAURENT, FR
[72] BUFFAULT, GERMAIN, FR
[73] SEB S.A., FR

[85] 2017-06-14
[86] 2015-12-21 (PCT/FR2015/053691)
[87] (WO2016/108008)
[30] FR (1463442) 2014-12-30

[11] **2,971,078**
[13] C

[51] **Int.Cl. C05D 9/02 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING A SULPHUR-CONTAINING SOIL IMPROVER**

[54] **PROCEDE DE PREPARATION D'UN AGENT D'AMELIORATION DE SOL CONTENANT DU SOUFRE**

[72] ALLAIS, CYRILLE PAUL, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2017-06-14
[86] 2015-12-18 (PCT/EP2015/080670)
[87] (WO2016/097378)
[30] EP (14199219.8) 2014-12-19

[11] **2,971,284**
[13] C

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[25] EN

[54] **COMPOSITIONS FOR INTRODUCING NUCLEIC ACID INTO CELLS**

[54] **COMPOSITIONS POUR L'INTRODUCTION D'ACIDE NUCLEIQUE DANS DES CELLULES**

[72] DOHMEN, CHRISTIAN, DE
[72] PLANK, CHRISTIAN, DE
[72] RUDOLPH, CARSTEN, DE
[73] ETHRIS GMBH, DE

[85] 2017-06-16
[86] 2015-12-18 (PCT/EP2015/080669)
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[30] EP (14199439.2) 2014-12-19

[11] **2,972,157**
[13] C

[51] **Int.Cl. B64C 25/10 (2006.01) B64C 25/18 (2006.01)**

[25] EN

[54] **AIRCRAFT LANDING GEAR AND AIRCRAFT LANDING GEAR SHOCK ABSORBING STRUT**

[54] **TRAIN D'ATTERISSAGE D'AERONEF ET ENTRETOISE D'AMORTISSEMENT DU TRAIN D'ATTERISSAGE**

[72] BENNETT, IAN ROBERT, GB
[73] SAFRAN LANDING SYSTEMS UK LIMITED, GB

[86] (2972157)
[87] (2972157)
[22] 2017-06-28
[30] EP (16177652.1) 2016-07-01

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[25] FR

[54] **METHOD FOR MANUFACTURING A FIBROUS PREFORM FILLED WITH REFRACTIVE CERAMIC PARTICLES**

[54] **PROCEDE DE FABRICATION D'UNE PREFORME FIBREUSE CHARGEE DE PARTICULES CERAMIQUES REFRACTAIRES**

[72] DROZ, NICOLAS, FR

[72] LIAIS, LUDOVIC, FR

[72] PODGORSKI, MICHAEL, FR

[72] BILLOTTE CABRE, CATHERINE, CA

[72] RUIZ, EDU, CA

[72] TURENNE, SYLVAIN, CA

[73] SAFRAN, FR

[73] SAFRAN AIRCRAFT ENGINES, FR

[85] 2017-06-23

[86] 2015-12-18 (PCT/FR2015/053621)

[87] (WO2016/102839)

[30] FR (1463286) 2014-12-23

[11] **2,972,201**
[13] C

[51] **Int.Cl. A61M 39/22 (2006.01) A61M 39/10 (2006.01) A61M 39/26 (2006.01)**

[25] EN

[54] **FLOW COMPONENT PARTICULARLY FOR HAEMODIALYSIS MEDICAL LINES**

[54] **COMPOSANTE D'ECOULEMENT PARTICULIEREMENT DESTINEE A DES TUYAUX D'HEMODIALYSE**

[72] GUALA, GIANNI, IT

[73] INDUSTRIE BORIA S.P.A, IT

[86] (2972201)

[87] (2972201)

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[30] IT (102016000075597) 2016-07-19

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[13] C

[51] **Int.Cl. G01S 7/02 (2006.01)**

[25] EN

[54] **DYNAMIC AZIMUTH SCANNING FOR ROTATING ACTIVE ELECTRONIC SCANNED ARRAY RADAR**

[54] **BALAYAGE EN AZIMUT DYNAMIQUE POUR RADAR TOURNANT A ENSEMBLE ACTIF DE BALAYAGE ELECTRONIQUE**

[72] POWERS, PATRICK J., US

[72] LANZKRON, PAUL J., US

[73] RAYTHEON COMPANY, US

[85] 2017-06-27

[86] 2016-01-11 (PCT/US2016/012821)

[87] (WO2016/115024)

[30] US (14/594,221) 2015-01-12

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[25] EN

[54] **PROSTHETIC MITRAL VALVES AND APPARATUS AND METHODS FOR DELIVERY OF SAME**

[54] **PROTHESES DE VALVULES MITRALES ET APPAREIL ET PROCEDES DE MISE EN PLACE ASSOCIE**

[72] CHRISTIANSON, MARK, US

[72] VIDLUND, ZACH, US

[72] VIDLUND, ROBERT, US

[72] KOVALSKY, IGOR, US

[72] PECKELS, WILLIAM, US

[72] EVANS, MICHAEL, US

[72] PERRIN, CHAD, US

[72] OTTE, JOHN F., US

[72] MAI, SON, US

[73] TENDYNE HOLDINGS, INC., US

[85] 2017-07-04

[86] 2016-01-06 (PCT/US2016/012305)

[87] (WO2016/112085)

[30] US (62/100,548) 2015-01-07

[30] US (PCT/US2015/014572) 2015-02-05

[30] US (62/137,384) 2015-03-24

[30] US (62/187,896) 2015-07-02

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[13] C

[51] **Int.Cl. B24D 15/08 (2006.01)**

[25] EN

[54] **KNIFE SHARPENING SHEATH AND METHOD FOR MAKING THE SAME**

[54] **ETUI AIGUISEUR DE COUTEAU ET SON PROCEDE DE FABRICATION**

[72] LIN, HSIN-JUNG, US

[73] LIFETIME BRANDS, INC., US

[85] 2017-07-06

[86] 2016-02-23 (PCT/US2016/019123)

[87] (WO2016/137988)

[30] US (62/120,483) 2015-02-25

[11] **2,973,610**
[13] C

[51] **Int.Cl. G03G 15/08 (2006.01)**

[25] EN

[54] **POWDER CONTAINER, POWDER SUPPLY DEVICE AND IMAGE FORMING APPARATUS**

[54] **RECIPIENT DE POUDRE, DISPOSITIF DE DISTRIBUTION DE POUDRE ET APPAREIL DE FORMATION D'IMAGE**

[72] MATSUMOTO, JUNICHI, JP

[72] KAI, TSUKURU, JP

[72] HOSOKAWA, HIROSHI, JP

[72] KOMATSU, MAKOTO, JP

[72] HAYAKAWA, TADASHI, JP

[72] OZAWA, YUZURU, JP

[73] RICOH COMPANY, LTD., JP

[86] (2973610)

[87] (2973610)

[22] 2011-12-02

[62] 2,795,123

[30] JP (2010-270370) 2010-12-03

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[13] C

[51] **Int.Cl. F23R 3/02 (2006.01) F02C 5/12 (2006.01) F23R 3/48 (2006.01) F23R 7/00 (2006.01)**

[25] FR

[54] **CONSTANT-VOLUME COMBUSTION MODULE FOR A TURBINE ENGINE, COMPRISING COMMUNICATION-BASED IGNITION**

[54] **MODULE DE COMBUSTION A VOLUME CONSTANT POUR UNE TURBOMACHINE COMPORTANT UN ALLUMAGE PAR COMMUNICATION**

[72] LEYKO, MATTHIEU, FR

[73] SAFRAN, FR

[85] 2017-07-19

[86] 2016-01-26 (PCT/FR2016/050151)

[87] (WO2016/120555)

[30] FR (1550587) 2015-01-26

[11] **2,974,782**
[13] C

[51] **Int.Cl. B21D 11/02 (2006.01) B21D 7/024 (2006.01) B21D 7/08 (2006.01)**

[25] EN

[54] **METHOD FOR THE PRODUCTION OF CURVED PIECES FROM A CONTINUOUS METAL ELEMENT**

[54] **PROCEDE DE FABRICATION DE PIECES INCURVEES A PARTIR D'UN ELEMENT METALLIQUE CONTINU**

[72] PASSONE, PIETRO, IT

[73] BAOMARC AUTOMOTIVE SOLUTIONS S.P.A., IT

[85] 2017-07-24

[86] 2015-12-16 (PCT/IB2015/059678)

[87] (WO2016/120698)

[30] IT (TO2015A000068) 2015-01-30

[11] **2,974,946**
[13] C

[51] **Int.Cl. B01D 53/54 (2006.01) B01D 53/02 (2006.01) B01D 53/96 (2006.01) B01J 20/26 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01)**

[25] EN

[54] **SEPARATION OF NITROGEN FROM HYDROCARBON GAS USING PYROLYZED SULFONATED MACROPOROUS ION EXCHANGE RESIN**

[54] **SEPARATION D'AZOTE D'UN GAZ D'HYDROCARBURE A L'AIDE D'UNE RESINE ECHANGEUSE D'IONS MICROPOREUSE SULFONEE PYROLYSEE**

[72] LIU, JUNQIANG, US

[72] HAN, CHAN, US

[72] GOLTZ, H. ROBERT, US

[72] RODGERS, MATTHEW L., US

[72] MATTEUCCI, SCOTT T., US

[72] KERN, BRANDON J., US

[73] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2017-07-25

[86] 2016-01-06 (PCT/US2016/012256)

[87] (WO2016/122842)

[30] US (62/108,113) 2015-01-27

[11] **2,976,167**
[13] C

[51] **Int.Cl. A61M 1/06 (2006.01)**

[25] EN

[54] **MEDIA SEPARATION DEVICE**

[54] **DISPOSITIF DE SEPARATION DE MILIEU**

[72] HOLTZ, RAYMOND, US

[72] CHO, DAVID, US

[72] MIZUCHI, KATHRYN, US

[73] MEDELA HOLDING AG, CH

[85] 2017-08-09

[86] 2016-02-10 (PCT/IB2016/000214)

[87] (WO2016/128832)

[30] US (62/114,476) 2015-02-10

[11] **2,976,371**
[13] C

[51] **Int.Cl. B65G 17/06 (2006.01) B65G 17/38 (2006.01) B65G 17/40 (2006.01) B65G 23/04 (2006.01)**

[25] EN

[54] **MODULAR LINK CONVEYOR WITH FEATURES FOR ENHANCING THE EFFICIENT CONVEYANCE OF ARTICLES**

[54] **CONVOYEUR A MAILLONS MODULAIRES AVEC DES CARACTERISTIQUES DESTINEES A AMELIORER LE TRANSPORT EFFICACE D'ARTICLES**

[72] FYE, STEPHEN C., US

[72] LAYNE, JAMES L., US

[72] BARBOUR, SCOTT DAYTON, US

[73] SPAN TECH LLC, US

[85] 2017-08-10

[86] 2016-02-23 (PCT/US2016/019155)

[87] (WO2016/138010)

[30] US (62/119,634) 2015-02-23

[11] **2,977,565**
[13] C

[51] **Int.Cl. E04G 15/06 (2006.01) E04G 11/08 (2006.01)**

[25] EN

[54] **CONCRETE FORM SYSTEM**

[54] **SYSTEME DE MOULE DE BETON**

[72] GONZALEZ, ADRIAN RIVERA, CA

[73] GONZALEZ, ADRIAN RIVERA, CA

[86] (2977565)

[87] (2977565)

[22] 2017-08-28

[30] US (15/455,087) 2017-03-09

[11] **2,977,720**
[13] C

[51] **Int.Cl. C07K 1/08 (2006.01) C07K 1/10 (2006.01)**

[25] EN

[54] **USE OF EXCESS CARBODIIMIDE FOR PEPTIDE SYNTHESIS AT ELEVATED TEMPERATURES**

[54] **UTILISATION D'EXCES DE CARBODIIMIDE POUR LA SYNTHESE DE PEPTIDE A DES TEMPERATURES ELEVEES**

[72] COLLINS, JONATHAN M., US

[72] SINGH, SANDEEP K., US

[73] CEM CORPORATION, US

[86] (2977720)

[87] (2977720)

[22] 2017-08-28

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[30] US (15/686719) 2017-08-25

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[11] **2,978,364**
[13] C

[51] **Int.Cl. B29C 59/04 (2006.01) B82Y 40/00 (2011.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING A HIGH ASPECT RATIO NANOSTRUCTURED FOIL BY EXTRUSION COATING OR EXTRUSION CASTING**

[54] **PROCEDE ET APPAREIL DE PRODUCTION D'UNE FEUILLE NANOSTRUCTUREE A RAPPORT D'ASPECT ELEVE PAR REVETEMENT PAR EXTRUSION OU MOULAGE PAR EXTRUSION**

[72] PRANOV, HENRIK, DK
[72] MATSCHUK, MARIA, DK
[72] WESTAD, SANNE NORUP, DK
[72] JOHANSEN, PETER LASS, DK
[72] BRODSGARD, OLE, DK
[73] DANAPAK FLEXIBLES A/S, DK
[73] INMOLD A/S, DK
[85] 2017-08-31
[86] 2015-03-23 (PCT/DK2015/000012)
[87] (WO2015/144174)
[30] DK (PA 2014 00165) 2014-03-24

[11] **2,978,533**
[13] C

[51] **Int.Cl. C02F 11/14 (2019.01) C02F 1/52 (2006.01)**

[25] EN

[54] **RAPID STIRRING MACHINE**

[54] **MACHINE D'AGITATION RAPIDE**

[72] TAKAHASHI, KOJI, JP
[72] TAMURA, TAKASHI, JP
[72] HIGASHI, RYUJI, JP
[73] KUBOTA CORPORATION, JP
[85] 2017-09-01
[86] 2015-12-18 (PCT/JP2015/085528)
[87] (WO2016/157645)
[30] JP (2015-070483) 2015-03-31

[11] **2,978,669**
[13] C

[51] **Int.Cl. C12H 1/052 (2006.01) A23F 3/20 (2006.01) A23L 2/70 (2006.01) A23L 2/84 (2006.01) C12G 1/02 (2006.01) C12H 1/04 (2006.01) C12H 1/10 (2006.01) C12N 1/06 (2006.01) C12N 1/16 (2006.01) C12N 15/10 (2006.01)**

[25] FR

[54] **USE OF A YEAST EXTRACT FOR CLARIFYING MUSTS AND BEVERAGES**

[54] **UTILISATION D'UN EXTRAIT DE LEVURE POUR LE COLLAGE DE MOUTS ET DE BOISSONS**

[72] DORIGNAC, ETIENNE, FR
[72] MENIN, RUDY, FR
[72] GOSSELIN, YVES, FR
[73] LESAFFRE ET COMPAGNIE, FR
[85] 2017-09-05
[86] 2016-03-24 (PCT/FR2016/050660)
[87] (WO2016/151257)
[30] FR (15 52464) 2015-03-24

[11] **2,978,704**
[13] C

[51] **Int.Cl. B65G 15/00 (2006.01) H02K 7/18 (2006.01)**

[25] EN

[54] **CONVEYOR BELT DRIVEN GENERATOR**

[54] **GENERATEUR ENTRAINE PAR COURROIE TRANSPORTEUSE**

[72] HARRISON, PAUL B., US
[73] MARTIN ENGINEERING COMPANY, US
[85] 2017-09-05
[86] 2016-03-01 (PCT/US2016/020173)
[87] (WO2016/144605)
[30] US (14/640,810) 2015-03-06

[11] **2,980,012**
[13] C

[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/10 (2006.01)**

[25] EN

[54] **X80 PIPELINE STEEL WITH GOOD STRAIN-AGING PERFORMANCE, PIPELINE TUBE AND METHOD FOR PRODUCING SAME**

[54] **ACIER POUR PIPELINE X80 PRESENTANT DE BONNES PERFORMANCES DE VIEILLISSEMENT APRES DEFORMATION, TUBE POUR PIPELINE ET PROCEDE DE PRODUCTION ASSOCIE**

[72] BAI, MINGZHUO, CN
[72] ZHENG, LEI, CN
[72] SUN, LEILEI, CN
[72] XU, GUODONG, CN
[72] WU, KOUGEN, CN
[72] XU, HAISHENG, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2017-09-18
[86] 2015-09-16 (PCT/CN2015/089696)
[87] (WO2016/150116)
[30] CN (201510125587.3) 2015-03-20

[11] **2,980,243**
[13] C

[51] **Int.Cl. A61K 31/19 (2006.01) A61P 19/00 (2006.01)**

[25] EN

[54] **A COMPOSITION FOR USE IN THE TREATMENT OF INTERVERTEBRAL MISALIGNMENT**

[54] **COMPOSITION A UTILISER POUR TRAITER UN DEFAUT D'ALIGNEMENT DE DISQUE INTERVERTEBRAL**

[72] OLMARKER, KJELL, SE
[73] STAYBLE THERAPEUTICS AB, SE
[85] 2017-09-19
[86] 2016-03-17 (PCT/EP2016/055868)
[87] (WO2016/150825)
[30] SE (1550338-6) 2015-03-20

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[11] **2,980,696**
[13] C

[51] **Int.Cl. B65D 35/10 (2006.01)**
[25] EN
[54] **TUBULAR CONTAINER**
[54] **RECEPTACLE TUBULAIRE**
[72] YOSHIDA, MIHOKO, JP
[72] SUZUKI, TOYOAKI, JP
[72] TAKEMATSU, ATSUSHI, JP
[72] ETO, YUKI, JP
[72] KASHIMA, KOSUKE, JP
[72] KANAZAWA, ASAKO, JP
[73] FUJIMORI KOGYO CO., LTD., JP
[85] 2017-09-22
[86] 2016-04-06 (PCT/JP2016/061199)
[87] (WO2016/163378)
[30] JP (2015-079310) 2015-04-08
[30] JP (2015-141051) 2015-07-15

[11] **2,981,104**
[13] C

[51] **Int.Cl. B01D 53/86 (2006.01) C01B 17/765 (2006.01)**
[25] EN
[54] **CONTINUOUS PROCESS AND APPARATUS FOR PURIFYING SO₂-CONTAINING GASES**
[54] **PROCEDE EN CONTINU ET DISPOSITIF DE PURIFICATION DE GAZ CONTENANT SO₂**
[72] WEBER, TORSTEN, DE
[72] ERKES, BERND, DE
[72] FERNANDEZ LOPEZ, LUCIA, DE
[73] CHEMETICS INC., CA
[85] 2017-09-27
[86] 2016-03-29 (PCT/EP2016/056781)
[87] (WO2016/156304)
[30] EP (15162409.5) 2015-04-02

[11] **2,981,902**
[13] C

[51] **Int.Cl. B64C 3/56 (2006.01) B64C 13/00 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO VALIDATE AN AIRCRAFT CONTROL SYSTEM COMMAND**
[54] **METHODS ET APPAREIL DE VALIDATION D'UNE COMMANDE DE SYSTEME DE CONTROLE D'AERONEF**
[72] NIEMIEC, AARON, US
[73] THE BOEING COMPANY, US
[86] (2981902)
[87] (2981902)
[22] 2017-10-05
[30] US (15/383,893) 2016-12-19

[11] **2,982,270**
[13] C

[51] **Int.Cl. C07J 71/00 (2006.01) A61K 8/63 (2006.01) A61K 31/58 (2006.01) A61P 35/00 (2006.01) C07J 53/00 (2006.01)**
[25] EN
[54] **NOVEL 7-DEHYDROCHOLESTEROL DERIVATIVES AND METHODS USING SAME**
[54] **NOUVEUX DERIVES DE 7-DESHYDROCHOLESTEROL ET PROCEDES LES UTILISANT**
[72] SINGH, RAKESH K., US
[72] MOORE, RICHARD G., US
[73] UNIVERSITY OF ROCHESTER, US
[85] 2017-10-10
[86] 2015-04-07 (PCT/US2015/024682)
[87] (WO2015/157262)
[30] US (61/976,148) 2014-04-07

[11] **2,982,298**
[13] C

[51] **Int.Cl. C10C 3/04 (2006.01) C08J 3/20 (2006.01) C08L 23/22 (2006.01) C08L 33/14 (2006.01) C08L 95/00 (2006.01)**
[25] EN
[54] **PREPARATION OF BLOWN POLYMER MODIFIED ASPHALT**
[54] **PREPARATION D'ASPHALTE SOUFFLE MODIFIE PAR UN POLYMERE**
[72] TIBAH, DENIS MUKI, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2982298)
[87] (2982298)
[22] 2017-10-12
[30] US (62/407808) 2016-10-13

[11] **2,982,323**
[13] C

[51] **Int.Cl. E04F 21/165 (2006.01)**
[25] EN
[54] **FINISHER BOX WITH BLADE ASSEMBLY**
[54] **BOITE DE FINITION A ENSEMBLE DE LAMES**
[72] JUNGKLAUS, MATTHEW W., US
[72] BERAN, TIMOTHY JOSEPH, US
[73] AXIA ACQUISITION CORPORATION, US
[85] 2017-10-10
[86] 2016-01-25 (PCT/US2016/014705)
[87] (WO2016/171774)
[30] US (62/152,767) 2015-04-24
[30] US (14/956,730) 2015-12-02

[11] **2,984,127**
[13] C

[51] **Int.Cl. B29B 11/16 (2006.01) F01D 5/14 (2006.01) F01D 5/28 (2006.01)**
[25] FR
[54] **BLADE COMPRISING LANDS WITH A STIFFENER**
[54] **AUBE MUNIE DE PLATEFORMES POSSEDANT UN RAIDISSEUR**
[72] BERDOU, CAROLINE JACQUELINE DENISE, FR
[72] DE GAILLARD, THOMAS ALAIN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-10-26
[86] 2016-04-26 (PCT/FR2016/050979)
[87] (WO2016/174343)
[30] FR (1553849) 2015-04-29

[11] **2,984,645**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 35/14 (2015.01) A61P 25/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING AGING-ASSOCIATED IMPAIRMENTS**
[54] **METHODS ET COMPOSITIONS PERMETTANT DE TRAITER DES TROUBLES ASSOCIES AU VIEILLISSEMENT**
[72] WYSS-CORAY, ANTON, US
[72] VILLEDA, SAUL A., US
[72] NIKOLICH, KAROLY, US
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] ALKAHEST, INC., US
[73] U.S. GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2017-10-31
[86] 2016-05-17 (PCT/US2016/032907)
[87] (WO2016/187217)
[30] US (62/163,222) 2015-05-18

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[11] **2,985,397**
[13] C

- [51] **Int.Cl. H01J 61/28 (2006.01) H01J 61/52 (2006.01)**
[25] EN
[54] **GAS DISCHARGE LAMP, AND DEVICE FOR CONTROLLING THE TEMPERATURE THEREOF**
[54] **LAMPE A DECHARGE ET DISPOSITIF THERMOREGULATEUR**
[72] ZIEGLER, KARIN, DE
[72] ZIEGLER, ROLF, DE
[73] ZED ZIEGLER ELECTRONIC DEVICES GMBH, DE
[85] 2017-11-08
[86] 2016-05-10 (PCT/EP2016/060386)
[87] (WO2016/184716)
[30] DE (10 2015 107 694.2) 2015-05-18

[11] **2,986,612**
[13] C

- [51] **Int.Cl. A61B 17/70 (2006.01)**
[25] EN
[54] **INTERSPINOUS PROCESS IMPLANT HAVING A BODY WITH A REMOVABLE END PORTION**
[54] **IMPLANT D'APOPHYSE EPINEUSE AYANT UN CORPS COMPRENANT UNE PARTIE TERMINALE AMOVIBLE**
[72] ROGERS, ADAM, US
[72] FROCK, MELISSA, US
[72] MOSELEY, TODD, US
[72] HESS, HAROLD, US
[72] SLOVER, JEFF, US
[72] FROCK, ADAM, US
[72] SNELL, DOUGLAS, US
[73] SPINAL SIMPLICITY, LLC, US
[85] 2017-11-20
[86] 2016-05-19 (PCT/US2016/033277)
[87] (WO2016/191201)
[30] US (62/165,634) 2015-05-22

[11] **2,987,449**
[13] C

- [51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE GESTION DE FONDS, ET PROCEDE, DISPOSITIF ET SERVEUR DE PAIEMENT ASSOCIES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2017-11-28
[86] 2015-05-28 (PCT/CN2015/080067)
[87] (WO2016/173039)
[30] CN (201510217839.5) 2015-04-30

[11] **2,988,520**
[13] C

- [51] **Int.Cl. D21H 15/00 (2006.01) D21H 11/00 (2006.01) D21H 27/30 (2006.01)**
[25] EN
[54] **SHAPED TRAY OR PLATE OF FIBROUS MATERIAL AND A METHOD OF MANUFACTURING THE SAME**
[54] **PLATEAU OU PLAQUE FACONNE EN MATIERE FIBREUSE ET SON PROCEDE DE FABRICATION**
[72] HEISKANEN, ISTO, FI
[72] RASANEN, JARI, FI
[73] STORA ENSO OYJ, FI
[85] 2017-12-06
[86] 2016-06-29 (PCT/IB2016/053867)
[87] (WO2017/006216)
[30] SE (1550985-4) 2015-07-07

[11] **2,989,089**
[13] C

- [51] **Int.Cl. A47J 31/38 (2006.01)**
[25] EN
[54] **MACHINE OF THE PISTON TYPE FOR DISPENSING COFFEE OR OTHER BREWED BEVERAGES**
[54] **MACHINE DE TYPE A PISTON POUR DISTRIBUTION DE CAFE OU D'AUTRES BOISSONS INFUSEES**
[72] DIONISIO, ANDREA, IT
[72] GATTI, RICCARDO, IT
[72] BERETTA, MAURIZIO, IT
[73] LA MARZOCCO S.R.L., IT
[85] 2017-12-11
[86] 2016-07-07 (PCT/EP2016/066181)
[87] (WO2017/009186)
[30] IT (UB2015A002061) 2015-07-10

[11] **2,989,273**
[13] C

- [51] **Int.Cl. B65D 5/66 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **CHILD-PROOF CONTAINER AND PROCESS FOR MAKING THE SAME**
[54] **CONTENANT A L'EPREUVE DES ENFANTS ET SON PROCEDE DE FABRICATION**
[72] BRESSAN, MICHEL, IT
[72] GANDOLLA, ALBERTO, IT
[73] I.G.B. S.R.L., IT
[85] 2017-12-12
[86] 2016-05-20 (PCT/IB2016/052967)
[87] (WO2016/198978)
[30] IT (102015000023288) 2015-06-12

[11] **2,989,279**
[13] C

- [51] **Int.Cl. C08B 37/08 (2006.01) C08J 3/24 (2006.01) C08K 5/50 (2006.01)**
[25] EN
[54] **PHOSPHONIUM-CROSSLINKED CHITOSAN AND METHODS FOR USING AND PRODUCING THE SAME**
[54] **CHITOSAN RETICULE AU PHOSPHONIUM ET METHODE D'UTILISATION ET DE PRODUCTION ASSOCIEE**
[72] SESSAREGO, SEBASTIAN, CA
[72] HILL, JOSEPHINE, CA
[73] UTI LIMITED PARTNERSHIP, CA
[86] (2989279)
[87] (2989279)
[22] 2017-12-18

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[11] **2,989,637**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 49/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **CYS80 CONJUGATED IMMUNOGLOBULINS**
[54] **IMMUNOGLOBULINES CONJUGUEES CYS80**
[72] GRASSO, LUIGI, US
[72] SPIDEL, JARED, US
[72] KLINE, JAMES BRADFORD, US
[72] ALBONE, EARL, US
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2017-12-14
[86] 2016-06-17 (PCT/US2016/038041)
[87] (WO2016/205618)
[30] US (62/182,020) 2015-06-19

[11] **2,990,255**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **IMMUNE RESPONSE INDUCER**
[54] **INDUCTEUR DE LA REPONSE IMMUNITAIRE**
[72] ISHIBASHI, MASAKI, JP
[72] OKANO, FUMIYOSHI, JP
[73] TORAY INDUSTRIES, INC., JP
[86] (2990255)
[87] (2990255)
[22] 2008-10-23
[62] 2,703,350
[30] JP (2007-277578) 2007-10-25
[30] JP (2007-277611) 2007-10-25
[30] JP (2007-277240) 2007-10-25
[30] JP (2007-279113) 2007-10-26

[11] **2,991,426**
[13] C

[51] **Int.Cl. H01P 3/16 (2006.01) H01Q 13/24 (2006.01) H01Q 19/06 (2006.01) H01P 1/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR TRANSMITTING WIRELESS SIGNALS**
[54] **APPAREIL ET PROCEDE D'EMISSION DE SIGNAUX DANS FIL**
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] BARZEGAR, FARHAD, US
[72] GERSZBERG, IRWIN, US
[72] BARNICKEL, DONALD J., US
[72] WILLIS III, THOMAS M., US
[73] AT&T INTELLECTUAL PROPERTY I, L.P., US
[85] 2018-01-04
[86] 2016-06-07 (PCT/US2016/036254)
[87] (WO2017/011098)
[30] US (14/799,272) 2015-07-14

[11] **2,992,615**
[13] C

[51] **Int.Cl. E21B 19/06 (2006.01) E21B 19/07 (2006.01)**
[25] EN
[54] **ELEVATOR LINK COMPENSATOR SYSTEMS AND METHODS**
[54] **SYSTEME DE COMPENSATEUR DE BRAS D'ELEVATEUR ET METHODES**
[72] BERGERON, JAMIE, US
[72] LEROUX, HENDRIK SCHALK, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC., US
[86] (2992615)
[87] (2992615)
[22] 2018-01-23
[30] US (62/449,970) 2017-01-24
[30] US (15/875,488) 2018-01-19

[11] **2,992,977**
[13] C

[51] **Int.Cl. A61M 5/152 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **SHAPED ELASTOMERIC INFUSION PUMP**
[54] **POMPE A PERFUSION ELASTOMERE PROFILEE**
[72] ROTELLA, JOHN ANTHONY, US
[72] MONTIJO, ANGELA CHRISTINE, US
[72] ROWE, COURTNEY, US
[72] KENOWSKI, MICHAEL A., US
[73] AVENT, INC., US
[85] 2018-01-18
[86] 2015-07-21 (PCT/US2015/041247)
[87] (WO2017/014750)

[11] **2,993,110**
[13] C

[51] **Int.Cl. G06Q 20/22 (2012.01)**
[25] EN
[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-19
[86] 2015-07-21 (PCT/CN2015/084667)
[87] (WO2017/012069)

[11] **2,993,457**
[13] C

[51] **Int.Cl. B01D 35/157 (2006.01) B01D 24/28 (2006.01) B01D 29/60 (2006.01) B01D 37/04 (2006.01)**
[25] EN
[54] **FILTRATION SYSTEM UTILIZING ACTUATED FLOW CONTROL VALVE**
[54] **SYSTEME DE FILTRATION UTILISANT UNE SOUPEPE DE REGULATION DE DEBIT ACTIONNEE**
[72] LALLI, JASON D., US
[73] LALLI, JASON D., US
[85] 2018-01-23
[86] 2016-07-14 (PCT/US2016/042226)
[87] (WO2017/019309)
[30] US (14/808,891) 2015-07-24

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[13] C

[51] **Int.Cl. C30B 33/00 (2006.01) C01B 32/15 (2017.01) C04B 35/524 (2006.01) C08J 7/04 (2020.01)**

[25] EN

[54] **PROCESSES FOR PREPARING AMINE-FUNCTIONALIZED CELLULOSE NANOCRYSTALS AND NITROGEN DOPED CARBON NANOFIBERS**

[54] **PROCEDES DE PREPARATION DE NANOCRISTAUX DE CELLULOSE A FONCTIONNALITE AMINE ET DE NANOFIBRES DE CARBONE DOPEES A L'AZOTE**

[72] SHI, ZENGQIAN, CA
[72] WU, XINYUN, CA
[72] TAM, KAM CHIU, CA
[72] BERRY, RICHARD, CA
[73] SHI, ZENGQIAN, CA
[73] WU, XINYUN, CA
[73] TAM, KAM CHIU, CA
[85] 2018-01-24
[86] 2016-07-28 (PCT/CA2016/050888)
[87] (WO2017/015761)
[30] US (62/197,815) 2015-07-28

[11] **2,993,585**
[13] C

[51] **Int.Cl. G06Q 20/00 (2012.01)**

[25] EN

[54] **FUND MANAGEMENT SERVER, DATA PROCESSING METHOD AND SYSTEM FOR CERTIFICATE ISSUES AND INVITATION**

[54] **SERVEUR DE GESTION DE FONDS, PROCEDE DE TRAITEMENT DE DONNEES ET SYSTEMES D'INVITATION A LA DELIVRANCE DE CERTIFICAT**

[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-22
[86] 2015-07-21 (PCT/CN2015/084586)
[87] (WO2017/012017)

[11] **2,994,570**
[13] C

[51] **Int.Cl. G07F 19/00 (2006.01)**

[25] EN

[54] **ELECTRONIC CERTIFICATE-BASED DISCOUNT METHOD AND DEVICE**

[54] **PROCEDE ET DISPOSITIF DE RABAIS BASE SUR UN CERTIFICAT ELECTRONIQUE**

[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-02-02
[86] 2015-07-21 (PCT/CN2015/084616)
[87] (WO2017/012035)

[11] **2,994,886**
[13] C

[51] **Int.Cl. G06Q 20/00 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR SETTING CUMULATIVE EFFECTIVE PERIOD**

[54] **PROCEDE ET SYSTEME POUR L'ETABLISSEMENT DE PERIODE EFFECTIVE CUMULATIVE**

[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-02-06
[86] 2015-07-21 (PCT/CN2015/084597)
[87] (WO2017/012028)

[11] **2,995,402**
[13] C

[51] **Int.Cl. H02G 1/02 (2006.01) H02G 7/00 (2006.01)**

[25] EN

[54] **LIVE CONDUCTOR STRINGING, MAINTENANCE AND REPAIR METHOD**

[54] **PROCEDE DE DEROULAGE, D'ENTRETIEN ET DE REPARATION DE CONDUCTEURS SOUS TENSION**

[72] O'CONNELL, DANIEL NEIL, CA
[72] WABNEGGER, DAVID KARL, CA
[72] QUAEDVLIIEG, PHILLIP HOWARD, CA
[72] PALMER, ROBERT WAYNE, US
[73] QUANTA ASSOCIATES, L.P., US
[85] 2018-02-09
[86] 2016-08-12 (PCT/US2016/046844)
[87] (WO2017/027825)
[30] US (62/204,037) 2015-08-12

[11] **2,997,319**
[13] C

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/117 (2010.01) C07K 16/18 (2006.01)**

[25] EN

[54] **COMBINATION COMPRISING IMMUNOSTIMULATORY OLIGONUCLEOTIDES**

[54] **COMBINAISON COMPRENANT DES OLIGONUCLEOTIDES IMMUNOSTIMULATEURS**

[72] SCHROFF, MATTHIAS, DE
[72] SCHMIDT, MANUEL, DE
[72] KAPP, KERSTIN, DE
[72] ZURLO, ALFREDO, IT
[73] GILEAD SCIENCES, INC., US
[85] 2018-03-02
[86] 2016-09-09 (PCT/EP2016/071314)
[87] (WO2017/042336)
[30] LU (92821) 2015-09-09

[11] **2,998,029**
[13] C

[51] **Int.Cl. G02B 27/01 (2006.01)**

[25] EN

[54] **MICROLENS COLLIMATOR FOR SCANNING OPTICAL FIBER IN VIRTUAL/AUGMENTED REALITY SYSTEM**

[54] **COLLIMATEUR DE MICROLENTILLE POUR FIBRE OPTIQUE DE BALAYAGE DANS UN SYSTEME DE REALITE VIRTUELLE/AUGMENTEE**

[72] SCHOWENGERDT, BRIAN T., US
[72] EDWIN, LIONEL ERNEST, US
[72] YEOH, IVAN L., US
[72] SCHUELKE, AARON MARK, US
[72] WELCH, WILLIAM HUDSON, US
[72] MACNAMARA, JOHN GRAHAM, US
[73] MAGIC LEAP, INC., US
[85] 2018-03-07
[86] 2016-10-05 (PCT/US2016/055539)
[87] (WO2017/062483)
[30] US (62/237,189) 2015-10-05

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[11] **2,998,104**
[13] C

[51] **Int.Cl. H02J 3/18 (2006.01)**
[25] EN
[54] **GRID TIED, REAL TIME
ADAPTIVE, DISTRIBUTED
INTERMITTENT POWER**

[54] **ENERGIE ELECTRIQUE
INTERMITTENTE DISTRIBUEE,
ADAPTATIVE EN TEMPS REEL,
LIEE A UN RESEAU**

[72] DEBONE, CHRISTOPHER ROBERT,
US

[72] GODMERE, STEVEN PETER, US
[73] PINEAPPLE ENERGY LLC, US
[85] 2018-03-08
[86] 2015-09-04 (PCT/US2015/048734)
[87] (WO2016/040196)
[30] US (62/047,590) 2014-09-08
[30] US (62/130,589) 2015-03-09
[30] US (14/796,987) 2015-07-10
[30] US (PCT/US2015/040058) 2015-07-10

[11] **2,998,587**
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) G01N
33/569 (2006.01) G01N 33/80
(2006.01)**

[25] EN
[54] **DEVICE AND SYSTEM FOR
ANALYZING A SAMPLE,
PARTICULARLY BLOOD, AS
WELL AS METHODS OF USING
THE SAME**

[54] **DISPOSITIF ET SYSTEME POUR
ANALYSER UN ECHANTILLON,
EN PARTICULIER DU SANG ET
PROCEDES POUR LES UTILISER**

[72] CHOU, STEPHEN Y., US
[72] DING, WEI, US
[73] ESSENLIIX CORP., US
[85] 2018-03-13
[86] 2016-09-14 (PCT/US2016/051775)
[87] (WO2017/048871)
[30] US (62/218,455) 2015-09-14
[30] US (62/293,188) 2016-02-09
[30] US (62/305,123) 2016-03-08
[30] US (62/369,181) 2016-07-31
[30] US (PCT/US2016/046437) 2016-08-10

[11] **3,000,344**
[13] C

[51] **Int.Cl. B32B 37/00 (2006.01) B32B
5/02 (2006.01) B32B 5/12 (2006.01)
B32B 41/00 (2006.01)**

[25] EN
[54] **HIGH SPEED COMPOSITE LAYUP
VIA MULTIPLE MACHINES**

[54] **SUPERPOSITION DE COMPOSITE
HAUTE VITESSE AU MOYEN DE
PLUSIEURS MACHINES**

[72] STONE, PAUL R., US
[72] TAYLOR, WILLIAM RALPH, US
[73] THE BOEING COMPANY, US
[86] (3000344)
[87] (3000344)
[22] 2018-04-04
[30] US (15/606498) 2017-05-26

[11] **3,002,256**
[13] C

[51] **Int.Cl. A47C 17/02 (2006.01) A47B
87/00 (2006.01)**

[25] EN
[54] **RECONFIGURABLE SOFA**

[54] **CANAPE RECONFIGURABLE**

[72] POLICICCHIO, BRUNO, US
[73] MAX HOME, LLC, US
[86] (3002256)
[87] (3002256)
[22] 2018-04-20
[30] US (62/487,551) 2017-04-20

[11] **3,002,630**
[13] C

[51] **Int.Cl. G08G 1/14 (2006.01) B60R
21/00 (2006.01) B60W 30/06 (2006.01)**

[25] EN
[54] **PARKING SUPPORT METHOD
AND PARKING SUPPORT DEVICE**

[54] **PROCEDE D'AIDE AU
STATIONNEMENT ET
DISPOSITIF D'AIDE AU
STATIONNEMENT**

[72] HAYAKAWA, YASUHISA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-19
[86] 2015-10-22 (PCT/JP2015/079888)
[87] (WO2017/068694)

[11] **3,002,636**
[13] C

[51] **Int.Cl. G08G 1/14 (2006.01)**
[25] EN
[54] **PARKING SUPPORT
INFORMATION DISPLAY
METHOD AND PARKING
SUPPORT DEVICE**

[54] **PROCEDE D'AFFICHAGE
D'INFORMATIONS D'AIDE AU
STATIONNEMENT ET
DISPOSITIF D'AIDE AU
STATIONNEMENT**

[72] HAYAKAWA, YASUHISA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-19
[86] 2015-10-22 (PCT/JP2015/079890)
[87] (WO2017/068696)

[11] **3,004,201**
[13] C

[51] **Int.Cl. A61M 25/01 (2006.01) A61L
29/14 (2006.01) A61M 25/00 (2006.01)**

[25] EN
[54] **STEERABLE INTRA-LUMINAL
MEDICAL DEVICE**

[54] **DISPOSITIF MEDICAL
INTRALUMINAL ORIENTABLE**

[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] PALMRE, VILJAR, US
[73] BOARD OF REGENTS OF THE
UNIVERSITY OF TEXAS SYSTEM,
US

[85] 2018-05-02
[86] 2017-02-03 (PCT/US2017/016513)
[87] (WO2017/136729)
[30] US (62/292,064) 2016-02-05

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[11] **3,005,492**
[13] C

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 47/26 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **NOVEL PHARMACEUTICAL COMPOSITION COMPRISING PARTICLES COMPRISING A COMPLEX OF A DOUBLE-STRANDED POLYRIBONUCLEOTIDE AND A POLYALKYLENEIMINE**

[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE COMPRENANT UN COMPLEXE CONSTITUE D'UN POLYRIBONUCLEOTIDE BICATENAIRE ET D'UNE POLYALKYLENEIMINE**

[72] POZUELO RUBIO, MERCEDES, ES

[72] QUINTERO ORTIZ, MARISOL, ES

[72] VILLANUEVA GARCIA, ANA, ES

[73] HIGHLIGHT THERAPEUTICS, S.L., ES

[85] 2018-05-16

[86] 2016-11-17 (PCT/EP2016/078078)

[87] (WO2017/085228)

[30] EP (15194864.3) 2015-11-17

[11] **3,006,256**
[13] C

[51] **Int.Cl. A01N 47/12 (2006.01) A01N 25/00 (2006.01) A01N 25/04 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **AQUEOUS PYRIBENCARB SUSPENSION COMPOSITION AND DISPERSAL METHOD**

[54] **COMPOSITION AQUEUSE DE SUSPENSION DE PYRIBENCARB ET METHODE DE DISPERSION**

[72] OHTA, YUICHIRO, JP

[72] YAMAZAKI, TOSHINOBU, JP

[73] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP

[85] 2018-05-24

[86] 2016-11-28 (PCT/JP2016/085219)

[87] (WO2017/094677)

[30] JP (2015-234179) 2015-11-30

[11] **3,006,469**
[13] C

[51] **Int.Cl. C07D 401/10 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**

[25] EN

[54] **METALLOENZYME INHIBITOR COMPOUNDS**

[54] **COMPOSES INHIBITEURS DE METALLO-ENZYMES**

[72] YATES, CHRISTOPHER M., US

[72] SHAVER, SAMMY R., US

[72] HOEKSTRA, WILLIAM J., US

[73] NQP 1598 LTD., US

[85] 2018-05-25

[86] 2016-12-29 (PCT/US2016/069217)

[87] (WO2017/117393)

[30] US (62/273,167) 2015-12-30

[11] **3,006,893**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/31 (2013.01)**

[25] EN

[54] **DIGITAL IDENTITY NETWORK INTERFACE SYSTEM**

[54] **SYSTEME D'INTERFACE RESEAU D'IDENTITE NUMERIQUE**

[72] CLARKE, MALCOLM, CA

[72] LAM, BRIAN ANDREW, CA

[73] THE TORONTO-DOMINION BANK, CA

[86] (3006893)

[87] (3006893)

[22] 2018-06-01

[30] US (62/573,848) 2017-10-18

[30] US (62/555,148) 2017-09-07

[11] **3,007,327**
[13] C

[51] **Int.Cl. G08B 5/22 (2006.01)**

[25] EN

[54] **ADAPTIVE, MULTIMODAL COMMUNICATION SYSTEM FOR NON-SPEAKING ICU PATIENTS**

[54] **SYSTEME DE COMMUNICATION MULTIMODE ADAPTATIF POUR PATIENTS EN UNITE DE SOINS INTENSIFS NE PARLANT PAS**

[72] MADSEN, MIRIAM, US

[73] UNIVERSITY OF MASSACHUSETTS, US

[85] 2018-06-01

[86] 2016-12-12 (PCT/US2016/066081)

[87] (WO2017/100737)

[30] US (62/266,558) 2015-12-11

[11] **3,008,648**
[13] C

[51] **Int.Cl. C07C 217/28 (2006.01) A01N 25/12 (2006.01) C07C 215/12 (2006.01)**

[25] EN

[54] **DENDRIMER AND FORMULATIONS THEREOF**

[54] **DENDRIMERE ET FORMULATIONS DE CEUX-CI**

[72] VARDHAN, HARSH, AU

[72] RAJESH, SARIGAMA, AU

[72] KARELLAS, PETER, AU

[73] PRIOSTAR PTY LTD, AU

[73] DENDRITIC NANOTECHNOLOGIES, INC., US

[85] 2018-06-15

[86] 2016-12-16 (PCT/AU2016/051246)

[87] (WO2017/100856)

[30] AU (2015905221) 2015-12-16

[11] **3,010,361**
[13] C

[51] **Int.Cl. H02J 50/80 (2016.01) A61N 1/378 (2006.01) G05F 1/10 (2006.01)**

[25] EN

[54] **AN IMPROVED MEDICAL SYSTEM COMPRISING IMPLANTS**

[54] **SYSTEME MEDICAL IMPLANTE COMPRENANT DES IMPLANTS**

[72] FORSELL, PETER, CH

[73] IMPLANTICA PATENT LTD., MT

[86] (3010361)

[87] (3010361)

[22] 2010-07-19

[62] 2,805,339

[30] US (61/213,805) 2009-07-17

[30] SE (0901002-6) 2009-07-17

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[11] **3,010,803**
[13] C

[51] **Int.Cl. G06F 3/0483 (2013.01)**
[25] EN
[54] **MACHINE LEARNING BASED
WEBINTERFACE GENERATION
AND TESTING SYSTEM**
[54] **SYSTEME DE GENERATION ET
DE TEST D'UNE INTERFACE WEB
SUR LA BASE D'UN
APPRENTISSAGE MACHINE**
[72] ISCOE, NEIL, US
[72] MIKKULAINEN, RISTO, US
[73] EVOLV TECHNOLOGY
SOLUTIONS, INC., BB
[85] 2018-07-06
[86] 2017-01-05 (PCT/IB2017/050043)
[87] (WO2017/118936)
[30] US (62/275,074) 2016-01-05
[30] US (62/275,058) 2016-01-05

[11] **3,011,638**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K
38/18 (2006.01)**
[25] EN
[54] **LIQUID FORMULATION OF A
VEGF ANTAGONIST**
[54] **FORMULATION LIQUIDE D'UN
ANTAGONISTE DU VEGF**
[72] SIGL, RAINER, DE
[73] FORMYCON AG, DE
[85] 2018-07-17
[86] 2017-01-26 (PCT/EP2017/051662)
[87] (WO2017/129685)
[30] EP (16152767.6) 2016-01-26
[30] EP (16199497.5) 2016-11-18

[11] **3,011,741**
[13] C

[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **ENCODING OF MULTIPLE AUDIO
SIGNALS**
[54] **CODAGE DE SIGNAUX AUDIO
MULTIPLES**
[72] CHEBIYYAM, VENKATA
SUBRAHMANYAM CHANDRA
SEKHAR, US
[72] ATTI, VENKATRAMAN, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-07-17
[86] 2017-02-03 (PCT/US2017/016418)
[87] (WO2017/139190)
[30] US (62/294,946) 2016-02-12
[30] US (15/422,988) 2017-02-02

[11] **3,012,499**
[13] C

[51] **Int.Cl. G01S 19/22 (2010.01)**
[25] EN
[54] **METHOD FOR OPERATING A
GNSS RECEIVER, WITH GNSS
SIGNAL DESELECTION**
[54] **METHODE D'UTILISATION DE
RECEPTEUR GNSS, AVEC
DESELECTION DE SIGNAL GNSS**
[72] SCHUTTPELZ, ANDRE, DE
[72] KALBERER, ULRICH, DE
[73] THALES MANAGEMENT &
SERVICES DEUTSCHLAND GMBH,
DE
[86] (3012499)
[87] (3012499)
[22] 2018-07-26
[30] EP (17 184 536.5) 2017-08-02

[11] **3,014,979**
[13] C

[51] **Int.Cl. G10L 15/22 (2006.01) G10L
17/22 (2013.01) G10L 17/24 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR
TRANSFERRING A SESSION
BETWEEN AUDIBLE INTERFACE
AND VISUAL INTERFACE**
[54] **PROCEDES ET SYSTEMES POUR
TRANSFERER UNE SESSION
ENTRE UNE INTERFACE
SONORE ET UNE INTERFACE
VISUELLE**
[72] SARIR, NASIM, CA
[72] GERVAIS, STEVE, CA
[72] HORVATH, PETER, CA
[72] RAI, EKAS, CA
[72] ALEXANDER, PETER, CA
[72] JAGGA, ARUN VICTOR, CA
[73] THE TORONTO-DOMINION BANK,
CA
[86] (3014979)
[87] (3014979)
[22] 2018-08-17

[11] **3,015,465**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **SETTLEMENT SYSTEM AND
SETTLEMENT METHOD**
[54] **SYSTEME DE REGLEMENT ET
PROCEDE DE REGLEMENT**
[72] ARIKAWA, SHINICHIROU, JP
[72] FUJIYOSHI, EIJI, JP
[73] 10353744 CANADA LTD., CA
[86] (3015465)
[87] (3015465)
[22] 2014-12-24
[62] 3,009,596

[11] **3,018,227**
[13] C

[51] **Int.Cl. F16J 15/16 (2006.01) B64D
33/04 (2006.01) F16J 15/44 (2006.01)**
[25] EN
[54] **SEAL SYSTEM FOR VARIABLE
GEOMETRY GAPS IN AIRCRAFT
SYSTEMS**
[54] **SYSTEME DE JOINT DESTINE A
DES ECARTEMENTS A
GEOMETRIE VARIABLE DANS
LES SYSTEMES D'AERONEF**
[72] GEORGE, NEVIN M., US
[73] THE BOEING COMPANY, US
[86] (3018227)
[87] (3018227)
[22] 2018-09-20
[30] US (15/788539) 2017-10-19

[11] **3,018,628**
[13] C

[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **METERED DOSE INHALER
OBSERVANCE ADD-ON DEVICE**
[54] **DISPOSITIF ACCESSOIRE
D'OBSERVATION D'AEROSOL-
DOSEUR**
[72] MARCOZ, ALAIN, FR
[72] JEZ, EMMANUEL, FR
[72] DIOGO, SYLVAIN, FR
[72] GOURBET, PATRICE, FR
[72] PEREIRA, ALEXANDRE, FR
[72] POLLARD, MATHIEU, FR
[72] GILLET, KEVIN, FR
[73] BIOCORP PRODUCTION S.A, FR
[85] 2018-09-21
[86] 2016-04-12 (PCT/IB2016/052070)
[87] (WO2017/178865)

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[11] **3,021,731**
[13] C

- [51] **Int.Cl. G01K 15/00 (2006.01) H04W 4/38 (2018.01) G01R 31/55 (2020.01) A01F 25/00 (2006.01) G01N 37/00 (2006.01) H04B 1/59 (2006.01)**
- [25] EN
- [54] **SENSOR CABLE SETUP METHOD AND COMPUTER-READABLE MEDIUM FOR SETTING UP SENSOR CABLES IN GRAIN BIN**
- [54] **METHODE D'INSTALLATION D'UN CABLE DE CAPTEUR ET SUPPORT INFORMATIQUE D'INSTALLATION DE CABLES DE CAPTEUR DANS UN BAC A GRAINS**
- [72] LEAFLOOR, ERRON, CA
[72] NIMEGEERS, CRAIG, CA
[73] AG GROWTH INTERNATIONAL INC., CA
- [86] (3021731)
[87] (3021731)
[22] 2018-10-22
[30] US (62/575,400) 2017-10-21

[11] **3,022,550**
[13] C

- [51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/441 (2006.01)**
- [25] EN
- [54] **OSTOMY POUCH WITH TORTUOUS PATH**
- [54] **POCHE DE STOMIE A TRAJET TORTUEUX**
- [72] GIVENS, WILLIAM, US
[72] SADIK, ADEL M., US
[73] HOLLISTER INCORPORATED, US
- [85] 2018-10-29
[86] 2017-05-03 (PCT/US2017/030789)
[87] (WO2017/192685)
[30] US (62/331,605) 2016-05-04

[11] **3,022,593**
[13] C

- [51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/448 (2006.01)**
- [25] EN
- [54] **PERFORATED OSTOMY BARRIER EXTENDER**
- [54] **EXTENSEUR DE BARRIERE DE STOMIE PERFORE**
- [72] JONES, SUSAN R., US
[72] CAPAUL, JENNIFER A., US
[72] AUGUSTYN, CHRISTINA, US
[73] HOLLISTER INCORPORATED, US
- [85] 2018-10-29
[86] 2017-05-03 (PCT/US2017/030761)
[87] (WO2017/192669)
[30] US (62/331,119) 2016-05-03

[11] **3,022,629**
[13] C

- [51] **Int.Cl. C09D 183/06 (2006.01) C08F 299/08 (2006.01) C08G 77/08 (2006.01)**
- [25] FR
- [54] **METHOD FOR THE PREPARATION OF ORGANOPOLYSILOXANES HAVING (METH)ACRYLATE FUNCTIONS**
- [54] **PROCEDE DE PREPARATION D'ORGANOPOLYSILOXANES AVEC DES FONCTIONS (METH)ACRYLATES**
- [72] MALIVERNEY, CHRISTIAN, FR
[72] BACHIR, HASSENE, FR
[73] ELKEM SILICONES FRANCE SAS, FR
- [85] 2018-10-29
[86] 2017-05-02 (PCT/FR2017/000079)
[87] (WO2017/187030)
[30] FR (16 00717) 2016-04-29

[11] **3,023,582**
[13] C

- [51] **Int.Cl. G06Q 40/04 (2012.01)**
- [25] EN
- [54] **SECURITIES TRADING MANAGEMENT SYSTEM**
- [54] **SYSTEME DE GESTION D'ECHANGE DE TITRES**
- [72] TSUNODA, MITSUHIRO, JP
[72] OHTSUBO, HIDEAKI, JP
[72] KAJIMOTO, SHUNOSUKE, JP
[72] HASHIMOTO, YOSHICHIKA, JP
[72] TANAKA, TAKAHIRO, JP
[72] SHIMOKAJI, YUICHIRO, JP
[72] FUKUI, SHIGENARI, JP
[72] OZEKI, TAKASHI, JP
[72] TAGUCHI, HISAKO, JP
[73] 10353744 CANADA LTD., CA
- [85] 2018-11-08
[86] 2015-05-26 (PCT/JP2015/065148)
[87] (WO2016/189672)

[11] **3,025,155**
[13] C

- [51] **Int.Cl. B62B 7/06 (2006.01)**
- [25] EN
- [54] **UNIVERSAL CONSTRUCTION STROLLER**
- [54] **POUSSETTE DE CONSTRUCTION UNIVERSELLE**
- [72] ZHAO, JIE, US
[72] BENNETT, JOEL HYRUM, US
[72] HOOVER, BRANDON CORY, US
[72] CALVERT, MICHAEL E., US
[73] BRITAX CHILD SAFETY, INC., US
- [86] (3025155)
[87] (3025155)
[22] 2018-11-22
[30] US (62/595,286) 2017-12-06

[11] **3,027,232**
[13] C

- [51] **Int.Cl. E01F 9/00 (2016.01) E04H 12/00 (2006.01) E04H 12/22 (2006.01)**
- [25] EN
- [54] **COLLAR AND ANCHOR KITS**
- [54] **COLLIER ET KITS D'ANCRES**
- [72] BRUCE, DAVID ALAN, US
[72] PENDERGRAST, ANDREW ERVIN, US
[72] HERRON, JASON WAYNE, US
[72] HAACKE, PAGE, US
[73] HUBBELL INCORPORATED, US
- [85] 2018-12-10
[86] 2017-06-29 (PCT/US2017/040088)
[87] (WO2018/005857)
[30] US (62/356,270) 2016-06-29

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[11] **3,027,868**
[13] C

[51] **Int.Cl. E21B 3/02 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **WELLBORE DRILLING WITH A TOP DRIVE DEVICE**
[54] **FORAGE DE Puits DE FORAGE AVEC UN DISPOSITIF D'ENTRAINEMENT SUPERIEUR**
[72] VAN DUIVENDIJK, PIETER DIRK MELIS, NL
[72] WIJNING, DIEDERICK BERNARDUS, NL
[72] MAX, NICOLAAS THIJIS PIETER, NL
[72] BAKKER, JASPER HENDRIK FRANK, NL
[72] ROODENBURG, JOOP, NL
[72] VAN SWIETEN, ADRIAAN, NL
[73] ITREC B.V., NL
[85] 2018-12-14
[86] 2017-06-15 (PCT/NL2017/050396)
[87] (WO2017/217848)
[30] NL (2016971) 2016-06-15
[30] NL (PCT/NL2016/050697) 2016-10-07
[30] NL (PCT/NL2017/050165) 2017-03-16

[11] **3,027,888**
[13] C

[51] **Int.Cl. G01S 19/07 (2010.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING TROPOSPHERIC EFFECTS IN GNSS POSITIONING**
[54] **PROCEDE ET APPAREIL DE REDUCTION DES EFFETS TROPOSPHERIQUES DANS LE POSITIONNEMENT PAR GNSS**
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[73] RX NETWORKS INC., CA
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[87] (WO2017/219126)
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[13] C

[51] **Int.Cl. H04L 67/1097 (2022.01) G06Q 50/30 (2012.01) G06F 16/27 (2019.01)**
[25] EN
[54] **BLOCKCHAIN CONFIGURATION HISTORY FOR AIRCRAFT MAINTENANCE, MODIFICATION, AND ACTIVITY TRACKING**
[54] **HISTORIQUE DE CONFIGURATION DE CHAINE DE BLOCS DESTINEE A LA MAINTENANCE, LA MODIFICATION ET LE SUIVI D'ACTIVITE D'UN AERONEF**
[72] JONES, NICHOLAS WILLIAM, US
[73] THE BOEING COMPANY, US
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[87] (3028557)
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[11] **3,029,421**
[13] C

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[25] EN
[54] **CABLE CARRIER GUIDE**
[54] **GUIDE DE PORTE-CABLE**
[72] O'BRIEN, JAY, US
[73] DYNATECT MANUFACTURING, INC., US
[86] (3029421)
[87] (3029421)
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[54] **A METHOD AND RELATIVE APPARATUS FOR THE PRODUCTION OF BEER**
[54] **PROCEDE ET APPAREIL ASSOCIE DESTINES A LA PRODUCTION DE BIERE**
[72] MENEGUZZO, FRANCESCO, IT
[72] ALBANESE, LORENZO, IT
[73] CAVITEK S.R.L., IT
[85] 2019-01-08
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[54] **ROBOTIC ARM CAMERA SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE PORTANT SUR UNE CAMERA INSTALLEE SUR UN BRAS ROBOTIQUE**
[72] PAQUIN, VINCENT, CA
[72] LACASSE, MARC-ANTOINE, CA
[72] DROLET-MIHELIC, YAN, CA
[72] MERCIER, JEAN-PHILIPPE, CA
[73] ROBOTIQ INC., CA
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[87] (3030734)
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[11] **3,032,085**
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[54] **QUANTUM OPERATIONS WITH PASSIVE NOISE SUPPRESSION**
[54] **OPERATIONS QUANTIQUES A SUPPRESSION PASSIVE DU BRUIT**
[72] EPSTEIN, RYAN J., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[25] EN
[54] **METHOD AND APPARATUS FOR HIGH SPEED PROCESSING OF FINANCIAL INFORMATION FOR FINANCIAL RECORD MANAGEMENT**
[54] **METHODE ET APPAREIL DE TRAITEMENT HAUTE VITESSE DE RENSEIGNEMENTS FINANCIERS A DES FINS DE GESTION DE DOCUMENTATION FINANCIERE**
[72] PARSONS, SCOTT, US
[72] TAYLOR, DAVID E., US
[72] SCHUEHLER, DAVID VINCENT, US
[72] FRANKLIN, MARK A., US
[72] CHAMBERLAIN, ROGER D., US
[73] EXEGY INCORPORATED, US
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[25] EN
[54] **GRID REGULATION SERVICES FOR ENERGY STORAGE DEVICES BASED ON GRID FREQUENCY**
[54] **SERVICES DE REGULATION DU RESEAU ELECTRIQUE DESTINES A DES DISPOSITIFS DE STOCKAGE D'ENERGIE BASES SUR LA FREQUENCE DU RESEAU ELECTRIQUE**
[72] HAMMERSTROM, DONALD J., US
[72] KINTNER-MEYER, MICHAEL C.W., US
[72] PRATT, RICHARD M., US
[72] TUFFNER, FRANCIS K., US
[73] BATTTELLE MEMORIAL INSTITUTE, US
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[25] EN
[54] **SYSTEM FOR BUILDING AND MODELING WEB PAGES**
[54] **SYSTEME D'ETABLISSEMENT ET DE MODELISATION DE PAGES WEB**
[72] SOLIS, CARL, US
[73] SERVICENOW, INC., US
[86] (3034400)
[87] (3034400)
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[30] US (62/635,161) 2018-02-26
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[25] EN
[54] **TILTED ILLUMINATION SYSTEMS FOR FLUORESCENCE MICROSCOPES**
[54] **SYSTEMES D'ECLAIRAGE INCLINE DESTINES A DES MICROSCOPES A FLUORESCENCE**
[72] MADDOX, PAUL SAMUEL, US
[72] FADERO, TANNER CHRISTIAN, US
[73] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2019-03-04
[86] 2017-09-11 (PCT/US2017/050914)
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[30] US (62/385,460) 2016-09-09

[11] **3,036,492**
[13] C

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[25] EN
[54] **IMAGING SYSTEM AND METHOD FOR USE IN SURGICAL AND INTERVENTIONAL MEDICAL PROCEDURES**
[54] **SYSTEME ET PROCEDE D'IMAGERIE A UTILISER DANS DES PROCEDURES CHIRURGICALES ET DES INTERVENTIONS MEDICALES**
[72] ISAACS, ROBERT E., US
[72] JOHNSTON, SAMUEL MORRIS, US
[73] NUVASIVE, INC., US
[86] (3036492)
[87] (3036492)
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[25] EN
[54] **WEATHER RESISTANT TUMBLER LOCK AND SYSTEM**
[54] **SERRURE A BARILLET RESISTANT AUX INTEMPERIES, ET SYSTEME**
[72] MCLEOD, JOHN, CA
[72] SABELLI, TONINO, CA
[73] 2603701 ONTARIO INC., CA
[86] (3038308)
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[54] **SEQUENCES CONSERVEES DU VHB ET DU VHC UTILES POUR LE SILENCAGE GENIQUE**

[72] PACHUK, CATHERINE J., US

[72] SATISHCHANDRAN, C., US

[72] ZURAWSKI, VINCENT R., JR., US

[72] MINTZ, LIAT, US

[73] ALNYLAM PHARMACEUTICALS, INC., US

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[54] **PARTICLE BLAST APPARATUS**

[54] **APPAREIL DE SOUFFLAGE DE PARTICULES**

[72] MALLALEY, DANIEL, US

[72] BROECKER, RICHARD JOSEPH, US

[73] COLD JET, LLC, US

[86] (3040754)

[87] (3040754)

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[54] **VEHICLE SOFA-BED AND METHOD OF USE**

[54] **SOFA-LIT DE VEHICULE ET PROCEDE D'UTILISATION**

[72] SLATER, DAVID, US

[73] PREMIER PRODUCTS, INC., US

[86] (3041864)

[87] (3041864)

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[30] US (16/115,702) 2018-08-29

[11] **3,043,020**
[13] C

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[54] **LOW-VOLTAGE IMPEDANCE CHECK PULSE GENERATOR**

[54] **GENERATEUR D'IMPULSIONS DE VERIFICATION D'IMPEDANCE BASSE TENSION**

[72] ATHOS, BRIAN G., US

[72] DANITZ, DAVID J., US

[72] KREIS, MARK P., US

[72] UECKER, DARRIN R., US

[73] PULSE BIOSCIENCES, INC., US

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[54] **REFRIGERANT, HEAT TRANSFER COMPOSITIONS, METHODS, AND SYSTEMS**

[54] **REFRIGERANT, COMPOSITIONS, PROCEDES ET SYSTEMES DE TRANSFERT DE CHALEUR**

[72] CLOSE, JOSHUA, US

[72] SETHI, ANKIT, US

[72] YANA MOTTA, SAMUEL F., US

[72] PETERSEN, MICHAEL, US

[72] POTTKER, GUSTAVO, US

[72] VOGL, RONALD PETER, US

[73] HONEYWELL INTERNATIONAL INC., US

[85] 2019-05-09

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[11] **3,044,171**
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[25] EN

[54] **BATTERY ARRAY SAFETY COVER FOR AN ENERGY STORAGE SYSTEM**

[54] **REVETEMENT SECURITAIRE DE RESEAU DE BATTERIES DESTINE A UN SYSTEME DE STOCKAGE D'ENERGIE**

[72] MASKEW, BRIAN J., US

[72] BENNETT, SCOTT K., US

[72] BAXTER, LEONARD F., II, US

[73] ALLISON TRANSMISSION, INC., US

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[11] **3,046,803**
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[25] EN

[54] **LIVESTOCK BIOSECURITY SYSTEM AND METHOD OF USE**

[54] **SYSTEME DE BIOSECURITE DU BETAIL ET PROCEDE D'UTILISATION**

[72] NOVERO, ANTHONY K., US

[72] NOVERO, RONALD L., US

[73] NOVETECHNOLOGIES, LLC, US

[85] 2019-06-11

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[25] EN
[54] **CROSSBOW WITH DETACHABLE LIMB ASSEMBLY**
[54] **ARBALETE AYANT UN ENSEMBLE DE MEMBRES AMOVIBLES**
[72] EGERDEE, KYLE WILLIAM, CA
[72] LANGDON, STEPHEN DONALD, CA
[73] EXCALIBUR CROSSBOW, LLC, CA
[86] (3048251)
[87] (3048251)
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[30] US (16/224,764) 2018-12-18

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[54] **POLE SETTING DEVICE AND METHOD OF USING THE SAME**
[54] **DISPOSITIF D'INSTALLATION DE POTEAU ET SON PROCEDE D'UTILISATION**
[72] MOORE, LUCAS MICHAEL, US
[72] SIMPSON, DOUGLAS EDWARD, US
[72] CHURCH, LOWELL WADE, US
[73] QUANTA ASSOCIATES, L.P., US
[85] 2019-06-28
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[25] EN
[54] **LIBRARIES OF GENETIC PACKAGES COMPRISING NOVEL HC CDR1, CDR2, AND CDR3 AND NOVEL LC CDR1, CDR2, AND CDR3 DESIGNS**
[54] **BIBLIOTHEQUES DE MATERIELS GENETIQUES COMPRENANT DE NOUVELLES CONCEPTIONS CDR1, CDR2 ET CDR3 HC ET DE NOUVELLES CONCEPTIONS CDR1, CDR2 ET CDR3 LC**
[72] LADNER, ROBERT C., US
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[25] EN
[54] **SYSTEM AND METHOD FOR INTELLIGENT TRAFFIC STOP CLASSIFIER LOADING**
[54] **SYSTEME ET PROCEDE DE CHARGEMENT INTELLIGENT D'UN CLASSIFICATEUR DE CONTROLE ROUTIER**
[72] KOSKAN, PATRICK D., US
[72] BLANCO, ALEJANDRO G., US
[72] SABRIPOUR, SHERVIN, US
[72] ALAZRAKI, SCOTT M., US
[72] TEALDI, DANIEL A., US
[72] PRESTON, JOHN B., US
[73] MOTOROLA SOLUTIONS, INC., US
[86] (3051954)
[87] (3051954)
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[30] US (16/117033) 2018-08-30

[11] **3,052,245**

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[25] EN
[54] **METHOD FOR AUTOMATED SIEM CUSTOM CORRELATION RULE GENERATION THROUGH INTERACTIVE NETWORK VISUALIZATION**
[54] **PROCEDE DE GENERATION AUTOMATISEE DE REGLE DE CORRELATION PERSONNALISEE DE SIEM PAR VISUALISATION DE RESEAU INTERACTIF**
[72] RAJKUMAR, VISHAL, IN
[73] INTUIT INC., US
[85] 2019-07-31
[86] 2017-04-28 (PCT/US2017/030191)
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[30] IN (201731005413) 2017-02-15
[30] US (15/493,308) 2017-04-21

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- [51] **Int.Cl. H04L 1/00 (2006.01) H04W 74/08 (2009.01) H04J 11/00 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **RECEIVER, METHOD AND NON-TRANSITORY COMPUTER READABLE STORAGE MEDIUM FOR DECODING PACKETS**
[54] **RECEPTEUR, PROCEDE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR NON TRANSITOIRE DESTINES A DES PAQUETS DE DECODAGE**
[72] PAJOVIC, MILUTIN, US
[72] ORLIK, PHILIP, US
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2019-07-31
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[54] **METHOD AND APPARATUS FOR ASSEMBLING A DOUBLE-WALLED CONTAINER**

[54] **PROCEDE ET APPAREIL POUR L'ASSEMBLAGE D'UN RECIPIENT A DOUBLE PAROI**

[72] GARZA, DEAN AARON, US

[72] HILLS, RICHARD ARNOLD, US

[72] WENDT, DANIEL GEORGE, US

[73] DART CONTAINER CORPORATION, US

[86] (3053066)

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[54] **REFRIGERATOR**

[54] **REFRIGERATEUR**

[72] LV, ZHENGGUANG, CN

[72] SHAO, YANG, CN

[72] SI, ZENGQIANG, CN

[72] YANG, GUANGQING, CN

[72] WANG, JINCAI, CN

[73] HEFEI HUALING CO., LTD., CN

[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN

[73] MIDEA GROUP CO., LTD., CN

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[30] CN (201710076911.6) 2017-02-13

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[54] **MEASURING METHOD, BASE STATION, AND TERMINAL**

[54] **PROCEDE DE MESURE, STATION DE BASE ET TERMINAL**

[72] ZHANG, ZHI, CN

[72] XU, HUA, CA

[72] YANG, NING, CN

[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2019-08-12

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[25] EN

[54] **PUMP ASSEMBLY HAVING A CONTROLLER INCLUDING A CIRCUIT BOARD AND 3D ROTARY SENSOR FOR DETECTING ROTATION OF ITS PUMP**

[54] **ENSEMBLE POMPE AYANT UN DISPOSITIF DE COMMANDE COMPRENANT UNE CARTE DE CIRCUITS ET UN CAPTEUR DE ROTATION 3D POUR DETECTER LA ROTATION DE SA POMPE**

[72] WANG, LIPING, CA

[73] STACKPOLE INTERNATIONAL ENGINEERED PRODUCTS, LTD., CA

[85] 2019-08-15

[86] 2018-02-21 (PCT/IB2018/051078)

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[54] **FLYING BODY AND PROGRAM**

[54] **CORPS VOLANT, ET PROGRAMME**

[72] INABA, NORIYASU, JP

[72] OZAWA, SATORU, JP

[72] SUGIMOTO, YOHEI, JP

[73] JAPAN AEROSPACE EXPLORATION AGENCY, JP

[85] 2019-08-20

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[30] JP (2017-034122) 2017-02-24

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[51] **Int.Cl. C25B 9/19 (2021.01) C25B 9/60 (2021.01) C25B 1/04 (2021.01) C25B 13/02 (2006.01)**

[25] EN

[54] **ALKALINE WATER ELECTROLYSIS DEVICE**

[54] **DISPOSITIF D'ELECTROLYSE D'EAU ALCALINE**

[72] OIWA, TAKEHIRO, JP

[72] KAWANISHI, KOJI, JP

[72] IGASHIRA, KENICHIRO, JP

[72] KAMEI, YUJI, JP

[72] ISHIKAWA, NANASE, JP

[72] MANABE, AKIYOSHI, JP

[73] THYSSENKRUPP UHDE CHLORINE ENGINEERS (JAPAN) LTD., JP

[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP

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[25] EN

[54] **SENSOR APPARATUS SYSTEMS, DEVICES AND METHODS**

[54] **SYSTEMES D'APPAREIL DE DETECTION, DISPOSITIFS ET PROCÉDES**

[72] KAMEN, DEAN, US

[72] PERRY, N. CHRISTOPHER, US

[72] DEMERS, JASON A., US

[72] TRACEY, BRIAN, US

[72] CHAWAN, ARUN D., US

[72] GRANT, KEVIN L., US

[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US

[86] (3056513)

[87] (3056513)

[22] 2008-02-27

[62] 2,682,073

[30] US (60/904,024) 2007-02-27

[30] US (60/921,314) 2007-04-02

[30] US (11/871,821) 2007-10-12

[11] **3,056,528**
[13] C

[51] **Int.Cl. B01D 21/24 (2006.01) C02F 1/00 (2006.01) C02F 1/52 (2006.01) C02F 11/00 (2006.01) E03F 5/14 (2006.01)**

[25] EN

[54] **CLOG-RESISTANT INLET FOR A CONDUIT OF A WATER TREATMENT SYSTEM**

[54] **ENTREE RESISTANTE AU BOUCHAGE D'UN CONDUIT DE SYSTEME DE TRAITEMENT DES EAUX**

[72] BRAUCH, JOSEPH K., US

[72] HANSON, CHRISTOPHER D., US

[73] MEURER RESEARCH, INC., US

[86] (3056528)

[87] (3056528)

[22] 2019-09-24

[30] US (16/144,645) 2018-09-27

[11] **3,057,367**
[13] C

[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS, INCLUDING AUTOMATED MOBILE MATRIX BINS**

[54] **SYSTEMES ET PROCÉDES DE TRAITEMENT D'OBJETS, COMPRENANT DES COMPARTIMENTS MATRICIELS MOBILES AUTOMATISES**

[72] WAGNER, THOMAS, US

[72] AHEARN, KEVIN, US

[72] AMEND, JOHN RICHARD JR., US

[72] COHEN, BENJAMIN, US

[72] DAWSON-HAGGERTY, MICHAEL, US

[72] FORT, WILLIAM HARTMAN, US

[72] GEYER, CHRISTOPHER, US

[72] KING, JENNIFER EILEEN, US

[72] KOLETSCSKA, THOMAS, US

[72] KOVAL, MICHAEL CAP, US

[72] MARONEY, KYLE, US

[72] MASON, MATTHEW T., US

[72] MCMAHAN, WILLIAM CHU-HYON, US

[72] PRICE, GENE TEMPLE, US

[72] ROMANO, JOSEPH, US

[72] SMITH, DANIEL, US

[72] SRINIVASA, SIDDHARTHA, US

[72] VELAGAPUDI, PRASANNA, US

[72] ALLEN, THOMAS, US

[73] BERKSHIRE GREY OPERATING COMPANY, INC., US

[85] 2019-09-19

[86] 2018-03-22 (PCT/US2018/023836)

[87] (WO2018/175770)

[30] US (62/475,483) 2017-03-23

[11] **3,057,616**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01)**

[25] EN

[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**

[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCÉDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3057616)

[87] (3057616)

[22] 2015-05-28

[62] 2,988,428

[30] CN (201510218466.3) 2015-04-30

[11] **3,057,537**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01)**

[25] EN

[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**

[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCÉDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3057537)

[87] (3057537)

[22] 2015-05-28

[62] 2,988,428

[30] CN (201510218466.3) 2015-04-30

[11] **3,057,616**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01)**

[25] EN

[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**

[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCÉDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3057616)

[87] (3057616)

[22] 2015-05-28

[62] 2,988,428

[30] CN (201510218466.3) 2015-04-30

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[11] **3,059,322**
[13] C

[51] **Int.Cl. G10L 21/0264 (2013.01) G10L 19/012 (2013.01) G10L 19/032 (2013.01)**

[25] EN

[54] **METHOD, APPARATUS, AND SYSTEM FOR PROCESSING AUDIO DATA**

[54] **PROCEDE, APPAREIL ET SYSTEME POUR TRAITER DES DONNEES AUDIO**

[72] WANG, ZHE, CN

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

[86] (3059322)

[87] (3059322)

[22] 2012-12-28

[62] 2,861,916

[30] CN (201110455836.7) 2011-12-30

[11] **3,059,635**
[13] C

[51] **Int.Cl. E01H 1/00 (2006.01) E01H 1/02 (2006.01) E01H 1/04 (2006.01) E01H 1/05 (2006.01) E01H 1/08 (2006.01)**

[25] EN

[54] **ROADWAY SWEEPER WITH MULTIPLE SWEEPING MODES**

[54] **BALAYEUSE DE CHAUSSEE A MULTIPLES MODES DE BALAYAGE**

[72] GLUBRECHT, DALE D., US

[72] GILES, BRIAN, US

[72] CRUNK, FELIX W., III, US

[72] SCHRIMSHER, RONALD J., US

[72] HOWLEY, SEAN H., US

[72] BERKE, JARED N., US

[72] MADDERRA, JOHN D., US

[73] SCHWARZE INDUSTRIES, INC., US

[85] 2019-10-09

[86] 2018-04-13 (PCT/US2018/027494)

[87] (WO2018/191621)

[30] US (62/485,879) 2017-04-14

[30] US (62/503,923) 2017-05-09

[30] US (62/505,973) 2017-05-14

[11] **3,061,136**
[13] C

[51] **Int.Cl. G06Q 30/018 (2023.01) G06Q 10/08 (2023.01) G06Q 20/38 (2012.01) G06Q 30/06 (2023.01) G06Q 40/02 (2023.01)**

[25] EN

[54] **DEVICE AND SYSTEM FOR GENERATING ELECTRONIC CERTIFICATE**

[54] **DISPOSITIF ET SYSTEME DE GENERATION DE CERTIFICAT ELECTRONIQUE**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3061136)

[87] (3061136)

[22] 2014-09-12

[62] 2,988,802

[11] **3,061,139**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06Q 40/02 (2023.01) G06Q 30/018 (2023.01)**

[25] EN

[54] **DEVICE AND SYSTEM FOR GENERATING ELECTRONIC CERTIFICATE**

[54] **DISPOSITIF ET SYSTEME DE GENERATION DE CERTIFICAT ELECTRONIQUE**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3061139)

[87] (3061139)

[22] 2014-09-12

[62] 2,988,802

[11] **3,062,224**
[13] C

[51] **Int.Cl. G01N 27/00 (2006.01) C40B 30/10 (2006.01) C40B 40/10 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/195 (2006.01) C12N 9/78 (2006.01) C12Q 1/37 (2006.01)**

[25] EN

[54] **METHOD OF DETECTING AT LEAST ONE MECHANISM OF RESISTANCE TO CARBAPENEMS BY MASS SPECTROMETRY**

[54] **PROCEDE DE DETECTION D'AU MOINS UN MECANISME DE RESISTANCE AUX CARBAPENEMES PAR SPECTROMETRIE DE MASSE**

[72] CHARRETIER, YANNICK, FR

[72] CHARRIER, JEAN-PHILIPPE, FR

[72] FRANCESCHI, CHRISTINE, FR

[72] ZAMBARDI, GILLES, FR

[72] DEGOUT-CHARMETTE, ELODIE, FR

[72] CECCHINI, TIPHAINE, FR

[73] BIOMERIEUX INC., US

[86] (3062224)

[87] (3062224)

[22] 2012-04-20

[62] 2,833,456

[30] US (61/477,915) 2011-04-21

[11] **3,063,131**
[13] C

[51] **Int.Cl. F04B 49/22 (2006.01) F04B 25/00 (2006.01) F04B 41/06 (2006.01)**

[25] EN

[54] **CRANKCASE VENTILATION SYSTEM WITH DEAD SPACE ALIGNMENT SLEEVES**

[54] **SYSTEME DE VENTILATION DE CARTER AVEC MANCHONS D'ALIGNEMENT EN ANGLE MORT**

[72] ECHTER, NICHOLAS, US

[72] WEYER-GEIGEL, KRISTINA, US

[73] ONBOARD DYNAMICS, LLC., US

[85] 2019-11-08

[86] 2018-05-21 (PCT/US2018/033592)

[87] (WO2018/217594)

[30] US (62/509,403) 2017-05-22

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[11] **3,066,017**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **METHODS OF CHARACTERIZING NEPHROTIC SYNDROME**
[54] **METHODES DE CARACTERISATION DU SYNDROME NEPHROTIQUE**
[72] CHUGH, SUMANT, US
[73] CHUGH, SUMANT, US
[86] (3066017)
[87] (3066017)
[22] 2011-06-03
[62] 2,801,770
[30] US (61/351,865) 2010-06-05
[30] US (13/152,169) 2011-06-02

[11] **3,066,162**
[13] C

[51] **Int.Cl. G21C 15/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR BRINGING A NUCLEAR POWER PLANT INTO A SAFE STATE AFTER EXTREME EFFECT**
[54] **PROCEDE ET SYSTEME POUR REMETTRE UNE CENTRALE NUCLEAIRE DANS UN ETAT SURAPRES DES CONDITIONS INTENSES**
[72] BEZLEPKIN, VLADIMIR VIKTOROVICH, RU
[72] GAVRILOV, MAKSIM VLADIMIROVICH, RU
[72] TRETYAKOV, EVGENIJ ALEKSANDROVICH, RU
[72] KOZLOV, VYACHESLAV BORISOVICH, RU
[72] OBRAZCOV, EVGENIJ PAVLOVICH, RU
[72] MEZENIN, EVGENIJ IGOREVICH, RU
[72] SHIRVANYANC, ANTON EDUARDOVICH, RU
[72] ALTBREGEN, DARYA ROBERTOVNA, RU
[72] NOSANKOVA, LAJNE VYAJNOVNA, RU
[72] EGOROV, EVGENIJ YUREVICH, RU
[72] LUKINA, ANZHELA VASILEVNA, RU
[72] VIBE, DMITRIJ YAKOVLEVICH, RU
[73] JOINT-STOCK COMPANY SCIENTIFIC RESEARCH AND DESIGN INSTITUTE FOR ENERGY TECHNOLOGIES ATOMPROEKT, RU
[85] 2019-12-27
[86] 2018-12-28 (PCT/RU2018/000895)
[87] (WO2020/067918)
[30] RU (2018134285) 2018-09-28

[11] **3,066,212**
[13] C

[51] **Int.Cl. C02F 1/28 (2006.01) B01J 20/06 (2006.01) B01J 20/34 (2006.01) C01G 49/02 (2006.01)**
[25] EN
[54] **METHOD OF ADSORBING AN ANION OF INTEREST FROM AN AQUEOUS SOLUTION**
[54] **METHODE D'ADSORPTION D'UN ANION D'INTERET A PARTIR D'UNE SOLUTION AQUEUSE**
[72] HIROKAWA, TOSHIYASU, JP
[72] NOISHIKI, TSUYOSHI, JP
[72] KIMURA, NOBUO, JP
[72] TATEISHI, YUICHI, JP
[72] TAKAHASHI, YUKIKO, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2019-12-04
[86] 2018-06-11 (PCT/JP2018/022183)
[87] (WO2018/230489)
[30] JP (2017-118425) 2017-06-16

[11] **3,067,371**
[13] C

[51] **Int.Cl. H04W 48/12 (2009.01) H04W 48/16 (2009.01)**
[25] EN
[54] **METHODS FOR DYNAMIC TDD UPLINK/DOWNLINK CONFIGURATION**
[54] **PROCEDES POUR CONFIGURATION DE LIAISON MONTANTE/LIAISON DESCENDANTE TDD DYNAMIQUE**
[72] STERN-BERKOWITZ, JANET A., US
[72] SADEGHI, POURIYA, US
[72] TAMAKI, NOBUYUKI, US
[72] LEE, MOON-IL, US
[72] SUN, LI-HSIANG, US
[72] PELLETIER, GHYSLAIN, CA
[72] RUDOLF, MARIAN, CA
[73] INTERDIGITAL PATENT HOLDINGS, INC., US
[86] (3067371)
[87] (3067371)
[22] 2013-09-26
[62] 2,886,634
[30] US (61/705,936) 2012-09-26
[30] US (61/753,354) 2013-01-16
[30] US (61/863,359) 2013-08-07

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[11] **3,067,692**
[13] C

[51] **Int.Cl. G06K 19/07 (2006.01) G06F 3/041 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TOUCH SCREEN INTERFACE INTERACTION USING A CARD OVERLAY**
[54] **SYSTEMES ET METHODES POUR L'INTERACTION D'INTERFACE D'ECRAN TACTILE AU MOYEN D'UN RECOUVREMENT DE CARTE**
[72] RULE, JEFFREY, US
[72] OSBORN, KEVIN, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3067692)
[87] (3067692)
[22] 2020-01-10
[30] US (16/245,658) 2019-01-11

[11] **3,067,917**
[13] C

[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **METHODS FOR MEASURING INTER- AND/OR INTRA-MOLECULAR INTERACTIONS**
[54] **PROCEDES DE MESURE D'INTERACTIONS INTER- ET/OU INTRA-MOLECULAIRES**
[72] BAASKE, PHILIPP, DE
[72] DUHR, STEFAN, DE
[72] BREITSPRECHER, DENNIS, DE
[72] OSSEFORTH, CHRISTIAN, DE
[72] ROHDE, AXEL, DE
[72] GUPTA, AMIN JEAN, DE
[72] TSCHAMMER, NUSKA, DE
[73] NANOTEMPER TECHNOLOGIES GMBH, DE
[85] 2019-12-19
[86] 2018-06-22 (PCT/EP2018/066804)
[87] (WO2018/234557)
[30] EP (17177747.7) 2017-06-23
[30] EP (17177746.9) 2017-06-23

[11] **3,068,105**
[13] C

[51] **Int.Cl. B05D 1/02 (2006.01) B05D 3/00 (2006.01) B05D 3/02 (2006.01) B05D 5/08 (2006.01) F27B 9/26 (2006.01)**
[25] EN
[54] **PLASTIC SPRAYING PROCESS AND EQUIPMENT FOR BEARING RETAINER**
[54] **PROCEDE ET APPAREIL DE PULVERISATION DE PLASTIQUE POUR DISPOSITIF DE RETENUE DE ROULEMENT**
[72] ZHENG, GUANGHUI, CN
[72] ZHAO, PEIZHEN, CN
[73] SHANDONG GOLDEN EMPIRE PRECISION MACHINERY TECHNOLOGY CO., LTD, CN
[85] 2019-12-20
[86] 2018-05-22 (PCT/CN2018/087853)
[87] (WO2018/214876)
[30] CN (201710381189.7) 2017-05-25

[11] **3,068,508**
[13] C

[51] **Int.Cl. B42D 25/425 (2014.01)**
[25] EN
[54] **DATA CARRIER WITH TACTILE PRINTED AREA FOR INK WRITING DATA**
[54] **SUPPORT DE DONNEES AVEC ZONE IMPRIMEE TACTILE POUR DONNEES D'ECRITURE D'ENCRE**
[72] KASKIALA, TONI, FR
[73] THALES DIS FRANCE SAS, FR
[85] 2019-12-24
[86] 2018-06-29 (PCT/EP2018/067644)
[87] (WO2019/002577)
[30] EP (17305814.0) 2017-06-29

[11] **3,068,643**
[13] C

[51] **Int.Cl. F25C 1/00 (2006.01) F24H 15/136 (2022.01)**
[25] EN
[54] **HEATING CONROL METHOD, DEVICE AND ICE MAKER**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE CHAUFFAGE ET MACHINE A GLACONS**
[72] ZHANG, JINGYU, CN
[72] LI, YU, CN
[72] WEI, DEMING, CN
[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[85] 2020-11-26
[86] 2019-06-10 (PCT/CN2019/090520)
[87] (WO2020/232764)
[30] CN (2019104104750) 2019-05-17

[11] **3,068,902**
[13] C

[51] **Int.Cl. H01T 23/00 (2006.01) A61L 9/22 (2006.01)**
[25] EN
[54] **A BIPOLAR IONIZER FOR AIR PURIFICATION AND A DIFFUSER USING THE BIPOLAR IONIZER**
[54] **IONISATEUR BIPOLAIRE POUR EPURATION DE L'AIR ET DIFFUSEUR UTILISANT L'IONISATEUR BIPOLAIRE**
[72] NI, YUNSHI, CN
[73] SHENZHEN YUAN QI ENVIRONMENTAL ENERGY TECHNOLOGY CO., LTD., CN
[85] 2020-01-03
[86] 2018-03-23 (PCT/CN2018/080245)
[87] (WO2019/011002)
[30] CN (201710559917.9) 2017-07-11

[11] **3,069,359**
[13] C

[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/203 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ENCAPSULATED TRETINOIN**
[54] **COMPOSITIONS COMPRENANT DE LA TRETINOINE ENCAPSULEE**
[72] TOLEDANO, OFER, IL
[72] NEIMANN, KARINE, IL
[72] ERLICH, MAYA, IL
[72] MARCO, DORIT, IL
[73] SOL-GEL TECHNOLOGIES LTD., IL
[85] 2020-01-08
[86] 2018-07-12 (PCT/IL2018/050765)
[87] (WO2019/012537)
[30] US (62/531,402) 2017-07-12

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[11] **3,069,995**
[13] C

[51] **Int.Cl. B60R 16/023 (2006.01) H04L 41/0806 (2022.01) H04L 67/12 (2022.01) H04L 67/565 (2022.01) G05B 19/042 (2006.01) H04L 12/40 (2006.01)**

[25] EN

[54] **CONFIGURABLE MANAGEMENT SYSTEM FOR A VEHICLE AND METHOD OF USE**

[54] **SYSTEME DE GESTION CONFIGURABLE POUR UN VEHICULE ET PROCEDE D'UTILISATION**

[72] DESCHENES, ERIC, CA

[73] LES SYSTEMES CYBERKAR, CA

[85] 2020-01-15

[86] 2018-07-05 (PCT/CA2018/050820)

[87] (WO2019/014754)

[30] US (62/535,086) 2017-07-20

[11] **3,070,736**
[13] C

[51] **Int.Cl. H04N 7/18 (2006.01) G06T 19/00 (2011.01) G06T 15/20 (2011.01) G09G 5/00 (2006.01) G09G 5/36 (2006.01)**

[25] EN

[54] **DISPLAY CONTROL APPARATUS AND DISPLAY CONTROL METHOD**

[54] **DISPOSITIF ET PROCEDE DE COMMANDE D'AFFICHAGE**

[72] OKUTANI, YASUO, JP

[73] CANON KABUSHIKI KAISHA, JP

[85] 2020-01-21

[86] 2018-11-21 (PCT/JP2018/042948)

[87] (WO2019/123957)

[30] JP (2017-245392) 2017-12-21

[11] **3,071,279**
[13] C

[51] **Int.Cl. A21B 1/40 (2006.01) A23L 5/10 (2016.01) A21B 1/02 (2006.01) A21B 2/00 (2006.01) F24C 7/08 (2006.01) F24C 15/00 (2006.01)**

[25] EN

[54] **MULTIZONE COOKING UTILIZING A SPECTRAL-CONFIGURABLE COOKING INSTRUMENT**

[54] **CUISSON MULTIZONE UTILISANT UN APPAREIL DE CUISSON POUVANT ETRE CONFIGURE D'UN POINT DE VUE SPECTRAL**

[72] CHENG, SHIH-YU, US

[72] YUE, DAN, US

[72] METZLER, RICHARD, US

[72] JANOFF, MARK, US

[73] BRAVA HOME, INC., US

[85] 2020-01-27

[86] 2018-08-09 (PCT/US2018/046124)

[87] (WO2019/032906)

[30] US (15/673,296) 2017-08-09

[11] **3,072,142**
[13] C

[51] **Int.Cl. A47L 11/292 (2006.01) A47L 11/03 (2006.01) A47L 11/18 (2006.01) A47L 11/24 (2006.01) A47L 11/282 (2006.01)**

[25] EN

[54] **FLOOR CLEANING APPARATUS WITH CLEANING FLUID DELIVERY SYSTEM**

[54] **APPAREIL DE NETTOYAGE DU PLANCHER AVEC SYSTEME DE DISTRIBUTION DE LIQUIDE NETTOYANT**

[72] WANG, GUOSHUN, US

[72] XIA, JINCHENG, US

[72] FENG, XINLIANG, US

[72] LI, FENG CHUN, US

[72] YU, JIANJUN, US

[72] BOILS, DANIELLE, US

[72] BLOEMENDAAL, COLIN J., US

[73] BISSELL INC., US

[86] (3072142)

[87] (3072142)

[22] 2020-02-11

[30] US (62/804,342) 2019-02-12

[11] **3,072,332**
[13] C

[51] **Int.Cl. B65D 1/12 (2006.01) B65D 51/16 (2006.01) B65D 81/00 (2006.01) C12H 1/00 (2006.01)**

[25] EN

[54] **BEVERAGE CONTAINERS WITH CONTROLLED OXYGEN TRANSMISSION FEATURES**

[54] **RECIPIENTS POUR BOISSON PRESENTANT DES CARACTERISTIQUES DE TRANSMISSION DE L'OXYGENE REGULEES**

[72] GATEWOOD, ERIK E., US

[72] SILES, JOHN L., US

[73] BALL CORPORATION, US

[85] 2020-02-06

[86] 2018-08-09 (PCT/US2018/046071)

[87] (WO2019/032872)

[30] US (62/543,217) 2017-08-09

[11] **3,073,283**
[13] C

[51] **Int.Cl. F25J 1/02 (2006.01) F25J 1/00 (2006.01)**

[25] EN

[54] **REFRIGERANT AND NITROGEN RECOVERY**

[54] **RECUPERATION DE FLUIDE FRIGORIGENE ET D'AZOTE**

[72] SCHLEICHER, JAY C., US

[72] YOUNT, CHRISTOPHER SCOTT, US

[72] BECK, KARL ERHARD, US

[73] BAKER HUGHES ENERGY SERVICE LLC, US

[85] 2020-02-14

[86] 2018-08-21 (PCT/US2018/047371)

[87] (WO2019/040521)

[30] US (62/548,163) 2017-08-21

[30] US (16/023,885) 2018-06-29

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[11] **3,073,555**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 31/4745 (2006.01) A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **[6R]-MTHF - AN EFFICIENT FOLATE ALTERNATIVE IN 5-FLUOROURACIL BASED CHEMOTHERAPY**

[54] **[6R]-MTHF - ALTERNATIVE EFFICACE AU FOLATE DANS LA CHIMIOThERAPIE A BASE DE 5-FLUOROURACILE**

[72] LINDBERG, PER LENNART, SE

[72] SUNDEN, GUNNEL ELISABETH, SE

[72] GUSTAVSSON, BENGT, SE

[72] VEDIN, ANDERS, SE

[73] ISOFOL MEDICAL AB, SE

[85] 2020-02-21

[86] 2018-01-05 (PCT/EP2018/050273)

[87] (WO2019/037898)

[30] EP (17187684.0) 2017-08-24

[11] **3,074,813**
[13] C

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01)**

[25] EN

[54] **IMIDAZOLIDINE COMPOUNDS**

[54] **COMPOSES D'IMIDAZOLIDINE**

[72] LIU, LIAN ZHU, US

[72] WANG, XIAOQING, US

[72] WILEY, MICHAEL ROBERT, US

[73] ELI LILLY AND COMPANY, US

[85] 2020-03-04

[86] 2018-08-31 (PCT/US2018/049068)

[87] (WO2019/050794)

[30] CN (PCT/CN2017/101042) 2017-09-08

[11] **3,074,821**
[13] C

[51] **Int.Cl. G01C 21/34 (2006.01) G01C 21/36 (2006.01)**

[25] EN

[54] **FIRST-PERSON PERSPECTIVE VIEW**

[54] **VUE DE LA PERSPECTIVE D'UNE PREMIERE PERSONNE**

[72] LEE, SEUNG WOO, US

[73] UBER TECHNOLOGIES, INC., US

[85] 2020-03-04

[86] 2018-08-31 (PCT/IB2018/056689)

[87] (WO2019/049010)

[30] US (15/698,550) 2017-09-07

[11] **3,075,070**
[13] C

[51] **Int.Cl. B01D 3/14 (2006.01) A61K 9/72 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**

[25] EN

[54] **METHODS AND DRUG DELIVERY DEVICES USING CANNABIS**

[54] **PROCEDES ET DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS A L'AIDE DE CANNABIS**

[72] MCCULLOUGH, TIMOTHY, US

[73] MCCULLOUGH, TIMOTHY, US

[86] (3075070)

[87] (3075070)

[22] 2015-02-11

[62] 2,939,088

[30] US (61/938,577) 2014-02-11

[30] US (14/264,999) 2014-04-29

[30] US (62/058,431) 2014-10-01

[30] US (14/574,591) 2014-12-18

[30] US (PCT/US2015/014418) 2015-02-04

[11] **3,075,882**
[13] C

[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/02 (2006.01) C22C 38/58 (2006.01)**

[25] EN

[54] **AUSTENITIC STAINLESS STEEL AND PRODUCTION METHOD THEREOF**

[54] **ACIER INOXYDABLE AUSTENITIQUE ET SON PROCEDE DE PRODUCTION**

[72] YONENAGA, YOSUKE, JP

[73] MARUICHI STAINLESS TUBE CO., LTD., JP

[85] 2020-03-13

[86] 2018-09-11 (PCT/JP2018/033714)

[87] (WO2019/054390)

[30] JP (2017-175651) 2017-09-13

[11] **3,076,131**
[13] C

[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6874 (2018.01) C12M 1/34 (2006.01)**

[25] EN

[54] **COMPENSATOR FOR MULTIPLE SURFACE IMAGING**

[54] **COMPENSATEUR POUR IMAGERIE DE SURFACES MULTIPLES**

[72] FENG, WENYI, US

[72] BRYANT, JASON, US

[72] BUERMANN, DALE, US

[73] ILLUMINA, INC., US

[86] (3076131)

[87] (3076131)

[22] 2009-05-05

[62] 2,723,184

[30] US (61/050,522) 2008-05-05

[30] US (61/138,444) 2008-12-17

[30] US (12/434,495) 2009-05-01

[11] **3,076,271**
[13] C

[51] **Int.Cl. H04L 1/00 (2006.01)**

[25] EN

[54] **METHOD FOR POLAR CODING AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE CODAGE DE CODES POLAIRES**

[72] LUO, HEJIA, CN

[72] DU, YINGGANG, CN

[72] LI, RONG, CN

[72] HUANG, LINGCHEN, CN

[72] CHEN, YING, CN

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

[85] 2020-03-18

[86] 2018-09-18 (PCT/CN2018/106288)

[87] (WO2019/052581)

[30] CN (201710843554.1) 2017-09-18

[30] CN (201711148239.3) 2017-11-17

[11] **3,079,464**
[13] C

[51] **Int.Cl. A63H 33/08 (2006.01) A63H 33/12 (2006.01)**

[25] EN

[54] **SPLICING STRUCTURE**

[54] **STRUCTURE DE RACCORDEMENT**

[72] YE, ZUWEI, CN

[73] WIST PLASTIC & METAL TECHNOLOGY LIMITED, CN

[85] 2020-04-24

[86] 2018-12-05 (PCT/CN2018/119256)

[87] (WO2019/134476)

[30] CN (201810002176.9) 2018-01-02

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[11] **3,079,670**
[13] C

[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITIONS AND ARTICLES MADE THEREFROM**
[54] **COMPOSITIONS DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CELLES-CI**
[72] LI, DONGMING, US
[72] LUE, CHING-TAI, US
[72] SILVA, ADRIANA S., US
[72] HOLTCAMP, MATTHEW W., US
[72] SANDERS, DAVID F., US
[72] MCCULLOUGH, LAUGHLIN G., US
[72] BEDOYA, MATTHEW S., US
[72] KUPPUSWAMY, SUBRAMANIAM, US
[73] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2020-04-20
[86] 2018-08-30 (PCT/US2018/048669)
[87] (WO2019/083609)
[30] US (62/575,818) 2017-10-23
[30] US (62/579,537) 2017-10-31

[11] **3,080,116**
[13] C

[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**
[25] FR
[54] **MACROCYCLIC DERIVATIVES, THEIR PREPARATION PROCESS AND THE PHARMACEUTICAL COMPOSITIONS CONTAINING THEM**
[54] **DERIVES MACROCYCLIQUES, LEUR PROCEDE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT**
[72] STARCK, JEROME-BENOIT, FR
[72] DURAND, DIDIER, FR
[72] CHEN, I-JEN, GB
[72] LE TIRAN, ARNAUD, FR
[72] ORTUNO, JEAN-CLAUDE, FR
[72] NYERGES, MIKLOS, HU
[72] LIGETI, MELINDA, HU
[72] FEJES, IMRE, HU
[73] LES LABORATOIRES SERVIER, FR
[73] VERNALIS (R&D) LIMITED, GB
[85] 2020-04-22
[86] 2018-10-24 (PCT/EP2018/079113)
[87] (WO2019/081559)
[30] FR (1760078) 2017-10-25

[11] **3,080,313**
[13] C

[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/38 (2006.01) C21D 8/00 (2006.01)**
[25] EN
[54] **HOT FORGED STEEL MATERIAL**
[54] **MATERIAU EN ACIER FORGE A CHAUD**
[72] SUEYASU, YOKO, JP
[72] TAHIRA, HIROAKI, JP
[72] YOSHINO, KEN, JP
[72] NISHIHARA, KISON, JP
[73] NIPPON STEEL CORPORATION, JP
[85] 2020-04-24
[86] 2018-10-31 (PCT/JP2018/040570)
[87] (WO2019/088190)
[30] JP (2017-209869) 2017-10-31

[11] **3,081,394**
[13] C

[51] **Int.Cl. G01N 1/08 (2006.01)**
[25] EN
[54] **TOOL FOR EXTRACTING SOIL PLUGS FOR ANALYTICAL TESTING**
[54] **OUTIL D'EXTRACTION DE MOTTES DE TERRE POUR ESSAI ANALYTIQUE**
[72] TERZIC, HRVOJE, CA
[72] MORTON, CHRIS, CA
[72] RUTTAN, GINA, CA
[73] 1936100 ONTARIO INC. DBA SYSTEMS PLUS, CA
[86] (3081394)
[87] (3081394)
[22] 2020-05-27
[30] US (62/853406) 2019-05-28
[30] CA (3048331) 2019-07-02

[11] **3,082,113**
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01) B05B 1/16 (2006.01) B05B 3/04 (2006.01)**
[25] EN
[54] **SHOWERHEAD WITH REMOTE PORTING**
[54] **POMME DE DOUCHE AVEC PORTAGE A DISTANCE**
[72] QUINN, MICHAEL J., US
[72] PETERSON, PRESTON, US
[72] ROGERS, CRAIG, US
[73] WATER PIK, INC., US
[85] 2020-05-07
[86] 2018-11-13 (PCT/US2018/060691)
[87] (WO2019/094911)
[30] US (62/585,456) 2017-11-13
[30] US (62/699,553) 2018-07-17

[11] **3,082,290**
[13] C

[51] **Int.Cl. B60R 21/00 (2006.01) A63G 7/00 (2006.01)**
[25] EN
[54] **SECONDARY BAR SECURING DEVICE**
[54] **FIXATION SECONDAIRE D'UN ARCEAU**
[72] KRAUS, MICHAEL, DE
[72] BURGER, GUENTER, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2020-05-11
[86] 2018-07-27 (PCT/EP2018/070445)
[87] (WO2019/091610)
[30] DE (10 2017 126 488.4) 2017-11-10

[11] **3,083,252**
[13] C

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/122 (2006.01) A61K 31/216 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM ON THE BASIS OF ADHESIVE PLASTICIZER-POLYMER MATRICES**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE A BASE DE MATRICES ADHESIVES PLASTIFIANTES-POLYMERES**
[72] LINN, MICHAEL, DE
[72] MULLER, MARKUS, DE
[72] BAUER, MARIUS, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-05-21
[86] 2018-11-21 (PCT/EP2018/082090)
[87] (WO2019/110306)
[30] DE (10 2017 127 433.2) 2017-11-21

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[11] **3,083,502**
[13] C

[51] **Int.Cl. D21H 27/30 (2006.01)**
[25] EN
[54] **SOFT BATH TISSUES HAVING
LOW WET ABRASION AND GOOD
DURABILITY**
[54] **PAPIER HYGIENIQUE SOUPLE
AYANT UNE FAIBLE ABRASION
HUMIDE ET UNE BONNE
DURABILITE**
[72] DWIGGINS, JOHN H., US
[72] SUMNICHT, DANIEL W., US
[73] GPCP IP HOLDINGS LLC, US
[86] (3083502)
[87] (3083502)
[22] 2014-03-03
[62] 2,907,543
[30] US (61/804,364) 2013-03-22
[30] US (14/173,950) 2014-02-06

[11] **3,084,712**
[13] C

[51] **Int.Cl. A47J 37/07 (2006.01) F24C
7/08 (2006.01) H01R 4/66 (2006.01)
H01R 13/73 (2006.01)**
[25] EN
[54] **REMOVABLE ELECTRIC GRILL
CONTROLLER WITH MOUNT**
[54] **CONTROLEUR DE GRILL
ELECTRIQUE AMOVIBLE DOTE
D'UN DISPOSITIF
D'INSTALLATION**
[72] SCHMESKI, KEVIN JAMES, US
[73] WEBER-STEPHEN PRODUCTS LLC,
US
[86] (3084712)
[87] (3084712)
[22] 2018-05-11
[62] 3,004,718
[30] US (15/600,310) 2017-05-19

[11] **3,085,051**
[13] C

[51] **Int.Cl. C09B 67/06 (2006.01) A23L
5/42 (2016.01) A23L 5/43 (2016.01)
C09B 67/20 (2006.01) C30B 7/04
(2006.01) C09B 61/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PRODUCING A
NATURAL CRYSTALLINE
COLORANT**
[54] **SYSTEME POUR PRODUIRE UN
COLORANT CRISTALLIN
NATUREL**
[72] ROSSI, JOSEPH, US
[72] KATTAMURI, SUNDEEP, IN
[73] E. & J. GALLO WINERY, US
[86] (3085051)
[87] (3085051)
[22] 2012-06-28
[62] 2,840,213
[30] US (61/503,557) 2011-06-30

[11] **3,085,558**
[13] C

[51] **Int.Cl. C12Q 1/68 (2018.01) C12N
9/12 (2006.01)**
[25] EN
[54] **DNA POLYMERASES**
[54] **ADN POLYMERASES**
[72] LARSEN, ATLE NORALF, NO
[72] PIOTROWSKI, YVONNE, NO
[73] UNIVERSITETET I TROMSO -
NORGES ARKTISKE UNIVERSITET,
NO
[85] 2020-06-08
[86] 2018-12-17 (PCT/EP2018/085342)
[87] (WO2019/115834)
[30] GB (1721053.5) 2017-12-15

[11] **3,086,271**
[13] C

[51] **Int.Cl. E21B 47/11 (2012.01)**
[25] EN
[54] **SYSTEM TO DETERMINE
EXISTING FLUIDS REMAINING
SATURATION IN HOMOGENOUS
AND/OR NATURALLY
FRACTURED RESERVOIRS**
[54] **SYSTEME SERVANT A
DETERMINER LA SATURATION
CAUSEE PAR LES FLUIDES
RESIDUELS DANS DES
RESERVOIRS HOMOGENES
ET/OU FRACTURES
NATURELLEMENT**
[72] RAMIREZ SABAG, JETZABETH, MX
[73] INSTITUTO MEXICANO DEL
PETROLEO, MX
[86] (3086271)
[87] (3086271)
[22] 2020-07-09
[30] MX (MX/A/2019/008720) 2019-07-23

[11] **3,086,962**
[13] C

[51] **Int.Cl. B60R 9/00 (2006.01) B25H 5/00
(2006.01) B60R 11/06 (2006.01)**
[25] EN
[54] **TOP MOUNT TOOLBOX SYSTEM**
[54] **SYSTEME DE COFFRE A OUTILS
A MONTAGE SUPERIEUR**
[72] SPENCER, MICHAEL R., US
[73] TRUXEDO, INC., US
[86] (3086962)
[87] (3086962)
[22] 2020-07-16
[30] US (16/543,953) 2019-08-19

[11] **3,087,087**
[13] C

[51] **Int.Cl. G06F 16/178 (2019.01)**
[25] EN
[54] **RESYNCHRONIZING METADATA
IN A CONTENT MANAGEMENT
SYSTEM**
[54] **RESYNCHRONISATION DE
METADONNEES DANS UN
SYSTEME DE GESTION DE
CONTENU**
[72] LAI, JOHN, US
[73] DROPBOX, INC., US
[85] 2020-06-25
[86] 2018-12-12 (PCT/US2018/065091)
[87] (WO2019/133249)
[30] US (62/611,473) 2017-12-28
[30] US (15/863,819) 2018-01-05
[30] US (15/870,179) 2018-01-12

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[11] **3,087,347**
[13] C

[51] **Int.Cl. G01S 13/74 (2006.01) G01V 3/08 (2006.01)**
[25] EN
[54] **PROXIMITY DETECTION SYSTEM WITH CONCURRENT RF AND MAGNETIC FIELDS**
[54] **SYSTEME DE DETECTION DE PROXIMITE AVEC CHAMPS RF ET MAGNETIQUES SIMULTANES**
[72] FREDERICK, LARRY D., US
[73] STRATA SAFETY PRODUCTS, LLC, US
[86] (3087347)
[87] (3087347)
[22] 2012-08-07
[62] 2,844,335
[30] US (61/521,125) 2011-08-08

[11] **3,087,431**
[13] C

[51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/667 (2006.01) E06B 3/677 (2006.01) E06B 3/66 (2006.01)**
[25] EN
[54] **INSULATING GLAZING AND WINDOW**
[54] **VITRAGE ISOLANT ET FENETRE**
[72] NEANDER, MARCUS, DE
[72] KUSTER, HANS-WERNER, DE
[72] MORVAN, GUENAEL, FR
[72] KOREN, NICHOLAS, US
[72] WEISSLER, ARIANE, DE
[72] MARJAN, CHRISTOPHER, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-06-30
[86] 2019-01-08 (PCT/EP2019/050273)
[87] (WO2019/141532)
[30] US (62/620,085) 2018-01-22
[30] EP (18158001.0) 2018-02-22

[11] **3,087,435**
[13] C

[51] **Int.Cl. E06B 3/663 (2006.01)**
[25] EN
[54] **INSULATING GLAZING, WINDOW AND PRODUCTION METHOD**
[54] **VITRAGE ISOLANT, FENETRE ET PROCEDE POUR SA FABRICATION**
[72] NEANDER, MARCUS, DE
[72] MARJAN, CHRISTOPHER, DE
[72] KUSTER, HANS-WERNER, DE
[72] GREER, BRYAN, US
[72] MORVAN, GUENAEL, FR
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-06-30
[86] 2019-01-08 (PCT/EP2019/050274)
[87] (WO2019/141533)
[30] US (62/620,102) 2018-01-22
[30] EP (18158003.6) 2018-02-22

[11] **3,087,469**
[13] C

[51] **Int.Cl. H01L 29/778 (2006.01) H01L 21/335 (2006.01)**
[25] EN
[54] **GROUP III NITRIDE ENHANCEMENT-MODE HEMT BASED ON COMPOSITE BARRIER LAYER STRUCTURE AND MANUFACTURING METHOD THEREOF**
[54] **HEMT RENFORCE AU NITRURE DU GROUPE III FONDE SUR UNE STRUCTURE DE COUCHE BARRIERE DE POTENTIEL COMPOSITE ET SON PROCEDE DE FABRICATION**
[72] SUN, QIAN, CN
[72] ZHOU, YU, CN
[72] ZHONG, YAOZONG, CN
[72] GAO, HONGWEI, CN
[72] FENG, MEIXIN, CN
[72] YANG, HUI, CN
[73] SUZHOU INSTITUTE OF NANO-TECH AND NANO-BIONICS (SINANO), CHINESE ACADEMY OF SCIENCES, CN
[85] 2020-07-02
[86] 2018-04-10 (PCT/CN2018/082576)
[87] (WO2019/136864)
[30] CN (201810031021.8) 2018-01-12

[11] **3,087,521**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/158 (2006.01) A61M 5/42 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **PORT INTERFACE FOR DRUG DELIVERY DEVICE**
[54] **INTERFACE D'ORIFICE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] RABOLLI, CHRISTINA, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2020-06-30
[86] 2019-01-02 (PCT/US2019/012048)
[87] (WO2019/136064)
[30] US (62/612,838) 2018-01-02

[11] **3,087,972**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRAZOLYL[4,3-C]PYRIDINE COMPOUNDS AS RET KINASE INHIBITORS**
[54] **COMPOSES DE PYRAZOLYL[4,3-C]PYRIDINE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE LA KINASE RET**
[72] WALLS, SHANE M., US
[72] REN, LI, US
[72] RAMANN, GINELLE A., US
[72] MORENO, DAVID A., US
[72] METCALF, ANDREW T., US
[72] MCFADDIN, ELIZABETH A., US
[72] KOLAKOWSKI, GABRIELLE R., US
[72] BLAKE, JAMES F., US
[72] DAI, DONGHUA, US
[72] HAAS, JULIA, US
[72] JIANG, YUTONG, US
[72] KAHN, DEAN, US
[73] ARRAY BIOPHARMA INC., US
[85] 2020-07-07
[86] 2019-01-18 (PCT/US2019/014277)
[87] (WO2019/143994)
[30] US (62/619,051) 2018-01-18
[30] US (62/669,302) 2018-05-09
[30] US (62/676,478) 2018-05-25

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[11] **3,088,030**
[13] C

[51] **Int.Cl. B65B 35/50 (2006.01) B65B 35/56 (2006.01)**
[25] EN
[54] **STACKING AND PACKAGING DEVICE**
[54] **DISPOSITIF D'EMPILEMENT ET D'EMPAQUETAGE**
[72] KAPICKI, MELVIN DOUGLAS, CA
[73] AND Y KNOT INNOVATION AND SALES INC., CA
[85] 2020-07-09
[86] 2019-10-23 (PCT/CA2019/051502)
[87] (WO2020/082177)
[30] US (62/750,627) 2018-10-25

[11] **3,088,599**
[13] C

[51] **Int.Cl. A61B 5/1486 (2006.01)**
[25] EN
[54] **MICRO BIOSENSOR AND MEASURING METHOD THEREOF**
[54] **BIOCAPTEUR MICROSCOPIQUE ET METHODE DE MESURE**
[72] HUANG, CHUN-MU, TW
[72] CHEN, CHIEH-HSING, TW
[73] BIONIME CORPORATION, CN
[86] (3088599)
[87] (3088599)
[22] 2020-07-31
[30] US (62/882,162) 2019-08-02
[30] US (62/988,549) 2020-03-12

[11] **3,089,053**
[13] C

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[25] EN
[54] **BIOLOGICAL CONTROL OF CUCUMBER GREEN MOTTLE MOSAIC VIRUS**
[54] **LUTTE BIOLOGIQUE CONTRE LE VIRUS DE LA MOSAIQUE DU CONCOMBRE**
[72] WANG, KERI, CA
[72] LAZAROVITS, GEORGE, CA
[72] LIU, YIBIN, CA
[72] KONOPKA, MAGDA, CA
[72] PATTERSON, GREG, CA
[73] A&L CANADA LABORATORIES INC., CA
[85] 2020-07-15
[86] 2019-09-10 (PCT/CA2019/051264)
[87] (WO2020/051683)
[30] CA (3017465) 2018-09-14
[30] US (16/558,069) 2019-08-31

[11] **3,089,152**
[13] C

[51] **Int.Cl. A61H 7/00 (2006.01) A45D 44/00 (2006.01) A61H 9/00 (2006.01) A61N 1/36 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **FACIAL BEAUTIFYING AND CARE APPARATUS**
[54] **APPAREIL DE SOINS ET DE BEAUTE DU VISAGE**
[72] LIU, PO-CHANG, CN
[72] LEE, PEI-EN, TW
[73] BIBOTING INTERNATIONAL CO., LTD, CN
[73] LIU, PO-CHANG, CN
[86] (3089152)
[87] (3089152)
[22] 2020-08-06

[11] **3,089,263**
[13] C

[51] **Int.Cl. H10N 60/01 (2023.01) H10N 60/12 (2023.01)**
[25] EN
[54] **JOSEPHSON JUNCTIONS WITH REDUCED STRAY INDUCTANCE**
[54] **JONCTION JOSEPHSON AVEC INDUCTANCE ERRANTE REDUITE**
[72] BURKETT, BRIAN JAMES, US
[72] NAAMAN, OFER, US
[72] MEGRANT, ANTHONY EDWARD, US
[72] WHITE, THEODORE CHARLES, US
[73] GOOGLE LLC, US
[85] 2020-09-18
[86] 2019-07-25 (PCT/US2019/043477)
[87] (WO2021/015789)

[11] **3,089,728**
[13] C

[51] **Int.Cl. A61K 31/7068 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTITUMOR AGENT FOR BILIARY TRACT CANCER AND METHOD FOR TREATING BILIARY TRACT CANCER**
[54] **AGENT ANTITUMORAL CONTRE LE CANCER BILIAIRE ET METHODE DE TRAITEMENT DU CANCER BILIAIRE**
[72] JANKU, FILIP, US
[73] FUJIFILM CORPORATION, JP
[85] 2020-07-27
[86] 2018-03-01 (PCT/JP2018/007772)
[87] (WO2019/146130)
[30] US (62/623,262) 2018-01-29

[11] **3,090,757**
[13] C

[51] **Int.Cl. B62D 55/104 (2006.01) B62D 55/04 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **REAR SUSPENSION FOR A SNOW VEHICLE**
[54] **SUSPENSION ARRIERE POUR UN VEHICULE A NEIGE**
[72] MANGUM, ALLEN M., US
[72] TELFORD, CODY L., US
[72] YORK, JUSTIN R., US
[72] DRIGGARS, PHILLIP M., US
[73] POLARIS INDUSTRIES INC., US
[86] (3090757)
[87] (3090757)
[22] 2018-02-27
[62] 2,996,760
[30] US (15/449467) 2017-03-03

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[51] **Int.Cl. A47G 9/08 (2006.01) A41B 13/06 (2006.01)**
[25] EN
[54] **SLEEPING BAG WITH TOP FLAP**
[54] **SAC DE COUCHAGE AVEC RABAT SUPERIEUR**
[72] HILL, AARON, US
[73] BRIGHT PATH ENTERPRISES LLC, US
[85] 2020-08-07
[86] 2019-02-07 (PCT/US2019/017089)
[87] (WO2019/157204)
[30] US (62/627,526) 2018-02-07
[30] US (16/269,446) 2019-02-06

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[13] C

[51] **Int.Cl. B25F 1/04 (2006.01) B26B 1/02 (2006.01)**
[25] EN
[54] **FOLDING TOOL**
[54] **OUTIL PLIANT**
[72] LEVAND, VICTOR J., US
[72] GAURAV, SHARAD, US
[72] MULROY, SARAH BRIDGET, US
[72] ROBERTSON, JOSHUA R., US
[72] GOODWIN, EDWARD RAY, US
[72] BOSS, RANDI, US
[72] LAMBERTSON, MICHAEL C., JR., US
[73] THE SHERWIN-WILLIAMS COMPANY, US
[86] (3091410)
[87] (3091410)
[22] 2017-02-07
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[30] US (62/292,568) 2016-02-08

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[13] C

[51] **Int.Cl. A42B 3/06 (2006.01)**
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[54] **CONNECTOR**
[54] **RACCORD**
[72] PIETRZAK, CHRISTOPHER, SE
[73] MIPS AB, SE
[85] 2020-08-17
[86] 2019-02-19 (PCT/EP2019/054113)
[87] (WO2019/162281)
[30] GB (1802898.5) 2018-02-22

[11] **3,091,739**
[13] C

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[25] EN
[54] **ACTIVE ROTARY INERTIA DRIVER SYSTEM**
[54] **SYSTEME DE COMMANDE D'ENTRAINEMENT ACTIF A INERTIE DE ROTATION**
[72] ZHANG, CHUNWEI, CN
[72] WANG, HAO, CN
[73] QINGDAO UNIVERSITY OF TECHNOLOGY, CN
[85] 2020-08-19
[86] 2019-09-12 (PCT/CN2019/105646)
[87] (WO2020/155636)
[30] CN (201910103396.5) 2019-02-01

[11] **3,092,494**
[13] C

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01) H04N 19/50 (2014.01) G06T 9/00 (2006.01)**
[25] EN
[54] **INTRA-PREDICTION MODE DEVIATION FOR COLOR SIGNALS, WHEREBY THE SIGNALS MAY HAVE THE SAME OR DIFFERENT ASPECT RATIIONS THAN CORRESPONDING BRIGHTNESS SIGNALS**
[54] **DERIVATION DU MODE D'INTRAPREDICTION POUR LES SIGNAUX DE CHROMINANCE SELON LESQUELS CES DERNIERS PEUVENT AVOIR LES RAPPORTS HAUTEUR/LARGEUR IDENTIQUES OU DIFFERENTS AUX SIGNAUX DE LUMINOSITE CORRESPONDANTS**
[72] NAKAMURA, HIROYA, JP
[72] UEDA, MOTOHARU, JP
[72] FUKUSHIMA, SHIGERU, JP
[72] KUMAKURA, TORU, JP
[73] JVC KENWOOD CORPORATION, JP
[86] (3092494)
[87] (3092494)
[22] 2014-03-17
[62] 3,040,987
[30] JP (2013-074914) 2013-03-29
[30] JP (2013-074913) 2013-03-29
[30] JP (2013-081797) 2013-04-10
[30] JP (2013-081796) 2013-04-10
[30] JP (2014-023252) 2014-02-10
[30] JP (2014-023251) 2014-02-10

[11] **3,092,714**
[13] C

[51] **Int.Cl. A01G 3/037 (2006.01)**
[25] EN
[54] **ELECTRIC POLE LOPPER**
[54] **SECATEUR ELECTRIQUE**
[72] ADIS, SABIC A., HK
[72] WONG, KAR TAT, HK
[72] ZHENG, LI DA, CN
[72] RONG, ZHANG SHENG, CN
[72] VINES, BRIAN RON, CN
[73] TECHTRONIC CORDLESS GP, US
[86] (3092714)
[87] (3092714)
[22] 2020-09-03
[30] CN (201910837921.6) 2019-09-05

[11] **3,093,338**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) G01N 27/72 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **MAGNETIC MARKERS FOR SURGICAL GUIDANCE**
[54] **MARQUEURS MAGNETIQUES POUR GUIDAGE CHIRURGICAL**
[72] AGOSTINELLI, TIZIANO, GB
[72] LORIMER, KEVIN, GB
[72] HARMER, QUENTIN, GB
[73] ENDOMAGNETICS LIMITED, GB
[85] 2020-09-08
[86] 2019-03-18 (PCT/IB2019/052170)
[87] (WO2019/180580)
[30] GB (1804683.9) 2018-03-23

[11] **3,094,142**
[13] C

[51] **Int.Cl. A47G 25/90 (2006.01)**
[25] EN
[54] **HANGING DRESSING AID**
[54] **AIDE A L'HABILLEMENT SUSPENDU**
[72] KUCERA, JAROSLAV, CS
[73] KUCERA, JAROSLAV, CS
[86] (3094142)
[87] (3094142)
[22] 2020-09-22
[30] US (16/578,540) 2019-09-23

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[11] **3,094,202**
[13] C

[51] **Int.Cl. E04H 15/50 (2006.01) E04F 10/04 (2006.01) E04H 15/16 (2006.01) E04H 15/18 (2006.01) E04H 15/54 (2006.01) E04H 15/58 (2006.01)**

[25] EN

[54] **ADJUSTABLE POP-UP CANOPY AUVENT DEPLOYABLE AJUSTABLE**

[72] VOLIN, DEE, US

[73] VOLIN, DEE, US

[85] 2020-09-16

[86] 2019-03-14 (PCT/US2019/022367)

[87] (WO2019/190768)

[30] US (15/939,299) 2018-03-29

[11] **3,094,339**
[13] C

[51] **Int.Cl. A61B 17/34 (2006.01) A61M 5/46 (2006.01) A61M 39/02 (2006.01)**

[25] EN

[54] **LOW-PROFILE SINGLE AND DUAL VASCULAR ACCESS DEVICE**

[54] **DISPOSITIF D'ACCES VASCULAIRE SIMPLE ET DOUBLE A PROFIL BAS**

[72] FEDOR, BRENDA L.F., US

[72] STATS, JASON R., US

[72] RANDALL, MICHAEL ADAM, US

[72] VAN LIERE, CHAD C., US

[72] COX, JEREMY B., US

[73] C.R. BARD, INC., US

[85] 2020-09-17

[86] 2019-04-12 (PCT/US2019/027301)

[87] (WO2019/200304)

[30] US (62/657,662) 2018-04-13

[30] US (62/732,928) 2018-09-18

[30] US (16/382,177) 2019-04-11

[11] **3,094,845**
[13] C

[51] **Int.Cl. G10L 15/22 (2006.01) G10L 15/26 (2006.01) G10L 17/00 (2013.01) G10L 15/08 (2006.01) G10L 15/18 (2013.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TAILORING AN ELECTRONIC DIGITAL ASSISTANT QUERY AS A FUNCTION OF CAPTURED MULTI-PARTY VOICE DIALOG AND AN ELECTRONICALLY STORED MULTI-PARTY VOICE-INTERACTION TEMPLATE**

[54] **SYSTEME ET PROCEDE POUR PERSONNALISATION D'UNE INTERROGATION D'ASSISTANT NUMERIQUE ELECTRONIQUE EN FONCTION D'UN DIALOGUE VOCAL MULTIPARTITE CAPTURE ET D'UN MODELE D'INTERACTION V OCALE MULTIPARTITE STOCKE ELECTRONIQUEMENT**

[72] BLANCO, ALEJANDRO G., US

[72] ZENG, HAO, US

[72] JOHNSON, ERIC, US

[73] MOTOROLA SOLUTIONS, INC., US

[85] 2020-09-22

[86] 2019-04-02 (PCT/US2019/025272)

[87] (WO2019/199516)

[30] US (15/950,317) 2018-04-11

[11] **3,095,173**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**

[25] EN

[54] **CO-EXTRUSION SNAP-FIT RETRACTABLE COVER**

[54] **COUVERTURE RETRACTABLE COEXTRUDEE A AJUSTEMENT SERRE**

[72] VOEGELE, TYLER ALYCE, US

[72] GIVENS, STEVEN JOHN, US

[72] FARGO, JONATHAN CHARLES, US

[73] RETRAX HOLDINGS, LLC, US

[86] (3095173)

[87] (3095173)

[22] 2020-10-02

[30] US (16/691,838) 2019-11-22

[11] **3,095,295**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 21/04 (2006.01) A61P 37/06 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **ANTIBODY BINDING TO FCRN FOR TREATING AUTOIMMUNE DISEASES**

[54] **ANTICORPS SE LIANT A FCRN POUR LE TRAITEMENT DE MALADIES AUTO-IMMUNES**

[72] KIM, SUNG WUK, KR

[72] PARK, SEUNG KOOK, KR

[72] JEONG, JAE KAP, KR

[72] AHN, HYE A KYUNG, KR

[72] KIM, MIN SUN, KR

[72] KIM, EUN SUN, KR

[72] YONG, HAE-YOUNG, KR

[72] DONGOK, SHIN, KR

[72] SONG, YEON JUNG, KR

[72] YOO, TAE HYOUNG, KR

[73] HANALL BIOPHARMA CO., LTD., KR

[86] (3095295)

[87] (3095295)

[22] 2015-04-30

[62] 2,945,086

[30] US (61/986,742) 2014-04-30

[11] **3,095,296**
[13] C

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/158 (2006.01)**

[25] EN

[54] **INTRODUCER NEEDLE WITH NOTCHES FOR IMPROVED FLASHBACK**

[54] **AIGUILLE DE SYSTEME D'INTRODUCTION DOTE D'ENCOCHES POUR L'AMELIORATION DU REFLUX**

[72] MA, YIPING, US

[72] DAVIS, BRYAN G., US

[72] HARDING, WESTON F., US

[72] BURKHOLZ, JONATHAN KARL, US

[73] BECTON, DICKINSON AND COMPANY, US

[85] 2020-09-25

[86] 2019-03-19 (PCT/US2019/022991)

[87] (WO2019/194969)

[30] US (15/946,593) 2018-04-05

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[13] C

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[25] EN
[54] **AUTO LATCH FOR TONNEAU COVER SYSTEM**
[54] **VERROU AUTOMATIQUE POUR UN SYSTEME DE COUVRE-CAISSE**
[72] MAHLER, ERIC, US
[73] EXTANG CORPORATION, US
[86] (3095653)
[87] (3095653)
[22] 2020-10-08
[30] US (16/662,639) 2019-10-24

[11] **3,095,742**
[13] C

[51] **Int.Cl. G01F 1/84 (2006.01) G01N 9/00 (2006.01)**
[25] EN
[54] **FLOWMETER PHASE FRACTION AND CONCENTRATION MEASUREMENT ADJUSTMENT METHOD AND APPARATUS**
[54] **FRACTION DE PHASE DE DEBITMETRE ET PROCEDE ET APPAREIL D'AJUSTEMENT DE MESURE DE CONCENTRATION**
[72] HOLLINGSWORTH, JUSTIN CRAIG, US
[73] MICRO MOTION, INC., US
[85] 2020-09-30
[86] 2018-04-09 (PCT/US2018/026719)
[87] (WO2019/199268)

[11] **3,096,001**
[13] C

[51] **Int.Cl. B26D 1/04 (2006.01) B31B 50/00 (2017.01) B31B 50/10 (2017.01) B31B 50/14 (2017.01) B31B 50/16 (2017.01) B31B 50/25 (2017.01) B26D 1/08 (2006.01) B26D 5/00 (2006.01) B26D 5/06 (2006.01) B26D 7/18 (2006.01) B26D 7/26 (2006.01) B65H 20/06 (2006.01) B26D 1/00 (2006.01)**
[25] EN
[54] **PACKAGING MACHINE INFEED, SEPARATION, AND CREASING MECHANISMS**
[54] **MECANISMES D'ALIMENTATION, DE SEPARATION ET DE RAINAGE DE MACHINE A EMBALLER**
[72] PROVOOST, DAVID MICHEL, BE
[72] DE DYCKER, HERMAN GERMAIN, BE
[72] VAN STEENKISTE, DIMITRI DANIEL RAPHAEL, BE
[72] HAMERLINCK, STEFAAN ALBERT MARIE-LOUISE, BE
[73] AVERCON BVBA, BE
[85] 2020-10-02
[86] 2019-04-05 (PCT/IB2019/052793)
[87] (WO2019/193554)
[30] BE (2018/05232) 2018-04-05
[30] BE (2018/05233) 2018-04-05
[30] US (62/729,762) 2018-09-11
[30] BE (2018/05697) 2018-10-10
[30] US (16/375,579) 2019-04-04

[11] **3,096,148**
[13] C

[51] **Int.Cl. A61M 25/02 (2006.01)**
[25] EN
[54] **SECUREMENT DEVICE HAVING AN INTEGRAL STRAP AND DRESSING**
[54] **DISPOSITIF DE FIXATION AYANT UNE BANDE ET UN PANSEMENT D'UNE SEULE PIECE**
[72] ANDINO, RAFAEL V., US
[72] BROOKS, CHRISTOPHER J., US
[73] C.R. BARD, INC., US
[86] (3096148)
[87] (3096148)
[22] 2014-03-04
[62] 2,897,836
[30] US (61/789,412) 2013-03-15

[11] **3,096,584**
[13] C

[51] **Int.Cl. H04B 1/7105 (2011.01) H04B 1/709 (2011.01)**
[25] EN
[54] **SYMBOL DETECTION IN SHARED WIRELESS CHANNEL**
[54] **DETECTION DE SYMBOLES DANS UN CANAL SANS FIL PARTAGE**
[72] PAJOVIC, MILUTIN, US
[72] ORLIK, PHILIP, US
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-10-08
[86] 2018-12-18 (PCT/JP2018/047421)
[87] (WO2019/215954)
[30] US (15/977,024) 2018-05-11

[11] **3,096,645**
[13] C

[51] **Int.Cl. F16D 59/02 (2006.01) B60T 13/74 (2006.01) F16D 65/14 (2006.01)**
[25] EN
[54] **BRAKE SYSTEM**
[54] **SYSTEME DE FREIN**
[72] TAKANORI, MATSUKI, JP
[73] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[86] (3096645)
[87] (3096645)
[22] 2020-10-20
[30] JP (2019-207423) 2019-11-15

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[11] **3,097,639**
[13] C

[51] **Int.Cl. H04L 25/02 (2006.01)**
[25] EN
[54] **DECODER-ASSISTED ITERATIVE CHANNEL ESTIMATION**
[54] **ESTIMATION ITERATIVE DU CANAL ASSISTEE PAR DECODEUR**
[72] KILIAN, GERD, DE
[72] KNEISSL, JAKOB, DE
[72] OBERNOSTERER, FRANK, DE
[72] MEYER, RAIMUND, DE
[72] GAMM, EBERHARD, DE
[72] ROBERT, JOERG, DE
[72] WECHSLER, JOHANNES, DE
[72] BERNHARD, JOSEF, DE
[72] SCHLICHT, MICHAEL, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[73] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG, DE
[85] 2020-10-19
[86] 2019-04-17 (PCT/EP2019/060006)
[87] (WO2019/202039)
[30] DE (10 2018 206 132.7) 2018-04-20

[11] **3,098,108**
[13] C

[51] **Int.Cl. A61K 31/7048 (2006.01) A23L 33/10 (2016.01) A61K 8/00 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **COMPOSITIONS OF O-GLYCOSYL FLAVONOIDS**
[54] **COMPOSITIONS D'O-GLYCOSYLFLAVONOIDES**
[72] YAMAGUCHI, NAOTO, JP
[72] KIDA, HIROAKI, JP
[72] ONO, MITSUNORI, JP
[73] ALPS PHARMACEUTICAL IND. CO., LTD., JP
[85] 2020-10-22
[86] 2019-04-23 (PCT/JP2019/017262)
[87] (WO2019/208574)
[30] US (62/661,255) 2018-04-23
[30] US (62/720,651) 2018-08-21

[11] **3,098,473**
[13] C

[51] **Int.Cl. F27B 9/06 (2006.01) F26B 17/20 (2006.01) F27B 9/24 (2006.01) F27D 1/04 (2006.01) F27D 3/08 (2006.01) F27D 11/02 (2006.01)**
[25] FR
[54] **HEAT TREATMENT DEVICE COMPRISING A REFRACTORY ENVELOPE**
[54] **DISPOSITIF DE TRAITEMENT THERMIQUE A ENVELOPPE REFRACTAIRE**
[72] LEPEZ, OLIVIER, FR
[72] SAJET, PHILIPPE, FR
[73] E.T.I.A. - EVALUATION TECHNOLOGIQUE, INGENIERIE ET APPLICATIONS, FR
[85] 2020-10-27
[86] 2019-04-08 (PCT/EP2019/058815)
[87] (WO2019/228696)
[30] FR (1854773) 2018-06-01

[11] **3,098,878**
[13] C

[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/04 (2006.01) A42B 3/32 (2006.01) F41H 1/04 (2006.01)**
[25] EN
[54] **PROTECTION ATTACHMENT FOR A HELMET**
[54] **ACCESSOIRE DE PROTECTION DESTINE A UN CASQUE**
[72] O'CONNELL, JASON W., US
[73] GENTEX CORPORATION, US
[85] 2020-10-29
[86] 2019-05-16 (PCT/US2019/032682)
[87] (WO2019/222510)
[30] US (62/672,093) 2018-05-16

[11] **3,099,352**
[13] C

[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **METHOD FOR DECONTAMINATING OXIDE LAYER**
[54] **METHODE POUR DECONTAMINER UNE COUCHE D'OXYDE**
[72] EUN, HEE CHUL, KR
[72] CHOI, WANG KYU, KR
[72] CHANG, NA ON, KR
[72] PARK, SANG YOON, KR
[72] CHOI, BYUNG SEON, KR
[72] WON, HUI JUN, KR
[72] KIM, SEON-BYEONG, KR
[72] SEO, BUM KYOUNG, KR
[73] KOREA ATOMIC ENERGY RESEARCH INSTITUTE, KR
[86] (3099352)
[87] (3099352)
[22] 2020-11-16
[30] KR (10-2020-0036610) 2020-03-26

[11] **3,100,482**
[13] C

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/56 (2006.01) A61F 2/08 (2006.01)**
[25] EN
[54] **SOFT ANCHOR MADE FROM SUTURE FILAMENT AND SUTURE TAPE**
[54] **ANCRAGE MOU CONSTITUE DE FILAMENT DE SUTURE ET DE BANDE DE SUTURE**
[72] LOMBARDO, GIUSEPPE, US
[72] KAM, ANDREW K., US
[72] MILLER, PETER C., US
[72] FITTS, STEVEN E., US
[73] LINVATEC CORPORATION, US
[86] (3100482)
[87] (3100482)
[22] 2012-05-07
[62] 2,834,991
[30] US (61/518,519) 2011-05-06

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[13] C

[51] **Int.Cl. B60R 9/00 (2006.01)**
[25] EN
[54] **LOW PROFILE TOOLBOX AND HEADACHE RACK MOUNTING BRACKET**
[54] **BOITE A OUTILS A PROFIL BAS ET SUPPORT DE MONTAGE POUR CADRE ARRIERE**
[72] CUNNINGHAM, MICHAEL, CA
[73] THI CANADA, INC., D/B/A BACKTRACK, CA
[86] (3100526)
[87] (3100526)
[22] 2020-11-24
[30] US (16/857,396) 2020-04-24

[11] **3,100,567**
[13] C

[51] **Int.Cl. G05D 1/10 (2006.01) B63G 8/14 (2006.01) B64C 19/00 (2006.01)**
[25] EN
[54] **UNMANNED MOVING VEHICLE FOR MONITORING AND SYSTEM INCLUDING SAME**
[54] **VEHICULE MOBILE SANS PILOTE DE SURVEILLANCE ET SYSTEME LE COMPRENANT**
[72] KIM, HYEONG MIN, KR
[73] PABLO AIR CO., LTD., KR
[86] (3100567)
[87] (3100567)
[22] 2020-11-25
[30] KR (10-2020-0046930) 2020-04-17

[11] **3,100,586**
[13] C

[51] **Int.Cl. F16D 1/02 (2006.01) F16D 1/06 (2006.01) F16D 1/112 (2006.01)**
[25] EN
[54] **COUPLER FOR INTERCONNECTING EXTERNALLY SPLINED POWER TAKE OFF SHAFT OF PRIME MOVER AND DRIVELINE OF IMPLEMENT**
[54] **RACCORD POUR L'INTERCONNEXION D'UN ARBRE DE PRISE DE FORCE A CANNELURE EXTERNE D'UN MOTEUR PRIMAIRE ET D'UNE LIGNE D'ARBRES DE TRANSMISSION D'UN APPAREIL**
[72] LOEWEN, JONATHAN S., CA
[73] LIONFORGE INDUSTRIES INC., CA
[86] (3100586)
[87] (3100586)
[22] 2020-11-25
[30] US (62/939,950) 2019-11-25

[11] **3,101,330**
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[25] EN
[54] **REINFORCEMENT MEMBER FOR VEHICLE, AND METHOD FOR MANUFACTURING SAME**
[54] **ELEMENT DE RENFORT POUR VEHICULE ET SON PROCEDE DE FABRICATION**
[72] NOGIWA, KIMIHIRO, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[72] WATANABE, KENTA, JP
[73] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2020-11-23
[86] 2019-08-01 (PCT/JP2019/030299)
[87] (WO2020/027285)
[30] JP (2018-145200) 2018-08-01

[11] **3,102,278**
[13] C

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[25] EN
[54] **PROCESS FOR MAKING HIGH PURITY SALTS OF CIS-CYCLOHEXANE-1,2-DICARBOXYLIC ACID**
[54] **PROCEDE DE FABRICATION DE SELS DE HAUTE PURETE D'ACIDE CIS-CYCLOHEXANE-1,2-DICARBOXYLIQUE**
[72] DOTSON, DARIN L., US
[72] WANG, XIAOYING, CN
[72] LIU, RUI, CN
[73] MILLIKEN & COMPANY, US
[85] 2020-12-01
[86] 2019-06-11 (PCT/US2019/036533)
[87] (WO2020/009783)
[30] US (62/693,085) 2018-07-02

[11] **3,105,422**
[13] C

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[25] FR
[54] **ANTI-CARBON-DIOXIDE MASK**
[54] **MASQUE ANTI-DIOXYDE-DE-CARBONE.**
[72] LY, NHAT SANG, CA
[72] LY, ARIANNE, CA
[73] LY, NHAT SANG, CA
[73] LY, ARIANNE, CA
[86] (3105422)
[87] (3105422)
[22] 2021-01-08

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[25] EN

[54] **BRAKE ACTUATOR FOR MEDICAL DEVICE SUPPORT SYSTEM**

[54] **ACTIONNEUR DE FREIN POUR SYSTEME DE SUPPORT DE DISPOSITIF MEDICAL**

[72] BELLOWS, LANCE CLARK, US
[72] MOHR, CHRISTOPHER ROY, US
[73] AMERICAN STERILIZER COMPANY, US

[85] 2021-01-22
[86] 2019-07-22 (PCT/US2019/042736)
[87] (WO2020/023329)

[30] US (62/702,943) 2018-07-25
[30] US (62/702,946) 2018-07-25
[30] US (62/702,947) 2018-07-25
[30] US (62/702,948) 2018-07-25
[30] US (62/799,096) 2019-01-31
[30] US (62/799,100) 2019-01-31
[30] US (62/799,113) 2019-01-31
[30] US (62/799,202) 2019-01-31
[30] US (62/809,173) 2019-02-22
[30] US (62/825,078) 2019-03-28
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[11] **3,108,300**
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) B29C 65/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INSPECTING A MICROFLUIDIC ROTOR DEVICE**

[54] **SYSTEMES ET PROCEDES D'INSPECTION D'UN DISPOSITIF DE ROTOR MICROFLUIDIQUE**

[72] SHARTLE, ROBERT JUSTICE, US
[72] TRIGUB, GREGORY, US
[73] ZOETIS SERVICES LLC, US

[85] 2021-01-29
[86] 2019-08-22 (PCT/US2019/047634)
[87] (WO2020/041554)

[30] US (62/722,450) 2018-08-24

[11] **3,108,452**
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[54] **MODULAR TENT**

[54] **TENTE MODULAIRE**

[72] KALVANI, BIMAL A., US
[73] KALVANI IP HOLDINGS, LLC., US

[86] (3108452)
[87] (3108452)

[22] 2016-02-16
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[30] US (14/992,943) 2016-01-11

[11] **3,109,406**
[13] C

[51] **Int.Cl. G01B 11/245 (2006.01) G01N 21/88 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SURFACE MODELING USING POLARIZATION CUES**

[54] **SYSTEMES ET METHODES DE MODELISATION DE SURFACE UTILISANT DES INDICES DEPOLARISATION**

[72] KADAMBI, ACHUTA, US
[72] KALRA, AGASTYA, US
[72] RAO, SUPREETH KRISHNA, US
[72] VENKATARAMAN, KARTIK, US
[73] BOSTON POLARIMETRICS, INC., US

[85] 2021-02-08
[86] 2020-09-17 (PCT/US2020/051243)
[87] (WO2021/055585)

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[30] US (63/001,445) 2020-03-29

[11] **3,110,382**
[13] C

[51] **Int.Cl. B65D 1/02 (2006.01) B29C 49/22 (2006.01) B32B 1/02 (2006.01) B32B 7/06 (2019.01) B65D 1/40 (2006.01)**

[25] EN

[54] **DELAMINATION CONTAINER**

[54] **CONTENANT DE DELAMINAGE**

[72] NAKAYAMA, TADAYORI, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP

[86] (3110382)
[87] (3110382)

[22] 2021-02-25
[30] JP (2020-032358) 2020-02-27

[11] **3,110,431**
[13] C

[51] **Int.Cl. A01C 7/18 (2006.01) A01C 7/00 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS AND APPARATUS FOR MULTI-ROW AGRICULTURAL IMPLEMENT CONTROL AND MONITORING**

[54] **SYSTEMES, PROCEDES ET APPAREIL DE COMMANDE ET DE SURVEILLANCE DE MACHINE AGRICOLE MULTIRANGS**

[72] BAURER, PHIL, US
[72] SAUDER, TIMOTHY, US
[72] STOLLER, JASON, US
[72] SAUDER, DEREK(DECEASED), US
[72] HODEL, JEREMY, US
[73] PRECISION PLANTING LLC, US

[86] (3110431)
[87] (3110431)

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[11] **3,110,631**
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[25] EN

[54] **A MONOWHEEL VEHICLE**

[54] **VEHICULE MONO-ROUE**

[72] CAHAN, AMOS, IL
[73] WATT CAR INDUSTRIES LTD., IL

[85] 2021-02-24
[86] 2019-08-26 (PCT/IL2019/050954)
[87] (WO2020/044333)

[30] IL (261534) 2018-09-02

[11] **3,111,326**
[13] C

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[54] **WATER FILTER SYSTEM**

[54] **SYSTEME DE FILTRATION D'EAU**

[72] KRUCKENBERG, CHRISTOPHER A., US
[72] MORRISON, JOHN W., US
[72] SPINDLER, JEFFREY A., US
[73] WHIRLPOOL CORPORATION, US

[86] (3111326)
[87] (3111326)

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- [25] EN
- [54] **ALL-CELLULOSE SUPER ABSORBENT HYDROGELS AND METHOD OF PRODUCING SAME**
- [54] **HYDROGELS SUPER-ABSORBANTS ENTIEREMENT CELLULOSIQUES ET LEUR PROCEDE DE PRODUCTION**
- [72] HAMAD, WADOOD Y., CA
- [72] ATIFI, SIHAM, CA
- [73] FPINNOVATIONS, CA
- [85] 2021-03-05
- [86] 2019-09-06 (PCT/CA2019/051245)
- [87] (WO2020/047670)
- [30] US (62/728,180) 2018-09-07

[11] **3,112,067**
[13] C

- [51] **Int.Cl. G01P 1/02 (2006.01)**
- [25] EN
- [54] **WHEEL SPEED SENSOR ASSEMBLY WITH STEPPED ALIGNMENT KEY**
- [54] **ASSEMBLAGE DE CAPTEUR DE VITESSE DE ROUE AVEC MOTIF D'ALIGNEMENT ETAGE**
- [72] ZHOU, NIANQING, US
- [72] AUGOUSTIDIS, ALEXANDER J., US
- [72] CYDZIK, ANTHONY J., US
- [72] HOWELL, DAVID W., US
- [72] ROHSE, TOBIAS, DE
- [72] JAWARIKAR, PRAVIN, IN
- [72] MLYNARSKI, AMADEUS, DE
- [73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
- [86] (3112067)
- [87] (3112067)
- [22] 2021-03-16
- [30] US (16/835.720) 2020-03-31

[11] **3,112,069**
[13] C

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- [25] EN
- [54] **SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS**
- [54] **SYSTEMES, PROCEDES ET APPAREILS D'IMAGERIE D'UN ECHANTILLON A DES FINS D'ANALYSE BIOLOGIQUE OU CHIMIQUE**
- [72] REED, MARK T., US
- [72] WILLIAMSON, ERIK, US
- [72] CRANE, BRYAN, US
- [72] LEUNG, PATRICK, US
- [72] BUERMANN, DALE, US
- [72] KINDWALL, ALEXANDER P., US
- [72] ERIE, FREDERICK, US
- [72] PRATT, MARK, US
- [72] HARRIS, JASON, US
- [72] CARSON, ANDREW JAMES, US
- [72] HONG, STANLEY S., US
- [72] BRYANT, JASON, US
- [72] WANG, MARK, US
- [72] VERKADE, DREW, US
- [73] ILLUMINA, INC., US
- [86] (3112069)
- [87] (3112069)
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- [62] 3,035,218
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- [30] US (61/431,429) 2011-01-10
- [30] US (61/431,439) 2011-01-11
- [30] US (61/431,440) 2011-01-11
- [30] US (61/438,486) 2011-02-01
- [30] US (61/438,567) 2011-02-01
- [30] US (61/438,530) 2011-02-01
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[11] **3,112,238**
[13] C

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- [25] EN
- [54] **GLUTE PRESS EXERCISE MACHINE**
- [54] **MACHINE D'EXERCICE DE COMPRESSION DE FESSIER**
- [72] MEREDITH, JEFFREY O., US
- [72] HOCKRIDGE, BRUCE, US
- [72] KIM, BILLY Y., US
- [73] HOIST FITNESS SYSTEMS, INC., US
- [85] 2021-03-08
- [86] 2019-09-17 (PCT/US2019/051505)
- [87] (WO2020/061040)
- [30] US (62/732,748) 2018-09-18
- [30] US (62/806,506) 2019-02-15
- [30] US (62/842,175) 2019-05-02

[11] **3,114,623**
[13] C

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- [25] EN
- [54] **COMPOSITION COMPRISING XANOMELINE AND TROSPIUM FOR TREATING DISORDERS AMELIORATED BY MUSCARINIC RECEPTOR ACTIVATION**
- [54] **COMPOSITION COMPRENANT DE LA XANOMELINE ET DU TROSPIUM POUR LE TRAITEMENT DE TROUBLES AMELIORES PAR L'ACTIVATION DU RECEPTEUR MUSCARINIQUE**
- [72] BETANCOURT, AIMESTHER, US
- [72] REHLAENDER, BRUCE, US
- [72] THIBERT, ROCH, US
- [73] KARUNA THERAPEUTICS, INC., US
- [85] 2021-03-26
- [86] 2019-09-27 (PCT/US2019/053429)
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- [30] US (62/738,333) 2018-09-28

[11] **3,114,929**
[13] C

- [51] **Int.Cl. G03G 21/18 (2006.01)**
- [25] EN
- [54] **POWDER CONTAINER AND IMAGE FORMING APPARATUS**
- [54] **RECIPIENT DE POUDRE ET APPAREIL DE FORMATION D'IMAGE**
- [72] HOSOKAWA, HIROSHI, JP
- [72] KATOH, SHUNJI, JP
- [72] KIKUCHI, KENJI, JP
- [72] KUBOKI, SHINGO, JP
- [72] SUZUKI, MICHIHARU, JP
- [72] TAMAKI, SHINJI, JP
- [72] YOSHIZAWA, HIDEO, JP
- [73] RICOH COMPANY, LIMITED, JP
- [86] (3114929)
- [87] (3114929)
- [22] 2014-03-14
- [62] 2,904,494
- [30] JP (2013-054372) 2013-03-15
- [30] JP (2013-054371) 2013-03-15
- [30] JP (2013-110443) 2013-05-24
- [30] JP (2013-110330) 2013-05-24
- [30] JP (2013-146882) 2013-07-12
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[51] **Int.Cl. E02B 3/10 (2006.01) E01F 15/08 (2006.01) E02B 3/04 (2006.01) E02B 7/06 (2006.01) E02B 7/10 (2006.01)**

[25] EN

[54] **STRUCTURE SUPPORTED CONTAINMENT DIKE**

[54] **DIGUE DE CONFINEMENT SUPPORTEE PAR UNE STRUCTURE**

[72] VICKERS, PAUL, CA

[73] P.V. FLOOD CONTROL CORP., CA

[86] (3116541)

[87] (3116541)

[22] 2019-01-24

[62] 3,089,813

[30] US (15/885,689) 2018-01-31

[11] **3,116,570**
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[51] **Int.Cl. C21D 8/12 (2006.01) C22C 38/00 (2006.01) C22C 38/14 (2006.01) C22C 38/60 (2006.01) H01F 1/147 (2006.01) C21D 9/46 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING NON-ORIENTED ELECTRICAL STEEL SHEET**

[54] **PROCEDE DE FABRICATION DE TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES**

[72] ZAIZEN, YOSHIKI, JP

[72] OKUBO, TOMOYUKI, JP

[72] ODA, YOSHIHIKO, JP

[72] MIYAMOTO, YUKINO, JP

[73] JFE STEEL CORPORATION, JP

[85] 2021-04-14

[86] 2019-07-04 (PCT/JP2019/026617)

[87] (WO2020/090156)

[30] JP (2018-205360) 2018-10-31

[11] **3,116,818**
[13] C

[51] **Int.Cl. A63F 13/69 (2014.01) A63F 13/327 (2014.01) A63F 13/822 (2014.01)**

[25] EN

[54] **PHYSICAL ELEMENT LINKED COMPUTER GAMING METHODS AND SYSTEMS**

[54] **PROCEDES ET SYSTEMES DE JEU INFORMATIQUE LIE A UN ELEMENT PHYSIQUE**

[72] MORRISON, CORY WILLIAM, CA

[72] MORRISON, RICHARD THOMAS, CA

[72] AMADOR, RODRIGO ALCIDES, CA

[73] 2575838 ONTARIO INC., CA

[86] (3116818)

[87] (3116818)

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[51] **Int.Cl. A61K 31/454 (2006.01) A61P 25/00 (2006.01) A61P 25/20 (2006.01)**

[25] EN

[54] **METHODS OF USE OF CYCLIC AMIDE DERIVATIVES TO TREAT SCHIZOPHRENIA**

[54] **METHODES D'UTILISATION DE DERIVES D'AMIDE CYCLIQUE POUR TRAITER LA SCHIZOPHRENIE**

[72] LUTHRINGER, REMY HENRI, CH

[72] PELLEGRINI, LORENZO, US

[72] KARABELAS, ARGERIS N., US

[73] MINERVA NEUROSCIENCES, INC., US

[86] (3117855)

[87] (3117855)

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[30] US (61/366,075) 2010-07-20

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[25] EN

[54] **ACOUSTIC RECEIVERS WITH CYLINDRICAL CRYSTALS**

[54] **RECEPTEURS ACOUSTIQUES A CRISTAUX CYLINDRIQUES**

[72] NGUYEN, MINH DANG, SG

[72] CHANG, CHUNG, US

[72] BATES, CLINTON KEITH, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[86] (3119622)

[87] (3119622)

[22] 2017-05-25

[62] 3,022,321

[30] US (62/344,572) 2016-06-02

[11] **3,120,254**
[13] C

[51] **Int.Cl. B01D 39/14 (2006.01) A61L 9/16 (2006.01) A01N 25/34 (2006.01) A01N 47/12 (2006.01) A01N 63/00 (2020.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **FILTERING MATERIAL FOR AIR FILTERS AND METHOD FOR MANUFACTURING FILTERING MATERIAL FOR AIR FILTERS**

[54] **MATERIAU FILTRANT POUR FILTRES A AIR ET PROCEDE POUR LA FABRICATION DE MATERIAU FILTRANT POUR FILTRES A AIR**

[72] NARIYUKI, AKANE, JP

[72] ISHIDA, MITSUHIRO, JP

[72] NASHIDA, TOSHIYA, JP

[72] TOZUKA, KAORI, JP

[72] INA, KANAKO, JP

[73] NIKKI-UNIVERSAL CO., LTD., JP

[85] 2021-05-17

[86] 2019-08-02 (PCT/JP2019/030473)

[87] (WO2020/105227)

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[25] EN

[54] **WELDABLE, FULLY ADHERED WATERPROOFING MEMBRANE SYSTEM FOR BLINDSIDE WATERPROOFING APPLICATIONS**

[54] **SYSTEME A MEMBRANE D'IMPERMEABILISATION SOUDABLE ENTIEREMENT ADHERE POUR APPLICATIONS D'IMPERMEABILISATION A L'AVEUGLETTE**

[72] LEDFORD, JOHN, US

[72] GISH, BRIAN, US

[72] VINSON, ROSS, US

[72] VITALE, TONY, US

[72] DIGIOVANNI, PETER, US

[72] TEPERA, JUSTIN, US

[72] VELTEN, STEVE, US

[73] CARLISLE CONSTRUCTION MATERIALS, LLC, US

[85] 2021-05-21

[86] 2019-11-25 (PCT/US2019/062999)

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[30] US (62/775,262) 2018-12-04

[11] **3,122,346**
[13] C

[51] **Int.Cl. G06V 20/52 (2022.01) G06N 20/00 (2019.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06V 20/54 (2022.01) G06N 3/02 (2006.01)**

[25] EN

[54] **CROWDSOURCED ON-DEMAND AI DATA ANNOTATION, COLLECTION AND PROCESSING**

[54] **ANNOTATION, COLLECTE ET TRAITEMENT SUR DEMANDE DE DONNEES D'IA A EXTERNALISATION OUVERTE**

[72] RATTI, JAYANT, IN

[72] BOSE, ABHISHEK, IN

[72] KASHYAP, PUNEET, IN

[73] RATTI, JAYANT, IN

[85] 2021-06-05

[86] 2020-11-27 (PCT/IB2020/061226)

[87] (WO2021/105950)

[30] US (16/699,408) 2019-11-29

[11] **3,123,154**
[13] C

[51] **Int.Cl. H01M 8/1286 (2016.01) H01M 8/0254 (2016.01) H01M 8/0273 (2016.01) H01M 8/2432 (2016.01) H01M 8/2483 (2016.01)**

[25] EN

[54] **FUEL CELL UNIT HAVING FLANGED PERIMETER FEATURES AND FUEL CELL STACK**

[54] **UNITE DE PILE A COMBUSTIBLE AYANT DES CARACTERISTIQUES DE PERIMETRE A BORD TOMBE ET ASSEMBLAGE DE PILES A COMBUSTIBLE**

[72] REES, LEE DAVID, GB

[72] FREEMAN, EUAN NORMAN HARVEY, GB

[72] DOMANSKI, TOMASZ, GB

[72] NOBBS, CHRISTOPHER JAMES, GB

[73] CERES INTELLECTUAL PROPERTY COMPANY LIMITED, GB

[85] 2021-06-11

[86] 2019-12-03 (PCT/EP2019/083549)

[87] (WO2020/126486)

[30] GB (1820805.8) 2018-12-20

[30] GB (1915440.0) 2019-10-24

[11] **3,123,658**
[13] C

[51] **Int.Cl. G06Q 20/40 (2012.01) H04L 9/06 (2006.01) H04L 9/08 (2006.01)**

[25] EN

[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**

[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**

[72] ZHANG, YI, CN

[73] 10353744 CANADA LTD., CA

[86] (3123658)

[87] (3123658)

[22] 2015-07-21

[62] 2,993,090

[11] **3,124,169**
[13] C

[51] **Int.Cl. A61L 31/02 (2006.01)**

[25] FR

[54] **DEVICE FOR GUIDED BONE REGENERATION AND PRODUCTION METHOD**

[54] **DISPOSITIF DE REGENERATION OSSEUSE GUIDEE ET PROCEDE DE FABRICATION**

[72] BADAOU, RALPHE, FR

[72] NAMMOUR, JOSEPH, FR

[73] ZIRBONE, FR

[85] 2021-06-18

[86] 2019-12-17 (PCT/EP2019/085686)

[87] (WO2020/127291)

[30] EP (18306770.1) 2018-12-20

[11] **3,126,602**
[13] C

[51] **Int.Cl. C10M 133/56 (2006.01)**

[25] EN

[54] **ENGINE OILS FOR SOOT HANDLING AND FRICTION REDUCTION**

[54] **HUILES MOTEUR POUR LA MANIPULATION DE SUIE ET LA REDUCTION DE FROTTEMENT**

[72] LOPER, JOHN, US

[73] AFTON CHEMICAL CORPORATION, US

[85] 2021-07-13

[86] 2019-12-06 (PCT/US2019/064934)

[87] (WO2020/149958)

[30] US (16/251,459) 2019-01-18

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[13] C

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[25] EN

[54] **GREEN BEAN PLANTS WITH IMPROVED DISEASE RESISTANCE**

[54] **PLANTES DE HARICOT VERT PRESENTANT UNE RESISTANCE AMELIOREE AUX MALADIES**

[72] EVANS, ELLEN L., US
[72] KMIETIK, KENNETH, US
[72] KRAMER, CHAD, US
[72] OPPELAAR, ARIE, US
[73] SEMINIS VEGETABLE SEEDS, INC., US

[85] 2021-07-13
[86] 2020-01-13 (PCT/US2020/013338)
[87] (WO2020/150144)
[30] US (62/792,814) 2019-01-15

[11] **3,129,338**
[13] C

[51] **Int.Cl. C01B 32/05 (2017.01) C01C 3/18 (2006.01) C07C 277/02 (2006.01) C07C 279/28 (2006.01)**

[25] EN

[54] **INTEGRATED SYNTHESIS OF COMMODITY CHEMICALS FROM WASTE PLASTIC**

[54] **SYNTHESE INTEGREE DE PRODUITS CHIMIQUES DE MARCHANDISES A PARTIR DE DECHETS PLASTIQUES**

[72] HULTINE, J. DUSTIN, US
[72] GRAUPNER, ROBERT KURT, US
[73] THG, LLC, US

[85] 2021-08-05
[86] 2020-04-07 (PCT/US2020/027098)
[87] (WO2020/210252)
[30] US (62/920,133) 2019-04-12
[30] US (62/922,000) 2019-07-17
[30] US (16/834,720) 2020-03-30

[11] **3,129,454**
[13] C

[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/856 (2013.01) A61F 2/89 (2013.01)**

[25] EN

[54] **FLOW RESTRICTING STENT-GRAFT**

[54] **ENDOPROTHESE COUVERTE A RESTRICTION D'ECOULEMENT**

[72] EL AZOUZI, YOUSSEF, MA
[72] GANIY, SALEEM ABDUL, US
[73] AORTO MEDICAL LLC, MA

[85] 2021-08-06
[86] 2020-02-14 (PCT/US2020/018323)
[87] (WO2020/168216)
[30] US (62/806,855) 2019-02-17
[30] US (62/816,395) 2019-03-11
[30] US (62/837,324) 2019-04-23
[30] US (62/899,914) 2019-09-13
[30] US (62/902,462) 2019-09-19

[11] **3,131,164**
[13] C

[51] **Int.Cl. G01R 1/20 (2006.01)**

[25] EN

[54] **CENTRALIZED ECU DEVELOPMENT AND TEST SYSTEM**

[54] **SYSTEME DE CONCEPTION ET D'ESSAI D'UNITE DE COMMANDE ELECTRONIQUE CENTRALISE**

[72] LIU, JI, CN
[72] LI, ZHENKUN, CN
[72] CAI, JIYE, CN
[73] SHANGHAI SHINEROAD AUTOMOBILE TECHNOLOGY CO., LTD., CN

[85] 2022-01-06
[86] 2021-03-18 (PCT/CN2021/081602)
[87] (WO2021/213092)
[30] CN (202010932072.5) 2020-09-08

[11] **3,131,262**
[13] C

[51] **Int.Cl. G01D 21/00 (2006.01) A01B 76/00 (2006.01) A01C 1/00 (2006.01) G07C 3/00 (2006.01)**

[25] EN

[54] **GEOSPATIAL AGGREGATING AND LAYERING OF FIELD DATA**

[54] **AGREGATION ET MISE EN COUCHE GEOSPATIALE DES DONNEES SUR LE TERRAIN**

[72] TATGE, JASON G., US
[72] CARENZA, JONATHAN S., US
[72] TYNES, SARAH MICHELLE, US
[72] GROVES, TYRONE AVERY, US
[73] FARMOBILE LLC, US

[86] (3131262)
[87] (3131262)
[22] 2021-09-17
[30] US (17/024,308) 2020-09-17

[11] **3,135,382**
[13] C

[51] **Int.Cl. A63F 3/00 (2006.01)**

[25] EN

[54] **GAME TILE SYSTEM**

[54] **SYSTEME DE JEU DE TUILES**

[72] ZIRAN, JUSTIN, US
[72] DELONG, CHAS, US
[72] KINSELLA, BRYAN, US
[72] PIEZAS, JOSH, US
[73] NATIONAL ENTERTAINMENT COLLECTIBLES ASSOCIATION, INC., US

[85] 2021-09-28
[86] 2020-04-01 (PCT/US2020/026244)
[87] (WO2020/206018)
[30] US (62/827,821) 2019-04-01
[30] US (62/950,576) 2019-12-19

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[11] **3,136,486**
[13] C

[51] **Int.Cl. B28B 11/24 (2006.01) B28B 11/00 (2006.01) B28B 13/06 (2006.01) B28C 5/00 (2006.01) B28C 7/04 (2006.01) C04B 28/08 (2006.01) C04B 40/02 (2006.01)**

[25] EN

[54] **CARBONATION CURING METHOD TO PRODUCE WET-CAST SLAG-BASED CONCRETE PRODUCTS**

[54] **PROCEDE DE DURCISSEMENT PAR CARBONATATION POUR PRODUIRE DES PRODUITS EN BETON A BASE DE LAITIER COULES PAR VOIE HUMIDE**

[72] MAHOUTIAN, MEHRDAD, CA

[73] CARBICRETE INC., CA

[85] 2021-10-08

[86] 2020-04-09 (PCT/CA2020/050467)

[87] (WO2020/206541)

[30] US (62/832,966) 2019-04-12

[11] **3,139,142**
[13] C

[51] **Int.Cl. C12Q 1/6869 (2018.01) C12M 1/34 (2006.01) G01M 11/02 (2006.01) G01N 21/64 (2006.01) G01N 21/84 (2006.01) G02B 3/00 (2006.01) G02B 21/36 (2006.01) G02B 27/32 (2006.01)**

[25] EN

[54] **OPTICAL DISTORTION CORRECTION FOR IMAGED SAMPLES**

[54] **CORRECTION DE DISTORSION OPTIQUE DESTINEE A DES ECHANTILLONS IMAGES**

[72] LANGLOIS, ROBERT, US

[72] BELITZ, PAUL, US

[73] ILLUMINA, INC., US

[86] (3139142)

[87] (3139142)

[22] 2018-02-26

[62] 2,996,541

[30] US (62/468,347) 2017-03-07

[30] NL (N2018852) 2017-05-05

[11] **3,141,669**
[13] C

[51] **Int.Cl. H02M 5/293 (2006.01) H02M 1/32 (2007.01) H02M 1/36 (2007.01) H02M 1/12 (2006.01) H02M 5/12 (2006.01) H02M 5/257 (2006.01) H05B 7/144 (2006.01)**

[25] EN

[54] **ARC FURNACE POWER SUPPLY WITH CONVERTER CIRCUIT**

[54] **ALIMENTATION ELECTRIQUE DE FOUR A ARC AVEC CIRCUIT DE CONVERTISSEUR**

[72] STEIMER, PETER KARL, CH

[73] ABB SCHWEIZ AG, CH

[85] 2021-11-23

[86] 2020-04-30 (PCT/EP2020/062153)

[87] (WO2020/259900)

[30] EP (19182897.9) 2019-06-27

[11] **3,149,808**
[13] C

[51] **Int.Cl. G06F 21/32 (2013.01) G06V 40/16 (2022.01) G06V 40/40 (2022.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CREATION AND USE OF DIGITAL IDENTIFICATION**

[54] **PROCEDE ET APPAREIL DE CREATION ET D'UTILISATION D'IDENTIFICATION NUMERIQUE**

[72] TUSSY, KEVIN ALAN, US

[72] ROSE, JOSH, US

[73] FACETEC, INC., US

[85] 2022-02-03

[86] 2020-08-13 (PCT/US2020/046245)

[87] (WO2021/030634)

[30] US (16/539,950) 2019-08-13

[11] **3,152,275**
[13] C

[51] **Int.Cl. G01N 35/04 (2006.01)**

[25] EN

[54] **RECEPTACLE TRANSPORT CARRIERS**

[54] **SUPPORTS DE TRANSPORT DE RECIPIENTS**

[72] SILBERT, ROLF, US

[73] GEN-PROBE INCORPORATED, US

[85] 2022-02-23

[86] 2020-08-26 (PCT/US2020/047990)

[87] (WO2021/041537)

[30] US (62/891,728) 2019-08-26

[30] US (62/951,019) 2019-12-20

[11] **3,154,361**
[13] C

[51] **Int.Cl. A01B 15/16 (2006.01)**

[25] EN

[54] **DISC OPENER SCRAPER WITH INSERT FOR STRAW WRAP PREVENTION, WEAR REDUCTION AND SEED GUIDANCE, AND WELDED SLOT-POSITIONED WING MEMBER**

[54] **RACLOIR DE SEMOIR A DISQUE AVEC PIECE RAPPORTEE POUR EMPECHER L'ENROULEMENT DE LA PAILLE, REDUIRE L'USURE ET GUIDER LES SEMENCES, ET ELEMENT D'AILE SOUDE POSITIONNE DANS UNE FENTE**

[72] ARKSEY, DONALD, CA

[73] ATOM JET INDUSTRIES (2002) LTD., CA

[86] (3154361)

[87] (3154361)

[22] 2017-04-06

[62] 2,963,479

[11] **3,156,957**
[13] C

[51] **Int.Cl. A22C 21/04 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR SCALDING SLAUGHTERED POULTRY**

[54] **DISPOSITIF ET PROCEDE D'ECHAUDAGE DE VOLAILLES ABATTUES**

[72] JENSEN, JONAS, DK

[72] NIELSEN, KARSTEN, DK

[72] THORUP, PER, DK

[73] BAADER FOOD SYSTEMS DENMARK A/S, DK

[85] 2022-05-02

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[87] (WO2021/175438)

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[11] **3,157,297**
[13] C

[51] **Int.Cl. B60R 25/30 (2013.01) B60R 25/102 (2013.01)**
[25] EN
[54] **VEHICLE COVER AND INTEGRATED SECURITY SYSTEM**
[54] **COUVERTURE DE VEHICULE ET SYSTEME DE SECURITE INTEGRE**
[72] MELLICK, DAVID ALLEN, US
[72] MOLVIK, PATRICK MICHAEL, US
[72] BITTICK, ROBERT DEAN, US
[72] DANIELS, LISA MARIE, US
[73] SINCHTECH COVERS, LLC, US
[85] 2022-05-04
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[87] (WO2021/096900)
[30] US (62/933,623) 2019-11-11
[30] US (62/970,805) 2020-02-06
[30] US (17/001,923) 2020-08-25

[11] **3,157,632**
[13] C

[51] **Int.Cl. F15B 15/14 (2006.01) F15B 15/22 (2006.01)**
[25] EN
[54] **PNEUMATIC CYLINDER**
[54] **VERIN PNEUMATIQUE**
[72] VANDERWEIDE, KAREN M., US
[73] DADCO, INC., US
[85] 2022-05-06
[86] 2020-12-03 (PCT/US2020/063175)
[87] (WO2021/113556)
[30] US (62/943,898) 2019-12-05
[30] US (62/990,371) 2020-03-16

[11] **3,158,341**
[13] C

[51] **Int.Cl. F16D 43/20 (2006.01) F16D 7/02 (2006.01)**
[25] EN
[54] **BIDIRECTIONAL TORQUE LIMITER**
[54] **LIMITEUR DE COUPLE BIDIRECTIONNEL**
[72] ISOBE, TARO, JP
[73] ORIGIN COMPANY, LIMITED, JP
[85] 2022-04-19
[86] 2020-09-30 (PCT/JP2020/037305)
[87] (WO2021/260961)
[30] JP (2020-107249) 2020-06-22

[11] **3,159,184**
[13] C

[51] **Int.Cl. G06Q 30/0601 (2023.01)**
[25] EN
[54] **DETERMINING RECOMMENDED ITEMS FOR A SHOPPING LIST**
[54] **DETERMINATION D'ARTICLES RECOMMANDES POUR UNE LISTE D'ACHATS**
[72] ARCHAK, SHRIKAR, US
[72] RAO KARIKURVE, SHARATH, US
[73] MAPLEBEAR INC. (DBA INSTACART), US
[85] 2022-05-20
[86] 2020-12-17 (PCT/US2020/065510)
[87] (WO2021/133625)
[30] US (16/725,503) 2019-12-23

[11] **3,159,734**
[13] C

[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/26 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **HEMODIALYSIS SYSTEM RESERVOIR LEVEL SENSOR**
[54] **CAPTEUR DE NIVEAU DE RESERVOIR DE SYSTEME D'HEMODIALYSE**
[72] MITROVIC, MIROSLAV, US
[72] DANDLER, ANDRES, US
[72] POPPE, CLAYTON, US
[72] BOYLE, DYLAN, US
[73] DIALITY INC., US
[85] 2022-05-26
[86] 2020-10-29 (PCT/US2020/057995)
[87] (WO2021/091767)
[30] US (62/930,740) 2019-11-05
[30] US (17/021,446) 2020-09-15

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[21] **3,123,214**
[13] A1
[51] **Int.Cl. E21B 43/34 (2006.01)**
[25] EN
[54] **PROCESS FOR THE REDUCTION OF FLARING/VENTING GASES DURING COMPLETIONS OPERATIONS**
[54] **PROCEDE DE REDUCTION DES GAZ TORCHES/REJETES PENDANT LES OPERATIONS DE COMPLETIONS**
[72] BISSELL, SCOTT, CA
[72] MCNEIL, RANDAL, CA
[72] SELLERS, RYON, CA
[72] NGUYEN, JUSTIN, CA
[72] GARAGAN, BRAYDON, CA
[71] TARA ENERGY SERVICES INC., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,218**
[13] A1
[51] **Int.Cl. C23C 4/123 (2016.01) C08J 7/00 (2006.01) C08J 7/06 (2006.01) F28F 21/08 (2006.01) H01L 23/34 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR THERMAL SPRAY DEPOSITION FOR PRODUCTION OF HEAT TRANSFER DEVICES**
[54] **PROCEDES ET SYSTEMES POUR LE DEPOT DE PROJECTION A CHAUD AUX FINS DE PRODUCTION DE DISPOSITIFS DE TRANSFERT THERMIQUE**
[72] CHANDRA, SANJEEV, CA
[72] VARMA RAMARAJU, RAMGOPAL, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,240**
[13] A1
[51] **Int.Cl. B02C 19/00 (2006.01) B02C 23/08 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING FINES STREAM DERIVED FROM WASTE PROCESSING FACILITIES**
[54] **PROCEDE DE TRAITEMENT DU FLUX DE FINES DERIVE DES INSTALLATIONS DE TRAITEMENT DES DECHETS**
[72] BELANGER, NICOLAS, BM
[72] MUELLER, CHRISTOPHER, BM
[72] DROLET, MICHAEL, BM
[72] EVERSON, PETER, BM
[72] WARD, TERRI, BM
[71] TORXX KINETIC PULVERIZER LIMITED, BM
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,244**
[13] A1
[51] **Int.Cl. B67D 1/12 (2006.01)**
[25] EN
[54] **BEVERAGE DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BREUVAGE**
[72] CASTONGUAY, MATHIEU, CA
[71] SYSTEMES MCED INC., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,245**
[13] A1
[51] **Int.Cl. B29B 9/16 (2006.01) B29B 9/10 (2006.01)**
[25] EN
[54] **ANTISTATIC PELLETS AND THEIR METHOD OF MANUFACTURE**
[54] **PASTILLES ANTISTATIQUES ET METHODE DE FABRICATION**
[72] WONG, SHE CHIT, HK
[71] RLPS GREEN TECHNOLOGY INC., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,259**
[13] A1
[51] **Int.Cl. A61H 99/00 (2006.01) A61B 5/0205 (2006.01) A61F 5/34 (2006.01)**
[25] EN
[54] **ADULT PLEASURE ENHANCEMENT NECK PRESSURE CUFF WITH SAFETY RELEASE**
[54] **COLLIER ETRANGLEUR AMELIORANT LE PLAISIR ADULTE COMPRENANT UN MECANISME DE LIBERATION DE SECURITE**
[72] MCMURREN, LINDSAY LEANNE, CA
[72] RICHARDSON, BRADLEY DANIEL, CA
[72] BAILEY, SEAN WILLIAM, CA
[71] MCMURREN, LINDSAY LEANNE, CA
[71] RICHARDSON, BRADLEY DANIEL, CA
[71] BAILEY, SEAN WILLIAM, CA
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[41] 2022-12-25

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[21] **3,123,262**
[13] A1

[51] **Int.Cl. B60R 9/10 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **BICYCLE CARRIER APPARATUS, KITS, METHODS, AND SYSTEMS**
[54] **APPAREIL DE SUPPORT A VELO, TROUSSES, METHODES ET SYSTEMES**
[72] HLADIK, MIREK, CA
[71] HLADIK, MIREK, CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,271**
[13] A1

[51] **Int.Cl. A01G 9/26 (2006.01) A01G 22/00 (2018.01) A01G 15/00 (2006.01) A01G 31/02 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **CANNABIS GROWTH SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT DE CROISSANCE DU CANNABIS**
[72] BITZ, DANIEL MICHAEL, CA
[71] BITZ, DANIEL MICHAEL, CA
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[41] 2022-12-25

[21] **3,123,274**
[13] A1

[51] **Int.Cl. B21D 26/021 (2011.01) C04B 38/10 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR CHEMICAL SHEET METAL FORMING**
[54] **METHODE ET APPAREIL DE FORMAGE CHIMIQUE DE TOLE**
[72] RABIEI, SIAMAK, CA
[72] ABBASIAN, REZA, IR
[72] MARJANIAN, ALI, IR
[71] RABIEI, SIAMAK, CA
[71] ABBASIAN, REZA, IR
[71] MARJANIAN, ALI, IR
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,281**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) E21B 43/24 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR OIL PRODUCTION FORECASTING**
[54] **APPAREIL ET METHODE DE PREVISION DE PRODUCTION PETROLIERE**
[72] BENZVI, AMOS, CA
[72] HUNYINBO, SEYIDE, CA
[72] LEUNG, JULIANA Y., CA
[72] PRINCE, AZOM, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,327**
[13] A1

[51] **Int.Cl. H01H 21/54 (2006.01) H01H 31/28 (2006.01)**
[25] EN
[54] **VERTICAL BREAK DISCONNECT SWITCH**
[54] **SECTIONNEUR DE FREIN VERTICAL**
[72] CARR, ARTHUR L., CA
[71] BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, CA
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,340**
[13] A1

[51] **Int.Cl. A47K 3/00 (2006.01) B63B 34/52 (2020.01) A47K 17/00 (2006.01) A61H 33/00 (2006.01)**
[25] EN
[54] **FLOTATION ASSISTANCE DEVICE FOR USE IN BATHING APPLICATIONS**
[54] **DISPOSITIF D'AIDE A LA FLOTTABILITE A UTILISER DANS DES APPLICATIONS DE BAIN**
[72] MARCELLA, MEAGAN, CA
[71] MARCELLA, MEAGAN, CA
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,401**
[13] A1

[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 50/02 (2012.01)**
[25] EN
[54] **METHOD OF TRADING IN MINERALS**
[54] **METHODE DE COMMERCE DE MINERAIS**
[72] RICKARD, DANIEL, CA
[72] RICKARD, PHILLIP, CA
[72] DE LA FUENTE, FABIAN, CA
[71] PRISTINE MINING INC., CA
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,404**
[13] A1

[51] **Int.Cl. A61G 10/00 (2006.01) F24F 8/95 (2021.01) A61G 10/02 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **DISPERSAL AND EXPOSURE CHAMBER SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE CHAMBRE DE DISPERSION ET D'EXPOSITION**
[72] HAYA, LAURA, CA
[72] KELLY, SUZANNE, CA
[72] MATIDA, EDGAR, CA
[72] MEHRI, RYM, CA
[72] YANG, WILLIAM, CA
[72] VAN DE MOSSELAER, STEFAN, CA
[71] RED MAPLE TRIALS INC., CA
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,406**
[13] A1

[51] **Int.Cl. B60L 7/10 (2006.01)**
[25] EN
[54] **MAGNETIC AXLE GENERATOR**
[54] **GENERATRICE D'ESSIEU MAGNETIQUE**
[72] HALLELUJAH, PAUL, CA
[71] HALLELUJAH, PAUL, CA
[22] 2021-06-28
[41] 2022-12-28

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[13] A1

[51] **Int.Cl. G01G 17/00 (2006.01) A01K 61/10 (2017.01) A01K 61/95 (2017.01) G01N 21/84 (2006.01)**

[25] EN

[54] **SYSTEM AND RELATED METHODS FOR AUTOMATED LANDING DATA COLLECTION AND VERIFICATION**

[54] **SYSTEME ET METHODES CONNEXES POUR LA COLLECTE ET LA VERIFICATION AUTOMATISEES DE DONNEES SUR LES DEBARQUEMENTS**

[72] LIU, SHIWEI, CA
[72] YANG, FENGZE, CA
[72] HUANG, LIANG, CA
[72] LU, FRED, CA
[72] ZHANG, RAN, CN
[71] LIU, SHIWEI, CA
[71] YANG, FENGZE, CA
[71] HUANG, LIANG, CA
[71] LU, FRED, CA
[71] ZHANG, RAN, CN
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,427**
[13] A1

[51] **Int.Cl. F16K 37/00 (2006.01) E21B 34/00 (2006.01) E21B 34/02 (2006.01) G01S 13/88 (2006.01) G01S 15/88 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEM, AND METHOD FOR INDICATING A POSITION OF VALVE OF WELLSITE EQUIPMENT**

[54] **APPAREIL, SYSTEME ET METHODE POUR INDIQUER UNE POSITION D'UNE VANNE DE MATERIEL DE SITE DE PUIITS**

[72] DUNCAN, ROBERT, CA
[72] MOHAMMAD, MURAD, CA
[72] HARPER, LINDSEY WILLIAM, CA
[71] INTELLIGENT WELLHEAD SYSTEMS INC., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,431**
[13] A1

[51] **Int.Cl. F16M 13/00 (2006.01)**

[25] EN

[54] **BRACKET FOR SECURING VERTICALLY EXTENDING ELEMENTS**

[54] **D-ELEMENTS S-ETENDANT VERTICALEMENT**

[72] UNGER, CORNELIA, CA
[71] TRELISK PRODUCTS LTD., CA
[22] 2021-06-25
[41] 2022-12-25

[21] **3,123,439**
[13] A1

[51] **Int.Cl. F02D 39/04 (2006.01) F01N 11/00 (2006.01) F02D 23/00 (2006.01) F02D 43/00 (2006.01)**

[25] EN

[54] **ENGINE CONTROL SYSTEM AND METHODS**

[54] **SYSTEME DE COMMANDE MOTEUR ET METHODES**

[72] FUHRMAN, ALEXANDER KONRAD, US
[72] SCHLEY, MICHAEL KEVIN, US
[71] ARCTIC CAT INC., US
[22] 2021-06-29
[41] 2022-12-29

[21] **3,123,523**
[13] A1

[51] **Int.Cl. B26B 21/14 (2006.01)**

[25] EN

[54] **SAFETY RAZOR**

[54] **RASOIR DE SURETE**

[72] JANTZI, BRAD, CA
[72] ENTER, KEVIN, CA
[71] 2754980 ONTARIO INC., CA
[22] 2021-06-28
[41] 2022-12-28

[21] **3,123,542**
[13] A1

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

[25] EN

[54] **PREPARATION OF DESICCATED LIPOSOMES FOR USE IN COMPRESSIBLE DELIVERY SYSTEMS**

[54] **PREPARATION DE LIPOSOMES DESSECHES A UTILISER DANS LES SYSTEMES DE DISTRIBUTION COMPRIMABLES**

[72] FARBER, MICHAEL, US
[71] MOUNTAIN VALLEY MD INC., CA
[22] 2021-06-29
[41] 2022-12-29

[21] **3,123,568**
[13] A1

[51] **Int.Cl. F24F 1/028 (2019.01) E06B 7/28 (2006.01) F16L 5/00 (2006.01) F24F 13/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR ATTACHMENT OF AC UNIT VENTS TO CASEMENT OR AWNING WINDOWS**

[54] **SYSTEME POUR ATTACHER DES EVENTS D'UNITE DE CLIMATISATION A UN BATTANT OU A UNE FENETRE-AUVENT**

[72] LOCK, BARBARA LYNN, CA
[72] LOCK, JONATHAN NEIL, CA
[71] LOCK, BARBARA LYNN, CA
[71] LOCK, JONATHAN NEIL, CA
[22] 2021-06-30
[41] 2022-12-30

[21] **3,123,654**
[13] A1

[25] EN

[54] **PAY PER VIEW RIGHTS ENTERTAINMENT/SPORTS EVENTS**

[54] **EVENEMENTS DE DIVERTISSEMENT/SPORT A LA CARTE**

[72] OLASON, CAROLIN, CA
[71] OLASON, CAROLIN, CA
[22] 2021-06-28
[41] 2022-12-28

**Canadian Applications Open to Public Inspection
December 25, 2022 to December 31, 2022**

[21] **3,123,661**
[13] A1

[51] **Int.Cl. D06F 81/14 (2006.01) B66D 1/04 (2006.01) F16G 11/12 (2006.01)**
[25] EN
[54] **DEVICE FOR TENSIONING A DRAWCORD OF AN IRONING BOARD COVER**
[54] **DISPOSITIF DE TENSIONNEMENT D'UN CORDON DE SERRAGE D'UNE COUVERTURE DE PLANCHE A REPASSER**
[72] POLLMANN, KARL, DE
[71] INPRO B.V., NL
[22] 2021-06-29
[41] 2022-12-29

[21] **3,123,668**
[13] A1

[51] **Int.Cl. G01D 21/02 (2006.01) G05D 23/19 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REGULATING AND MONITORING ATTRIBUTES OF STORED GOODS**
[54] **SYSTEME ET METHODE POUR CONTROLER ET SURVEILLER DES ATTRIBUTS DE BIENS STOCKES**
[72] JAISINGHANI, RAHUL, CA
[72] JAISINGHANI, DINESH, IN
[72] DAHDLY, AMRITPAL SINGH, CA
[71] JAISINGHANI, RAHUL, CA
[22] 2021-06-30
[41] 2022-12-30

[21] **3,123,732**
[13] A1

[51] **Int.Cl. C07D 217/22 (2006.01) A61K 31/47 (2006.01) A61K 31/472 (2006.01) A61P 1/06 (2006.01) A61P 1/16 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) C07D 215/36 (2006.01)**
[25] EN
[54] **NOVEL ISOQUINOLINE DERIVATIVE, PREPARING METHOD THEREOF, AND PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING AUTOPHAGY RELATED DISEASES CONTAINING IN THE SAME AS AN ACTIVE INGREDIENT**
[54] **NOUVEAU DERIVE D'ISOQUINOLINE, METHODE DE PREPARATION ET COMPOSITION PHARMACEUTIQUE POUR PREVENIR OU TRAITER LES MALADIES LIEES A L'AUTOPHAGIE CONTENANT LE DERIVE COMME INGREDIENT ACTIF**
[72] BAE, MYUNG-AE, KR
[72] SHIN, DAE-SEOP, KR
[72] YANG, JUNG YOON, KR
[72] HWANG, KYU SEOK, KR
[72] KIM, SEONG SOON, KR
[72] LEE, BYUNG HOI, KR
[72] KIM, KI YOUNG, KR
[72] JUNG, WON HOON, KR
[72] WOO, JAE CHUN, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[22] 2021-06-30
[41] 2022-12-30

[21] **3,124,051**
[13] A1

[51] **Int.Cl. A45C 9/00 (2006.01) A63B 69/38 (2006.01) A63B 69/40 (2006.01)**
[25] EN
[54] **FUNCTION IMPROVEMENT OF THE TENNIS TRAINING BAG PATENT #3083865**
[54] **AMELIORATION DE FONCTION DU BREVET DE SAC D'ENTRAINEMENT DE TENNIS NO 3083865**
[72] LAM-THIEN, BA, CA
[71] LAM-THIEN, BA, CA
[22] 2021-06-29
[41] 2022-12-29

[21] **3,126,303**
[13] A1

[51] **Int.Cl. B60L 53/60 (2019.01) B60L 53/66 (2019.01) B60L 53/68 (2019.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGING SYSTEM AND METHOD THEREOF FOR PROVIDING ADDITIONAL SERVICES**
[54] **SYSTEME DE RECHARGE DE VEHICULE ELECTRIQUE ET METHODE CONNEXE POUR OFFRIR D'AUTRES SERVICES**
[72] BAE, KYUNG SOO, KR
[72] KIM, SANG HO, KR
[71] DAEYOUNG CHAEVI CO., LTD., KR
[22] 2021-07-29
[41] 2022-12-30
[30] KR (10-2021-0086083) 2021-06-30
[30] US (17/443,182) 2021-07-21

[21] **3,126,514**
[13] A1

[51] **Int.Cl. A61K 6/884 (2020.01) A61K 6/60 (2020.01) A61K 6/887 (2020.01)**
[25] EN
[54] **SURFACE TREATMENT COMPOSITION FOR DENTAL FILLERS AND METHOD OF MAKING THE SAME**
[54] **COMPOSITION DE TRAITEMENT DE SURFACE POUR MATERIAUX D'OBTURATION DENTAIRE ET METHODE DE FABRICATION**
[72] XUE, TENG, US
[72] BUI, VY, US
[72] HUANG, WEIJIE, US
[72] QIAN, XUEJUN, US
[72] NGUYEN, ELAINE, US
[71] KERR CORPORATION, US
[22] 2021-07-30
[41] 2022-12-30
[30] US (17/363,110) 2021-06-30

Demandes canadiennes mises à la disponibilité du public
25 décembre 2022 au 31 décembre 2022

[21] **3,130,143**
[13] A1

[51] **Int.Cl. B60G 99/00 (2010.01) B60K 1/04 (2019.01) B60L 8/00 (2006.01)**

[25] EN

[54] **ELECTROMAGNETIC AIRBORNE HYBRID VEHICLE**

[54] **VEHICULE HYBRIDE AERIEN ELECTROMAGNETIQUE**

[72] SHARMA, MUKESH, CA

[71] SHARMA, MUKESH, CA

[22] 2021-09-08

[41] 2022-12-25

[30] US (17/446,991) 2021-09-07

[30] IN (202111028531) 2021-06-25

[21] **3,135,462**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/24 (2006.01) F04B 19/04 (2006.01) F04B 23/04 (2006.01) F04B 49/22 (2006.01)**

[25] EN

[54] **HEAVY OIL LIFTING DEVICE AND HEAVY OIL LIFTING METHOD**

[54] **DISPOSITIF ET METHODE D'ENLEVEMENT DE PETROLE LOURD**

[72] CUI, QILI, CN

[72] ZHAO, XUEYANG, CN

[72] JIANG, LIN, CN

[72] DING, BO, CN

[72] LIN, QINGREN, CN

[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN

[22] 2021-10-22

[41] 2022-12-28

[30] CN (202110717853.7) 2021-06-28

[21] **3,135,719**
[13] A1

[51] **Int.Cl. G10K 11/168 (2006.01)**

[25] EN

[54] **COMPOSITE NOISE-ATTENUATING PANEL SYSTEM**

[54] **SYSTEME DE PANNEAUX COMPOSITES REDUCTEURS DE BRUIT**

[72] BARRY, TYLER B., US

[72] VAN DER STOK, MARCEL, US

[72] TORRES, FRANCISCO J., US

[72] PEREZ, BERNARDO, T., US

[71] SOLAR TURBINES INCORPORATED, US

[22] 2021-10-25

[41] 2022-12-30

[30] US (17/364,134) 2021-06-30

[21] **3,142,098**
[13] A1

[51] **Int.Cl. B01D 21/30 (2006.01) E21B 43/34 (2006.01)**

[25] EN

[54] **SAND DISCHARGE CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE DE DECHARGEMENT DE SABLE**

[72] PITCHER, JASON, US

[71] PITCHER, JASON, US

[22] 2021-12-14

[41] 2022-12-29

[30] US (17/362,234) 2021-06-29

[21] **3,142,118**
[13] A1

[51] **Int.Cl. E21B 33/08 (2006.01) E21B 47/00 (2012.01) F16J 15/18 (2006.01)**

[25] EN

[54] **STUFFING BOX ASSEMBLY**

[54] **PRESSE-GARNITURE**

[72] PITCHER, JOHN, US

[71] PITCHER, JOHN, US

[22] 2021-12-14

[41] 2022-12-29

[30] US (17/361,608) 2021-06-29

[21] **3,142,499**
[13] A1

[51] **Int.Cl. H04N 21/2387 (2011.01) H04N 21/6587 (2011.01)**

[25] EN

[54] **CONTENT-BASED USER-PREFERRED TRICK PLAY**

[54] **MODE D'ENRICHISSEMENT FONDE SUR LE CONTENU ET LES PREFERENCES DE L'UTILISATEUR**

[72] CHANDRASHEKAR, PADMASSRI, IN

[72] EMMANUEL, DAINA, IN

[72] HARB, REDA, US

[71] ROVI GUIDES, INC., US

[22] 2021-12-15

[41] 2022-12-30

[30] US (17/363,284) 2021-06-30

[21] **3,142,722**
[13] A1

[51] **Int.Cl. H04N 21/4728 (2011.01) H04H 60/64 (2009.01) H04N 21/4725 (2011.01) H04N 21/858 (2011.01) H04N 21/454 (2011.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR HIGHLIGHTING CONTENT WITHIN MEDIA ASSETS**

[54] **SYSTEMES ET METHODES DE MISE EN VALEUR DE CONTENU DANS LES BIENS DE CONTENU MEDIA**

[72] CHANDRASHEKAR, PADMASSRI, IN

[72] EMMANUEL, DAINA, IN

[72] HARB, REDA, US

[71] ROVI GUIDES, INC., US

[22] 2021-12-16

[41] 2022-12-30

[30] US (17/364082) 2021-06-30

[21] **3,145,069**
[13] A1

[51] **Int.Cl. B02C 23/08 (2006.01) B09B 3/30 (2022.01) B02C 13/288 (2006.01) B02C 17/00 (2006.01) B29B 17/00 (2006.01) C08J 11/06 (2006.01)**

[25] EN

[54] **PROCESS FOR TREATING FINES STREAM DERIVED FROM WASTE PROCESSING FACILITIES**

[54] **PROCEDE DE TRAITEMENT DU FLUX DE FINES DERIVE DES INSTALLATIONS DE TRAITEMENT DES DECHETS**

[72] BELANGER, NICOLAS, BM

[72] MUELLER, CHRISTOPHER, BM

[72] DROLET, MICHAEL, BM

[72] EVERSON, PETER, BM

[72] WARD, TERRI, BM

[71] TORXX KINETIC PULVERIZER LIMITED, BM

[22] 2022-01-07

[41] 2022-12-25

[30] CA (3,123,240) 2021-06-25

**Canadian Applications Open to Public Inspection
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[21] **3,148,379**
[13] A1

[51] **Int.Cl. A23C 20/00 (2006.01) A23C 19/068 (2006.01) A23C 19/09 (2006.01) A23C 19/097 (2006.01)**

[25] EN

[54] **ANALOGUE PIZZA CHEESE WITH IMPROVED FREEZE/THAW STABILITY**

[54] **ANALOGUE DE FROMAGE A PIZZA PRESENTANT UNE STABILITE DE CONGELATION/DECONGELATION ACCRUE**

[72] FUDGE, JAMES,, US

[72] LARSEN, MATTHEW, US

[72] HEMANN, JOSHUA, US

[72] WANG, WENYI, US

[72] WLASCHIN, AARON, US

[72] MANDERFELD, MICHELLE, US

[72] WYRICK, BRENT, US

[72] GLIDDEN, MOLLEY, US

[71] GENERAL MILLS, INC., US

[22] 2022-02-09

[41] 2022-12-29

[30] US (63/216,381) 2021-06-29

[21] **3,151,666**
[13] A1

[51] **Int.Cl. G01S 5/00 (2006.01) A61F 9/08 (2006.01) A63B 33/00 (2006.01) G01S 5/02 (2010.01) G01S 5/18 (2006.01)**

[25] EN

[54] **REAL-TIME POSITION TRACKING AND ALERTING**

[54] **SUIVI ET ALERTE DE POSITION EN TEMPS REEL**

[72] O'DRISCOLL, OLIVIA HELENA, CA

[72] GLASSFORD, ETHAN, CA

[72] O'DRISCOLL, NIALL, CA

[71] MACHINE MAVERICKS, CA

[22] 2022-03-11

[41] 2022-12-25

[30] US (63/215,032) 2021-06-25

[21] **3,152,641**
[13] A1

[51] **Int.Cl. H01R 13/52 (2006.01) E04B 5/48 (2006.01) E04F 15/00 (2006.01) F24D 13/02 (2006.01) H02G 5/00 (2006.01) H05B 3/06 (2006.01)**

[25] EN

[54] **HEATING PANELS AND CONNECTION METHODS THEREOF**

[54] **PANNEAUX CHAUFFANTS ET METHODES DE CONNEXION**

[72] WERTSEBRGER, SHALOM, US

[71] WERTSEBRGER, SHALOM, US

[22] 2022-03-17

[41] 2022-12-29

[30] US (17695530) 2022-03-15

[30] US (63216518) 2021-06-29

[30] US (63310768) 2022-02-16

[21] **3,154,208**
[13] A1

[51] **Int.Cl. H04R 3/00 (2006.01) B60R 11/02 (2006.01) G08B 3/00 (2006.01) H04R 29/00 (2006.01)**

[25] EN

[54] **AUDIO MANAGEMENT FOR GUESTS**

[54] **GESTION SONORE POUR LES INVITES**

[72] FRY, DARRIN KENNETH JOHN, CA

[71] BLACKBERRY LIMITED, CA

[22] 2022-04-05

[41] 2022-12-29

[30] US (17/304,960) 2021-06-29

[21] **3,155,757**
[13] A1

[51] **Int.Cl. E04G 13/02 (2006.01) B28B 7/00 (2006.01) E02D 5/20 (2006.01)**

[25] EN

[54] **CONCRETE FORMING TUBE**

[54] **TUBE DE FORMATION DE BETON**

[72] BRADAC, JAMES M., US

[71] BRADAC, JAMES M., US

[22] 2022-04-20

[41] 2022-12-30

[30] US (17363321) 2021-06-30

[21] **3,157,080**
[13] A1

[51] **Int.Cl. F02C 7/22 (2006.01) B64D 37/00 (2006.01) F23R 3/28 (2006.01)**

[25] EN

[54] **FUEL MANIFOLD ADAPTER**

[54] **ADAPTATEUR DE COLLECTEUR DE CARBURANT**

[72] KISUN, GAVIN ROHITESHWAR, CA

[72] LEFEBVRE, GUY, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2022-04-22

[41] 2022-12-30

[30] US (17/363,423) 2021-06-30

[21] **3,157,366**
[13] A1

[51] **Int.Cl. A63G 31/16 (2006.01)**

[25] EN

[54] **MOTION SIMULATING APPARATUS**

[54] **APPAREIL DE SIMULATION DE MOUVEMENT**

[72] CHENG, TIEN-NI, TW

[71] BROGENT TECHNOLOGIES INC., TW

[22] 2022-04-26

[41] 2022-12-26

[30] TW (110123470) 2021-06-26

[21] **3,157,993**
[13] A1

[51] **Int.Cl. E01F 9/619 (2016.01)**

[25] EN

[54] **RECONFIGURABLE REFLECTIVE ROAD MARKER**

[54] **MARQUEUR DE ROUTE REFLECHISSANT RECONFIGURABLE**

[72] WARD, DOUGLAS K., CA

[72] MILLER, KEN, CA

[71] NUVUE PRODUCTS LTD., CA

[22] 2022-04-27

[41] 2022-12-30

[30] US (17/364002) 2021-06-30

Demandes canadiennes mises à la disponibilité du public
25 décembre 2022 au 31 décembre 2022

[21] **3,158,231**
[13] A1

[51] **Int.Cl. B29C 45/14 (2006.01) B62D 55/07 (2006.01)**

[25] EN

[54] **VEHICLE COMPONENT AND METHOD FOR MOLDING A PLASTIC ITEM**

[54] **COMPOSANT DE VEHICULE ET METHODE DE MOULAGE D'UN ARTICLE EN PLASTIQUE**

[72] LEMIEUX, RENE, CA

[72] MORIN, GUILLAUME, CA

[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA

[22] 2022-05-10

[41] 2022-12-30

[30] US (63/216,982) 2021-06-30

[21] **3,158,325**
[13] A1

[51] **Int.Cl. A01B 71/02 (2006.01) A01B 71/00 (2006.01) A01B 76/00 (2006.01) A01C 7/20 (2006.01)**

[25] EN

[54] **PREDICTIVE TECHNIQUE FOR DISPENSING PRODUCT FROM TRACTOR TOOL**

[54] **TECHNIQUE PREDICTIVE DE DISTRIBUTION D'UN PRODUIT D'UN OUTIL DE TRACTEUR**

[72] SAWLAW, SOLOMON J., US

[72] BURNLEY, RYAN C., US

[72] SCHEUFLER, RAY M., US

[72] MAEDER, CURTIS A., US

[72] MAHRT, SEAN A., US

[71] DEERE & COMPANY, US

[22] 2022-05-04

[41] 2022-12-30

[30] US (17/364,092) 2021-06-30

[21] **3,158,425**
[13] A1

[51] **Int.Cl. F21V 21/22 (2006.01) F21S 4/28 (2016.01)**

[25] EN

[54] **TELESCOPING PERIMETER LIGHTING FIXTURE AND INSTALLATION METHODS**

[54] **APPAREIL D'ECLAIRAGE A PERIMETRE TELESCOPIQUE ET METHODES D'INSTALLATION**

[72] INCIKAYA, PHILIP, US

[72] AULISIO, DANIEL, US

[71] GAMMALUX SYSTEMS, INC., US

[22] 2022-05-05

[41] 2022-12-29

[30] US (17/362,779) 2021-06-29

[21] **3,158,544**
[13] A1

[51] **Int.Cl. F16K 27/00 (2006.01) F16K 24/02 (2006.01) F16K 51/00 (2006.01)**

[25] EN

[54] **WATER VALVE ASSEMBLY**

[54] **ASSEMBLAGE DE ROBINET D'EAU**

[72] KROCZEK, PIOTR, PL

[72] KUROWSKA, AGATA, PL

[72] SAPIJA, DARIUSZ, PL

[71] GOODRICH CORPORATION, US

[22] 2022-05-05

[41] 2022-12-28

[30] EP (21461560.1) 2021-06-28

[21] **3,158,636**
[13] A1

[51] **Int.Cl. B64C 1/14 (2006.01) B64C 1/40 (2006.01) B64D 11/00 (2006.01)**

[25] EN

[54] **AIRCRAFT CABIN SECTION AND AIRCRAFT HAVING AN AIRCRAFT CABIN SECTION**

[54] **SECTION DE CABINE D~AERONEF ET AERONEF COMPRENANT UNE SECTION DE CABINE D~AERONEF**

[72] WENG, ALEXANDER, DE

[72] KIRSTEIN, HAUKE, DE

[72] TEICHMANN, SVEN, DE

[72] GRIBELE, VIKTOR, DE

[72] ETTORI, MARC-JULIEN, DE

[71] AIRBUS OPERATIONS GMBH, DE

[22] 2022-05-09

[41] 2022-12-25

[30] EP (21181828.1) 2021-06-25

[21] **3,159,590**
[13] A1

[51] **Int.Cl. F02C 7/20 (2006.01) F01D 25/28 (2006.01) F16B 4/00 (2006.01)**

[25] EN

[54] **OUTSIDE FIT FLANGE FOR AIRCRAFT ENGINE**

[54] **BRIDE A AJUSTEMENT EXTERIEUR POUR MOTEUR D'AERONEF**

[72] EARNSHAW, MATTHEW, CA

[72] URAC, TIBOR, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2022-05-18

[41] 2022-12-30

[30] US (17/363,384) 2021-06-30

[21] **3,158,639**
[13] A1

[51] **Int.Cl. A61B 50/33 (2016.01) A61J 1/20 (2006.01) B65D 1/36 (2006.01) B65D 75/36 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **TRAY FOR POSITIONING A MEDICAL VIAL TOGETHER WITH A VIAL ADAPTER IN A FIXED POSITIONAL RELATIONSHIP RELATIVE TO EACH OTHER AND PACKAGING UNIT COMPRISING THE SAME**

[54] **PLATEAU POUR POSITIONNER UNE FIOLE MEDICALE ET UN ADAPTATEUR A FIOLE EN RELATION FIXE ET UNITE D'EMBALLAGE COMPRENANT LE PLATEAU**

[72] DADACHANJI, RISHAD KAIRUS, IN

[72] POTDAR, PRATUL PRAKASH, IN

[72] PATEL, KEYURKUMAR ARVINDBHAI, IN

[72] CHUDASMA, KRUPAL ASHOKBHAI, IN

[71] KAIRISH INNOTECH PRIVATE LTD., IN

[22] 2022-05-11

[41] 2022-12-29

[30] IN (202121029262) 2021-06-29

[21] **3,159,590**
[13] A1

[51] **Int.Cl. F02C 7/20 (2006.01) F01D 25/28 (2006.01) F16B 4/00 (2006.01)**

[25] EN

[54] **OUTSIDE FIT FLANGE FOR AIRCRAFT ENGINE**

[54] **BRIDE A AJUSTEMENT EXTERIEUR POUR MOTEUR D'AERONEF**

[72] EARNSHAW, MATTHEW, CA

[72] URAC, TIBOR, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2022-05-18

[41] 2022-12-30

[30] US (17/363,384) 2021-06-30

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[21] **3,160,279**
[13] A1

[51] **Int.Cl. E01H 5/09 (2006.01)**
[25] EN
[54] **PULL-TYPE SNOWBLOWER ATTACHMENT**
[54] **ACCESSOIRE DE SOUFFLEUSE A NEIGE TRAINEE**
[72] GOULET, DENIS, CA
[72] BUSQUE, MARTIN, CA
[72] LAMONTAGNE, LOUIS, CA
[71] RAD TECHNOLOGIES INC., CA
[22] 2022-05-25
[41] 2022-12-28
[30] US (17/359,697) 2021-06-28

[21] **3,160,882**
[13] A1

[51] **Int.Cl. F16D 3/56 (2006.01) F16D 1/033 (2006.01) F16D 1/076 (2006.01) F16K 51/00 (2006.01)**
[25] EN
[54] **COMPLIANT JOINT DRIVE ASSEMBLY**
[54] **MECANISME D'ENTRAINEMENT A JOINT CONFORME**
[72] TUREK, LUKASZ, PL
[72] SAPIJA, DARIUSZ, PL
[71] GOODRICH CORPORATION, US
[22] 2022-05-27
[41] 2022-12-28
[30] EP (21461559.3) 2021-06-28

[21] **3,160,884**
[13] A1

[51] **Int.Cl. F16B 2/10 (2006.01) F16L 23/036 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **CLAMP ASSEMBLY**
[54] **ENSEMBLE DE SERRAGE**
[72] KROCZEK, PIOTR, PL
[72] SAPIJA, DARIUSZ, PL
[72] KUROWSKA-KALINSKA, AGATA, PL
[71] GOODRICH CORPORATION, US
[22] 2022-05-27
[41] 2022-12-28
[30] EP (21461558.5) 2021-06-28

[21] **3,160,894**
[13] A1

[51] **Int.Cl. B05D 5/00 (2006.01) C09D 5/18 (2006.01) C09D 5/26 (2006.01) C09D 163/00 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **HOUSING HAVING INTUMESCENT COATING AND PROCESS OF PRODUCTION**
[54] **CARTER COMPRENANT UN REVETEMENT INTUMESCENT ET PROCEDE DE FABRICATION**
[72] BRILLON, LOUIS, CA
[72] BELANGER, JEAN-FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-05-27
[41] 2022-12-30
[30] US (17/363,763) 2021-06-30

[21] **3,161,014**
[13] A1

[51] **Int.Cl. A01B 76/00 (2006.01) A01B 71/00 (2006.01) A01C 7/20 (2006.01) H03K 17/28 (2006.01)**
[25] EN
[54] **PRE-CHARGING TECHNIQUE FOR DISPENSING PRODUCT FROM TRACTOR TOOL PRIOR TO REACHING PLANT SITE**
[54] **TECHNIQUE DE PRECHARGEMENT POUR DISTRIBUER UN PRODUIT D'UN OUTIL DE TRACTEUR AVANT L'ARRIVEE AU SITE DE PLANTE**
[72] SAWLAW, SOLOMON, J., US
[72] MAHRT, SEAN, A., US
[72] SCHEUFLER, RAY, M., US
[72] GRAHAM, WILLIAM, DOUGLAS, US
[72] SANTIAGO, SAMUEL, US
[71] DEERE & COMPANY, US
[22] 2022-05-30
[41] 2022-12-30
[30] US (17/364,099) 2021-06-30

[21] **3,161,022**
[13] A1

[25] EN
[54] **METHODS, APPARATUS, AND ARTICLES OF MANUFACTURE TO GENERATE ACQUISITION PATHS**
[54] **METHODES, APPAREILS ET ARTICLES FABRIQUES POUR GENERER DES VOIES D'ACQUISITION**
[72] SCHAEFER, SIMON, W., US
[71] DEERE & COMPANY, US
[22] 2022-05-30
[41] 2022-12-30
[30] US (17/364,347) 2021-06-30

[21] **3,161,027**
[13] A1

[51] **Int.Cl. F16D 3/74 (2006.01) F16K 51/00 (2006.01)**
[25] EN
[54] **COMPLIANT JOINT DRIVE ASSEMBLY**
[54] **MECANISME D'ENTRAINEMENT A JOINT CONFORME**
[72] TUREK, LUKASZ, PL
[72] ZAJAC, PIOTR, PL
[71] GOODRICH CORPORATION, US
[22] 2022-05-30
[41] 2022-12-29
[30] EP (21461562.7) 2021-06-29

[21] **3,161,041**
[13] A1

[51] **Int.Cl. E01F 5/00 (2006.01) E21D 11/15 (2006.01)**
[25] EN
[54] **ARCH CULVERT BRIDGE SYSTEM AND INSTALLATION METHOD FOR THE SAME**
[54] **SYSTEME DE PONT A PONCEAU VOUTE ET METHODE D'INSTALLATION**
[72] KRAMER, DALE ERNEST, CA
[71] KRAMER, DALE ERNEST, CA
[22] 2022-05-31
[41] 2022-12-29
[30] US (63/216,373) 2021-06-29

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[21] **3,161,451**
[13] A1

[51] **Int.Cl. B65D 71/70 (2006.01) B65D 1/36 (2006.01)**
[25] EN
[54] **STACKABLE TRAY**
[54] **PLATEAU EMPILABLE**
[72] ZEINNER, TYANDRA, US
[71] LEM PRODUCTS HOLDINGS, LLC, US
[22] 2022-06-02
[41] 2022-12-28
[30] US (63/215,663) 2021-06-28

[21] **3,161,469**
[13] A1

[51] **Int.Cl. E04F 19/02 (2006.01) E04F 15/02 (2006.01)**
[25] EN
[54] **PROFILE FOR TERRACES AND BALCONIES**
[54] **PROFIL DE TERRASSES ET DE BALCONS**
[72] BORDIN, DENNIS, IT
[71] PROGRESS PROFILES SPA, IT
[22] 2022-06-02
[41] 2022-12-29
[30] IT (102021000016958) 2021-06-29

[21] **3,161,649**
[13] A1

[51] **Int.Cl. A41D 3/00 (2006.01) A42B 1/04 (2021.01)**
[25] EN
[54] **HOODED GARMENT**
[54] **VETEMENT A CAPUCHON**
[72] GARNEAU, EDOUARD, CA
[71] GESTION EDOUARD GARNEAU INC., CA
[22] 2022-06-06
[41] 2022-12-26

[21] **3,162,086**
[13] A1

[51] **Int.Cl. F16B 7/14 (2006.01)**
[25] EN
[54] **LOCKING DEVICE FOR A TELESCOPING LEG**
[54] **DISPOSITIF DE VERROUILLAGE POUR UNE PATTE TELESCOPIQUE**
[72] RAVNAAS, BRENT J., US
[71] RAVNAAS, BRENT J., US
[22] 2022-06-08
[41] 2022-12-30
[30] US (17/363,320) 2021-06-30

[21] **3,162,158**
[13] A1

[51] **Int.Cl. G02F 1/136 (2006.01) H04J 14/02 (2006.01)**
[25] EN
[54] **WSS UTILIZING LCOS ARRAYS COMPRISING RECTANGULAR PIXELS**
[54] **COMMUTATION SELECTIVE DE LONGUEUR D~ONDE (WSS) UTILISANT DES RESEAUX DE CRISTAUX LIQUIDES SUR SILICIUM (LCOS) A PIXELS RECTANGULAIRES**
[72] ARMSTRONG, JULIAN, US
[72] STEWART, LUKE, US
[72] BAXTER, GLENN WAYNE, US
[72] PLUMRIDGE, JONATHAN, US
[71] II-VI DELAWARE, INC., US
[22] 2022-06-09
[41] 2022-12-25
[30] US (17/304,824) 2021-06-25

[21] **3,162,726**
[13] A1

[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/9038 (2019.01)**
[25] EN
[54] **INTERFACE EXTENSION OPERATIONS AND INTERFACES IN AN ITEM LISTING SYSTEM**
[54] **EXPLOITATIONS D~EXTENSION D~INTERFACE ET INTERFACE DANS UN SYSTEME DE LISTE D~ARTICLES**
[72] RUBINSON, ETHAN BENJAMIN, US
[72] WEINBERG, MARK JEFFREY, US
[72] PADMANABHAN, SENTHIL KUMAR, US
[72] JOGANI, PARIN PANKAJ, US
[71] EBAY INC., US
[22] 2022-06-15
[41] 2022-12-25
[30] US (17/359,353) 2021-06-25

[21] **3,163,029**
[13] A1

[51] **Int.Cl. H01H 83/02 (2006.01) H02H 3/14 (2006.01) H03K 17/13 (2006.01)**
[25] EN
[54] **IMPROVED PERFORMANCE THREE-PHASE GROUND FAULT CIRCUIT INTERRUPTER**
[54] **DISJONCTEUR DE FUITE DE TERRE TRIPHASE A RENDEMENT AMELIORE**
[72] MELLI, S. ALI, CA
[72] LUU, LOC GIA, CA
[71] LITTELFUSE, INC., US
[22] 2022-06-16
[41] 2022-12-30
[30] US (17/363,716) 2021-06-30

[21] **3,163,341**
[13] A1

[51] **Int.Cl. A47J 36/20 (2006.01) A47J 37/07 (2006.01) F24C 15/16 (2006.01)**
[25] EN
[54] **GRILL BASKET**
[54] **PANIER DE GRILLAGE**
[72] CIRA, PAUL, CA
[72] ZALEWSKI, BARTEK, CA
[71] PROUD GRILL COMPANY LIMITED, CA
[22] 2022-06-15
[41] 2022-12-30
[30] US (63/216,867) 2021-06-30
[30] US (17/838,427) 2022-06-13

[21] **3,163,580**
[13] A1

[51] **Int.Cl. E04B 2/54 (2006.01) C08J 9/14 (2006.01) C08L 75/06 (2006.01) E04C 2/10 (2006.01) B32B 3/08 (2006.01) B32B 5/18 (2006.01)**
[25] EN
[54] **FOAM WALL STRUCTURES AND METHODS FOR THEIR MANUFACTURE**
[54] **STRUCTURES DE PAROIS EN MOUSSE ET METHODES DE FABRICATION**
[72] GILES, ERIC C., US
[71] COVESTRO LLC, US
[22] 2022-06-15
[41] 2022-12-29
[30] US (17/361,957) 2021-06-29

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[21] **3,163,637**
[13] A1

[51] **Int.Cl. A61K 47/14 (2017.01) A61K 9/107 (2006.01) A61K 31/341 (2006.01) A61K 31/58 (2006.01)**

[25] EN

[54] **TOPICAL PHARMACEUTICAL FORMULATION**

[54] **FORMULATION PHARMACEUTIQUE TOPIQUE**

[72] KOLLMER, MELANIE, DE

[72] HERBIG, MICHAEL, DE

[72] EVERS, DIRK-HEINRICH, DE

[72] GORISSEN, SASCHA, DE

[71] RADES GMBH, DE

[22] 2022-06-16

[41] 2022-12-25

[30] EP (21181878.6) 2021-06-25

[21] **3,163,707**
[13] A1

[51] **Int.Cl. G16Z 99/00 (2019.01) G06T 19/00 (2011.01) G06F 3/00 (2006.01)**

[25] EN

[54] **EXTENDED REALITY HUMAN MACHINE INTERFACE TO SIMULATE ACTUAL FLOW**

[54] **INTERFACE HUMAIN-MACHINE DE REALITE ETENDUE POUR SIMULER UN FLUX REEL**

[72] STRAFER, JUSTIN, US

[72] KELMELIS, STEVEN, US

[72] KUMAR, SUMEET, US

[72] GASSION, ROMAIN, US

[71] ASCO POWER TECHNOLOGIES, L.P., US

[22] 2022-06-16

[41] 2022-12-29

[30] US (17/362402) 2021-06-29

[21] **3,164,169**
[13] A1

[51] **Int.Cl. C07C 7/08 (2006.01) B01D 3/40 (2006.01)**

[25] EN

[54] **EXTRACTIVE DISTILLATION COLUMN SYSTEM AND THE USE THEREOF IN THE SEPARATION OF BUTENES FROM C4-HYDROCARBON STREAMS**

[54] **SYSTEME DE COLONNE DE DISTILLATION EXTRACTIVE ET UTILISATION CONNEXE DANS LA SEPARATION DES BUTENES DE FLUX D~HYDROCARBURES EN C4**

[72] LUTZE, PHILIP, DE

[72] PEITZ, STEPHAN, DE

[72] RIX, ARMIN MATTHIAS, DE

[72] SIX, TANITA VALERIE, DE

[72] SCHRODER, MORITZ, DE

[72] PAUL, NIKLAS, DE

[71] EVONIK OPERATIONS GMBH, DE

[22] 2022-06-20

[41] 2022-12-25

[30] EP (21181624.4) 2021-06-25

[21] **3,164,375**
[13] A1

[51] **Int.Cl. H02J 3/36 (2006.01) B60L 53/60 (2019.01) H02J 3/38 (2006.01) H02M 5/42 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DIRECT CURRENT POWER DISTRIBUTION**

[54] **SYSTEMES ET METHODES POUR LA DISTRIBUTION DE PUISSANCE EN COURANT CONTINU**

[72] QUAN, ZHONGYI, CA

[72] LI, YUNWEI, CA

[71] ELECTRONIC GRID SYSTEMS INC., CA

[22] 2022-06-20

[41] 2022-12-30

[30] US (63/217,012) 2021-06-30

[30] US (63/232,978) 2021-08-13

[30] US (63/324,743) 2022-03-29

[21] **3,164,534**
[13] A1

[51] **Int.Cl. H05K 7/20 (2006.01)**

[25] EN

[54] **FIN-AND-PIN HEATSINKS AND METHODS**

[54] **DISSIPATEURS DE CHALEUR A AILETTES ET AIGUILLES ET METHODES**

[72] ALAYIL, RAJESH, US

[72] RAMASAMY, SURENDRAN, US

[71] LENNOX INDUSTRIES INC., US

[22] 2022-06-21

[41] 2022-12-25

[30] US (17/359,250) 2021-06-25

[21] **3,164,863**
[13] A1

[51] **Int.Cl. B08B 9/032 (2006.01) F17D 1/00 (2006.01)**

[25] EN

[54] **PURGE STAND**

[54] **SUPPORT DE PURGE**

[72] OTT, JOSHUA D., US

[71] CRAZEWELD LLC, US

[22] 2022-06-22

[41] 2022-12-28

[30] US (63/215,610) 2021-06-28

[21] **3,164,871**
[13] A1

[51] **Int.Cl. H04W 12/63 (2021.01)**

[25] FR

[54] **METHOD AND DEVICE FOR SECURING A LOCAL NETWORK COMPRISING A NETWORK SWITCH TO WHICH A WIRED STATION IS CONNECTED**

[54] **PROCEDE ET DISPOSITIF DE SECURISATION D'UN RESEAU LOCAL COMPRENANT UN COMMUTATEUR RESEAU AUQUEL EST RELIEE UNE STATION PAR LIAISON FILAIRE**

[72] ALARCON, LAURENT, FR

[72] LE ROUX, SYLVAIN, FR

[71] SAGEMCOM BROADBAND SAS, FR

[22] 2022-06-22

[41] 2022-12-28

[30] FR (FR2106933) 2021-06-28

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[21] **3,164,935**
[13] A1

[51] **Int.Cl. A01G 3/053 (2006.01) B25F 3/00 (2006.01)**
[25] EN
[54] **POWER EQUIPMENT WITH DETACHABLE ACCESSORY ASSEMBLY**
[54] **EQUIPEMENT ELECTRIQUE COMPRENANT UN ENSEMBLE ACCESSOIRE DETACHABLE**
[72] BOYLES, TYLER, US
[72] GUY, ARIC, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-06-22
[41] 2022-12-25
[30] US (63/215,103) 2021-06-25

[21] **3,164,949**
[13] A1

[51] **Int.Cl. F02C 6/08 (2006.01) F01D 17/26 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **AIR FILTRATION SYSTEM AND METHOD FOR COMPRESSOR BLEED VALVE**
[54] **SYSTEME DE FILTRATION D-AIR ET METHODE POUR UN ROBINET DE PURGE DE COMPRESSEUR**
[72] DOBSON, MARTIN, CA
[72] ISKRA, OLEG, CA
[72] FRYER, MICHAEL, CA
[72] LAVOIE, MARC, CA
[72] SIDOROVICH PARADISO, IVAN, CA
[72] DURANLEAU-HENDRICKX, LOUIS, CA
[72] DI FLORIO, DOMENICO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-06-22
[41] 2022-12-25
[30] US (17/358,196) 2021-06-25

[21] **3,165,093**
[13] A1

[51] **Int.Cl. F24D 19/10 (2006.01) H04L 65/40 (2022.01) G05D 23/19 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUS, AND METHODS FOR REMOTE CONTROL OF A PLURALITY OF HEATING DEVICES**
[54] **SYSTEMES, APPAREIL ET METHODES POUR LA TELECOMMANDE DE PLUSIEURS DISPOSITIFS DE CHAUFFAGE**
[72] MARSHALL, CRAIG, CA
[71] MARSHALL GROUP ENTERPRISES INC., CA
[22] 2022-06-23
[41] 2022-12-30
[30] US (63/216,572) 2021-06-30

[21] **3,165,100**
[13] A1

[51] **Int.Cl. A01D 34/64 (2006.01) A01D 34/66 (2006.01)**
[25] EN
[54] **RIDING LAWN MOWER**
[54] **TONDEUSE AUTOPORTEE**
[72] YANG, DEZHONG, CN
[72] LIU, YANGZI, CN
[72] LI, LI, CN
[72] LI, JU, CN
[71] NANJING CHERVON INDUSTRY CO., LTD., CN
[22] 2022-06-23
[41] 2022-12-25
[30] CN (202110714441.8) 2021-06-25
[30] US (17/835,527) 2022-06-08

[21] **3,165,125**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01) G06Q 40/02 (2023.01) G06F 21/31 (2013.01)**
[25] EN
[54] **ENABLING A FUNCTION OF AN APPLICATION BASED ON A CHARACTERISTIC OF A USER DEVICE**
[54] **ACTIVATION D'UNE FONCTION D'UNE APPLICATION EN FONCTION D'UNE CARACTERISTIQUE SUR UN DISPOSITIF UTILISATEUR**
[72] AGGARWAL, KARN, US
[72] WALKER, KEITH, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-06-23
[41] 2022-12-30
[30] US (17/305,081) 2021-06-30

[21] **3,165,145**
[13] A1

[51] **Int.Cl. H04L 67/561 (2022.01) G06Q 40/02 (2023.01) G06F 16/901 (2019.01) G06F 16/93 (2019.01) G06Q 10/063 (2023.01) G06Q 30/01 (2023.01) G06Q 40/03 (2023.01)**
[25] EN
[54] **TRANSACTION PROCESSING COMPUTER SYSTEM WITH MULTI-CHANNEL COMMUNICATION CONTROL AND DECISION SUPPORT**
[54] **SYSTEME INFORMATIQUE DE TRAITEMENT DE TRANSACTIONS COMPRENANT UN CONTROLE DE COMMUNICATIONS MULTIVOIES ET UN SOUTIEN DECISIONNEL**
[72] REPRESAS, DIEGO, US
[72] HURST, ANDREW R., US
[71] ABLE AI, INC., US
[22] 2022-06-23
[41] 2022-12-30
[30] US (63/216955) 2021-06-30
[30] US (17/725217) 2022-04-20

[21] **3,165,152**
[13] A1

[51] **Int.Cl. G06Q 20/24 (2012.01) G06Q 20/40 (2012.01) G06Q 30/06 (2023.01)**
[25] EN
[54] **PROVIDING A BUY NOW PAY LATER PRODUCT TO A CREDIT ACCOUNT HOLDER**
[54] **OFFRE D'UN PRODUIT ACHETEZ MAINTENANT PAYEZ PLUS TARD A UN DETENTEUR DE COMPTE DE CREDIT**
[72] ANDERSON, CHRIS, US
[72] DODOVSKI, JENNIFER, US
[71] COMENITY LLC, US
[22] 2022-06-23
[41] 2022-12-30
[30] US (63/217270) 2021-06-30
[30] US (17/457648) 2021-12-03

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[21] **3,165,160**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06N 20/00 (2019.01) G06F 11/30 (2006.01)**
[25] EN
[54] **DECISION IMPLEMENTATION WITH INTEGRATED DATA QUALITY MONITORING**
[54] **MISE EN OEUVRE DE DECISIONS AVEC UNE SURVEILLANCE DE LA QUALITE DES DONNEES INTEGREE**
[72] GRIMES, THOMAS, US
[72] WYDLER, KENNETH, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-06-23
[41] 2022-12-28
[30] US (17/359,849) 2021-06-28

[21] **3,165,175**
[13] A1

[51] **Int.Cl. E21B 43/34 (2006.01) F17D 1/07 (2006.01)**
[25] EN
[54] **PROCESS FOR THE REDUCTION OF FLARING/VENTING GASES DURING COMPLETIONS OPERATIONS**
[54] **PROCEDE DE REDUCTION DES GAZ TORCHES/REJETES PENDANT LES OPERATIONS DE COMPLETIONS**
[72] BISSELL, SCOTT, CA
[72] MCNEILL, RANDAL, CA
[72] GARAGAN, BRAYDON, CA
[71] TARA ENERGY SERVICES INC., CA
[22] 2022-06-24
[41] 2022-12-25
[30] CA (3123214) 2021-06-25

[21] **3,165,177**
[13] A1

[51] **Int.Cl. C22B 3/46 (2006.01) C05D 9/00 (2006.01) C22B 3/06 (2006.01) C22B 7/00 (2006.01) H01M 6/52 (2006.01) H01M 10/54 (2006.01) C22B 19/00 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RECOVERING CONSTITUENTS FROM BATTERIES**
[54] **SYSTEME ET METHODE DE RECUPERATION DES CONSTITUANTS DE BATTERIES**
[72] MCLEAN, LESLIE, CA
[72] LAKSHMANAN, VAIKUNTAM I., CA
[72] EWLES, JAMES, CA
[72] BHANDARI, ASHISH, CA
[71] RAW MATERIALS COMPANY INC., CA
[22] 2022-06-23
[41] 2022-12-28
[30] US (63/215,885) 2021-06-28

[21] **3,165,214**
[13] A1

[51] **Int.Cl. C07F 7/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING HIGH-PURITY HYDROSILYLATION PRODUCTS**
[54] **PROCEDES POUR PRODUIRE DES PRODUITS D'HYDROSILYLATION DE GRANDE PURETE**
[72] LOBERT, DR. MATTHIAS, DE
[72] REIBOLD, THOMAS, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2022-06-23
[41] 2022-12-30
[30] EP (21182841.3) 2021-06-30

[21] **3,165,220**
[13] A1

[51] **Int.Cl. C09C 3/10 (2006.01) C09K 17/40 (2006.01) E01C 13/08 (2006.01)**
[25] EN
[54] **MULTICOLORED TURF IN-FILL AND METHOD OF MAKING**
[54] **MATERIAU DE REMPLISSAGE DE GAZON MULTICOLORE ET METHODE DE FABRICATION**
[72] HUMPHREYS, MICHAEL, US
[72] HINH, DONG, US
[71] WESTERN STATES WHOLESALE, INC., US
[22] 2022-06-24
[41] 2022-12-25
[30] US (63/215,376) 2021-06-25

[21] **3,165,255**
[13] A1

[51] **Int.Cl. H04B 10/85 (2013.01)**
[25] EN
[54] **SYSTEM FOR CLOCK SYNCHRONIZATION WITH POLARIZATION ENTANGLED PHOTONS**
[54] **SYSTEME DE SYNCHRONISATION D~HORLOGE AVEC DES PHOTONS INTRIQUEES PAR POLARISATION**
[72] SOLMEYER, NEAL, US
[72] FERTIG, CHAD, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2022-06-23
[41] 2022-12-25
[30] US (17/808270) 2022-06-22
[30] US (63/215298) 2021-06-25

[21] **3,165,290**
[13] A1

[51] **Int.Cl. G06F 21/32 (2013.01) G06V 40/16 (2022.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SECURE FACE AUTHENTICATION**
[54] **SYSTEMES ET METHODES POUR L~AUTHENTIFICATION DE VISAGE SECURISEE**
[72] SINHA, PAVEL, CA
[71] SINHA, PAVEL, CA
[22] 2022-06-23
[41] 2022-12-25
[30] US (63/215,387) 2021-06-25
[30] US (63/238,069) 2021-08-27

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[21] **3,165,324**
[13] A1

[51] **Int.Cl. B01J 19/24 (2006.01) C01B 3/02 (2006.01) C01B 3/34 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REGULATING A FLAME LENGTH IN A PARTIAL OXIDATION REACTOR**
[54] **METHODE ET APPAREIL DE CONTROLE DE LA LONGUEUR D'UNE FLAMME DANS UN REACTEUR A OXYDATION PARTIELLE**
[72] MULLER-HAGEDORN, MATTHIAS, DE
[72] LABEGORRE, BERNARD, FR
[72] DEGENEVE, ARTHUR, FR
[72] JOURDAINE, PAUL, FR
[72] CAUDAL, JEAN, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCED, FR
[22] 2022-06-23
[41] 2022-12-30
[30] EP (21020332.9) 2021-06-30

[21] **3,165,343**
[13] A1

[51] **Int.Cl. B21D 43/28 (2006.01)**
[25] EN
[54] **REVERSIBLE CUTTING TOOL**
[54] **OUTIL DE COUPE REVERSIBLE**
[72] CLOUTIER, ALEXANDRE, CA
[72] BRENNAN, GABRIEL, CA
[71] 2446914 ONTARIO INC., CA
[22] 2022-06-24
[41] 2022-12-25
[30] US (63/215,106) 2021-06-25

[21] **3,165,413**
[13] A1

[51] **Int.Cl. E04G 11/28 (2006.01) E04B 1/35 (2006.01) E04G 3/28 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **CLIMBING SYSTEM FOR MULTI-LEVEL BUILDING CONSTRUCTION**
[54] **SYSTEME D-ESCALADE POUR LA CONSTRUCTION DE BATIMENT A PLUSIEURS ETAGES**
[72] ALONZI, ROBERTO, CA
[72] FERREIRA, MANUEL DACOSTA, CA
[72] FERREIRA, PATRICK CHALIM, CA
[71] PREMFORM LIMITED, CA
[22] 2022-06-24
[41] 2022-12-25
[30] US (63/202,807) 2021-06-25

[21] **3,165,599**
[13] A1

[51] **Int.Cl. E04F 19/06 (2006.01) E04B 1/68 (2006.01) E04F 19/02 (2006.01) E04G 21/20 (2006.01)**
[25] EN
[54] **JOINT SUPPORT INCLUDING ADHESIVE LAYER, SYSTEM INCLUDING JOINT SUPPORT, AND METHOD OF USE**
[54] **SUPPORT DE JOINT COMPRENANT UNE COUCHE ADHESIVE, SYSTEME COMPRENANT UN SUPPORT DE JOINT ET METHODE D'UTILISATION**
[72] RADFORD, CRAIG DOUGLAS, US
[72] MOLLOY, THOMAS C., US
[71] CERTAINTEED GYPSUM, INC., US
[22] 2022-06-27
[41] 2022-12-28
[30] US (63/215,821) 2021-06-28

[21] **3,165,679**
[13] A1

[51] **Int.Cl. B65D 5/20 (2006.01) B65D 5/54 (2006.01) B65D 5/72 (2006.01)**
[25] EN
[54] **MULTIPLE PACKAGE OF PACKS OF SHEETS, FORMED BY A LAMINAR MATERIAL THAT FORMS A DISPENSER AND LAMINAR MATERIAL FOR FORMING SAID PACKAGE**
[54] **EMBALLAGE MULTIPLE DE PAQUETS DE FEUILLES FORME D'UN MATERIAU STRATIFIE FORMANT UN DISTRIBUTEUR ET MATERIAU STRATIFIE POUR FORMER L'EMBALLAGE**
[72] LAZZARESCHI, LUIGI, IT
[71] SOFIDEL S.P.A., IT
[22] 2022-06-27
[41] 2022-12-29
[30] IT (102021000017030) 2021-06-29

[21] **3,165,747**
[13] A1

[51] **Int.Cl. H01H 9/22 (2006.01)**
[25] EN
[54] **WALL SWITCH LOCKOUT**
[54] **VERROU D'INTERRUPTEUR MURAL**
[72] RUDD, GREGORY, US
[71] BRADY WORLDWIDE, INC., US
[22] 2022-06-27
[41] 2022-12-29
[30] US (17/362679) 2021-06-29

[21] **3,165,759**
[13] A1

[51] **Int.Cl. F04B 53/18 (2006.01) F04B 49/00 (2006.01)**
[25] EN
[54] **LUBRICATION AND FLUSHING OF A FLUID SEAL USED WITH REACTIVE MATERIALS**
[54] **LUBRIFICATION ET VIDANGE D'UN JOINT HYDRAULIQUE UTILISE AVEC DES MATIERES REACTIVES**
[72] SMITH, MATTHEW R., US
[72] PETERSON, NICHOLAS P., US
[72] TIX, JOSEPH E., US
[72] SPIESS, ANDREW M., US
[71] GRACO MINNESOTA INC., US
[22] 2022-06-27
[41] 2022-12-29
[30] US (63/216,120) 2021-06-29
[30] US (63/240,481) 2021-09-03

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[21] **3,165,782**
[13] A1

[51] **Int.Cl. B60W 40/09 (2012.01) G06Q 10/063 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING VEHICLE FUNCTIONS BASED ON EVALUATED DRIVING TEAM COMPOSITION**
[54] **SYSTEME ET METHODE POUR CONTROLER DES FONCTIONS DE VEHICULE SUR LA BASE D'UNE COMPOSITION D'EQUIPE DE CONDUITE EVALUEE**
[72] MOLIN, HANS, US
[72] LI, ZHENG, US
[72] JONES, KARL, US
[72] KUEHNLE, ANDREAS, US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC, US
[22] 2022-06-28
[41] 2022-12-29
[30] US (17/361,725) 2021-06-29

[21] **3,165,869**
[13] A1

[51] **Int.Cl. H04L 43/045 (2022.01)**
[25] EN
[54] **ONBOARDING OF MONITORING TOOLS**
[54] **INTEGRATION D'OUTILS DE SURVEILLANCE**
[72] SECK, MOHAMED, US
[72] BUELL, LOUIS, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-06-28
[41] 2022-12-29
[30] US (17/362,403) 2021-06-29

[21] **3,165,879**
[13] A1

[51] **Int.Cl. F24F 13/30 (2006.01) B01D 53/02 (2006.01) B01D 53/26 (2006.01) F24F 3/147 (2006.01)**
[25] EN
[54] **DESICCANT ASSEMBLY, SYSTEM PROVIDED WITH SUCH AN ASSEMBLY, KIT FOR ASSEMBLING THE SAME, AND CORRESPONDING METHODS OF MANUFACTURING, ASSEMBLING AND OPERATING ASSOCIATED THERETO**
[54] **ASSEMBLAGE DE DESHYDRATANT, SYSTEME COMPRENANT UN TEL ASSEMBLAGE, TROUSSE D'ASSEMBLAGE ET METHODES CORRESPONDANTES DE FABRICATION, D'ASSEMBLAGE ET D'EXPLOITATION CONNEXES**
[72] RACANELLI, GIUSEPPE, CA
[72] GUEVREMONT, DAVID, CA
[71] INGENIA TECHNOLOGIES INC., CA
[22] 2022-06-28
[41] 2022-12-28
[30] US (63/202,863) 2021-06-28

[21] **3,165,882**
[13] A1

[51] **Int.Cl. G10H 3/16 (2006.01) G10D 7/063 (2020.01) G10D 9/035 (2020.01)**
[25] EN
[54] **ELECTRIC BAGPIPE AND ELECTRIC BAGPIPE COMPONENTS**
[54] **CORNEMUSE ELECTRIQUE ET COMPOSANTS DE CORNEMUSE ELECTRIQUE**
[72] DUNCAN, DAVID EMMANUEL ALVES, US
[71] DUNCAN, DAVID EMMANUEL ALVES, US
[22] 2022-06-28
[41] 2022-12-30
[30] US (63/216,646) 2021-06-30

[21] **3,165,888**
[13] A1

[51] **Int.Cl. A41B 9/04 (2006.01) A41D 31/30 (2019.01) A41B 9/00 (2006.01) A41B 9/12 (2006.01)**
[25] EN
[54] **LOWER BODY GARMENTS FOR WOMEN AND METHODS OF PREPARING SAME**
[54] **VETEMENTS POUR LE BAS DU CORPS POUR FEMMES ET METHODES DE PREPARATION**
[72] KRUPA, JESSICA, US
[71] KRUPA, JESSICA, US
[22] 2022-06-28
[41] 2022-12-28
[30] US (17/359943) 2021-06-28

[21] **3,165,892**
[13] A1

[51] **Int.Cl. B60N 2/38 (2006.01) B60N 2/005 (2006.01) B60N 2/04 (2006.01) B60N 2/24 (2006.01) B62D 55/07 (2006.01) B62J 1/00 (2006.01)**
[25] EN
[54] **SEAT AND ACCESSORY CONNECTION SYSTEM FOR A VEHICLE**
[54] **SIEGE ET SYSTEME DE FIXATION D'ACCESSOIRE POUR UN VEHICULE**
[72] LABBE, CHRISTIAN, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-06-28
[41] 2022-12-28
[30] US (63/215,775) 2021-06-28

[21] **3,165,959**
[13] A1

[51] **Int.Cl. B21D 28/28 (2006.01)**
[25] EN
[54] **APPARATUS FOR PRODUCING HOLLOW PANELS AND METHOD OF OPERATING SAME**
[54] **APPAREIL DE PRODUCTION DE PANNEAUX CREUX ET METHODE D'EXPLOITATION**
[72] WILSON, MICHAEL W., CA
[72] FORD, WAYNE W., CA
[71] AIL INTERNATIONAL INC., CA
[22] 2022-06-29
[41] 2022-12-29
[30] US (63/216,361) 2021-06-29

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[21] **3,165,982**
[13] A1

[51] **Int.Cl. H04L 43/062 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SUBSCRIBER AWARENESS IN A 5G NETWORK**
[54] **SYSTEME ET METHODE DE SENSIBILISATION AUX ABONNES DANS UN RESEAU 5G**
[72] KULSHRESTHA, VISHAL, IN
[72] RAVISHANKAR, KAVITHA, IN
[72] MITTAL, AMBUJ, IN
[72] DWIVEDI, NEELESH, IN
[72] OSMAN, ALEXANDER, AE
[72] REBELLON TASCAN, MANUEL, CA
[72] SIDDALINGAIAH, GANGARAJU K., IN
[71] SANDVINE CORPORATION, CA
[22] 2022-06-28
[41] 2022-12-30
[30] IN (202111029507) 2021-06-30

[21] **3,165,996**
[13] A1

[51] **Int.Cl. G01D 21/00 (2006.01) G01F 25/10 (2022.01)**
[25] EN
[54] **ANOMALY DETECTION AND FAILURE PREDICTION FOR PREDICTIVE MONITORING OF INDUSTRIAL EQUIPMENT AND INDUSTRIAL MEASUREMENT EQUIPMENT**
[54] **DETECTION D'ANOMALIE ET PREDICTION DE DEFAILLANCE POUR LA SURVEILLANCE PREDICTIVE D'EQUIPEMENT INDUSTRIEL ET D'EQUIPEMENT DE MESURE INDUSTRIEL**
[72] RAVEENDRAN, RAHUL, CA
[72] JIANG, HAILEI, CA
[71] SPARTAN CONTROLS LTD., CA
[22] 2022-06-29
[41] 2022-12-29
[30] US (63/216,204) 2021-06-29

[21] **3,165,997**
[13] A1

[51] **Int.Cl. G16H 40/20 (2018.01) G16H 10/60 (2018.01) G08B 23/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEMS FOR INTEGRATED ALERT MANAGEMENT**
[54] **METHODE ET SYSTEMES DE GESTION D'ALERTEES INTEGREEE**
[72] MANCL, RYAN, US
[72] FIXLER, TAMAS, CA
[71] GE PRECISION HEALTHCARE LLC, US
[22] 2022-06-28
[41] 2022-12-30
[30] US (17/808395) 2022-06-23
[30] US (63/216800) 2021-06-30

[21] **3,166,015**
[13] A1

[51] **Int.Cl. C04B 28/02 (2006.01) B28B 1/00 (2006.01) B28C 5/00 (2006.01) C04B 7/24 (2006.01)**
[25] EN
[54] **A CONCRETE COMPOSITE**
[54] **COMPOSITE DE BETON**
[72] SANTAMARIA RAZO, DIEGO A., NL
[72] GONZALEZ CALDERON, JOSE AMIR, MX
[71] CRH NEDERLAND B.V., NL
[22] 2022-06-29
[41] 2022-12-30
[30] EP (EP 21182797.7) 2021-06-30

[21] **3,166,017**
[13] A1

[51] **Int.Cl. C05G 3/00 (2020.01) A01G 24/00 (2018.01) A01N 3/00 (2006.01) A01N 43/38 (2006.01) A01P 21/00 (2006.01) A01H 6/28 (2018.01)**
[25] EN
[54] **METHODS FOR INCREASING SECONDARY METABOLITE PRODUCTION IN CANNABIS**
[54] **METHODES POUR ACCROITRE LA PRODUCTION DE METABOLITE SECONDAIRE DANS LE CANNABIS**
[72] OSWALD, IAIN W.H., US
[72] KOPY, KEVIN A., US
[72] MARTIN, THOMAS J., US
[71] ABSTRAX TECH INC., US
[22] 2022-06-29
[41] 2022-12-30
[30] US (63/216,667) 2021-06-30

[21] **3,166,028**
[13] A1

[51] **Int.Cl. B60P 3/36 (2006.01)**
[25] EN
[54] **MOBILE HOME CHASSIS WITH REMOVABLE AXLE AND HITCH ASSEMBLY**
[54] **CHASSIS DE MAISON MOBILE COMPRENANT UN ESSEIU AMOVIBLE ET UN ASSEMBLAGE DE REMORQUAGE**
[72] STUBBE, BRADLEY, CA
[71] BELL-CAMP MANUFACTURING INC., CA
[22] 2022-06-29
[41] 2022-12-30
[30] US (63/216,911) 2021-06-30
[30] US (63/303,075) 2022-01-26

[21] **3,166,047**
[13] A1

[51] **Int.Cl. A61H 35/00 (2006.01) A61H 33/00 (2006.01) F04D 13/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR ADAPTING FOOT SPAS FOR USE WITH DISPOSABLE PUMPS**
[54] **SYSTEME D'ADAPTATION DE BAINS POUR PIEDS A UTILISER AVEC DES POMPES JETABLES**
[72] ALEXANDER, CHRIS, CA
[72] TRAN, MINH SANG, CA
[71] GULFSTREAM INC., CA
[22] 2022-06-29
[41] 2022-12-29
[30] US (63/216,508) 2021-06-29

[21] **3,166,067**
[13] A1

[51] **Int.Cl. A47L 5/36 (2006.01) A47L 9/00 (2006.01) A47L 9/10 (2006.01)**
[25] EN
[54] **WEARABLE VACUUM CLEANER**
[54] **ASPIRATEUR A PORTER**
[72] THACKERY, CLINTON C., US
[72] CREASMAN, JACOB F., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-06-28
[41] 2022-12-29
[30] US (63/216,095) 2021-06-29

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[21] **3,166,070**
[13] A1

[51] **Int.Cl. B23B 31/16 (2006.01) B25F 3/00 (2006.01) B25F 5/00 (2006.01) B25D 17/08 (2006.01)**
[25] EN
[54] **COLLET**
[54] **DOUILLE DE SERRAGE**
[72] MOK, KWOK TING, US
[72] LOFTIS, JONATHAN, US
[72] HU, LONG LONG, US
[72] LIAO, JIA MING, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-06-28
[41] 2022-12-30
[30] CN (202220356367.7) 2022-02-22
[30] US (63/217107) 2021-06-30

[21] **3,166,076**
[13] A1

[51] **Int.Cl. G06V 20/40 (2022.01) H04N 21/85 (2011.01) G06V 10/764 (2022.01) G06N 7/01 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED VIDEO SEGMENTATION OF AN INPUT VIDEO SIGNAL CAPTURING A TEAM SPORTING EVENT**
[54] **SYSTEME ET METHODE POUR LA SEGMENTATION VIDEO AUTOMATISEE D~UN SIGNAL VIDEO D~ENTREE ENREGISTRANT UN EVENEMENT SPORTIF D~EQUIPE**
[72] ELDER, JAMES, CA
[72] PIDAPARTHY, HEMANTH, CA
[72] DOWLING, MICHAEL, CA
[71] ELDER, JAMES, CA
[71] PIDAPARTHY, HEMANTH, CA
[71] DOWLING, MICHAEL, CA
[22] 2022-06-23
[41] 2022-12-25
[30] US (63/215,352) 2021-06-25

[21] **3,166,079**
[13] A1

[51] **Int.Cl. G06F 40/20 (2020.01)**
[25] EN
[54] **A PROCESSING METHOD, DEVICE AND ELECTRONIC DEVICE FOR A QUESTION-AND-ANSWER STATEMENT**
[54] **METHODE DE TRAITEMENT, DISPOSITIF ET DISPOSITIF ELECTRONIQUE POUR UN ENONCE DE QUESTION ET DE REPONSE**
[72] XIE, TIE, CN
[72] YANG, MENG YING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-06-29
[41] 2022-12-29
[30] CN (202110724705.8) 2021-06-29

[21] **3,166,088**
[13] A1

[51] **Int.Cl. G06V 10/774 (2022.01) G06V 10/764 (2022.01)**
[25] EN
[54] **TRAINING METHOD AND PEDESTRIAN RE-IDENTIFICATION METHOD OF MULTI-TASK CLASSIFICATION NETWORK**
[54] **METHODE D'ENTRAINEMENT ET METHODE DE NOUVELLE IDENTIFICATION DE PIETON D'UN RESEAU DE CLASSIFICATION MULTITACHE**
[72] WANG, ZHIGUAN, CN
[72] GU, YANG, CN
[72] YANG, MINGYI, CN
[72] CHENG, JINXING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-06-29
[41] 2022-12-29
[30] CN (202110724711.3) 2021-06-29

[21] **3,166,091**
[13] A1

[51] **Int.Cl. G06V 10/77 (2022.01) G06V 10/44 (2022.01) G06V 10/82 (2022.01)**
[25] EN
[54] **AN IDENTIFICATION METHOD, DEVICE COMPUTER EQUIPMENT AND STORAGE MEDIUM FOR IDENTITY DOCUMENT REPRODUCTION**
[54] **METHODE D'IDENTIFICATION, MATERIEL INFORMATIQUE DE DISPOSITIF ET SUPPORT DE STOCKAGE POUR LA REPRODUCTION DE DOCUMENT D'IDENTITE**
[72] WANG, ZHIGUAN, CN
[72] GU, YANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-06-29
[41] 2022-12-29
[30] CN (202110725619.9) 2021-06-29

[21] **3,166,093**
[13] A1

[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **COVER AND RETAINING SYSTEM FOR VEHICLES**
[54] **SYSTEME DE COUVERTURE ET DE RETENUE POUR VEHICULES**
[72] ROSSI, STEVEN, CA
[71] WORKSPORT LTD., CA
[22] 2022-06-29
[41] 2022-12-29
[30] US (63/216338) 2021-06-29

[21] **3,166,168**
[13] A1

[51] **Int.Cl. E21D 20/00 (2006.01)**
[25] EN
[54] **SCREEN HANDLING SYSTEM**
[54] **SYSTEME DE MANIPULATION DE TAMIS**
[72] KOEKEMOER, RENIER, CA
[72] ST. AMAND, JOSEPH, CA
[72] BARTER, JUSTIN, CA
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[22] 2022-06-29
[41] 2022-12-30
[30] US (63/216,967) 2021-06-30

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[21] **3,166,204**
[13] A1

[51] **Int.Cl. A47B 31/02 (2006.01) F25D 11/00 (2006.01) F25D 25/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR STORING AND DELIVERING FOOD TRAYS**
[54] **SYSTEME POUR RANGER ET DISTRIBUER DES PLATEAUX DE NOURRITURE**
[72] BOUDREAULT, JEAN-PIERRE, CA
[71] REGETHERMIC CANADA INC., CA
[22] 2022-06-30
[41] 2022-12-29
[30] US (63/218,014) 2021-07-02

[21] **3,166,222**
[13] A1

[51] **Int.Cl. E02D 31/00 (2006.01) E02D 31/02 (2006.01) E04B 1/62 (2006.01)**
[25] EN
[54] **MATERIAL AND METHOD FOR PROVIDING INSULATION TO A FOUNDATION WALL**
[54] **MATERIAU ET METHODE POUR FOURNIR UNE ISOLATION A UN MUR DE FONDATION**
[72] CASTLES, LINDSAY, US
[72] HOLCOMB, STEVE, US
[71] GARLAND INDUSTRIES, INC., US
[22] 2022-06-29
[41] 2022-12-30
[30] US (63/216,852) 2021-06-30

[21] **3,166,252**
[13] A1

[51] **Int.Cl. C07K 5/117 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) C07K 1/06 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01) C07K 5/093 (2006.01) C12N 9/10 (2006.01)**

[25] EN
[54] **INHIBITORS OF TRANSGLUTAMINASES**
[54] **INHIBITEURS DE TRANSGLUTAMINASES**
[72] PASTERNAK, RALF, DE
[72] BUCHOLD, CHRISTIAN, DE
[72] HILS, MARTIN, DE
[72] STIELER, MARTIN, DE
[72] GERLACH, UWE, DE
[71] ZEDIRA GMBH, DE
[22] 2022-06-30
[41] 2022-12-30
[30] EP (21183316.5) 2021-07-01
[30] EP (PCT/EP2021/086674) 2021-12-17
[30] EP (21182956.9) 2021-06-30
[30] EP (PCT/EP2022/068212) 2022-06-30
[30] EP (PCT/EP2022/068216) 2022-06-30
[30] EP (PCT/EP2022/068217) 2022-06-30
[30] EP (PCT/EP2022/065430) 2022-06-07
[30] EP (PCT/EP2022/065435) 2022-06-07
[30] EP (PCT/EP2022/065437) 2022-06-07

[21] **3,166,326**
[13] A1

[51] **Int.Cl. C10L 3/10 (2006.01) F25J 3/00 (2006.01)**
[25] EN
[54] **PRODUCING LNG FROM METHANE CONTAINING SYNTHETIC GAS**
[54] **PRODUCTION DE GAZ NATUREL LIQUEFIE A PARTIR DE GAZ SYNTHETIQUE CONTENANT DU METHANE**
[72] ROBERTS, MARK JULIAN, US
[72] CHEN, FEI, US
[72] SHNITSER, RUSSELL B, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2022-06-27
[41] 2022-12-28
[30] US (17/360,031) 2021-06-28

[21] **3,166,391**
[13] A1

[51] **Int.Cl. H04L 67/141 (2022.01) G06Q 40/02 (2023.01) H04L 67/143 (2022.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ACTIVATION OF AN APPLICATION SESSION BASED ON AUTHENTICATION OF A USER DEVICE AND A CHARACTERISTIC OF THE USER DEVICE**
[54] **ACTIVATION D'UNE SESSION D'APPLICATION EN FONCTION D'UNE AUTHENTICATION D'UN DISPOSITIF UTILISATEUR ET D'UNE CARACTERISTIQUE DU DISPOSITIF UTILISATEUR**
[72] AGGARWAL, KARN, US
[72] WALKER, KEITH, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-06-29
[41] 2022-12-30
[30] US (17/305082) 2021-06-30

[21] **3,166,436**
[13] A1

[51] **Int.Cl. B66C 13/04 (2006.01) B66C 1/10 (2006.01)**
[25] EN
[54] **LOAD ORIENTING DEVICE AND METHOD OF OPERATING SAME**
[54] **DISPOSITIF D'ORIENTATION DE CHARGE ET METHODE D'EXPLOITATION**
[72] ANZOLA, GUSTAVO, US
[72] HATTON, GARY, US
[72] SANCHEZ, LUIS, US
[71] GREENFIELD PRODUCTS, LLC, US
[22] 2022-06-27
[41] 2022-12-28
[30] US (63/215,670) 2021-06-28

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December 25, 2022 to December 31, 2022**

[21] **3,166,463**
[13] A1

[51] **Int.Cl. B62D 55/14 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **WHEEL ASSEMBLY FOR TRACK SYSTEM, WHEEL ASSEMBLY FOR TRACK SYSTEM OF LIGHT-HEAVY DUTY VEHICLE AND TRACK SYSTEM FOR LIGHT-HEAVY DUTY VEHICLE**
[54] **ASSEMBLAGE DE ROUE POUR SYSTEME DE CHENILLE, ASSEMBLAGE DE ROUE POUR SYSTEME DE CHENILLE VEHICULE LEGER/LOURD ET SYSTEME DE CHENILLE POUR VEHICULE LEGER/LOURD**
[72] LANDRY, GABRIEL, CA
[72] SAUVAGEAU, YVES, CA
[72] WRIGHT, GREGORY, CA
[72] NANAC, BRANISLAV, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2022-06-28
[41] 2022-12-29
[30] US (63/216,081) 2021-06-29

[21] **3,166,465**
[13] A1

[51] **Int.Cl. A63B 67/14 (2006.01) B29C 45/14 (2006.01)**
[25] EN
[54] **HOCKEY PUCK HAVING A TRACKING DEVICE**
[54] **RONDELLE DE HOCKEY COMPRENANT UN DISPOSITIF DE SUIVI**
[72] GAUDREAU, ROCH, CA
[72] DEMARTIN, PATRICE, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2022-06-28
[41] 2022-12-28
[30] US (63/215,758) 2021-06-28
[30] US (63/279,830) 2021-11-16

[21] **3,166,469**
[13] A1

[51] **Int.Cl. B63B 17/04 (2006.01) E06B 11/02 (2006.01) E06B 11/06 (2006.01)**
[25] EN
[54] **GATE SYSTEM FOR A PONTOON BOAT**
[54] **SYSTEME DE PORTE POUR BATEAU PONTON**
[72] FISHBURN, BRADLEY R., US
[72] SMEAD, THOMAS E., US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-06-28
[41] 2022-12-29
[30] US (63/216417) 2021-06-29

[21] **3,166,504**
[13] A1

[51] **Int.Cl. B65D 5/4805 (2006.01) B65D 5/48 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **FOLDABLE DISPLAY CARTON WITH AT LEAST ONE DIVIDER**
[54] **BOITE-PRESENTOIR PLIABLE COMPRENANT AU MOINS UN SEPARATEUR**
[72] PADILLA, JESUS A., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[22] 2022-06-28
[41] 2022-12-28
[30] US (63/215540) 2021-06-28

[21] **3,166,569**
[13] A1

[51] **Int.Cl. A47L 25/00 (2006.01) A47L 17/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR CLEANING A GRILL AND METHOD OF USING THE SAME**
[54] **APPAREIL DE NETTOYAGE D'UNE GRILLE ET METHODE D'UTILISATION**
[72] CIRA, PAUL, CA
[71] PROUD GRILL COMPANY LIMITED, CA
[22] 2022-06-28
[41] 2022-12-30
[30] US (17/364,113) 2021-06-30

[21] **3,166,580**
[13] A1

[51] **Int.Cl. A01H 6/20 (2018.01) A23K 10/30 (2016.01) A23L 19/00 (2016.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (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] **BROCCOLI HYBRID SVBL0308**
[54] **BROCCOLI HYBRIDE SVBL0308**
[72] BOSCH, FRANCISCUS VAN DEN, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2022-06-28
[41] 2022-12-29
[30] US (63/216110) 2021-06-29
[30] US (17/549365) 2021-12-13

[21] **3,166,584**
[13] A1

[51] **Int.Cl. B65B 1/32 (2006.01) A61J 3/07 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR WEIGHING FILLED CAPSULES**
[54] **DISPOSITIF ET METHODE POUR PESER DES CAPSULES REMPLIES**
[72] HUHNEN, FLORIAN, DE
[72] GALL, STEFFEN, DE
[72] COCKS, JONATHAN, DE
[72] WURST, REINER, DE
[71] HARRO HOFLIGER VERPACKUNGSMASCHINEN GMBH, DE
[22] 2022-06-28
[41] 2022-12-30
[30] EP (21182828.0) 2021-06-30

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[21] **3,166,587**
 [13] A1

[51] **Int.Cl. E02F 3/88 (2006.01)**
 [25] EN
 [54] **ADDITIVE DOSING ASSEMBLIES AND HYDRO EXCAVATION VACUUM APPARATUS INCORPORATING SAME**
 [54] **ASSEMBLAGES DE DOSAGE D'ADDITIF ET APPAREIL D'ASPIRATION D'HYDROEXCAVATION INTEGRANT LES ASSEMBLAGES**
 [72] KEELEY, JACOB, US
 [72] MEYER, NATHAN, US
 [71] VERMEER MANUFACTURING COMPANY, US
 [22] 2022-06-28
 [41] 2022-12-29
 [30] US (63/216254) 2021-06-29

[21] **3,175,502**
 [13] A1

[51] **Int.Cl. G08G 9/00 (2006.01) B61L 27/00 (2022.01) B61L 27/04 (2006.01)**
 [25] EN
 [54] **SYSTEMS AND METHODS FOR ESTIMATING TIME OF ARRIVAL OF VEHICLE SYSTEMS**
 [54] **SYSTEMES ET METHODES POUR ESTIMER UN TEMPS D'ARRIVEE DE SYSTEMES DE VEHICULE**
 [72] CON, EREN, US
 [72] KUNDUR, SHEREESH, US
 [72] MELAMUD, ANATOLY, US
 [72] CALEGARI, CARLOS, US
 [71] TRANSPORTATION IP HOLDINGS, LLC, US
 [22] 2022-04-22
 [41] 2022-12-30
 [30] US (17,364,345) 2021-06-30

[21] **3,174,868**
 [13] A1

[51] **Int.Cl. H04L 7/00 (2006.01)**
 [25] EN
 [54] **METHODS AND SYSTEMS FOR PROVIDING A DISTRIBUTED CLOCK AS A SERVICE**
 [54] **METHODES ET SYSTEMES POUR FOURNIR UNE HORLOGE DISTRIBUEE COMME SERVICE**
 [72] HUBBE, ALLEN, US
 [72] CHANDRASEKARAN, VARAGUR, US
 [72] VAIDYA, SHRIKANT, US
 [71] PENSANDO SYSTEMS INC., US
 [22] 2022-06-21
 [41] 2022-12-30
 [30] US (17/364734) 2021-06-30

[21] **3,180,073**
 [13] A1

[51] **Int.Cl. C22F 1/04 (2006.01) C22F 1/047 (2006.01) C22F 1/057 (2006.01)**
 [25] EN
 [54] **METHOD OF MANUFACTURING STRESS REFERENCE PIECE**
 [54] **METHODE DE FABRICATION D'UNE PIECE DE REFERENCE DE CONTRAINTE**
 [72] SAITO, YUTA, JP
 [72] AOKI, KAN, JP
 [71] SINTOKOGIO, LTD., JP
 [22] 2022-06-23
 [41] 2022-12-29
 [30] JP (2021-107924) 2021-06-29

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[21] **3,150,346**
[13] A1
[51] **Int.Cl. C07C 229/30 (2006.01) C22B 3/32 (2006.01) C22B 59/00 (2006.01)**
[25] EN
[54] **N,N-DIHYDROCARBONYL AMINO CARBOXYLIC ACID, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54]
[72] WANG, YANLIANG, CN
[72] XIAO, WENTAO, CN
[72] WU, YUYUAN, CN
[72] LIN, JINCHI, CN
[71] XIAMEN TUNGSTEN CO., LTD, CN
[85] 2022-03-07
[86] 2021-06-29 (PCT/CN2021/103175)
[87] (3150346)

[21] **3,164,515**
[13] A1
[51] **Int.Cl. H04L 67/306 (2022.01)**
[25] EN
[54] **CUSTOMER RECOGNITION SYSTEM**
[54] **SYSTEME DE RECONNAISSANCE DES CLIENTS**
[72] ZHAO, RUNHUA, US
[72] SIKARIA, SONAM, US
[72] LIU, JAIYAO, US
[72] KANG, LINHONG, US
[72] TANG, BYRON, US
[72] RIZVI, BILAL, US
[71] INTUIT INC., US
[85] 2022-06-16
[86] 2022-03-31 (PCT/US2022/022944)
[87] (3164515)
[30] US (17/364,859) 2021-06-30

[21] **3,167,596**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61J 3/07 (2006.01)**
[25] EN
[54] **SOFT CAPSULE SHELLS AND SOFT CAPSULES**
[54] **ENVELOPPES DE CAPSULE SOUPLE ET CAPSULES SOUPLES**
[72] CHEN, JIEWEI, CN
[72] LI, XUFA, CN
[71] SIRIO PHARMA CO., LTD., CN
[85] 2022-07-14
[86] 2021-12-28 (PCT/CN2021/142080)
[87] (3167596)
[30] CN (202110719246.4) 2021-06-28

[21] **3,167,605**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A23P 10/30 (2016.01) C08J 3/075 (2006.01) C08J 5/18 (2006.01) C08L 3/02 (2006.01) C08L 5/00 (2006.01)**
[25] EN
[54] **SOFT CAPSULE SHELLS AND SOFT CAPSULES**
[54] **ENVELOPPES DE CAPSULE SOUPLE ET CAPSULES SOUPLES**
[72] LI, XUFA, CN
[72] CHEN, JIEWEI, CN
[71] SIRIO PHARMA CO., LTD., CN
[85] 2022-07-14
[86] 2021-12-28 (PCT/CN2021/142079)
[87] (3167605)
[30] CN (202110721182.1) 2021-06-28

[21] **3,169,387**
[13] A1
[51] **Int.Cl. H01F 7/04 (2006.01) B23Q 3/154 (2006.01)**
[25] EN
[54] **MAGNETIC APPARATUSES WITH DIRECTIONAL MAGNETIC FIELDS AND METHODS FOR GENERATING SAME**
[54] **APPAREILS MAGNETIQUES COMPRENANT DES CHAMPS MAGNETIQUES DIRECTIONNELS ET METHODES DE GENERATION**
[72] TREVORS, EVAN, CA
[72] GUITARD, ROSS, CA
[72] SIMIN, NICHOLAS, CA
[71] LANTHA TECH LTD., CA
[85] 2022-08-24
[86] 2022-08-24 (PCT/CA2022/051282)
[87] (3169387)
[30] US (63/236,354) 2021-08-24
[30] US (63/255,591) 2021-10-14
[30] US (63/332,917) 2022-04-20

[21] **3,170,951**
[13] A1
[51] **Int.Cl. B61C 3/00 (2006.01) B60L 50/75 (2019.01) B60L 7/10 (2006.01) B60L 15/00 (2006.01) B60L 15/38 (2006.01)**
[25] EN
[54] **ELECTRIC-POWERED LOCOMOTIVE APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE LOCOMOTIVE ELECTRIQUE**
[72] MULLIGAN, KYLE R., CA
[72] WONG, GARY, CA
[72] FINDLAY, MATTHEW, CA
[72] DUBINSKY, MILAN, CA
[72] KOWALCZYK, VERONIKA, CA
[72] NGUYEN, MINH, CA
[72] FISCHER, CODY, CA
[72] CHANG, SOON, CA
[71] CANADIAN PACIFIC RAILWAY COMPANY, CA
[85] 2022-08-19
[86] 2022-08-19 (PCT/CA2022/051261)
[87] (3170951)
[30] US (63/315,369) 2022-03-01
[30] US (63/356,282) 2022-06-28

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[21] **3,173,226**
[13] A1

[51] **Int.Cl. B02C 19/00 (2006.01) B02C 23/08 (2006.01)**

[25] EN

[54] **PROCESS FOR TREATING CONSTRUCTION AND DEMOLITION WASTE MATERIAL WITH KINETIC PULVERIZATION**

[54] **PROCEDE DE TRAITEMENT DES DECHETS DE CONSTRUCTION ET DE DEMOLITION PAR PULVERISATION CINETIQUE**

[72] DROLET, MICHAEL, BM

[72] EVERSON, PETER, BM

[72] MUELLER, CHRISTOPHER, CA

[72] WARD, TERRI, BM

[71] TORXX KINETIC PULVERIZER LIMITED, BM

[71] MUELLER, CHRISTOPHER, CA

[85] 2022-09-23

[86] 2022-06-23 (PCT/CA2022/051016)

[87] (3173226)

[30] CA (3.123.240) 2021-06-25

[30] CA (3.145.069) 2022-01-07

[21] **3,173,228**
[13] A1

[51] **Int.Cl. B02C 23/08 (2006.01) B09B 3/30 (2022.01) B09B 3/35 (2022.01) B01D 46/00 (2022.01) B02C 13/288 (2006.01) B29B 17/00 (2006.01) C08J 11/06 (2006.01)**

[25] EN

[54] **PROCESS FOR TREATING FINES STREAM DERIVED FROM WASTE PROCESSING FACILITIES**

[54] **PROCEDE DE TRAITEMENT DU FLUX DE FINES DERIVE DES INSTALLATIONS DE TRAITEMENT DES DECHETS**

[72] BELANGER, NICOLAS (DECEASED), BM

[72] DROLET, MICHAEL, BM

[72] MUELLER, CHRISTOPHER, CA

[72] EVERSON, PETER, BM

[72] WARD, TERRI, BM

[71] TORXX KINETIC PULVERIZER LIMITED, BM

[71] MUELLER, CHRISTOPHER, CA

[85] 2022-09-23

[86] 2022-06-23 (PCT/CA2022/051011)

[87] (3173228)

[30] CA (3.123.240) 2021-06-25

[30] CA (3.145.069) 2022-01-07

[21] **3,173,770**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A45D 34/00 (2006.01) B65B 3/04 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF PRESERVING CUSTOMIZED COSMETIC PRODUCTS**

[54] **SYSTEMES ET METHODES DE CONSERVATION DE PRODUITS COSMETIQUES PERSONNALISES**

[72] LUBOW, JON AUSTIN, US

[72] JACKSON, BRENDON THOMAS, US

[72] RODRIGUES MUCCHIANI, CAIO CESAR, US

[72] KRAVETSKY, MARLO LEIGH, CA

[72] LUBOW, LOUIS JOHN, CA

[71] THRIVO TECHNOLOGIES INC, US

[85] 2022-09-27

[86] 2021-06-25 (PCT/US2021/039155)

[87] (3173770)

[21] **3,173,855**
[13] A1

[51] **Int.Cl. G01D 5/48 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR WI-FI SENSING USING UPLINK ORTHOGONAL FREQUENCY DIVISION MULTIPLE ACCESS (UL-OFDMA)**

[54] **SYSTEMES ET METHODES DE DETECTION WI-FI AU MOYEN D'UN ACCES MULTIPLE PAR REPARTITION EN FREQUENCE ORTHOGONALE EN LIAISON MONTANTE (UL-OFDMA)**

[72] BEG, CHRIS, CA

[72] OMER, MOHAMMAD, CA

[71] COGNITIVE SYSTEMS CORP., CA

[85] 2022-09-28

[86] 2022-05-13 (PCT/IB2022/054498)

[87] (3173855)

[30] US (63/188,826) 2021-05-14

[21] **3,174,167**
[13] A1

[51] **Int.Cl. B01D 9/00 (2006.01)**

[25] EN

[54] **PROCESS AND APPARATUS FOR REMOVING IMPURITIES FROM CRYSTALLIZED METAL SULFATES**

[54] **PROCEDE ET APPAREIL D'ELIMINATION DES IMPURETES DE SULFATES METALLIQUES CRISTALLISES**

[72] FRASER, ROBERT JOHN, CA

[72] DOOLITTLE, ANDREW, CA

[72] SUTHERLAND, ALEXANDER, CA

[72] BEST, ADAM, CA

[72] RISANDI, FIRSYA, CA

[71] HATCH LTD., CA

[85] 2022-09-28

[86] 2022-03-25 (PCT/CA2022/050450)

[87] (3174167)

[30] US (63/165,806) 2021-03-25

[21] **3,174,382**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01)**

[25] EN

[54] **MEASURING, STRENGTHENING, AND ADAPTIVELY RESPONDING TO PHYSIOLOGICAL/NEUROPHYSIOLOGICAL STATES**

[54] **MESURE, RENFORCEMENT ET REPONSE ADAPTATIVE A DES ETATS PHYSIOLOGIQUES/NEUROPHYSIOLOGIQUES**

[72] ALBISTON, BEAU, US

[72] BACH, DAVID, US

[72] DEGUZMAN, PAUL, US

[72] DEWITT, SAM, US

[72] DMOCHOWSKI, JACEK, US

[72] FELLAH, DAVID, US

[72] GALLO, JAMIE, US

[72] GUCIK, PAWEL, US

[72] KURYLIW, KEVIN, US

[72] LONDERGAN, BEN, US

[72] NAIL, JAMES, US

[72] SAJDA, PAUL, US

[72] SHAMI, PATRICK, US

[71] OPTIOS, INC., US

[85] 2022-09-30

[86] 2022-06-08 (PCT/US2022/032724)

[87] (3174382)

[30] US (63/208,159) 2021-06-08

[30] US (63/280,495) 2021-11-17

[30] US (63/329,349) 2022-04-08

[30] US (63/347,980) 2022-06-01

[30] US (63/332,125) 2022-04-18

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[21] **3,174,384**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01)**
[25] EN
[54] **KIDNEY ORGANOIDS HAVING A NEPHRON-LIKE STRUCTURE AND METHODS OF PREPARING THE SAME**

[54] **ORGANOIDE DE REIN AYANT UNE STRUCTURE ANALOGUE AUX NEPHRONS ET SON PROCEDE DE FABRICATION**

[72] KIM, YONG KYUN, KR
[72] CHO, DONG-WOO, KR
[72] NAM, SUN AH, KR
[72] KIM, JIN WON, KR
[72] LEE, JAE YEON, KR
[72] KIM, JAE YUN, KR
[71] THE CATHOLIC UNIVERSITY OF KOREA INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR
[71] POSTECH RESEARCH AND BUSINESS DEVELOPMENT FOUNDATION, KR
[85] 2022-09-30
[86] 2020-11-24 (PCT/KR2020/016709)
[87] (WO2021/201368)
[30] KR (10-2020-0039625) 2020-04-01

[21] **3,174,391**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPUTER READABLE MEDIA FOR BREATHING SIGNAL ANALYSIS AND EVENT DETECTION AND GENERATING RESPIRATORY FLOW AND EFFORT ESTIMATE SIGNALS**

[54]
[72] YU, JINXIN, CA
[72] HUMMEL, RICHARD GEORGE, CA
[72] DE AGUIAR, CRISTIANO SANTOS, CA
[72] FAN, WEI, CA
[72] PACKER, DEVIN, CA
[71] BRESOTEC INC., CA
[85] 2022-09-30
[86] 2022-06-28 (PCT/CA2022/051031)
[87] (3174391)
[30] US (63/216,385) 2021-06-29
[30] US (63/236,852) 2021-08-25

[21] **3,174,402**
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/0783 (2010.01) C12N 15/113 (2010.01) A61K 35/17 (2015.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 38/46 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 19/00 (2006.01) C12N 9/22 (2006.01) C12N 15/54 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING ACTIVATION AND CYTOLYTIC ACTIVITY OF CD8+ T CELLS THROUGH DISRUPTION OF THE SAGA (SPT-ADA-GCN5-ACETYLTRANSFERASE) COMPLEX**

[54] **COMPOSITIONS ET PROCEDES POUR AUGMENTER L'ACTIVATION ET L'ACTIVITE CYTOLYTIQUE DES LYMPHOCYTES T CD8+. PAR LA RUPTURE DU COMPLEXE SAGA (SPT-ADA-GCN5-ACETYLTRANSFERASE)**

[72] DE CARVALHO, DANIEL DINIZ, CA
[72] HE, HOUSHENG, CA
[72] ETTAYEBI, ILIAS, CA
[72] SOARES, FRASER, CA
[72] LOO YAU, HELEN, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2022-09-30
[86] 2021-04-07 (PCT/CA2021/050464)
[87] (WO2021/203200)
[30] US (63/006,455) 2020-04-07

[21] **3,174,432**
[13] A1

[51] **Int.Cl. E04B 1/98 (2006.01) E02D 31/08 (2006.01) E04H 9/14 (2006.01)**
[25] EN
[54] **DUAL-PHASE VIBRATION DAMPING BUILDING COUPLING MEMBER WITH LOCK-UP**

[54] **ELEMENT DE COUPLAGE DE BATIMENT AMORTISSANT LES VIBRATIONS BIPHASIQUES AVEC VERROUILLAGE**

[72] MONTGOMERY, MICHAEL STEWART, CA
[72] CHRISTOPOULOS, CONSTANTIN, CA
[71] KINETICA DYNAMICS INC., CA
[85] 2022-10-03
[86] 2021-03-31 (PCT/CA2021/050441)
[87] (WO2021/195779)
[30] US (16/840,370) 2020-04-04

[21] **3,174,547**
[13] A1

[51] **Int.Cl. A61K 31/245 (2006.01)**
[25] EN
[54] **ACTIVE SUBSTANCES FOR MEDICAL USE**

[54] **PRINCIPES ACTIFS A USAGE MEDICAL**

[72] VOGELSANG, SUSANNE, DE
[72] ENGERT, BEATRICE, DE
[71] INFLAMED PHARMA GMBH, DE
[85] 2022-10-03
[86] 2021-04-02 (PCT/EP2021/058787)
[87] (WO2021/198504)
[30] LU (LU101724) 2020-04-02
[30] EP (21157974.3) 2021-02-18

[21] **3,174,857**
[13] A1

[51] **Int.Cl. A47G 3/00 (2006.01) F16B 37/04 (2006.01) F16B 37/08 (2006.01) F16B 37/14 (2006.01) F16B 39/02 (2006.01) F16B 39/284 (2006.01)**
[25] EN
[54] **NUT CONNECTION MECHANISM**

[54] **MECANISME DE MONTAGE D'ECROU**

[72] GOLDSTEIN, EDWARD, US
[71] ATLAS TUBE CONNECTIONS, LLC, US
[85] 2022-10-05
[86] 2021-04-06 (PCT/US2021/025927)
[87] (WO2021/207166)
[30] US (16/846,283) 2020-04-11

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[51] Int.Cl. C07K 16/24 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) A61P 37/04 (2006.01) C07K 16/28 (2006.01) C12Q 1/68 (2018.01)	[51] Int.Cl. A61K 48/00 (2006.01) A61P 1/00 (2006.01) A61P 3/00 (2006.01) C12N 15/86 (2006.01)	[51] Int.Cl. A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 38/00 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61P 31/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] TREATMENT OF DISEASES WITH CLEVER-1 INHIBITION IN COMBINATION WITH AN INTERLEUKIN INHIBITOR	[54] VECTEURS FOR THE TREATMENT OF ACID CERAMIDASE DEFICIENCY	[54] COMPOSITIONS AND METHODS FOR TREATING BACTERIAL INFECTIONS
[54] TRAITEMENT DE MALADIES AVEC INHIBITION DE CLEVER-1 EN ASSOCIATION AVEC UN INHIBITEUR DE L'INTERLEUKINE	[54] VECTEURS POUR LE TRAITEMENT D'UNE DEFICIENCE EN CERAMIDASE ACIDE	[54] COMPOSITIONS ET METHODES DE TRAITEMENT D'INFECTIONS BACTERIENNES
[72] JALKANEN, JUHO, FI	[72] BUJ BELLO, ANA, FR	[72] STANTON, BRUCE A., US
[72] MANDELIN, JAMI, FI	[72] DENARD, JEROME, FR	[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[72] KARVONEN, MATTI, FI	[72] MARINELLO, MARTINA, FR	[85] 2022-10-05
[71] FARON PHARMACEUTICALS OY, FI	[71] GENETHON, FR	[86] 2021-04-06 (PCT/US2021/025877)
[85] 2022-10-05	[71] INSERM(INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR	[87] (WO2021/207126)
[86] 2021-04-19 (PCT/FI2021/050281)	[71] UNIVERSITE D'EVRY-VAL-D'ESSONNE, FR	[30] US (63/005,561) 2020-04-06
[87] (WO2021/214382)	[85] 2022-10-05	
[30] FI (20205400) 2020-04-20	[86] 2021-04-14 (PCT/EP2021/059709)	[21] 3,175,174 [13] A1
	[87] (WO2021/209521)	[51] Int.Cl. C11D 17/00 (2006.01) C11D 1/00 (2006.01) C11D 3/37 (2006.01) C11D 3/386 (2006.01) C11D 11/00 (2006.01)
	[30] EP (20169463.5) 2020-04-14	[25] EN
[21] 3,174,862 [13] A1	[21] 3,174,867 [13] A1	[54] ENVIRONMENTALLY FRIENDLY DETERGENT TABLET, PREPARATION METHOD AND TABLETING EQUIPMENT THEREOF
[51] Int.Cl. E04G 21/14 (2006.01)	[51] Int.Cl. A47B 81/00 (2006.01) B65G 1/00 (2006.01)	[54] DETERGENT EN PAIN SANS DANGER POUR L'ENVIRONNEMENT, METHODE DE PREPARATION ET MATERIEL DE MISE EN PAIN
[25] EN	[25] EN	[72] SUN, JIANFENG, CN
[54] ASSEMBLY STATION	[54] MODULAR STORAGE SYSTEM FOR BARRELS	[72] LI, FENGLEI, CN
[54] STATION D'ASSEMBLAGE	[54] SYSTEME DE STOCKAGE MODULAIRE POUR FUTS	[72] SUN, MIN, CN
[72] FERRERA, ANTHONY, US	[72] KOETTER, ROBERT J. JR., US	[72] ZENG, HAIXIANG, CN
[71] KOETTER-RAX, LLC, US	[72] KOETTER, KENNETH E., US	[71] GUANGZHOU JOYSON CLEANING PRODUCTS CO., LTD., CN
[85] 2022-10-05	[72] KOETTER, GERALD T., US	[85] 2022-09-16
[86] 2021-04-08 (PCT/US2021/026385)	[72] MAGNER, RAYMOND TODD, US	[86] 2022-07-08 (PCT/CN2022/104547)
[87] (WO2021/207496)	[72] KEITH, BRIAN S., US	[87] (3175174)
[30] US (63/006,781) 2020-04-08	[72] SCHMIDT, GREG, US	
	[72] FERRERA, ANTHONY, US	
	[72] COOKE, MARK DUANE, US	
	[72] GREGORY, CLARK, US	
	[72] THOMPSON, DARR SCOTT, US	
	[72] RAY, ADAM, US	
	[71] KOETTER-RAX, LLC, US	
	[85] 2022-10-05	
	[86] 2021-04-07 (PCT/US2021/026150)	
	[87] (WO2021/207341)	
	[30] US (63/006,781) 2020-04-08	

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[21] **3,175,849**
[13] A1

[51] **Int.Cl. B65H 1/02 (2006.01)**
[25] EN
[54] **BLANK FEEDING UNIT FOR A PACKER MACHINE AND PROVIDED WITH A POSITION REFERENCE ELEMENT**
[54] **UNITE D'ALIMENTATION D'EBAUCHE POUR UNE MACHINE DE GARNITURE D'ETANCHEITE ET POURVUE D'UN ELEMENT DE REFERENCE DE POSITION**
[72] CARBONI, SALVATORE, IT
[72] VITALI, ANTONIO, IT
[71] G. D SOCIETA' PER AZIONI, IT
[85] 2022-10-17
[86] 2021-07-08 (PCT/IB2021/056132)
[87] (WO2022/009138)
[30] IT (102020000016717) 2020-07-09

[21] **3,175,853**
[13] A1

[51] **Int.Cl. B65H 1/02 (2006.01)**
[25] EN
[54] **BLANK FEEDING UNIT FOR A PACKER MACHINE AND PROVIDED WITH A SERIES OF INTERCHANGEABLE HOPPERS**
[54] **UNITE D'ALIMENTATION D'EBAUCHE POUR UNE MACHINE D'EMBALLAGE ET POURVUE D'UNE SERIE DE TREMIERS INTERCHANGEABLES**
[72] CARBONI, SALVATORE, IT
[72] VITALI, ANTONIO, IT
[71] G. D SOCIETA' PER AZIONI, IT
[85] 2022-10-17
[86] 2021-07-08 (PCT/IB2021/056135)
[87] (WO2022/009141)
[30] IT (102020000016729) 2020-07-09

[21] **3,175,855**
[13] A1

[51] **Int.Cl. A62B 27/00 (2006.01)**
[25] EN
[54] **DISPOSABLE RESPIRATOR FIT TEST HOOD AND METHOD OF MANUFACTURING SAME**
[54] **CAPOT DE TEST D'AJUSTEMENT DE RESPIRATEUR JETABLE ET SON PROCEDE DE FABRICATION**
[72] MERWIN, MICHAEL, US
[71] FLEXCON COMPANY, INC., US
[85] 2022-10-17
[86] 2021-03-19 (PCT/US2021/023064)
[87] (WO2021/211255)
[30] US (63/011,722) 2020-04-17
[30] US (63/012,324) 2020-04-20
[30] US (17/198,962) 2021-03-11

[21] **3,175,856**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/4709 (2006.01) C07D 215/38 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS PHARMACEUTIQUES ET LEURS UTILISATIONS**
[72] BRADY, TODD, US
[72] BROCKMAN, ADAM, US
[72] MACHATHA, STEPHEN GITU, US
[71] ALDEXA THERAPEUTICS, INC., US
[85] 2022-10-17
[86] 2021-05-13 (PCT/US2021/032335)
[87] (WO2021/231792)
[30] US (63/024,193) 2020-05-13

[21] **3,175,891**
[13] A1

[51] **Int.Cl. G06K 19/04 (2006.01) G06K 19/077 (2006.01)**
[25] EN
[54] **GAMING TOKEN AND MANUFACTURING METHOD THEREFOR**
[54]
[72] SHIGETA, YASUSHI, JP
[71] ANGEL GROUP CO., LTD., JP
[85] 2022-10-18
[86] 2021-04-19 (PCT/JP2021/015931)
[87] (WO2021/215412)
[30] JP (2020-074504) 2020-04-20

[21] **3,175,894**
[13] A1

[51] **Int.Cl. G06F 16/9038 (2019.01)**
[25] EN
[54] **METHODS FOR IDENTIFYING PRODUCT VARIANTS**
[54] **PROCEDES D'IDENTIFICATION DE VARIANTES DE PRODUITS**
[72] CUI, XIQUAN, US
[72] WEST, REBECCA, US
[72] AL JADDA, KHALIFEH, US
[72] QU, HUIMING, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2022-10-18
[86] 2021-04-20 (PCT/US2021/028121)
[87] (WO2021/216526)
[30] US (63/012,608) 2020-04-20
[30] US (17/234,033) 2021-04-19

[21] **3,175,903**
[13] A1

[51] **Int.Cl. G01N 29/30 (2006.01) G01N 29/14 (2006.01)**
[25] EN
[54] **PIPELINE STRUCTURAL FAULT DIAGNOSIS APPARATUS AND DIAGNOSIS METHOD**
[54] **APPAREIL ET METHODE DE DIAGNOSTIC DE DEFAILLANCE STRUCTURALE DANS UN PIPELINE**
[72] ZHANG, HONG, CN
[72] LIU, XIAOBEN, CN
[72] SHI, TONG, CN
[72] ZHAO, HONGLIN, CN
[72] LIU, CHENGQI, CN
[72] LIU, JIE, CN
[71] CHINA UNIVERSITY OF PETROLEUM-BEIJING, CN
[85] 2022-09-22
[86] 2021-11-01 (PCT/CN2021/127883)
[87] (3175903)
[30] CN (2021111128.7) 2021-09-18

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[21] **3,175,905**
[13] A1

[51] **Int.Cl. A61K 35/761 (2015.01) A61K 38/47 (2006.01)**

[25] EN

[54] **CODON OPTIMIZED GLA GENES AND USES THEREOF**

[54] **GENES GLA A CODONS OPTIMISES ET LEURS UTILISATIONS**

[72] KIRN, DAVID H., US

[72] KOTTERMAN, MELISSA, US

[72] FRANCIS, PETER, US

[72] SCHAFFER, DAVID, US

[72] SZYMANSKI, PAUL, US

[72] WHITTLESEY, KEVIN, US

[71] 4D MOLECULAR THERAPEUTICS INC., US

[85] 2022-10-18

[86] 2021-04-26 (PCT/US2021/029146)

[87] (WO2021/222094)

[30] US (63/016,207) 2020-04-27

[30] US (63/114,195) 2020-11-16

[21] **3,175,937**
[13] A1

[51] **Int.Cl. B09B 3/00 (2022.01) C08L 101/00 (2006.01)**

[25] EN

[54] **MOLDING MATERIAL, MOLDED ARTICLE, AND PRODUCTION METHOD FOR MOLDING MATERIAL**

[54] **MATERIAU DE MOULAGE, ARTICLE MOULE ET PROCEDE DE PRODUCTION POUR MATERIAU DE MOULAGE**

[72] NAKAISHI, MASAHIRO, JP

[72] YAKUO, YOSHIMI, JP

[71] GLENICAL TECHNOLOGY CO., LTD., JP

[85] 2022-10-18

[86] 2021-06-18 (PCT/JP2021/023266)

[87] (WO2021/256568)

[30] JP (2020-106284) 2020-06-19

[21] **3,175,977**
[13] A1

[51] **Int.Cl. C25D 11/30 (2006.01) C25D 3/22 (2006.01) C25D 3/46 (2006.01) C25D 5/14 (2006.01) C25D 5/16 (2006.01) C25D 5/18 (2006.01) C25D 9/12 (2006.01) C25D 13/18 (2006.01)**

[25] EN

[54] **METHOD TO CREATE FUNCTIONAL COATINGS ON MAGNESIUM**

[54] **PROCEDE DE CREATION DE REVETEMENTS FONCTIONNELS MINCES SUR DU MAGNESIUM**

[72] HOU, FENGYAN, NZ

[72] GOODE, CHRISTOPHER WILLIAM, NZ

[71] CIRRUS MATERIALS SCIENCE LIMITED, NZ

[85] 2022-10-17

[86] 2021-04-23 (PCT/NZ2021/050068)

[87] (WO2021/215940)

[30] US (63/015,411) 2020-04-24

[21] **3,175,918**
[13] A1

[51] **Int.Cl. B64C 25/26 (2006.01) B64C 25/14 (2006.01)**

[25] FR

[54] **ARRANGEMENT FOR LOCKING AN AIRCRAFT LANDING GEAR**

[54] **AGENCEMENT DE BLOCAGE D'UN AXE D'ATTERRISEUR D'AERONEF**

[72] FERNANDES, PHILIPPE DOMINGOS, FR

[72] FARCY, MARC, FR

[72] LUDGER, NICOLAS, FR

[71] SAFRAN LANDING SYSTEMS, FR

[85] 2022-10-18

[86] 2021-04-08 (PCT/FR2021/050617)

[87] (WO2021/214396)

[30] FR (FR2003926) 2020-04-20

[21] **3,175,974**
[13] A1

[51] **Int.Cl. A61K 47/60 (2017.01) A61K 47/61 (2017.01) A61K 47/69 (2017.01) A61K 41/10 (2020.01) A61K 41/17 (2020.01)**

[25] EN

[54] **HYDROGEL IRRADIATION**

[54] **IRRADIATION D'HYDROGEL**

[72] STAUCH, OLIVER BORIS, US

[72] STARK, SEBASTIAN, DE

[72] VOIGT, TOBIAS, DE

[72] BISEK, NICOLA, DE

[71] ASCENDIS PHARMA A/S, DK

[85] 2022-10-18

[86] 2021-05-03 (PCT/EP2021/061544)

[87] (WO2021/224169)

[30] EP (20172675.9) 2020-05-04

[21] **3,175,978**
[13] A1

[51] **Int.Cl. C25D 3/12 (2006.01) C25D 5/12 (2006.01) C25D 5/14 (2006.01) C25D 5/16 (2006.01) C25D 5/18 (2006.01) C25D 9/04 (2006.01) C25D 11/04 (2006.01) C25D 11/08 (2006.01) C25D 11/14 (2006.01) C25D 11/18 (2006.01) C25D 11/22 (2006.01) C25D 11/24 (2006.01) C25D 13/18 (2006.01) C25D 21/12 (2006.01)**

[25] EN

[54] **METHOD TO APPLY COLOR COATINGS ON ALLOYS**

[54] **PROCEDE D'APPLICATION DE REVETEMENTS DE COULEUR SUR DES ALLIAGES**

[72] HOU, FENGYAN, NZ

[72] GOODE, CHRISTOPHER WILLIAM, NZ

[72] MARDON, IAN JOHN, NZ

[71] CIRRUS MATERIALS SCIENCE LIMITED, NZ

[85] 2022-10-17

[86] 2021-04-23 (PCT/NZ2021/050067)

[87] (WO2021/215939)

[30] US (63/015,421) 2020-04-24

[30] US (63/131,282) 2020-12-28

[21] **3,175,926**
[13] A1

[51] **Int.Cl. A47J 42/40 (2006.01) A47J 42/44 (2006.01)**

[25] EN

[54] **COFFEE BEAN GRINDER**

[54] **MOULIN A CAFE**

[72] GENNAI, ANDREA, IT

[71] HEMRO INTERNATIONAL AG, CH

[85] 2022-10-18

[86] 2021-04-13 (PCT/EP2021/059528)

[87] (WO2021/213844)

[30] CH (00469/20) 2020-04-21

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[21] **3,175,985**
[13] A1

[51] **Int.Cl. E21B 10/32 (2006.01) E21B 17/10 (2006.01)**
[25] EN
[54] **RADIAL CUTTING ASSEMBLY FOR DRILLING TOOL**
[54] **ENSEMBLE DE COUPE RADIALE POUR OUTIL DE FORAGE**
[72] RIVES, ALLEN KENT, US
[71] RIVES, ALLEN KENT, US
[85] 2022-10-18
[86] 2021-05-04 (PCT/US2021/030615)
[87] (WO2021/226055)
[30] US (63/019,844) 2020-05-04

[21] **3,175,990**
[13] A1

[51] **Int.Cl. C12P 5/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A METHANE-ENRICHED GAS**
[54] **PROCEDE DE PRODUCTION D'UN GAZ ENRICHI EN METHANE**
[72] SCHOLZ, MATTHIAS, DE
[71] HITACHI ZOSEN INOVA SCHMACK GMBH, DE
[85] 2022-10-18
[86] 2021-04-23 (PCT/EP2021/060641)
[87] (WO2022/053184)
[30] EP (20195201.7) 2020-09-09

[21] **3,175,992**
[13] A1

[51] **Int.Cl. F41H 13/00 (2006.01)**
[25] EN
[54] **MOTION-BASED OPERATION FOR A CONDUCTED ELECTRICAL WEAPON**
[54] **OPERATION A BASE DE MOUVEMENT POUR UNE ARME ELECTRIQUE A CONDUCTION**
[72] PIRC, WILLIAM, US
[72] BARTLING, DAVID RYAN, US
[71] AXON ENTERPRISE, INC., US
[85] 2022-10-18
[86] 2021-04-21 (PCT/US2021/028390)
[87] (WO2021/216702)
[30] US (63/013,537) 2020-04-21
[30] US (63/041,725) 2020-06-19
[30] US (17/209,661) 2021-03-23

[21] **3,175,993**
[13] A1

[51] **Int.Cl. C12N 15/67 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **ARTIFICIAL EXPRESSION CONSTRUCTS FOR SELECTIVELY MODULATING GENE EXPRESSION IN NEOCORTICAL LAYER 5 GLUTAMATERGIC NEURONS**
[54] **CONSTRUCTIONS D'EXPRESSION ARTIFICIELLES POUR MODULER SELECTIVEMENT L'EXPRESSION GENIQUE DANS DES NEURONES GLUTAMATERGIQUES DE LA COUCHE NEOCORTICALE 5**
[72] DAIGLE, TANYA, US
[72] GRAYBUCK, LUCAS T., US
[72] KALMBACH, BRIAN EDWARD, US
[72] LEIN, EDWARD SEBASTIAN, US
[72] LEVI, BOAZ P., US
[72] MICH, JOHN K., US
[72] SEDENO CORTES, ADRIANA ESTELA, US
[72] TASIC, BOSILJKA, US
[72] TING, JONATHAN, US
[72] ZENG, HONGKUI, US
[71] ALLEN INSTITUTE, US
[85] 2022-10-18
[86] 2021-04-21 (PCT/US2021/028489)
[87] (WO2021/216778)
[30] US (63/013,342) 2020-04-21

[21] **3,175,994**
[13] A1

[51] **Int.Cl. H04R 1/10 (2006.01) H04R 5/033 (2006.01)**
[25] EN
[54] **CABLE RETRACTION MECHANISM FOR HEADPHONE DEVICES**
[54] **MECANISME DE RETRACTION DE CABLE POUR DISPOSITIFS DE CASQUE D'ECOUTE**
[72] RAPITSCH, DIETER, US
[72] BILLAUDET, PATRICE, US
[71] SONOS, INC., US
[85] 2022-10-18
[86] 2021-04-19 (PCT/US2021/027984)
[87] (WO2021/216459)
[30] US (63/013,316) 2020-04-21

[21] **3,175,995**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) H02J 7/02 (2016.01) H02J 7/10 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **UNINTERRUPTIBLE POWER SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION ELECTRIQUE SANS INTERRUPTION**
[72] KONDA, NAOAKI, JP
[71] FDK CORPORATION, JP
[85] 2022-10-18
[86] 2021-04-12 (PCT/JP2021/015117)
[87] (WO2021/215282)
[30] JP (2020-075861) 2020-04-22

[21] **3,175,996**
[13] A1

[51] **Int.Cl. C09B 23/08 (2006.01)**
[25] EN
[54] **FLUOROGENIC DIMER COMPOUND, USEFUL AS A PROBE FOR DETECTION OF ENDOGENOUS RECEPTORS**
[54] **COMPOSE DIMERE FLUOROGENE UTILE EN TANT QUE SONDE POUR LA DETECTION DE RECEPTEURS ENDOGENES**
[72] KARPENKO, JULIE, FR
[72] KLYMCHENKO, ANDREY, FR
[72] BONNET, DOMINIQUE, FR
[72] COLLOT, MAYEUL, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2022-10-18
[86] 2021-05-12 (PCT/EP2021/062626)
[87] (WO2021/228939)
[30] EP (20305479.6) 2020-05-12

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[21] **3,175,998**
[13] A1

[51] **Int.Cl. A01H 5/00 (2018.01) A01H 9/00 (2006.01) C07K 14/415 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **SOYBEAN PROMOTERS AND USES THEREOF**

[54] **PROMOTEURS DE SOJA ET LEURS UTILISATIONS**

[72] CHEN, ZHONGYING, US

[72] ZHOU, NAN, US

[72] CLARKE V, JOSEPH DALLAS, US

[72] QUE, QIUDENG, US

[71] SYNGENTA CROP PROTECTION AG, CH

[85] 2022-10-18

[86] 2021-04-21 (PCT/US2021/028283)

[87] (WO2021/216630)

[30] US (63/014,232) 2020-04-23

[21] **3,176,000**
[13] A1

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/60 (2020.01) A24F 40/10 (2020.01) A24F 40/20 (2020.01)**

[25] EN

[54] **PRESSURE-SENSING USER INTERFACE FOR AN AEROSOL DELIVERY DEVICE**

[54] **INTERFACE UTILISATEUR SENSIBLE A LA PRESSION POUR DISPOSITIF DE DISTRIBUTION D'AEROSOL**

[72] HENRY, RAYMOND CHARLES JR., US

[71] RAI STRATEGIC HOLDINGS, INC., US

[85] 2022-10-18

[86] 2021-04-20 (PCT/IB2021/053268)

[87] (WO2021/214669)

[30] US (16/854,233) 2020-04-21

[21] **3,176,003**
[13] A1

[51] **Int.Cl. B61L 15/00 (2006.01) G01S 19/09 (2010.01) G01S 19/42 (2010.01) G01S 19/50 (2010.01) B61L 25/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MONITORING A TRAIN**

[54] **SYSTEME ET PROCEDE POUR SURVEILLER UN TRAIN**

[72] WALLNER, CHRISTIAN, DE

[71] THALES DEUTSCHLAND GMBH, DE

[85] 2022-10-18

[86] 2021-04-01 (PCT/EP2021/058756)

[87] (WO2021/219323)

[30] EP (20172406.9) 2020-04-30

[21] **3,176,005**
[13] A1

[51] **Int.Cl. B01J 8/04 (2006.01) B01J 19/24 (2006.01)**

[25] EN

[54] **COMPACT QUENCH ZONE REACTOR INTERNALS**

[54] **ELEMENTS INTERNES DE REACTEUR A ZONE DE REFROIDISSEMENT COMPACTE**

[72] XU, ZHANPING, US

[72] CHEN, PENGFEI, US

[72] MALEY, JOHN CHRISTIAN, US

[72] PATHAK, SHREE PRAKASH, US

[72] MUDROCK, REBECCA, US

[72] BRIDGE, NICHOLAS W., US

[71] UOP LLC, US

[85] 2022-10-18

[86] 2021-04-14 (PCT/US2021/027190)

[87] (WO2021/216326)

[30] US (63/014,796) 2020-04-24

[21] **3,176,008**
[13] A1

[51] **Int.Cl. A61K 31/196 (2006.01) A61K 31/706 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **VIDOFLUDIMUS FOR USE IN THE TREATMENT OR PREVENTION OF VIRAL DISEASES**

[54] **VIDOFLUDIMUS DESTINE A ETRE UTILISE DANS LE TRAITEMENT OU LA PREVENTION DE MALADIES VIRALES**

[72] GROPPPEL, MANFRED, DE

[72] VITT, DANIEL, DE

[72] KOHLHOF, HELLA, DE

[72] MUHLER, ANDREAS, DE

[71] IMMUNIC AG, DE

[85] 2022-10-18

[86] 2021-04-20 (PCT/EP2021/060191)

[87] (WO2021/214033)

[30] EP (20170729.6) 2020-04-21

[30] EP (20184031.1) 2020-07-03

[30] EP (21164552.8) 2021-03-24

[21] **3,176,009**
[13] A1

[51] **Int.Cl. G01N 21/64 (2006.01) G02B 6/34 (2006.01) G02B 21/06 (2006.01) G02B 21/16 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SIMULTANEOUS NEAR-INFRARED LIGHT AND VISIBLE LIGHT IMAGING**

[54] **SYSTEMES ET METHODES D'IMAGERIE SIMULTANEE EN LUMIERE INFRAROUGE PROCHE ET EN LUMIERE VISIBLE**

[72] PERRY, JEFFREY, US

[72] KITTLE, DAVID, US

[72] NOVAK, JULIA, US

[72] KOLLER, TERI DEE, US

[72] MILLER, DENNIS, US

[71] BLAZE BIOSCIENCE, INC., US

[85] 2022-10-18

[86] 2021-06-25 (PCT/US2021/039177)

[87] (WO2021/263159)

[30] US (63/044,303) 2020-06-25

PCT Applications Entering the National Phase

[21] **3,176,010**
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **ATTACHMENT ASSEMBLY FOR ATTACHING A WEAR MEMBER TO A WORK IMPLEMENT AND LUG MEMBER FOR USE WITH AN ATTACHMENT SYSTEM FOR ATTACHING WEAR MEMBERS TO A WORK IMPLEMENT USING A SPACER**

[54] **ENSEMBLE DE FIXATION DESTINE A FIXER UN ELEMENT D'USURE A UN OUTIL DE TRAVAIL ET ELEMENT A OREILLES DESTINE A ETRE UTILISE AVEC UN SYSTEME DE FIXATION POUR FIXER DES ELEMENTS D'USURE A UN OUTIL DE TRAVAIL A L'AIDE D'UN ELEMENT D'ESPACEMENT**

[72] KUNZ, PHILLIP J., US
[72] CAMPOMANES, PATRICK S., US
[71] CATERPILLAR INC., US
[85] 2022-10-18
[86] 2021-03-31 (PCT/US2021/025029)
[87] (WO2021/216259)
[30] US (16/857,511) 2020-04-24

[21] **3,176,011**
[13] A1

[51] **Int.Cl. H04R 5/00 (2006.01) H04R 5/04 (2006.01) H04S 1/00 (2006.01) H04S 5/00 (2006.01)**

[25] EN
[54] **ACOUSTIC CROSSTALK CANCELLATION AND VIRTUAL SPEAKERS TECHNIQUES**

[54] **SUPPRESSION DE DIAPHONIE ACOUSTIQUE ET TECHNIQUES DE HAUT-PARLEURS VIRTUELS**

[72] GRAY, RUSSELL, US
[71] THX LTD., US
[85] 2022-10-18
[86] 2021-04-05 (PCT/US2021/025813)
[87] (WO2021/216274)
[30] US (16/857,033) 2020-04-23

[21] **3,176,013**
[13] A1

[51] **Int.Cl. B65D 27/30 (2006.01) B65D 43/02 (2006.01) B65D 43/16 (2006.01) B65D 51/20 (2006.01) B65D 55/02 (2006.01)**

[25] EN
[54] **TAMPER EVIDENT PLASTIC FOOD CONTAINER**

[54] **CONTENANT ALIMENTAIRE EN PLASTIQUE INVOLABLE**

[72] KRUEGER, KEVIN, US
[71] ANCHOR PACKAGING LLC, US
[85] 2022-10-18
[86] 2021-05-19 (PCT/US2021/033183)
[87] (WO2021/236788)
[30] US (16/879,123) 2020-05-20

[21] **3,176,014**
[13] A1

[51] **Int.Cl. B65D 27/30 (2006.01) B65D 43/02 (2006.01) B65D 43/16 (2006.01) B65D 51/20 (2006.01) B65D 55/02 (2006.01)**

[25] EN
[54] **TAMPER EVIDENT PLASTIC FOOD CONTAINER**

[54] **RECIPIENT ALIMENTAIRE EN PLASTIQUE INVOLABLE**

[72] KRUEGER, KEVIN, US
[71] ANCHOR PACKAGING LLC, US
[85] 2022-10-18
[86] 2021-05-19 (PCT/US2021/033194)
[87] (WO2021/236793)
[30] US (16/879,177) 2020-05-20

[21] **3,176,016**
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A61K 9/00 (2006.01) A61P 17/02 (2006.01)**

[25] EN
[54] **USES OF SUPER-OXYGENATED WATER AND GEL**

[54] **UTILISATIONS D'EAU ET DE GEL SUPER-OXYGENES**

[72] BEATTIE, MICHAEL, CA
[71] GIS VENTURES INC., CA
[85] 2022-10-18
[86] 2021-04-26 (PCT/CA2021/050569)
[87] (WO2021/212239)
[30] US (63/014,764) 2020-04-24

[21] **3,176,019**
[13] A1

[51] **Int.Cl. H02K 3/04 (2006.01) H02K 3/28 (2006.01) H02K 15/08 (2006.01) H02K 15/085 (2006.01)**

[25] EN
[54] **STATOR CORE, STATOR, AND POWER GENERATION SYSTEM HAVING THE SAME**

[54] **NOYAU DE STATOR, STATOR ET SYSTEME DE PRODUCTION D'ENERGIE DOTE DE CELUI-CI**

[72] QUINONES BASCUNAN, GUILLERMO ENZO, CL
[72] NEDER, CHRISTIAN JACOB, CL
[71] SISCRENER GLOBAL COMPANY LIMITED, TH
[85] 2022-10-18
[86] 2020-04-30 (PCT/IB2020/054053)
[87] (WO2021/220037)

[21] **3,176,020**
[13] A1

[51] **Int.Cl. A61K 31/131 (2006.01) A61P 1/16 (2006.01)**

[25] EN
[54] **ELAFIBRANOR FOR THE TREATMENT OF PRIMARY SCLEROSING CHOLANGITIS**

[54] **ELAFIBRANOR POUR LE TRAITEMENT DE L'ANGIOSCHOLITE SCLEROSANTE PRIMITIVE**

[72] ROUDOT, ALICE, FR
[71] GENFIT, FR
[85] 2022-10-18
[86] 2021-05-18 (PCT/EP2021/063075)
[87] (WO2021/233874)
[30] EP (20305513.2) 2020-05-18

Demandes PCT entrant en phase nationale

[21] **3,176,022**
[13] A1

[51] **Int.Cl. B29C 65/14 (2006.01) B29C 65/36 (2006.01) B32B 37/06 (2006.01)**

[25] EN

[54] **FIBER-REINFORCED COMPOSITE LAMINATE FOR USE IN ELECTROMAGNETIC WELDING AND METHOD OF ELECTROMAGNETIC WELDING OF MOLDED PARTS OF SAID LAMINATES**

[54] **STRATIFIE COMPOSITE RENFORCE PAR DES FIBRES DESTINE A ETRE UTILISE DANS UN SOUDAGE ELECTROMAGNETIQUE ET METHODE DE SOUDAGE ELECTROMAGNETIQUE DE PIECES MOULEES DESDITS STRATIFIES**

[72] LABORDUS, MAARTEN, NL
[72] JANSEN, TOM, NL
[72] BRUIJKERS, MICHIEL HENDRIK PAUL, NL
[72] WIRTZ, THOMAS, NL
[72] MITROUSIAS, ALEXANDROS MICHAIL, NL
[72] SCHMITTER, SACHA, NL
[71] KOK & VAN ENGELEN COMPOSITE STRUCTURES B.V., NL
[85] 2022-10-18
[86] 2021-04-30 (PCT/NL2021/050286)
[87] (WO2021/221510)
[30] NL (2025473) 2020-04-30

[21] **3,176,023**
[13] A1

[51] **Int.Cl. A01H 5/08 (2018.01) A01H 6/82 (2018.01) C12Q 1/6895 (2018.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **SOLANUM LYCOPERSICUM PLANTS HAVING IMPROVED TOBAMOVIRUS RESISTANCE**

[54] **PLANTES SOLANUM LYCOPERSICUM AYANT UNE RESISTANCE AU TOBAMOVIRUS AMELIOREE**

[72] VREDENBREGT-PILLON, PERNELLE, NL
[72] ALTENA, JOCHEM, NL
[72] MAMMELLA, MARCO ANTONIO, IT
[72] VERBAKEL, HENK, NL
[72] MILLENAAR, FRANK, NL
[71] NUNHEMS B.V., NL
[85] 2022-10-18
[86] 2021-04-15 (PCT/EP2021/059814)
[87] (WO2021/213892)
[30] EP (20171136.3) 2020-04-23

[21] **3,176,024**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/12 (2006.01) A61K 31/185 (2006.01) A61K 31/255 (2006.01) A61K 31/401 (2006.01) A61K 31/403 (2006.01) A61K 31/405 (2006.01) A61K 31/41 (2006.01) A61K 31/4178 (2006.01) A61K 31/4704 (2006.01) A61K 31/549 (2006.01) A61K 31/567 (2006.01) A61K 35/74 (2015.01) A61K 38/00 (2006.01) A61K 38/05 (2006.01) A61K 45/06 (2006.01) A61P 7/10 (2006.01) A61P 9/00 (2006.01) A61P 9/12 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMBINATION COMPRISING A BRAIN AMINOPEPTIDASE A INHIBITOR, A DIURETIC AND A BLOCKER OF THE SYSTEMIC RENIN-ANGIOTENSIN SYSTEM**

[54] **COMBINAISON PHARMACEUTIQUE COMPRENANT UN INHIBITEUR DE L'AMINOPEPTIDASE A DU CERVEAU, UN DIURETIQUE ET UN BLOQUEUR DU SYSTEME RENINE-ANGIOTENSINE SYSTEMIQUE**

[72] BALAVOINE, FABRICE, FR
[72] LLORENS-CORTES, CATHERINE, FR
[72] MARC, YANNICK, FR
[71] CIPO, CA
[71] QUANTUM GENOMICS, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE(INSERM), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] COLLEGE DE FRANCE, FR
[85] 2022-10-18
[86] 2021-05-05 (PCT/EP2021/061917)
[87] (WO2021/224354)
[30] EP (20305447.3) 2020-05-06

[21] **3,176,025**
[13] A1

[51] **Int.Cl. C07H 19/048 (2006.01) A61K 31/706 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **NICOTINAMIDE MONONUCLEOTIDE AND NICOTINAMIDE RIBOSIDE DERIVATIVES AND USE THEREOF IN THE TREATMENT OF VIRAL INFECTIONS AND RESPIRATORY COMPLICATIONS, IN PARTICULAR CAUSED BY INFLUENZAVIRUS OR CORONAVIRUS**

[54] **DERIVES DE NICOTINAMIDE MONONUCLEOTIDE ET DE NICOTINAMIDE RIBOSIDE ET LEUR UTILISATION DANS LE TRAITEMENT D'INFECTIONS VIRALES ET DE COMPLICATIONS RESPIRATOIRES, PROVOQUEES EN PARTICULIER PAR LE VIRUS DE LA GRIPPE OU LE CORONAVIRUS**

[72] BERMOND, GUILLAUME, FR
[72] GARCON, LAURENT, FR
[71] NUVAMID SA, CH
[85] 2022-10-18
[86] 2021-04-23 (PCT/EP2021/060693)
[87] (WO2021/214299)
[30] US (16/858,447) 2020-04-24
[30] EP (20171442.5) 2020-04-25
[30] US (15/930,154) 2020-05-12

[21] **3,176,026**
[13] A1

[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/78 (2006.01) B01D 53/96 (2006.01)**

[25] EN

[54] **METHOD FOR CARBON DIOXIDE CAPTURE AND SEQUESTRATION USING ALKALINE INDUSTRIAL WASTES**

[54] **PROCEDE DE CAPTURE ET DE SEQUESTRATION DE DIOXYDE DE CARBONE A L'AIDE DE DECHETS INDUSTRIELS ALCALINS**

[72] WANG, BU, US
[72] RAGIPANI, RAGHAVENDRA, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2022-10-18
[86] 2021-05-12 (PCT/IB2021/054068)
[87] (WO2022/118085)
[30] US (63/023,302) 2020-12-05

PCT Applications Entering the National Phase

[21] **3,176,027**
[13] A1

[51] **Int.Cl. A61C 7/08 (2006.01) A61C 7/36 (2006.01) A61C 9/00 (2006.01) A61C 19/05 (2006.01) A61F 5/058 (2006.01) A61F 5/56 (2006.01) A63B 71/08 (2006.01)**

[25] EN

[54] **USER-CUSTOMIZABLE ORTHOPEDIC ALIGNMENT DEVICE WITH ALIGNMENT GAP**

[54] **DISPOSITIF D'ALIGNEMENT ORTHOPEDIQUE PERSONNALISABLE PAR L'UTILISATEUR A ESPACE D'ALIGNEMENT**

[72] UECKERT, GREGG EDWARD, US

[71] UECKERT, GREGG EDWARD, US

[85] 2022-10-18

[86] 2021-04-22 (PCT/US2021/028624)

[87] (WO2021/216858)

[30] US (16/856,963) 2020-04-23

[21] **3,176,029**
[13] A1

[51] **Int.Cl. C07D 495/14 (2006.01) C07D 513/14 (2006.01)**

[25] EN

[54] **TRICYCLIC COMPOUNDS AS INHIBITORS OF NLRP3**

[54] **COMPOSES TRICYCLIQUES EN TANT QU'INHIBITEURS DE NLRP3**

[72] OEHLRICH, DANIEL, BE

[72] VAN OPDENBOSCH, NINA, BE

[72] LAMKANFI, MOHAMED, BE

[72] DIEGUEZ-VAZQUEZ, ALEJANDRO, ES

[72] VAN GOOL, MICHIEL LUC MARIA, ES

[72] CANELLAS ROMAN, SANTIAGO, ES

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2022-10-18

[86] 2021-04-23 (PCT/EP2021/060649)

[87] (WO2021/214284)

[30] EP (20382332.3) 2020-04-23

[21] **3,176,030**
[13] A1

[51] **Int.Cl. C10M 141/10 (2006.01)**

[25] EN

[54] **METHOD OF LUBRICATING AN AUTOMOTIVE OR INDUSTRIAL GEAR**

[54] **PROCEDE DE LUBRIFICATION D'UN ENGRENAGE AUTOMOBILE OU INDUSTRIEL**

[72] FILIPPINI, BRIAN B., US

[72] BARTON, WILLIAM R.S., GB

[71] THE LUBRIZOL CORPORATION, US

[85] 2022-10-18

[86] 2021-04-19 (PCT/US2021/027869)

[87] (WO2021/221936)

[30] US (63/015,884) 2020-04-27

[21] **3,176,031**
[13] A1

[25] EN

[54] **A SYSTEM AND METHOD FOR AUTOMATIC TASK MANAGEMENT AND ALLOCATION IN AN AIRPORT**

[54] **SYSTEME ET PROCEDE DE GESTION ET D'ATTRIBUTION AUTOMATIQUES DE TACHES DANS UN AEROPORT**

[72] MALINOFSKY, ANDREW ERIC, US

[72] O'SULLIVAN, KEVIN, GB

[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB

[85] 2022-10-18

[86] 2021-04-30 (PCT/EP2021/061484)

[87] (WO2021/219890)

[30] US (63/017,817) 2020-04-30

[21] **3,176,032**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/9789 (2017.01) A61K 8/9794 (2017.01) A61Q 13/00 (2006.01) B01D 3/00 (2006.01) C11B 9/02 (2006.01)**

[25] FR

[54] **METHOD FOR EXTRACTING ODOUR FROM A PLANT MATERIAL, IN PARTICULAR FROM MUTE FLOWERS, IN SOLID FORM**

[54] **PROCEDE D'EXTRACTION D'ODEUR A PARTIR D'UNE MATIERE VEGETALE, NOTAMMENT DE FLEURS MUTES, SOUS FORME SOLIDE**

[72] GILLET, GUILLAUME, FR

[72] DESJARDINS-LAVISSE, ISABELLE, FR

[71] GENIALIS, FR

[85] 2022-10-18

[86] 2021-04-29 (PCT/FR2021/050741)

[87] (WO2021/219963)

[30] FR (FR2004245) 2020-04-29

[21] **3,176,033**
[13] A1

[51] **Int.Cl. F02M 15/02 (2006.01) F02M 29/02 (2006.01) F02M 29/04 (2006.01) F02B 19/10 (2006.01)**

[25] FR

[54] **FORCED RECIRCULATION MIXER**

[54] **MELANGEUR A RECIRCULATION FORCEE**

[72] RABHI, VIANNEY, FR

[71] RABHI, VIANNEY, FR

[85] 2022-10-18

[86] 2021-03-09 (PCT/FR2021/000021)

[87] (WO2021/219943)

[30] FR (2004269) 2020-04-29

Demandes PCT entrant en phase nationale

[21] **3,176,036**
[13] A1

[51] **Int.Cl. B65G 27/02 (2006.01) B65G 27/24 (2006.01)**
[25] EN
[54] **METHOD FOR CHECKING THE FUNCTIONALITY OF A VIBRATORY CONVEYOR DEVICE**
[54] **PROCEDE PERMETTANT DE VERIFIER LA FONCTIONNALITE D'UN DISPOSITIF DE TRANSPORTEUR VIBRANT**
[72] RUTTI, MARIO, CH
[72] FRECH, TOBIAS, CH
[72] FISCHER, HORST, DE
[71] KRAMER AG BASSERSDORF, CH
[85] 2022-10-18
[86] 2021-01-28 (PCT/CH2021/050002)
[87] (WO2021/212241)
[30] CH (00466/20) 2020-04-21

[21] **3,176,037**
[13] A1

[51] **Int.Cl. G16B 99/00 (2019.01)**
[25] EN
[54] **HANDLING AND TRACKING OF BIOLOGICAL SPECIMENS FOR CRYOGENIC STORAGE**
[54] **MANIPULATION ET SUIVI D'ECHANTILLONS BIOLOGIQUES POUR UN STOCKAGE CRYOGENIQUE**
[72] BIXON, BRIAN, US
[72] GO, KATHRYN, US
[72] GUPTA, AMIT, US
[72] HARLOW, BENJAMIN, US
[72] MURRAY, ALAN, US
[72] SHARP, TIM, US
[71] TMRW LIFE SCIENCES, INC., US
[85] 2022-10-18
[86] 2021-05-14 (PCT/US2021/032600)
[87] (WO2021/236463)
[30] US (63/026,526) 2020-05-18

[21] **3,176,038**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01)**
[25] EN
[54] **REGULATORY NUCLEIC ACID SEQUENCES**
[54] **SEQUENCES D'ACIDES NUCLEIQUES REGULATRICES**
[72] OOSTERVEEN, TONY, GB
[72] BRAAE, ANNE, GB
[72] COOPER, SINCLAIR, GB
[72] IGLESIAS, JUAN MANUEL, GB
[72] ROBERTS, MICHAEL L., GB
[71] ASKLEPIOS BIOPHARMACEUTICAL, INC., US
[85] 2022-10-18
[86] 2021-04-19 (PCT/GB2021/050939)
[87] (WO2021/214443)
[30] GB (2005732.9) 2020-04-20

[21] **3,176,039**
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) B25F 5/00 (2006.01) B25F 5/02 (2006.01)**
[25] EN
[54] **HAND-HELD POWER TOOL HAVING GRASP-ACTIVATED POWER SWITCH**
[54] **OUTIL ELECTRIQUE PORTATIF DOTE D'UN COMMUTATEUR D'ALIMENTATION A PREHENSION**
[72] GRASSANO, MARK VINCENT, US
[71] GRASSANO, MARK VINCENT, US
[85] 2022-10-18
[86] 2021-04-20 (PCT/US2021/028257)
[87] (WO2021/216624)
[30] US (63/012,772) 2020-04-20

[21] **3,176,042**
[13] A1

[51] **Int.Cl. C07D 215/20 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF A KINASE INHIBITOR**
[54] **PROCEDE DE PREPARATION D'UN INHIBITEUR DE KINASE**
[72] DEMORIN, FRENEL, US
[72] SHAH, KHALID, US
[72] SHAKYA, SAGAR, US
[72] WANG, YONG, US
[72] XU, WEI, US
[71] EXELIXIS, INC., US
[85] 2022-10-18
[86] 2021-04-30 (PCT/US2021/030035)
[87] (WO2021/222673)
[30] US (63/017,739) 2020-04-30

[21] **3,176,045**
[13] A1

[51] **Int.Cl. G06F 1/3203 (2019.01) G06F 1/3296 (2019.01) G06N 20/00 (2019.01) G06F 9/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR SERVER POWER MANAGEMENT**
[54] **SYSTEME ET PROCEDES DE GESTION D'ALIMENTATION DE SERVEUR**
[72] LERER, ABRAHAM, IL
[72] BELKIN, SHAHAR, IL
[71] ZUTA-CORE LTD., IL
[85] 2022-10-18
[86] 2021-04-19 (PCT/IL2021/050439)
[87] (WO2021/214752)
[30] US (63/012,503) 2020-04-20

[21] **3,176,046**
[13] A1

[51] **Int.Cl. C12N 9/64 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01) G01N 33/567 (2006.01)**
[25] EN
[54] **COMPOSITIONS, SYSTEMS, AND METHODS FOR THE GENERATION, IDENTIFICATION, AND CHARACTERIZATION OF EFFECTOR DOMAINS FOR ACTIVATING AND SILENCING GENE EXPRESSION**
[54] **COMPOSITIONS, SYSTEMES ET PROCEDES DE GENERATION, D'IDENTIFICATION ET DE CARACTERISATION DE DOMAINES EFFECTEURS POUR L'ACTIVATION ET LE SILENCAGE DE L'EXPRESSION GENIQUE**
[72] BASSIK, MICHAEL C., US
[72] TYCKO, JOSH, US
[72] HESS, GAELAN T., US
[72] BINTU, LACRAMIOARA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-10-18
[86] 2021-05-04 (PCT/US2021/030643)
[87] (WO2021/226077)
[30] US (63/019,706) 2020-05-04
[30] US (63/074,793) 2020-09-04

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[51] Int.Cl. A61K 31/198 (2006.01) A61K 45/06 (2006.01) A61P 1/16 (2006.01) C07C 229/08 (2006.01) C07C 229/26 (2006.01)	[51] Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01)	[51] Int.Cl. C07D 277/28 (2006.01) A61K 31/454 (2006.01) A61K 31/5377 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07D 417/12 (2006.01)
[25] EN	[25] EN	[25] EN
[54] (S)-2-AMINO-6-((3-AMINOPROPYL)AMINO)HEXANOIC ACID (APL) FOR USE IN THE TREATMENT OF NON-ALCOHOLIC STEATOHEPATITIS (NASH), LIVER INFLAMMATION, HEPATOCELLULAR BALLOONING, LIVER FIBROSIS AND STEATOSIS	[54] APPAREIL DE TORREFACTION DE GRAINS DE CAFE	[54] NOVEL 2-ARYLTHIAZOLE DERIVATIVE OR SALT THEREOF, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
[54] ACIDE (S)-2-AMINO-6-((3-AMINOPROPYL)AMINO)HEXANOIQUE (APL) DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA STEATOHEPATITE NON ALCOOLIQUE (NASH), DE L'INFLAMMATION HEPATIQUE, DU BALLONNEMENT HEPATOCELLULAIRE, DE LA FIBROSE HEPATIQUE ET DE LA STEATOS	[72] SAVIOZ, GREGORY, CH [72] GEBS, JONATHAN, CH [72] SCORRANO, LUCIO, CH [71] SOCIETE DES PRODUITS NESTLE SA, CH	[54] NOVEL 2-ARYLTHIAZOLE DERIVATIVE OR SALT THEREOF, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME
[72] MERALI, SALIM, US [72] CHILDERS, WAYNE E., US [72] BARRERO, CARLOS, US [72] MORTON, GEORGE C., US [72] RICO, MARIO CESAR, US [71] TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US	[85] 2022-10-19 [86] 2021-05-17 (PCT/EP2021/062916) [87] (WO2021/249722) [30] EP (20179335.3) 2020-06-10	[72] HAN, SHIN, KR [72] LEE, JAE-HYOUNG, KR [71] HEXAPHARMATEC CO., LTD., KR
[85] 2022-10-18 [86] 2021-04-23 (PCT/US2021/028849) [87] (WO2021/217006) [30] US (63/015,175) 2020-04-24	[21] 3,176,082 [13] A1	[85] 2022-10-19 [86] 2021-01-15 (PCT/KR2021/000578) [87] (WO2021/215624) [30] KR (10-2020-0048262) 2020-04-21
	[51] Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01) A23N 12/12 (2006.01)	
	[25] EN	
	[54] APPARATUS AND METHOD FOR ROASTING COFFEE BEANS	
	[54] APPAREIL ET PROCEDE DE TORREFACTION DE GRAINS DE CAFE	
	[72] SAVIOZ, GREGORY, CH [72] ROUSSELIN, FRANK, FR [72] JANET MAITRE, GHISLAIN, FR [72] DEL REY, JONATHAN, FR [71] SOCIETE DES PRODUITS NESTLE SA, CH	
	[85] 2022-10-19 [86] 2021-05-17 (PCT/EP2021/062917) [87] (WO2021/249723) [30] EP (20179357.7) 2020-06-10	
		[21] 3,176,097 [13] A1
		[51] Int.Cl. A61C 8/00 (2006.01)
		[25] EN
		[54] DENTAL IMPLANT TO BE PLACED IN THE POSTERIOR UPPER JAW
		[54] IMPLANT DENTAIRE DESTINE A ETRE PLACE DANS LA MACHOIRE SUPERIEURE POSTERIEURE
		[72] TRISI, PAOLO, IT [71] NODRILL S.R.L., IT
		[85] 2022-10-19 [86] 2021-04-19 (PCT/IB2021/053191) [87] (WO2021/214619) [30] IT (102020000008326) 2020-04-20
[21] 3,176,053 [13] A1		
[51] Int.Cl. A61K 47/69 (2017.01)		
[25] EN		
[54] TRANSFECTION AND TRANSDUCTION SYSTEM		
[54] SYSTEME DE TRANSFECTION ET DE TRANSDUCTION		
[72] THERMIS, MICHAEL, GB [72] TEMPLETON, DAVID, GB [71] N4 PHARMA UK LIMITED, GB		
[85] 2022-10-18 [86] 2021-04-21 (PCT/GB2021/050960) [87] (WO2021/214462) [30] GB (2005957.2) 2020-04-23		

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[21] **3,176,117**
[13] A1

[51] **Int.Cl. H02M 7/00 (2006.01) H02N 2/00 (2006.01) H02N 2/18 (2006.01)**

[25] EN

[54] **DEVICE FOR AMBIENT THERMAL AND VIBRATION ENERGY HARVESTING**

[54] **DISPOSITIF DE COLLECTE D'ENERGIE THERMIQUE ET VIBRATOIRE AMBIANTE**

[72] THIBADO, PAUL, US

[71] UNIVERSITY OF ARKANSAS TECHNOLOGY VENTURES, US

[85] 2022-10-19

[86] 2021-04-22 (PCT/US2021/028638)

[87] (WO2021/216870)

[30] US (63/013,631) 2020-04-22

[21] **3,176,124**
[13] A1

[51] **Int.Cl. A01D 41/12 (2006.01) A01M 21/02 (2006.01)**

[25] EN

[54] **BELT DRIVE FOR A WEED SEED DESTRUCTOR OF A COMBINE HARVESTER**

[54] **ENTRAINEMENT DE COURROIE POUR UN DISPOSITIF DE DESTRUCTION DE GRAINES DE MAUVAISES HERBES D'UNE MOISSONNEUSE-BATTEUSE**

[72] MAYERLE, DEAN, CA

[71] TRITANA INTELLECTUAL PROPERTY LTD., CA

[85] 2022-10-19

[86] 2021-07-28 (PCT/CA2021/051053)

[87] (WO2022/032376)

[30] US (63/065,609) 2020-08-14

[21] **3,176,131**
[13] A1

[51] **Int.Cl. C21B 13/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING REDUCED IRON**

[54] **PROCEDE DE PRODUCTION DE FER REDUIT**

[72] INADA, TAKANOBU, JP

[72] MIZUTANI, MORITOSHI, JP

[72] UJISAWA, YUTAKA, JP

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2022-10-19

[86] 2021-05-13 (PCT/JP2021/018156)

[87] (WO2021/230307)

[30] JP (2020-085078) 2020-05-14

[21] **3,176,134**
[13] A1

[51] **Int.Cl. C07J 5/00 (2006.01) A61K 9/00 (2006.01) A61K 31/557 (2006.01) A61K 31/56 (2006.01) C07J 75/00 (2006.01)**

[25] EN

[54] **HETERODIMER COMPOSITIONS AND METHODS FOR THE TREATMENT OF OCULAR DISORDERS**

[54] **COMPOSITIONS HETERODIMERES ET METHODES POUR LE TRAITEMENT DE TROUBLES OCULAIRES**

[72] PARRAG, IAN CHARLES, CA

[72] STATHAM, MATTHEW ALEXANDER JOHN, CA

[72] RIZIS, GEORGIOS, CA

[72] BATTISTON, KYLE, CA

[72] NAIMARK, WENDY ALISON, CA

[71] RIPPLE THERAPEUTICS CORPORATION, CA

[85] 2022-10-19

[86] 2021-04-29 (PCT/IB2021/000332)

[87] (WO2021/220061)

[30] US (63/019,182) 2020-05-01

[21] **3,176,145**
[13] A1

[51] **Int.Cl. G01N 13/00 (2006.01) B81B 1/00 (2006.01) B81B 7/00 (2006.01)**

[25] EN

[54] **MICROFLUIDIC DEVICES, SYSTEMS, AND METHODS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES MICROFLUIDIQUES**

[72] AHITAN, SOURABH, CA

[72] WORTHING, SHAWN, CA

[72] ABEDINI, ALI REZA, CA

[72] YANG, TAO, CA

[72] UNGAR, FRODE, CA

[72] ULEBERG, KNUT, CA

[71] INTERFACE FLUIDICS LTD., CA

[85] 2022-10-19

[86] 2021-06-07 (PCT/CA2021/050778)

[87] (WO2021/253112)

[30] US (63/039,144) 2020-06-15

[21] **3,176,148**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01) A61M 25/095 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR NEEDLE/CATHETER LOCATION UTILIZING CORRELATION ANALYSIS**

[54] **DISPOSITIF ET PROCEDE POUR L'EMPLACEMENT D'AIGUILLE/CATHETER A L'AIDE D'UNE ANALYSE DE CORRELATION**

[72] HOCHMAN, MARK N., US

[72] BUCK, RICHARD K., US

[71] MILESTONE SCIENTIFIC INC., US

[85] 2022-10-19

[86] 2020-04-24 (PCT/US2020/029857)

[87] (WO2021/216089)

[21] **3,176,154**
[13] A1

[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61P 31/04 (2006.01) A61P 31/14 (2006.01) A61P 31/20 (2006.01)**

[25] EN

[54] **A COMBINATION OF VACCINES TO PROPHYLACTICALLY TREAT A PIG**

[54] **COMBINAISON DE VACCINS POUR LE TRAITEMENT PROPHYLACTIQUE D'UN PORC**

[72] WITVLIET, MAARTEN HENDRIK, NL

[72] HORSINGTON, JACQUELYN, NL

[71] INTERVET INTERNATIONAL B.V., NL

[85] 2022-10-19

[86] 2021-04-19 (PCT/EP2021/060015)

[87] (WO2021/213949)

[30] EP (20170442.6) 2020-04-20

[21] **3,176,155**
[13] A1

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

[25] EN

[54] **PRN ADAPTER**

[54] **ADAPTATEUR PRN**

[72] KUNARDI, LINDA, SG

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2022-10-19

[86] 2021-04-19 (PCT/US2021/027899)

[87] (WO2021/216410)

[30] CN (202020642967.0) 2020-04-24

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[51] Int.Cl. C07K 16/28 (2006.01) A61K 31/198 (2006.01)	[51] Int.Cl. C12M 3/00 (2006.01) C12M 3/02 (2006.01) C12M 3/04 (2006.01)	[51] Int.Cl. A61K 31/7048 (2006.01) A61K 31/352 (2006.01) A61K 31/56 (2006.01) A61P 27/02 (2006.01) A61P 33/14 (2006.01)
[25] EN	[25] EN	[25] EN
[54] ANTI-HUMAN VISTA ANTIBODIES AND USE THEREOF	[54] DIGITAL FLUID TELEPORTATION, ADVANCED BIOLOGICAL VIRTUALIZATION, AND LARGE SCALE INTEGRATION OF ORGAN-ON-CHIPS AND MICROPHYSIOLOGICAL MODELS	[54] APPLICATION OF COMPOUNDS IN CONTROLLING OR KILLING MITES
[54] ANTICORPS ANTI-VISTA HUMAINS ET UTILISATION ASSOCIEE	[54] TELEPORTATION DE FLUIDE NUMERIQUE, VIRTUALISATION BIOLOGIQUE AVANCEE ET INTEGRATION A GRANDE ECHELLE D'ORGANES SUR PUCES ET DE MODELES MICROPHYSIOLOGIQUES	[54] APPLICATION DE COMPOSES DANS LA LUTTE CONTRE LES ACARIENS OU LA DESTRUCTION DE CES DERNIERS
[72] ROTHSTEIN, JAY, US	[72] HUH, DONGEUN, US	[72] ZHANG, YAN, CN
[72] BELL, KIERSTIN, US	[72] GEORGESCU, ANDREI, US	[71] SMILEBIOTEK ZHUHAI LIMITED, CN
[72] CARRIERE, CATHERINE, US	[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US	[85] 2022-10-19
[72] MOLLOY, MICHAEL, US	[85] 2022-10-19	[86] 2021-04-23 (PCT/CN2021/089105)
[72] KUTA, ANNA, US	[86] 2021-04-23 (PCT/US2021/028774)	[87] (WO2021/213483)
[72] SCHWERTNER, NICHOLAS, US	[87] (WO2021/216955)	[30] CN (202010334025.0) 2020-04-24
[72] DAY, MARIA, US	[30] US (63/015,242) 2020-04-24	
[72] HUANG, XIN, US		
[72] PECHENICK, DOV, US		
[72] KLINE, TONI, US		
[72] RAJANNA, SHIBHANI, US		
[72] GUO, YALIN, US		
[72] WANG, YINGCAI (IAN), US		
[72] ZHOU, JIEYU, US		
[72] SEREGIN, SERGEY, US		
[72] CLARK, ERIN, US		
[72] MEIMETIS, LABROS, US		
[72] MEDINA, JULIO, US		
[72] SUN, SHENG, US		
[72] KOVAL, ALEXANDER, US		
[72] THUMMANAPELLI, SRAVAN, US		
[72] BORKIN, DMITRY, US		
[72] LORIYA, RAJESHKUMAR MAGANLAL, IN		
[71] IMMUNEXT, INC., US		
[85] 2022-10-19		
[86] 2021-04-22 (PCT/US2021/028698)		
[87] (WO2021/216913)		
[30] US (63/013,878) 2020-04-22		
[30] US (63/013,887) 2020-04-22		
[30] US (63/134,811) 2021-01-07		
[30] US (63/138,958) 2021-01-19		
	[21] 3,176,166 [13] A1	[21] 3,176,171 [13] A1
	[51] Int.Cl. A61K 39/12 (2006.01) A61M 37/00 (2006.01) A61P 31/14 (2006.01)	[51] Int.Cl. A63G 7/00 (2006.01) A63G 31/00 (2006.01) B60R 21/02 (2006.01) B60R 22/00 (2006.01)
	[25] EN	[25] EN
	[54] SYSTEM AND METHOD TO USE SUCTION TO ENHANCE PERMEABILIZATION AND TRANSFECTION OF CELLS	[54] SUPPORT BAR MOUNTED SYSTEM AND METHOD OF MINIMUM CLOSE INDICATION FOR RIDE VEHICLE
	[54] SYSTEME ET PROCEDE D'UTILISATION D'ASPIRATION POUR AMELIORER LA PERMEABILISATION ET LA TRANSFECTION DE CELLULES	[54] SYSTEME MONTE SUR UNE BARRE DE SUPPORT ET PROCEDE D'INDICATION DE PROXIMITE MINIMALE POUR VEHICULE DE MANEGE
	[72] LIN, HAO, US	[72] KISH, SHAWN MICHAEL, US
	[72] SINGER, JONATHAN P., US	[72] WILCOX, RACHEL SARAH, US
	[72] SHREIBER, DAVID I., US	[72] BERTONCELLO, JAMES ANTHONY, US
	[72] SHAN, JERRY W., US	[72] RUSSELL, MICHAEL DAVID, US
	[72] ZAHN, JEFFREY D., US	[71] UNIVERSAL CITY STUDIOS LLC, US
	[72] LALLOW, EMRAN O., US	[85] 2022-10-19
	[72] MELNIK, JULIET M., US	[86] 2021-05-11 (PCT/US2021/031845)
	[72] JHUMUR, NANDITA CHAKRABARTY, US	[87] (WO2021/231479)
	[71] RUTGERS, THE STATE UNIVERSITY, US	[30] US (63/023,413) 2020-05-12
	[85] 2022-10-19	[30] US (17/316,583) 2021-05-10
	[86] 2021-05-03 (PCT/US2021/030513)	
	[87] (WO2021/225983)	
	[30] US (63/019,933) 2020-05-04	

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[13] A1

[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTI-SECTIONAL SHOW ROBOT**
[54] **SYSTEMES ET PROCEDES POUR ROBOT DE SPECTACLE A SECTIONS MULTIPLES**
[72] JEROMIN, AARON CHANDLER, US
[72] KRAUTHAMER, AKIVA MEIR, US
[72] GARNIER, TIMOTHY FITZGERALD, US
[72] HERTZLER, ELAM KEVIN, US
[72] PEARSE, MATTHEW SEAN, US
[72] KNOX, SAMUEL JAMES, US
[72] WILSON, LEE MARVIN, US
[72] HUMPHREYS, KIMBERLY ANNE, US
[72] NICHOSON, CODY DANIEL, US
[72] DRESSEN, TRACE ANDREW, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2022-10-19
[86] 2021-05-06 (PCT/US2021/031054)
[87] (WO2021/231166)
[30] US (63/024,640) 2020-05-14
[30] US (17/225,793) 2021-04-08

[21] **3,176,177**
[13] A1

[51] **Int.Cl. G06V 10/82 (2022.01)**
[25] EN
[54] **DRIFT REGULARIZATION TO COUNTERACT VARIATION IN DRIFT COEFFICIENTS FOR ANALOG ACCELERATORS**
[54] **REGULARISATION DE DERIVE POUR CONTREBALANCER UNE VARIATION DE COEFFICIENTS DE DERIVE POUR DES ACCELERATEURS ANALOGIQUES**
[72] TSAI, HSINYU, US
[72] KARIYAPPA, SANJAY, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-10-19
[86] 2021-06-04 (PCT/IB2021/054901)
[87] (WO2021/255569)
[30] US (16/905,241) 2020-06-18

[21] **3,176,179**
[13] A1

[51] **Int.Cl. G01R 31/08 (2020.01) G01R 31/12 (2020.01) G06N 3/02 (2006.01)**
[25] EN
[54] **FAULT ARC SIGNAL DETECTION METHOD USING CONVOLUTIONAL NEURAL NETWORK**
[54] **PROCEDE DE DETECTION DE SIGNAL D'ARC DE DEFAUT AU MOYEN D'UN RESEAU NEURONAL A CONVOLUTION**
[72] LIU, ZHEN, CN
[72] WANG, JIANHUA, CN
[72] MA, YUE, CN
[72] WANG, HUARONG, CN
[71] QINGDAO TOPSCOMM COMMUNICATION CO., LTD, CN
[85] 2022-10-19
[86] 2020-12-25 (PCT/CN2020/139396)
[87] (WO2021/212891)
[30] CN (202010001455.0) 2020-04-22
[30] CN (202011505343.5) 2020-12-18

[21] **3,176,183**
[13] A1

[51] **Int.Cl. A61K 31/46 (2006.01) A61K 31/138 (2006.01) A61K 45/06 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **TREATMENT OF HYPOTHALAMIC OBESITY**
[54] **TRAITEMENT DE L'OBESITE HYPOTHALAMIQUE**
[72] DREJER, JORGEN, DK
[72] KROGSGAARD, KIM, DK
[72] EDSBERG, BERIT, DK
[71] SANIONA A/S, DK
[85] 2022-10-19
[86] 2021-04-22 (PCT/EP2021/060548)
[87] (WO2021/214233)
[30] EP (20170952.4) 2020-04-22
[30] EP (20209186.4) 2020-11-23

[21] **3,176,186**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCERS WITH AN ANTIBODY THAT BINDS LGR5 AND EGFR**
[54] **TRAITEMENT DE CANCERS AVEC UN ANTICORPS SE LIANT A LGR5 ET EGFR**
[72] WASSERMAN, ERNESTO ISAAC, NL
[72] BOL, CORNELIS JACOB JOHANNES GEORGE, NL
[72] FATRAI, SZABOLCS, NL
[71] MERUS N.V., NL
[85] 2022-10-19
[86] 2021-04-23 (PCT/NL2021/050267)
[87] (WO2021/215926)
[30] NL (2025425) 2020-04-24

[21] **3,176,187**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/10 (2006.01) A61L 27/36 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING EXTRACELLULAR MATERIAL WITH ANTIVIRAL ACTIVITY AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UN MATERIAU EXTRACELLULAIRE A ACTIVITE ANTIVIRALE ET LEURS UTILISATIONS**
[72] FETTE, CLAY, US
[71] FETTECH, LLC, US
[85] 2022-10-19
[86] 2021-04-22 (PCT/US2021/028555)
[87] (WO2021/216816)
[30] US (63/013,789) 2020-04-22

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[21] **3,176,189**
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01)**
[25] EN
[54] **NUCLEIC ACID AND CELL PRESERVATIVE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE CONSERVATION D'ACIDES NUCLEIQUES ET DE CELLULES ET LEURS PROCEDES D'UTILISATION**
[72] PICCIRILLI, JOSEPH, US
[72] WEIKART, CHRISTOPHER, US
[72] KLIBANOV, ALEXANDER M., US
[72] HEXOM, TIA, US
[72] NUNEZ, BRANDY, US
[71] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2022-10-19
[86] 2021-04-15 (PCT/US2021/027573)
[87] (WO2021/216353)
[30] US (63/012,637) 2020-04-20
[30] US (PCT/US2021/012844) 2021-01-08

[21] **3,176,190**
[13] A1

[51] **Int.Cl. B29C 49/46 (2006.01) B29C 49/48 (2006.01) B29C 49/64 (2006.01) B29C 49/78 (2006.01) H05B 6/02 (2006.01)**
[25] EN
[54] **BLOW MOLDING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE MOULAGE PAR SOUFFLAGE**
[72] IYER, SUSHIL, US
[71] ELC MANAGEMENT LLC, US
[85] 2022-10-19
[86] 2021-04-22 (PCT/US2021/028510)
[87] (WO2021/216794)

[21] **3,176,191**
[13] A1

[51] **Int.Cl. A61K 31/427 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **TREATMENT OF PROLIFERATIVE DISEASES OF THE CNS**
[54] **TRAITEMENT DE MALADIES PROLIFERATIVES DU SNC**
[72] WANG, SHUDONG, AU
[71] AUCENTRA THERAPEUTICS PTY LTD, AU
[85] 2022-10-19
[86] 2021-05-05 (PCT/AU2021/000036)
[87] (WO2021/222967)
[30] AU (2020901435) 2020-05-06

[21] **3,176,195**
[13] A1

[51] **Int.Cl. G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD OF GENERATING AUTOMATED COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE DE GENERATION DE COMMUNICATIONS AUTOMATISEES**
[72] GORNY, THOMAS, US
[71] NEXTIVA, INC., US
[85] 2022-10-19
[86] 2021-04-20 (PCT/US2021/028130)
[87] (WO2021/216533)
[30] US (63/012,745) 2020-04-20
[30] US (17/233,060) 2021-04-16

[21] **3,176,196**
[13] A1

[51] **Int.Cl. A61K 31/7105 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C07H 21/02 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **BIFUNCTIONAL MOLECULES AND METHODS OF USING THEREOF**
[54] **MOLECULES BIFONCTIONNELLES ET LEURS METHODES D'UTILISATION**
[72] STEBBINS, NATHAN WILSON, US
[72] PORTNEY, BENJAMIN ANDREW, US
[72] VALEUR, ERIC BRUNO, US
[72] RUBENS, JACOB ROSENBLUM, US
[72] DANESHVAR, KAVEH, US
[72] SNEIDER, ALEXANDRA RACHAEL, US
[71] FLAGSHIP PIONEERING, INC., US
[85] 2022-10-19
[86] 2021-04-21 (PCT/US2021/028499)
[87] (WO2021/216786)
[30] US (63/013,462) 2020-04-21
[30] US (63/139,916) 2021-01-21

[21] **3,176,197**
[13] A1

[25] EN
[54] **SYSTEM AND METHOD FOR PERSONALIZATION AS A SERVICE**
[54] **SYSTEME ET PROCEDE DE PERSONNALISATION EN TANT QUE SERVICE**
[72] HAYES, SEAMUS, IE
[72] BATES, ANTHONY, US
[72] CICCHITTO, ANGELO, IT
[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
[85] 2022-10-19
[86] 2021-04-27 (PCT/US2021/029490)
[87] (WO2021/222320)
[30] US (63/016,140) 2020-04-27
[30] US (17/241,673) 2021-04-27

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[21] **3,176,198**
[13] A1

[51] **Int.Cl. B65D 5/02 (2006.01) B65D 5/36 (2006.01)**

[25] EN

[54] **TRIANGULAR PACKAGES HAVING AUTOBOTTOMS AND BLANKS THEREFOR**

[54] **EMBALLAGES TRIANGULAIRES AYANT DES FONDOS AUTOMATIQUES ET EBAUCHES POUR CEUX-CI**

[72] PADILLA, JESUS A., US

[71] WESTROCK SHARED SERVICES, LLC, US

[85] 2022-10-19

[86] 2021-04-20 (PCT/US2021/028060)

[87] (WO2021/216484)

[30] US (62/704,082) 2020-04-20

[21] **3,176,199**
[13] A1

[51] **Int.Cl. B01J 23/648 (2006.01) B01J 23/652 (2006.01) B01J 27/185 (2006.01) C01B 3/26 (2006.01) C07C 5/367 (2006.01)**

[25] EN

[54] **EGG SHELL-TYPE PLATINUM-LOADED ALUMINA CATALYST, METHOD OF PRODUCING SAME, AND METHOD OF USING SAME**

[54] **CATALYSEUR D'ALUMINE CHARGE EN PLATINE DE TYPE COQUILLE D'UF, SON PROCEDE DE PRODUCTION, ET SON UTILISATION**

[72] OKADA, YOSHIMI, JP

[72] IMAGAWA, KENICHI, JP

[72] SAITO, MASASHI, JP

[72] FUKUDOME, KENTA, JP

[72] KOBAYASHI, HARUTO, JP

[71] CHIYODA CORPORATION, JP

[85] 2022-10-19

[86] 2020-04-23 (PCT/JP2020/017564)

[87] (WO2021/214955)

[21] **3,176,200**
[13] A1

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

[25] EN

[54] **CORNER SEGMENT AND CORNER SHROUD FOR A WORK IMPLEMENT**

[54] **SEGMENT D'ANGLE ET ENVELOPPE D'ANGLE POUR UN OUTIL DE TRAVAIL**

[72] BJERKE, NATHAN R., US

[72] CONGDON, THOMAS M., US

[71] CATERPILLAR INC., US

[85] 2022-10-19

[86] 2021-04-07 (PCT/US2021/026110)

[87] (WO2021/221864)

[30] US (63/015,928) 2020-04-27

[30] US (17/212,015) 2021-03-25

[21] **3,176,201**
[13] A1

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

[25] EN

[54] **SYSTEM AND METHOD OF AUTOMATED COMMUNICATIONS VIA VERTICALIZATION**

[54] **SYSTEME ET PROCEDE DE COMMUNICATIONS AUTOMATISEES PAR VERTICALISATION**

[72] GORNY, THOMAS, US

[71] NEXTIVA, INC., US

[85] 2022-10-19

[86] 2021-04-20 (PCT/US2021/028134)

[87] (WO2021/216536)

[30] US (63/012,747) 2020-04-20

[30] US (17/233,070) 2021-04-16

[21] **3,176,203**
[13] A1

[51] **Int.Cl. B01D 29/15 (2006.01) F02M 37/28 (2019.01) F02M 37/32 (2019.01) B01D 29/21 (2006.01) B01D 29/23 (2006.01) B01D 29/90 (2006.01)**

[25] EN

[54] **FILTER ELEMENT INTEGRATED SEAL PROFILE**

[54] **PROFILE D'ETANCHEITE INTEGRE D'ELEMENT FILTRANT**

[72] IMMEL, JON T., US

[72] OEDEWALDT, STEPHEN E., US

[72] RIES, JEFFREY R., US

[72] POTTS, GREGORY O., US

[72] CLINE, JAY H., US

[72] EVERY, JOSEPH J., US

[72] MOREHOUSE III, DARRELL L., US

[71] CATERPILLAR INC., US

[85] 2022-10-19

[86] 2021-03-15 (PCT/US2021/022288)

[87] (WO2021/221802)

[30] US (16/859,137) 2020-04-27

[21] **3,176,206**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) C07D 403/10 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **NOVEL COMPOUNDS USEFUL AS POLY(ADP-RIBOSE) POLYMERASE (PARP) INHIBITORS**

[54] **NOUVEAUX COMPOSES UTILES EN TANT QU'INHIBITEURS DE LA POLY(ADP-RIBOSE) POLYMERASE (PARP)**

[72] BHUNIYA, DEBNATH, IN

[72] VISWANADHA, SRIKANT, IN

[72] MERIKAPUDI, GAYATRI SWAROOP, IN

[72] VAKKALANKA, SWAROOP KUMAR VENKATA SATYA, CH

[71] RHIZEN PHARMACEUTICALS AG, CH

[85] 2022-10-19

[86] 2021-04-23 (PCT/IB2021/053382)

[87] (WO2021/220120)

[30] IN (202041018149) 2020-04-28

[30] IN (202041047713) 2020-11-02

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[21] **3,176,209**
[13] A1

[51] **Int.Cl. A61F 5/443 (2006.01) A61F 5/451 (2006.01)**
[25] EN
[54] **FECAL COLLECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COLLECTE DE MATIERES FECALES**
[72] SEXTON, KRISTIN M., US
[72] BOULOS, CATHERINE S., US
[72] ECKLUND, BRIAN J., US
[71] SAGE PRODUCTS, LLC, US
[85] 2022-10-19
[86] 2021-04-23 (PCT/US2021/028956)
[87] (WO2021/217078)
[30] US (63/014,684) 2020-04-23

[21] **3,176,210**
[13] A1

[51] **Int.Cl. A61K 31/7105 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C07H 21/02 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **BIFUNCTIONAL MOLECULES AND METHODS OF USING THEREOF**
[54] **MOLECULES BIFONCTIONNELLES ET LEURS PROCEDES D'UTILISATION**
[72] STEBBINS, NATHAN WILSON, US
[72] PORTNEY, BENJAMIN ANDREW, US
[72] VALEUR, ERIC BRUNO, US
[72] RUBENS, JACOB ROSENBLUM, US
[72] DANESHVAR, KAVEH, US
[72] SNEIDER, ALEXANDRA RACHAEL, US
[72] GUTTMAN, MITCHELL, US
[71] FLAGSHIP PIONEERING, INC., US
[85] 2022-10-19
[86] 2021-04-21 (PCT/US2021/028498)
[87] (WO2021/216785)
[30] US (63/013,462) 2020-04-21
[30] US (63/139,916) 2021-01-21

[21] **3,176,211**
[13] A1

[51] **Int.Cl. G02B 5/08 (2006.01) G02B 5/122 (2006.01) G02B 6/34 (2006.01) G02B 7/182 (2021.01)**
[25] EN
[54] **MIRROR-BASED ASSEMBLIES, INCLUDING LATERAL TRANSFER HOLLOW RETROREFLECTORS, AND THEIR MOUNTING STRUCTURES AND MOUNTING METHODS**
[54] **ENSEMBLES A BASE DE MIROIRS, COMPRENANT DES RETROREFLECTEURS CREUX A TRANSFERT LATERAL, LEURS STRUCTURES DE MONTAGE ET LEURS PROCEDES DE MONTAGE**
[72] VISHNIA, ITAI, US
[71] PLX, INC., US
[85] 2022-10-19
[86] 2021-04-20 (PCT/US2021/028177)
[87] (WO2021/216563)
[30] US (16/853,526) 2020-04-20

[21] **3,176,221**
[13] A1

[51] **Int.Cl. A61B 8/06 (2006.01) G16H 50/20 (2018.01) G06N 20/00 (2019.01) A61B 8/08 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED PHYSIOLOGICAL PARAMETER ESTIMATION FROM ULTRASOUND IMAGE SEQUENCES**
[54] **SYSTEMES ET PROCEDES D'ESTIMATION AUTOMATISEE DE PARAMETRES PHYSIOLOGIQUES A PARTIR DE SEQUENCES D'IMAGES ULTRASONORES**
[72] LU, ALLEN, US
[72] AYINDE, BABAJIDE, US
[71] ECHONOUS, INC., US
[85] 2022-10-19
[86] 2021-04-28 (PCT/US2021/029672)
[87] (WO2021/222426)
[30] US (63/016,933) 2020-04-28
[30] US (17/242,064) 2021-04-27

[21] **3,176,223**
[13] A1

[51] **Int.Cl. A61M 5/00 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] SKAK, NIKOLAJ, DK
[72] LINDHARDT, KARSTEN, DK
[71] BIOGRAIL APS, DK
[85] 2022-10-19
[86] 2021-05-11 (PCT/EP2021/062436)
[87] (WO2021/228826)
[30] DK (PA202070302) 2020-05-11
[30] DK (PA202170040) 2021-01-29

[21] **3,176,225**
[13] A1

[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/167 (2006.01) A61K 31/198 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING MILD TRAUMATIC BRAIN INJURY, POST TRAUMATIC STRESS DISORDER AND MILD TRAUMATIC BRAIN INJURY**
[54] **METHODES DE TRAITEMENT D'UNE LESION CEREBRALE TRAUMATIQUE LEGERE, D'UN TROUBLE DE STRESS POST-TRAUMATIQUE ET D'UNE LESION CEREBRALE TRAUMATIQUE LEGERE**
[72] DARIANI, MAGHSOUD, US
[72] PIONTKOWSKI, SHLOMO, US
[71] LOBE SCIENCES LTD., CA
[85] 2022-10-19
[86] 2021-04-20 (PCT/US2021/028068)
[87] (WO2021/216489)
[30] US (63/012,435) 2020-04-20
[30] US (63/059,272) 2020-07-31
[30] US (63/016,455) 2020-04-28

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[21] **3,176,226**
[13] A1
[51] **Int.Cl. F25C 5/08 (2006.01)**
[25] EN
[54] **ICE MAKER HEATER ASSEMBLIES**
[54] **ENSEMBLES CHAUFFAGES POUR MACHINE A GLACONS**
[72] SMITH, JERRY WAYNE, US
[72] MURPHY, CALVIN DALE, US
[72] LUCAS, RUSSELL EDWARD, US
[72] BAYERLE, PETER ALDEN, US
[71] LEXMARK INTERNATIONAL, INC, US
[85] 2022-10-19
[86] 2021-04-05 (PCT/US2021/025721)
[87] (WO2021/216271)
[30] US (63/013,164) 2020-04-21
[30] US (63/093,916) 2020-10-20
[30] US (63/064,039) 2020-08-11
[30] US (17/151,879) 2021-01-19

[21] **3,176,228**
[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01) G01N 21/00 (2006.01) G01N 21/01 (2006.01) G01N 21/62 (2006.01) G01N 21/63 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IN VITRO SENSING OF ANALYTES**
[54] **PROCEDE ET SYSTEME DE DETECTION IN VITRO D'ANALYTES**
[72] HWANG, BEN, US
[72] GAMSEY, SOYA, US
[71] PROFUSA, INC., US
[85] 2022-10-19
[86] 2021-04-21 (PCT/US2021/028419)
[87] (WO2021/216725)
[30] US (63/013,216) 2020-04-21

[21] **3,176,229**
[13] A1
[51] **Int.Cl. H05B 3/10 (2006.01) H05B 3/20 (2006.01) H05B 3/26 (2006.01) H05B 3/30 (2006.01) H05B 3/68 (2006.01)**
[25] EN
[54] **HEATER ASSEMBLY FOR A COOKING DEVICE LID**
[54] **ENSEMBLE CHAUFFANT POUR COUVERCLE DE DISPOSITIF DE CUISSON**
[72] SMITH, JERRY WAYNE, US
[72] MURPHY, CALVIN DALE, US
[72] LUCAS, RUSSELL EDWARD, US
[72] BAYERLE, PETER ALDEN, US
[71] LEXMARK INTERNATIONAL, INC, US
[85] 2022-10-19
[86] 2021-04-05 (PCT/US2021/025723)
[87] (WO2021/216272)
[30] US (63/013,164) 2020-04-21
[30] US (17/151,891) 2021-01-19

[21] **3,176,238**
[13] A1
[51] **Int.Cl. F28D 15/04 (2006.01)**
[25] EN
[54] **METHOD OF INSTALLING A HEAT PIPE WICK INTO A CONTAINER OF DIFFERING THERMAL EXPANSION COEFFICIENT**
[54] **PROCEDE D'INSTALLATION DE MECHE DE TUBE CALOPORTEUR DANS UN RECIPIENT A COEFFICIENT DE DILATATION THERMIQUE DIFFERENT**
[72] SWARTZ, MATTHEW M., US
[72] BYERS, WILLIAM A., US
[72] LOJEK III, JOHN, US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-10-19
[86] 2021-04-20 (PCT/US2021/028137)
[87] (WO2021/216538)
[30] US (16/853,345) 2020-04-20

[21] **3,176,239**
[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01)**
[25] EN
[54] **INTERNAL HYDROFORMING METHOD FOR MANUFACTURING HEAT PIPE WICKS**
[54] **PROCEDE D'HYDROFORMAGE INTERNE POUR LA FABRICATION DE MECHE DE CALODUC**
[72] LOJEK III, JOHN, US
[72] SWARTZ, MATTHEW M., US
[72] BYERS, WILLIAM A., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-10-19
[86] 2021-04-20 (PCT/US2021/028129)
[87] (WO2021/216532)
[30] US (16/853,270) 2020-04-20

[21] **3,176,240**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING CERVICAL CANCER**
[54] **METHODE POUR LE TRAITEMENT DU CANCER DU COL DE L'UTERUS**
[72] SUNG, YOUNG CHUL, KR
[72] WOO, JUNG WON, KR
[72] PARK, JONG SUP, KR
[72] YOUN, JIN WON, KR
[71] GENEXINE, INC., KR
[71] MSD INTERNATIONAL GMBH, CH
[85] 2022-10-19
[86] 2021-04-26 (PCT/KR2021/005237)
[87] (WO2021/215896)
[30] US (63/015,076) 2020-04-24

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[21] **3,176,241**
[13] A1

[51] **Int.Cl. H02G 3/04 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **ELECTRICAL CABLE PASSTHROUGH**
[54] **PASSE-CABLE ELECTRIQUE**
[72] NGUYEN, THIERRY, US
[72] WRAY, EVAN, US
[72] CLEMINSHAW, DUNCAN, US
[72] DEVINE, RYAN LEMON, US
[72] HEWLETT, JONATHAN, US
[72] ATCHLEY, BRIAN EDWARD, US
[71] GAF ENERGY LLC, US
[85] 2022-10-19
[86] 2021-02-17 (PCT/US2021/018359)
[87] (WO2021/230938)
[30] US (63/024,161) 2020-05-13

[21] **3,176,847**
[13] A1

[51] **Int.Cl. B42D 25/324 (2014.01) B42D 25/342 (2014.01) B42D 25/351 (2014.01) B42D 25/425 (2014.01) B42D 25/485 (2014.01)**
[25] EN
[54] **METHODS FOR DESIGNING AND PRODUCING A SECURITY FEATURE**
[54] **PROCEDES DE CONCEPTION ET DE PRODUCTION D'UNE CARACTERISTIQUE DE SECURITE**
[72] STEWART, ROBERT LAIRD, CH
[71] KOENIG & BAUER BANKNOTE SOLUTIONS SA, CH
[85] 2022-10-25
[86] 2021-04-28 (PCT/EP2021/061157)
[87] (WO2021/219735)
[30] GB (2006219.6) 2020-04-28

[21] **3,179,470**
[13] A1

[51] **Int.Cl. C25C 3/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCTION REFINED LITHIUM METAL**
[54] **PROCEDE DE PRODUCTION DE METAL DE LITHIUM AFFINE**
[72] JASTRZEBSKI, MACIEJ, CA
[71] LI-METAL CORP., CA
[85] 2022-11-18
[86] 2022-01-21 (PCT/CA2022/050095)
[87] (WO2022/155755)
[30] US (63/140,119) 2021-01-21
[30] US (63/140,127) 2021-01-21
[30] US (63/140,149) 2021-01-21

[21] **3,183,319**
[13] A1

[51] **Int.Cl. A61B 18/22 (2006.01)**
[25] EN
[54] **OPTICAL SURFACE APPLICATOR WITH INTEGRATED DIFFUSER**
[54] **APPLIQUEUR DE SURFACE OPTIQUE AVEC DIFFUSEUR INTEGRE**
[72] MACDOUGALL, TREVOR, US
[72] YANG, YI, US
[71] LUMEDA INC., US
[85] 2022-12-19
[86] 2021-06-08 (PCT/US2021/036312)
[87] (WO2022/260650)

[21] **3,183,397**
[13] A1

[51] **Int.Cl. A61K 31/4439 (2006.01) C07D 263/20 (2006.01)**
[25] EN
[54] **OXAZOLIDINONE COMPOUNDS, LIPOSOME COMPOSITIONS COMPRISING OXAZOLIDINONE COMPOUNDS AND METHODS OF USE THEREOF**
[54] **COMPOSES DU TYPE OXAZOLIDINONE, COMPOSITIONS DE LIPOSOME COMPRENANT DES COMPOSES DU TYPE OXAZOLIDINONE ET METHODES D'UTILISATION ASSOCIEES**
[72] DRUMMOND, DARYL C., US
[72] TIPPARAJU, SURESH K., US
[72] NOBLE, CHARLES O., US
[72] KOSHKARYEV, ALEXANDER, US
[72] KIRPOTIN, DMITRI B., US
[71] AKAGERA MEDICINES, INC., US
[85] 2022-12-19
[86] 2021-06-18 (PCT/US2021/038131)
[87] (WO2021/258013)
[30] US (63/040,810) 2020-06-18
[30] US (17/351,631) 2021-06-18

[21] **3,183,403**
[13] A1

[25] EN
[54] **MAGNETIC FIELD DETECTION APPARATUS, SYSTEM, AND METHOD**
[54] **APPAREIL, SYSTEME ET PROCEDE DE DETECTION DE CHAMP MAGNETIQUE**
[72] HOEFKEN, CARLOS A., US
[71] MOTUS LABS, LLC, US
[85] 2022-12-20
[86] 2021-06-24 (PCT/US2021/038940)
[87] (WO2021/263011)
[30] US (63/043,721) 2020-06-24

[21] **3,183,538**
[13] A1

[51] **Int.Cl. A61L 2/03 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZING TREATMENT OF INFECTED METALLIC IMPLANTS BY MEASURING CHARGE TRANSFER**
[54] **PROCEDE POUR OPTIMISER LE TRAITEMENT D'IMPLANTS METALLIQUES INFECTES PAR MESURE DU TRANSFERT DE CHARGE**
[72] CANTY, MARY K., US
[72] HOBBLE, JACKSON G., US
[71] GARWOOD MEDICAL DEVICES, LLC, US
[85] 2022-12-20
[86] 2021-06-29 (PCT/US2021/039529)
[87] (WO2022/006056)
[30] US (63/047,308) 2020-07-02

[21] **3,183,632**
[13] A1

[51] **Int.Cl. F02G 1/043 (2006.01) G01P 13/04 (2006.01)**
[25] EN
[54] **METHOD FOR AND CONTROL SYSTEM WITH PISTON AMPLITUDE RECOVERY FOR FREE-PISTON MACHINES**
[54] **PROCEDE DE RECUPERATION D'AMPLITUDE DE PISTON ET SYSTEME DE COMMANDE ASSOCIE POUR MACHINES A PISTON LIBRE**
[72] BERCHOWITZ, DAVID M., US
[71] GLOBAL COOLING, INC., US
[85] 2022-12-21
[86] 2021-06-22 (PCT/US2021/038433)
[87] (WO2022/005810)
[30] US (16/919,689) 2020-07-02

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[21] **3,183,853**
[13] A1

[51] **Int.Cl. A61K 8/97 (2017.01) A61K 8/9789 (2017.01) A61K 36/53 (2006.01) A61K 36/85 (2006.01)**

[25] EN

[54] **THERAPEUTIC HERBAL COMPOSITIONS FOR IMPROVING JOINT HEALTH**

[54] **COMPOSITIONS THERAPEUTIQUES A BASE DE PLANTES PERMETTANT D'AMELIORER LA SANTE ARTICULAIRE**

[72] RAJENDRAN, KRISHNA, US

[71] KARALLIEF, INC., US

[85] 2022-12-21

[86] 2021-06-17 (PCT/US2021/070723)

[87] (WO2022/006572)

[30] US (16/946,721) 2020-07-01

[21] **3,183,922**
[13] A1

[51] **Int.Cl. C10B 55/00 (2006.01) C10B 57/08 (2006.01) C10G 29/04 (2006.01) C10G 55/04 (2006.01)**

[25] EN

[54] **PROCESSES FOR IMPROVED PERFORMANCE OF DOWNSTREAM OIL CONVERSION**

[54] **PROCEDES PERMETTANT D'AMELIORER LES PERFORMANCES D'UNE CONVERSION D'HUILE EN AVAL**

[72] MAKOWSKY, MYKOLA, CA

[72] ZENAITIS, MICHAEL, CA

[71] ENLIGHTEN INNOVATIONS INC., CA

[85] 2022-11-17

[86] 2021-05-19 (PCT/US2021/033244)

[87] (WO2021/236827)

[30] US (63/027,052) 2020-05-19

[21] **3,183,925**
[13] A1

[51] **Int.Cl. A21D 2/26 (2006.01)**

[25] EN

[54] **PUFFED CHEESE PRODUCT AND METHOD**

[54] **PRODUIT DE FROMAGE SOUFFLE ET PROCEDE**

[72] STOUT, EMILY, US

[72] LONG, MAREN, US

[71] GLANBIA NUTRITIONALS LTD., IE

[85] 2022-11-17

[86] 2021-05-19 (PCT/US2021/033274)

[87] (WO2021/236853)

[30] US (63/026,980) 2020-05-19

[21] **3,183,926**
[13] A1

[51] **Int.Cl. E04F 13/076 (2006.01) B05D 1/26 (2006.01) B05D 1/28 (2006.01) B05D 3/06 (2006.01) B29C 63/02 (2006.01) B29C 65/48 (2006.01) E04F 13/08 (2006.01) E04F 21/165 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SEAMS IN RESILIENT SURFACE COVERING**

[54] **SYSTEME ET PROCEDE POUR DES COUTURES DANS UN REVETEMENT DE SURFACE ELASTIQUE**

[72] RIVAS, OLGA L., US

[72] GETHING, KRISTY L., US

[71] AFI LICENSING LLC, US

[85] 2022-11-17

[86] 2021-05-20 (PCT/US2021/033509)

[87] (WO2021/236994)

[30] US (63/027,938) 2020-05-20

[21] **3,183,929**
[13] A1

[51] **Int.Cl. A42B 1/048 (2021.01) A42B 1/245 (2021.01) A41D 3/00 (2006.01) A41D 27/00 (2006.01) A41D 27/20 (2006.01) A41D 27/28 (2006.01) A42B 1/00 (2021.01) A42B 1/04 (2021.01)**

[25] EN

[54] **HOODIE WITH INTEGRATED HEADPHONE APERTURES**

[54] **CAPUCHE AVEC OUVERTURES DE CASQUE D'ECOUTE INTEGRES**

[72] BLEVINS, RICHARD TYLER, US

[71] NINJA HOLDINGS, LLC, US

[85] 2022-11-17

[86] 2021-05-21 (PCT/US2021/033581)

[87] (WO2021/237045)

[30] US (16/882,164) 2020-05-22

[21] **3,183,930**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 39/215 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND DEVICES FOR VACCINE RELEASE AND USES THEREOF**

[54] **COMPOSITIONS ET DISPOSITIFS POUR LA LIBERATION DE VACCIN ET UTILISATIONS DE CEUX-CI**

[72] SCHRADER, MICHAEL A., US

[72] KOSUDA, KATHRYN M., US

[72] KLUGE, JONATHAN A., US

[72] CIRELLI, KIMBERLY M., US

[72] BORKOWSKI, EMILY L., US

[72] CAUDILL, CASSIE L., US

[72] DIRCKX, MATTHEW, US

[72] HARTMAN, NICKOLAS W., US

[72] VALENTI, LIVIO, US

[71] VAXESS TECHNOLOGIES, INC., US

[85] 2022-11-17

[86] 2021-05-21 (PCT/US2021/033776)

[87] (WO2021/237174)

[30] US (63/028,390) 2020-05-21

[21] **3,183,933**
[13] A1

[51] **Int.Cl. B62B 5/06 (2006.01) B62B 7/00 (2006.01) B62B 7/06 (2006.01)**

[25] EN

[54] **CONVERTIBLE CHILD STROLLER SYSTEM WITH AUXILIARY BASKET**

[54] **SYSTEME DE POUSETTE POUR ENFANT CONVERTIBLE AVEC PANIER AUXILIAIRE**

[72] TAYLOR, ANDREW J., US

[72] EGGERT-CROWE, COLIN F., US

[72] HUNTLEY, JOHN E., US

[72] KEEBLER, NATHANIEL W., US

[72] HARTENSTINE, CURTIS, US

[71] WONDERLAND SWITZERLAND AG, CH

[85] 2022-11-17

[86] 2021-05-28 (PCT/US2021/034820)

[87] (WO2021/243191)

[30] US (63/031,967) 2020-05-29

[30] US (63/077,938) 2020-09-14

[30] US (63/126,751) 2020-12-17

PCT Applications Entering the National Phase

[21] **3,183,934**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 7/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTIBODY FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS D'ANTICORPS ET LEURS UTILISATIONS**
[72] IP, ANNA, US
[72] PATEL, KETAKI, US
[72] TALLEY, CLEA, US
[72] TREUHEIT, MICHAEL J., US
[72] ZHANG, JUN, US
[71] AMGEN INC., US
[85] 2022-11-17
[86] 2021-05-28 (PCT/US2021/034987)
[87] (WO2021/243284)
[30] US (63/031,634) 2020-05-29

[21] **3,183,940**
[13] A1

[25] EN
[54] **ENHANCED MANAGEMENT ZONES FOR PRECISION AGRICULTURE**
[54] **ZONES DE GESTION AMELIOREES RELATIVES A L'AGRICULTURE DE PRECISION**
[72] WHITE, JEFFREY G., US
[72] MILLER, BRADLEY A., US
[72] BIELSKI, JULIANNE, US
[71] SOILMETRIX, INC., US
[85] 2022-11-17
[86] 2021-05-29 (PCT/US2021/035039)
[87] (WO2021/243315)
[30] US (16/887,580) 2020-05-29

[21] **3,183,943**
[13] A1

[51] **Int.Cl. H02J 7/04 (2006.01) B60L 58/10 (2019.01) B60L 58/12 (2019.01) B60L 58/14 (2019.01) B60L 58/15 (2019.01) B60L 58/22 (2019.01)**
[25] EN
[54] **LITHIUM ION BATTERY CELL BALANCING SYSTEM AND METHOD, AND A BATTERY CHARGING DEVICE WITH LITHIUM ION BATTERY CELL BALANCING**
[54] **SYSTEME ET PROCEDE D'EQUILIBRAGE D'ELEMENT DE BATTERIE AU LITHIUM-ION, ET DISPOSITIF DE CHARGE DE BATTERIE AVEC EQUILIBRAGE D'ELEMENT DE BATTERIE AU LITHIUM-ION**
[72] MCBRIDE, JAMES P., US
[72] SIMON, DANIEL L., US
[72] STANFIELD, JAMES RICHARD, US
[71] THE NOCO COMPANY, US
[85] 2022-11-17
[86] 2021-06-02 (PCT/US2021/035328)
[87] (WO2021/247626)
[30] US (63/033,717) 2020-06-02

[21] **3,183,947**
[13] A1

[51] **Int.Cl. A61H 7/00 (2006.01) A61H 11/00 (2006.01)**
[25] EN
[54] **ELECTRO-ACTUATABLE COMPRESSION GARMENTS WITH SHAPE MEMORY ELEMENTS**
[54] **VETEMENTS DE COMPRESSION ELECTRO-ACTIONNABLES AVEC ELEMENTS A MEMOIRE DE FORME**
[72] DORAISWAMY, ANAND, US
[72] MEEHAN, CONNOR, US
[72] ZUERNDORFER, JAY, US
[72] KOVACEVICH, IAN, US
[72] PAMPLIN, JOHN, US
[72] BALDWIN, JARREN, US
[71] KOYA MEDICAL, INC., US
[85] 2022-11-17
[86] 2021-06-10 (PCT/US2021/036822)
[87] (WO2021/252770)
[30] US (63/037,462) 2020-06-10

[21] **3,183,948**
[13] A1

[51] **Int.Cl. A61K 31/4704 (2006.01) A61P 29/00 (2006.01) C07D 401/12 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **HETEROALKYL DIHYDROQUINOLINE SULFONAMIDE COMPOUNDS**
[54] **COMPOSES DE SULFONAMIDE DE DIHYDROQUINOLEINE D'HETEROALKYLE**
[72] MILGRAM, BENJAMIN C., US
[72] RESCOURIO, GWENAELLA, US
[71] AMGEN INC., US
[85] 2022-11-17
[86] 2021-06-11 (PCT/US2021/036898)
[87] (WO2021/252822)

[21] **3,183,962**
[13] A1

[51] **Int.Cl. C25C 7/04 (2006.01) C25C 3/02 (2006.01) C25C 7/06 (2006.01)**
[25] EN
[54] **ELECTROWINNING CELL FOR THE PRODUCTION OF A METAL PRODUCT AND METHOD OF USING SAME**
[54] **CELLULE D'EXTRACTION ELECTROLYTIQUE POUR LA PRODUCTION D'UN PRODUIT METALLIQUE ET SON PROCEDE D'UTILISATION**
[72] JASTRZEBSKI, MACIEJ, CA
[71] LI-METAL CORP., CA
[85] 2022-12-22
[86] 2022-01-21 (PCT/CA2022/050093)
[87] (WO2022/155753)
[30] US (63/140,119) 2021-01-21
[30] US (63/140,149) 2021-01-21

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[21] **3,184,142**
[13] A1

[51] **Int.Cl. G06F 16/22 (2019.01) G06F 21/56 (2013.01) G06F 21/62 (2013.01) G06F 16/13 (2019.01) G06F 16/14 (2019.01) G06F 16/16 (2019.01) G06F 16/174 (2019.01) G06F 16/25 (2019.01) G06F 16/31 (2019.01)**

[25] EN

[54] **DISTRIBUTED SYSTEM FOR FILE ANALYSIS AND MALWARE DETECTION**

[54] **SYSTEME DISTRIBUE D'ANALYSE DE FICHIERS ET DE DETECTION DE LOGICIELS MALVEILLANTS**

[72] EDMONDS, JOSEPH, US
[72] ST. JOHN, PATRICK, US
[71] MORGAN STANLEY SERVICES GROUP INC., US

[85] 2022-12-22
[86] 2021-06-22 (PCT/US2021/038520)
[87] (WO2022/005821)
[30] US (16/918,980) 2020-07-01
[30] US (16/918,984) 2020-07-01
[30] US (16/918,992) 2020-07-01

[21] **3,184,145**
[13] A1

[51] **Int.Cl. C07K 14/58 (2006.01) A61K 47/54 (2017.01)**

[25] EN

[54] **C-TYPE NATRIURETIC PEPTIDES AND METHODS THEREOF IN TREATING ACUTE LUNG INJURY**

[54] **PEPTIDES NATRIURETIQUES DE TYPE C ET LEURS PROCEDES POUR LE TRAITEMENT D'UNE LESION PULMONAIRE AIGUE**

[72] TACHIBANA, HIROFUMI, US
[72] KUMAZOE, MOTOFUMI, US
[72] TANAKA, YASUTAKE, US
[72] NOJIRI, TAKASHI, US
[72] CASTILLO, GERARDO, US
[72] NISHIMOTO-ASHFIELD, AKIKO, US
[72] BOLOTIN, ELIJAH, US
[72] YAO, YAO, US
[71] PHARMAIN CORPORATION, US

[85] 2022-11-17
[86] 2021-06-11 (PCT/US2021/037031)
[87] (WO2021/252910)
[30] US (63/038,595) 2020-06-12

[21] **3,184,153**
[13] A1

[51] **Int.Cl. B01D 67/00 (2006.01) B01D 69/02 (2006.01) B01D 69/12 (2006.01) B01D 69/14 (2006.01)**

[25] FR

[54] **ION-SELECTIVE COMPOSITE MEMBRANE**

[54] **MEMBRANE COMPOSITE A CONDUCTION SELECTIVE D'IONS**

[72] MOTTET, BRUNO, FR
[72] LABORIE, BENOIT, FR
[72] KECHADI, MOHAMMED, FR
[71] SWEETCH ENERGY, FR

[85] 2022-11-18
[86] 2021-05-19 (PCT/FR2021/050892)
[87] (WO2021/234294)
[30] FR (FR2005208) 2020-05-20

[21] **3,184,154**
[13] A1

[51] **Int.Cl. H01M 8/22 (2006.01)**

[25] FR

[54] **DEVICE FOR PRODUCING ENERGY BY SALINITY GRADIENT THROUGH A MEMBRANE BASED ON CROSSLINKED CELLULOSE FIBRES**

[54] **DISPOSITIF DE PRODUCTION D'ENERGIE PAR GRADIENT DE SALINITE A TRAVERS UNE MEMBRANE A BASE DE FIBRES DE CELLULOSE RETICULEES**

[72] MOTTET, BRUNO, FR
[72] LABORIE, BENOIT, FR
[72] KECHADI, MOHAMMED, FR
[71] SWEETCH ENERGY, FR

[85] 2022-11-18
[86] 2021-05-19 (PCT/FR2021/050894)
[87] (WO2021/234296)
[30] FR (FR2005211) 2020-05-20

[21] **3,184,155**
[13] A1

[51] **Int.Cl. C12Q 1/14 (2006.01) C12Q 1/70 (2006.01) G01N 33/52 (2006.01) G01N 33/558 (2006.01) G01N 33/569 (2006.01)**

[25] FR

[54] **DEVICE FOR DETECTING A BACTERIUM OF INTEREST**

[54] **DISPOSITIF DE DETECTION D'UNE BACTERIE D'INTERET**

[72] CHATAIN-LY, MAI HUONG, FR
[71] VETOPHAGE, FR

[85] 2022-11-18
[86] 2021-05-20 (PCT/FR2021/050925)
[87] (WO2021/234321)
[30] FR (FR2005352) 2020-05-20

[21] **3,184,160**
[13] A1

[51] **Int.Cl. B30B 9/12 (2006.01) B30B 9/18 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR MEASURING THE FILTRATE CONTENT ON A SCREW PRESS**

[54] **PROCEDE ET DISPOSITIF PERMETTANT DE MESURER LA TENEUR EN FILTRAT SUR UNE PRESSE A VIS**

[72] EGGER, MARKUS, AT
[72] PICHLER, FRANCO, AT
[72] STELZER, DANIEL, AT
[72] WILLBERGER, STEFAN, AT
[71] ANDRITZ AG, AT

[85] 2022-12-12
[86] 2021-06-02 (PCT/EP2021/064778)
[87] (WO2022/017672)
[30] AT (A 50627/2020) 2020-07-21

[21] **3,184,163**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 9/107 (2006.01) A61K 9/50 (2006.01) A61K 31/5383 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **TREATMENT OF INFECTIONS**

[54] **TRAITEMENT D'INFECTIONS**

[72] KVALE, SVEIN, NO
[72] HEALEY, ANDREW JOHN, NO
[72] SONTUM, PER CHRISTIAN, NO
[72] KOTOPOULIS, SPIROS, NO
[71] ACT THERAPEUTICS LTD, GB

[85] 2022-11-18
[86] 2021-05-27 (PCT/EP2021/064213)
[87] (WO2021/239878)
[30] GB (2008094.1) 2020-05-29

PCT Applications Entering the National Phase

[21] **3,184,164**
[13] A1

[51] **Int.Cl. H04W 40/24 (2009.01)**
[25] EN
[54] **SPACE UTILIZATION INFORMATION SYSTEM UTILIZING NATIVE LIGHTING CONTROL SYSTEM**

[54] **SYSTEME D'INFORMATIONS D'UTILISATION D'ESPACE UTILISANT UN SYSTEME DE COMMANDE D'ECLAIRAGE NATIF**

[72] BAILEY, CHRISTOPHER LANE, US
[72] FELBER, WILLIAM GERALD, US
[72] BARRETT, DEBORAH MICHELLE, US
[71] HUBBELL INCORPORATED, US
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/032951)
[87] (WO2021/236631)
[30] US (63/028,303) 2020-05-21

[21] **3,184,165**
[13] A1

[51] **Int.Cl. G06F 3/16 (2006.01) H04W 84/18 (2009.01)**
[25] EN
[54] **IDENTIFICATION AND VERIFICATION OF ASSOCIATED DEVICES USING AUDIO TRANSMISSIONS**

[54] **IDENTIFICATION ET VERIFICATION DE DISPOSITIFS ASSOCIES A L'AIDE DE TRANSMISSIONS AUDIO**

[72] ENGWERDA, JACOB, US
[72] VOGEL, JON, US
[72] FAUCHER DE CORN, ELIZABETH, US
[72] NARASIMHAN, SRIVATHSAN, US
[71] LISNR, INC, US
[85] 2022-11-18
[86] 2021-05-17 (PCT/US2021/032754)
[87] (WO2021/236511)
[30] US (63/026,382) 2020-05-18

[21] **3,184,166**
[13] A1

[51] **Int.Cl. A01N 25/22 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 43/56 (2006.01)**
[25] EN
[54] **A STABILIZATION SYSTEM FOR AN AGROCHEMICAL COMPOSITION**

[54] **SYSTEME DE STABILISATION POUR UNE COMPOSITION AGROCHIMIQUE**

[72] BORANE, MAHESH DHARMA, IN
[72] CHAVAN, POPAT GANESH, IN
[72] MORE, PRAVIN NAMADEO, IN
[71] UPL LIMITED, IN
[85] 2022-11-18
[86] 2021-05-17 (PCT/IB2021/054198)
[87] (WO2021/234531)
[30] IN (202021020816) 2020-05-18

[21] **3,184,167**
[13] A1

[51] **Int.Cl. A61K 31/55 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **AZELASTINE AS ANTIVIRAL TREATMENT**

[54] **AZELASTINE EN TANT QUE TRAITEMENT ANTIVIRAL**

[72] NAGY, ESZTER, AT
[72] NAGY, GABOR, HU
[72] SZIJARTO, VALERIA, AT
[72] KONRAT, ROBERT, AT
[71] CEBINA GMBH, AT
[85] 2022-11-18
[86] 2021-05-28 (PCT/EP2021/064338)
[87] (WO2021/239943)
[30] EP (20177451.0) 2020-05-29
[30] EP (20184767.0) 2020-07-08
[30] EP (20195740.4) 2020-09-11
[30] EP (21171333.4) 2021-04-29

[21] **3,184,169**
[13] A1

[51] **Int.Cl. A61L 2/20 (2006.01) A61M 11/00 (2006.01) B01D 53/46 (2006.01) B01D 53/84 (2006.01) B05B 7/06 (2006.01)**
[25] EN
[54] **EMITTER AND SYSTEM FOR DISCHARGE OF A DECONTAMINATING LIQUID-GAS STREAM**

[54] **EMETTEUR ET SYSTEME D'EVACUATION D'UN FLUX DE GAZ-LIQUIDE DE DECONTAMINATION**

[72] FEUCHTER, RODRIGO M., MX
[71] VICTAULIC COMPANY, US
[85] 2022-11-18
[86] 2021-05-17 (PCT/IB2021/054221)
[87] (WO2021/234542)
[30] US (63/027,614) 2020-05-20

[21] **3,184,170**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF TICAGRELOR**

[54] **PROCEDE DE PREPARATION DE TICAGRELOR**

[72] SZEPIŃSKI, EMIL, PL
[72] KOSIK, KAMIL, PL
[72] SAGOL, KAROL, PL
[71] ZAKLADY FARMACEUTYCZNE POLPHARMA S.A., PL
[85] 2022-11-18
[86] 2021-06-04 (PCT/EP2021/064982)
[87] (WO2021/245220)
[30] EP (20460027.4) 2020-06-04

Demandes PCT entrant en phase nationale

[21] **3,184,172**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) G06T 19/20 (2011.01)**

[25] EN

[54] **SYSTEM AND METHOD OF AUGMENTING A THREE-DIMENSIONAL OBJECTS TRAINING DATASET**

[54] **SYSTEME ET PROCEDE D'AUGMENTATION D'UN ENSEMBLE DE DONNEES D'APPRENTISSAGE D'OBJETS TRIDIMENSIONNELS**

[72] JUPPE, LAURENT, CA

[72] ABUELWafa, SHERIF ESMAT OMAR, CA

[72] MARTIN, BRYAN ALLEN, CA

[71] APPLICATIONS MOBILES OVERVIEW INC., CA

[85] 2022-11-18

[86] 2021-05-20 (PCT/IB2021/054374)

[87] (WO2021/234624)

[30] US (63/027,875) 2020-05-20

[30] US (17/322,471) 2021-05-17

[21] **3,184,174**
[13] A1

[51] **Int.Cl. A01N 63/38 (2020.01) A01N 25/00 (2006.01) A01N 25/22 (2006.01) A01N 57/12 (2006.01) A01P 3/00 (2006.01) A01P 5/00 (2006.01) A01P 7/00 (2006.01)**

[25] EN

[54] **NOVEL FORMULATIONS FOR INCREASING THE GERMINATION RATE OF FUNGAL SPORES**

[54] **NOUVELLES FORMULATIONS POUR AUGMENTER LE TAUX DE GERMINATION DE SPORES FONGIQUES**

[72] WOLF, ARITE, DE

[72] SHAMSIJAZEYI, HADI, US

[71] DANSTAR FERMENT AG, CH

[85] 2022-11-18

[86] 2021-06-08 (PCT/EP2021/065222)

[87] (WO2021/249972)

[30] EP (20178750.4) 2020-06-08

[21] **3,184,175**
[13] A1

[51] **Int.Cl. E04F 21/00 (2006.01) E04F 21/18 (2006.01) E04F 21/22 (2006.01)**

[25] EN

[54] **DEVICE FOR LEVELLING AND SEPARATING FLOOR TILES**

[54] **DISPOSITIF POUR LE NIVELAGE ET LA SEPARATION DE CARREAUX**

[72] QUESADA BARBERO, JUAN ANTONIO, ES

[72] DURAN CONESA, SALVADOR, ES

[72] SANCHEZ MORA, MARIA, ES

[71] GERMANS BOADA, S.A., ES

[85] 2022-11-18

[86] 2021-02-03 (PCT/ES2021/070082)

[87] (WO2022/167703)

[21] **3,184,178**
[13] A1

[51] **Int.Cl. G06T 19/20 (2011.01) A61B 34/00 (2016.01)**

[25] EN

[54] **INTRAOPERATIVE IMAGING AND VIRTUAL MODELING METHODS, SYSTEMS, AND INSTRUMENTALITIES FOR FRACTURE REDUCTION**

[54] **PROCEDES D'IMAGERIE PEROPERATOIRE ET DE MODELISATION VIRTUELLE, SYSTEMES, ET INSTRUMENTS DE REDUCTION DE FRACTURE**

[72] PIERSON, GLEN, US

[72] HAMEL, ROSS, US

[72] LECHMANN, BEAT, US

[72] BLAUTH, MICHAEL, US

[72] CAMPBELL, CHRISTOPHER, US

[71] DEPUY SYNTHES PRODUCTS, INC., US

[85] 2022-11-18

[86] 2021-05-20 (PCT/IB2021/054385)

[87] (WO2021/234631)

[30] US (63/027,567) 2020-05-20

[30] US (17/325,147) 2021-05-19

[21] **3,184,180**
[13] A1

[25] EN

[54] **METHODS AND DEVICES FOR STUDENT ADMISSION MANAGEMENT IN HYBRID CUSTOMER RELATIONSHIP MANAGEMENT (CRM) SYSTEM**

[54] **PROCEDES ET DISPOSITIFS POUR LA GESTION D'ADMISSION D'ETUDIANTS DANS UN SYSTEME DE GESTION DE RELATIONS CLIENTS (CRM) HYBRIDE**

[72] SARKAR, SHAMIM IBRAHIM, GB

[71] SAMS GLOBAL SOLUTIONS LTD., GB

[71] SARKAR, SHAMIM IBRAHIM, GB

[85] 2022-10-24

[86] 2021-09-10 (PCT/IB2021/000792)

[87] (WO2022/053876)

[30] US (63/077,161) 2020-09-11

[21] **3,184,184**
[13] A1

[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **POTENT NEUTRALIZING ANTIBODIES AGAINST SARS-COV-2, GENERATION AND USES THEREOF**

[54] **ANTICORPS NEUTRALISANTS PUISSANTS CONTRE LE SRAS-COV-2, LEUR GENERATION ET LEURS UTILISATIONS**

[72] HO, DAVID D., US

[72] HUANG, YAOXING, US

[72] LIU, LIHONG, CN

[72] NAIR, MANOJ S., US

[72] WANG, PENGFEI, US

[72] YU, JIAN, US

[72] LUO, YANG, US

[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US

[85] 2022-11-18

[86] 2021-05-20 (PCT/US2021/033512)

[87] (WO2021/236997)

[30] US (63/027,935) 2020-05-20

[30] US (63/032,518) 2020-05-29

[30] US (63/039,977) 2020-06-16

[30] US (63/060,116) 2020-08-02

[30] US (63/063,106) 2020-08-07

[30] US (63/117,908) 2020-11-24

[30] US (63/123,767) 2020-12-10

[30] US (63/165,729) 2021-03-24

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[21] **3,184,186**
[13] A1

[51] **Int.Cl. H02K 1/06 (2006.01) B60K 6/26 (2007.10) B60K 6/40 (2007.10) B63H 21/17 (2006.01) B63H 21/20 (2006.01) H02K 15/00 (2006.01)**

[25] EN

[54] **SPLIT ELECTRIC MACHINE FOR RETROFIT HYBRID PROPULSION SYSTEMS**

[54] **MACHINE ELECTRIQUE DIVISEE POUR SYSTEMES DE PROPULSION HYBRIDES MODERNISES**

[72] PILGRIM, RICK RALPH, CA
[72] RABBI, SHEIKH FAZLE, CA
[72] ASPIN, JASON, CA
[72] MAHARJAN, DIPESH, CA
[72] ROPER, RICHARD ROBERT, US
[71] DUXION MOTORS, INC., CA
[85] 2022-11-18
[86] 2021-05-22 (PCT/IB2021/054458)
[87] (WO2021/234675)
[30] US (63/029,089) 2020-05-22

[21] **3,184,189**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **PROTEINS COMPRISING CD3 ANTIGEN BINDING DOMAINS AND USES THEREOF**

[54] **PROTEINES COMPRENANT DES DOMAINES DE LIAISON A L'ANTIGENE CD3 ET LEURS UTILISATIONS**

[72] LUO, JINQUAN, US
[72] BRITTINGHAM, RAYMOND, US
[72] YI, FANG, US
[72] BRODEUR, SCOTT R., US
[72] GANESAN, RAJKUMAR, US
[72] HOOVER, JACLYN, US
[72] JACOBS, STEVEN A., US
[72] KANE, COLLEEN M., US
[72] SINGH, SANJAYA, US
[72] ZWOLAK, ADAM, US
[72] BHATT, TRIVENI K., US
[72] FELDKAMP, MICHAEL DENNIS, US
[72] LAPORTE, SHERRY LYNN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-11-18
[86] 2021-05-26 (PCT/IB2021/054582)
[87] (WO2021/240388)
[30] US (63/030,448) 2020-05-27
[30] US (63/057,958) 2020-07-29
[30] US (63/094,931) 2020-10-22

[21] **3,184,191**
[13] A1

[51] **Int.Cl. F01K 3/12 (2006.01) F01K 3/14 (2006.01) F01K 7/32 (2006.01) F01K 25/06 (2006.01) F01K 25/10 (2006.01)**

[25] EN

[54] **PLANT AND PROCESS FOR ENERGY MANAGEMENT**

[54] **INSTALLATION ET PROCEDE DE GESTION D'ENERGIE**

[72] SPADACINI, CLAUDIO, IT
[72] RIZZI, DARIO, IT
[71] ENERGY DOME S.P.A., IT
[85] 2022-11-18
[86] 2021-06-08 (PCT/IB2021/055024)
[87] (WO2021/255578)
[30] IT (102020000014566) 2020-06-18

[21] **3,184,192**
[13] A1

[51] **Int.Cl. A61K 31/4355 (2006.01) A61P 25/00 (2006.01) C07D 491/048 (2006.01)**

[25] EN

[54] **METHYL 2-METHYL-5-OXO-1,4,5,7-TETRAHYDROFURO[3,4-B]PYRIDINE-3-CARBOXYL ATE COMPOUNDS AS CAV1.2 ACTIVATORS**

[54] **COMPOSES DE METHYL 2-METHYL-5-OXO-1,4,5,7-TETRAHYDRO-FURO[3,4-B]PYRIDINE-3-CARBOXYLATE DE METHYLE UTILISES EN TANT QU'ACTIVATEURS DE CAV1.2**

[72] CAYA, THOMAS CHARLES, US
[72] NEEF, JAMES, US
[72] PATHAK, TEJASKUMAR PANKAJBHAI, US
[72] SADAGHIANI, AMIR MASOUD, US
[72] ZHOU, XILIN, US
[72] PARK, HYE-YEON, US
[71] NOVARTIS AG, CH
[85] 2022-11-18
[86] 2021-06-11 (PCT/IB2021/055184)
[87] (WO2021/255608)
[30] US (63/039,691) 2020-06-16

[21] **3,184,193**
[13] A1

[51] **Int.Cl. A45C 11/00 (2006.01)**

[25] EN

[54] **SINGLE TOUCH CONTACT LENS PACKAGE**

[54] **BOITIER DE LENTILLES DE CONTACT A TOUCHER UNIQUE**

[72] POPWELL, SAM JONATHAN, US
[72] ANSELL, SCOTT F., US
[72] WARD, DANIEL GRAHAM, GB
[72] SAMS, STEPHEN, GB
[72] HONEY, WILLIAM STEPHEN, GB
[72] AKRAM, ISMAIL, GB
[71] JOHNSON & JOHNSON VISION CARE, INC., US
[85] 2022-11-18
[86] 2021-09-14 (PCT/IB2021/058376)
[87] (WO2022/054031)
[30] US (63/077,779) 2020-09-14

[21] **3,184,196**
[13] A1

[51] **Int.Cl. B65B 3/00 (2006.01) B65B 35/16 (2006.01) B65B 43/00 (2006.01) B65B 43/42 (2006.01) B65B 43/46 (2006.01)**

[25] EN

[54] **METHOD TO MOVE CONTAINERS IN A LINE FOR PROCESSING SAID CONTAINERS, AND CORRESPONDING PROCESSING LINE**

[54] **PROCEDE DE DEPLACEMENT DE RECIPIENTS DANS UNE LIGNE DE TRAITEMENT DESDITS RECIPIENTS ET LIGNE DE TRAITEMENT CORRESPONDANTE**

[72] CHIANURA, MATTIA, IT
[72] GABUSI, GABRIELE, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2022-11-18
[86] 2021-05-17 (PCT/IT2021/050145)
[87] (WO2021/234746)
[30] IT (102020000011485) 2020-05-19

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[21] **3,184,197**
[13] A1

[51] **Int.Cl. G01G 15/04 (2006.01) G01G 17/00 (2006.01)**
[25] EN
[54] **METHOD TO WEIGH CONTAINERS**
[54] **PROCEDE DE PESAGE DE RECIPIENTS**
[72] CHIANURA, MATTIA, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2022-11-18
[86] 2021-05-17 (PCT/IT2021/050146)
[87] (WO2021/234747)
[30] IT (102020000011488) 2020-05-19

[21] **3,184,198**
[13] A1

[51] **Int.Cl. H04M 3/00 (2006.01) H04M 3/42 (2006.01) H04Q 3/62 (2006.01)**
[25] EN
[54] **RELAY APPARATUS, COMMUNICATION SYSTEM, RELAY METHOD, AND PROGRAM**
[54] **DISPOSITIF DE RELAIS, SYSTEME DE COMMUNICATION, PROCEDE DE RELAIS ET PROGRAMME**
[72] ABE, TAKUMI, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2022-11-18
[86] 2021-04-16 (PCT/JP2021/015763)
[87] (WO2021/235149)
[30] JP (2020-087881) 2020-05-20

[21] **3,184,203**
[13] A1

[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITION OF SARS-COV-2 VIRAL INFECTIONS**
[54] **COMPOSITIONS ET PROCEDES POUR L'INHIBITION D'INFECTIONS VIRALES DU SARS-COV-2**
[72] LIU, WENSHE, US
[72] YANG, KAI, US
[72] VATANSEVER, EROL, US
[72] XU, SHIQING, US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2022-11-18
[86] 2020-07-08 (PCT/US2020/041179)
[87] (WO2021/236134)
[30] US (63/027,566) 2020-05-20

[21] **3,184,224**
[13] A1

[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/17 (2018.01)**
[25] EN
[54] **FAULT DETECTION FOR MICRONEEDLE ARRAY BASED CONTINUOUS ANALYTE MONITORING DEVICE**
[54] **DETECTION DE DEFAUTS POUR DISPOSITIF DE SURVEILLANCE CONTINUE D'ANALYTES BASE SUR UN RESEAU DE MICRO-AIGUILLES**
[72] WINDMILLER, JOSHUA RAY, US
[72] CAMPBELL, ALAN STEVEN, US
[71] BIOLINQ INCORPORATED, US
[85] 2022-12-23
[86] 2022-05-06 (PCT/US2022/028196)
[87] (WO2022/240700)
[30] US (63/186,086) 2021-05-08

[21] **3,184,263**
[13] A1

[51] **Int.Cl. F16H 25/22 (2006.01) F16H 25/24 (2006.01)**
[25] EN
[54] **INTEGRATED MOTOR LINEAR ACTUATOR**
[54] **ACTIONNEUR LINEAIRE A MOTEUR INTEGRE**
[72] KERANEN, LUCAS, US
[72] GRUNERUD, WYATT, US
[72] ROSENGREN, GARY, US
[71] TOLOMATIC, INC., US
[85] 2022-11-18
[86] 2021-04-23 (PCT/US2021/028886)
[87] (WO2021/236291)
[30] US (16/878,897) 2020-05-20

[21] **3,184,264**
[13] A1

[51] **Int.Cl. H02M 7/00 (2006.01) H03K 17/081 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **COMPACT INVERTER SYSTEM**
[54] **SYSTEME D'ONDULEUR COMPACT**
[72] HAREL, JEAN-CLAUDE, US
[71] MAREL POWER SOLUTIONS, INC., US
[85] 2022-11-18
[86] 2021-05-10 (PCT/US2021/031539)
[87] (WO2021/236367)
[30] US (63/028,883) 2020-05-22
[30] US (63/044,763) 2020-06-26
[30] US (63/136,406) 2021-01-12
[30] US (17/191,805) 2021-03-04
[30] US (17/191,816) 2021-03-04
[30] US (63/178,918) 2021-04-23
[30] US (63/186,295) 2021-05-10

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[21] **3,184,265**
[13] A1

[51] **Int.Cl. G06F 21/12 (2013.01) G06F 21/55 (2013.01)**
[25] EN
[54] **ENDPOINT CLIENT SENSORS FOR EXTENDING NETWORK VISIBILITY**
[54] **CAPTEURS CLIENTS (CAPTEURS C) D'AGENTS DE POINTS D'EXTREMITES ET INFRASTRUCTURES ASSOCIEES DESTINEES A ETENDRE LA VISIBILITE DE RESEAU DANS UN ENVIRONNEMENT DE DEFENSE CONTRE LES MENACES A INTELLIGENCE ARTIFICIELLE (IA)**
[72] FELLOWS, SIMON DAVID
LINCOLN, GB
[72] STOCKDALE, JACK BENJAMIN, GB
[72] JENKINSON, THOAMS
ALEXANDER CHESNEY, GB
[71] DARKTRACE HOLDINGS LIMITED,
GB
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/032995)
[87] (WO2021/236661)
[30] US (63/026,446) 2020-05-18

[21] **3,184,266**
[13] A1

[51] **Int.Cl. H04W 88/06 (2009.01) H04W 4/02 (2018.01) H04W 36/00 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **SYSTEM FOR CONFIGURING WI-FI ACCESS POINTS**
[54] **SYSTEME DESTINE A CONFIGURER DES POINTS D'ACCES WI-FI**
[72] LOTTER, MICHIEL PETRUS, US
[71] NEXTIVITY, INC., US
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/033036)
[87] (WO2021/236692)
[30] US (63/026,568) 2020-05-18

[21] **3,184,267**
[13] A1

[51] **Int.Cl. H04H 20/18 (2009.01) H04N 21/242 (2011.01)**
[25] EN
[54] **DETECTION AND SYNCHRONIZATION OF AUDIO TRANSMISSIONS USING COMPLEX AUDIO SIGNALS**
[54] **DETECTION ET SYNCHRONISATION DE TRANSMISSIONS AUDIO A L'AIDE DE SIGNAUX AUDIO COMPLEXES**
[72] FARRAR, REBEKAH, US
[72] MENDEL, OZ, US
[72] KNAUER, WILLIAM, US
[71] LISNR, INC, US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033096)
[87] (WO2021/236731)
[30] US (16/879,333) 2020-05-20

[21] **3,184,268**
[13] A1

[51] **Int.Cl. G16B 20/00 (2019.01) G16B 30/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETECTION AND PHASING OF COMPLEX GENETIC VARIANTS**
[54] **PROCEDES ET SYSTEMES DE DETECTION ET DE PHASAGE DE VARIANTS GENETIQUES COMPLEXES**
[72] ZENG, QIANDONG, US
[72] LEACH, NATALIA TSZINE, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033177)
[87] (WO2021/236784)
[30] US (63/026,948) 2020-05-19

[21] **3,184,270**
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/58 (2006.01) G01N 33/96 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR QUANTITATIVE DETECTION OF ANTIBODIES**
[54] **PROCEDES ET SYSTEMES DE DETECTION QUANTITATIVE D'ANTICORPS**
[72] CHUN, KELLY Y., US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033186)
[87] (WO2021/236790)
[30] US (63/027,032) 2020-05-19

[21] **3,184,271**
[13] A1

[51] **Int.Cl. F41G 1/00 (2006.01) F41G 1/12 (2006.01) F41G 1/38 (2006.01)**
[25] EN
[54] **RETICLE FOR MULTI-ROLE VIEWING OPTIC**
[54] **RETICULE POUR OPTIQUE DE VISUALISATION MULTI-ROLE**
[72] HAMILTON, DAVID, US
[72] HELTEMES, JOE, US
[72] PARKS, SCOTT, US
[72] CAMPBELL, RICK, US
[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033396)
[87] (WO2021/236925)
[30] US (63/028,084) 2020-05-21

[21] **3,184,272**
[13] A1

[51] **Int.Cl. F21V 21/03 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE MOUNTING BRACKET AND CANOPY ASSEMBLY**
[54] **SUPPORT DE MONTAGE DE LUMINAIRE ET ENSEMBLE COQUE**
[72] SCHOEPPF, JEFFERY RICHARD, US
[72] FARRELL, TIMOTHY SCOTT, US
[71] HLI SOLUTIONS, INC., US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033397)
[87] (WO2021/236926)
[30] US (63/027,684) 2020-05-20

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[21] **3,184,274**
[13] A1

[51] **Int.Cl. H04W 36/32 (2009.01) B60W 40/107 (2012.01) H04W 4/40 (2018.01) G06N 20/00 (2019.01) B60W 60/00 (2020.01) B60W 10/20 (2006.01) G05D 1/02 (2020.01)**

[25] EN

[54] **AUTOMATED VEHICLE CONTROL DISTRIBUTED NETWORK APPARATUSES AND METHODS**

[54] **APPAREILS ET PROCEDES DE RESEAU DISTRIBUE DE COMMANDE DE VEHICULE AUTOMATISE**

[72] PAN, SHAOWEI, US
[72] PONTE, BRIAN, US
[71] LEMKO CORPORATION, US
[85] 2022-11-18
[86] 2021-05-21 (PCT/US2021/033774)
[87] (WO2021/242646)
[30] US (63/029,542) 2020-05-24
[30] US (16/987,399) 2020-08-07

[21] **3,184,275**
[13] A1

[51] **Int.Cl. C07D 403/14 (2006.01)**

[25] EN

[54] **PROCESSES OF PREPARING A JAK1 INHIBITOR**

[54] **PROCEDES DE PREPARATION D'UN INHIBITEUR DE JAK1**

[72] ZHOU, JIACHENG, US
[72] DAI, YINGRUI, US
[72] JIA, ZHONGJIANG, US
[72] PAN, YONGCHUN, US
[72] PARKS, JAMES M., US
[72] TOMAINE, ANTHONY J., US
[72] WANG, JIANJI, US
[72] ZHANG, AIBIN, US
[71] INCYTE CORPORATION, US
[85] 2022-11-18
[86] 2021-06-02 (PCT/US2021/035400)
[87] (WO2021/247668)
[30] US (63/033,618) 2020-06-02

[21] **3,184,276**
[13] A1

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

[25] EN

[54] **IMPLANTABLE PROSTHESIS**

[54] **PROTHESE IMPLANTABLE**

[72] FELIX, AUGUSTUS, US
[72] D'AMBRUOSO, TALIA, US
[72] SPINNEY, CUIXIANG QU, US
[72] CUDMORE, KOREL, US
[71] DAVOL INC., US
[85] 2022-11-18
[86] 2021-06-15 (PCT/US2021/037338)
[87] (WO2021/257509)
[30] US (16/907,100) 2020-06-19

[21] **3,184,277**
[13] A1

[51] **Int.Cl. C07F 9/40 (2006.01) C07D 265/30 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **PREPARATION OF A P2X3 ANTAGONIST**

[54] **PREPARATION D'UN ANTAGONISTE P2X3**

[72] CHAURET, NATHALIE, CA
[72] GREEN, JEREMY, CA
[72] KRONENTHAL, DAVID R., CA
[72] VILLENEUVE, KARINE, CA
[71] BELLUS HEALTH COUGH INC., CA
[85] 2022-08-09
[86] 2021-02-12 (PCT/IB2021/000130)
[87] (WO2021/161109)
[30] US (62/977,004) 2020-02-14
[30] US (63/144,902) 2021-02-02

[21] **3,184,278**
[13] A1

[51] **Int.Cl. A01N 63/00 (2020.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01)**

[25] EN

[54] **A COMPOSITION FOR REDUCING THE RISK OF URINARY TRACT INFECTION AND VAGINAL INFECTION IN WOMEN**

[54] **COMPOSITION SERVANT A REDUIRE LE RISQUE D'INFECTION DES VOIES URINAIRES ET D'INFECTION VAGINALE CHEZ LES FEMMES**

[72] HALAK, KIRA, US
[72] MODY, SEEMA K., US
[71] DSM IP ASSETS B.V., NL
[85] 2022-11-18
[86] 2021-06-15 (PCT/US2021/037482)
[87] (WO2021/257604)
[30] US (63/039,809) 2020-06-16

[21] **3,184,284**
[13] A1

[51] **Int.Cl. B65D 17/28 (2006.01)**

[25] EN

[54] **CAN END**

[54] **EXTREMITE DE CANETTE**

[72] CARSON, CHARLES, US
[71] BALL CORPORATION, US
[85] 2022-11-18
[86] 2021-06-16 (PCT/US2021/037636)
[87] (WO2021/257709)

[21] **3,184,287**
[13] A1

[51] **Int.Cl. A61J 7/00 (2006.01) A45F 3/16 (2006.01) A47G 19/22 (2006.01) A47G 21/18 (2006.01) B65D 47/06 (2006.01) B65D 47/08 (2006.01)**

[25] EN

[54] **DUAL SPOUT PILL STORAGE AND SWALLOWING ASSIST BOTTLE DEVICE**

[54] **DISPOSITIF DE BOUTEILLE DE STOCKAGE ET D'AIDE A LA DEGLUTITION A DOUBLE BEC VERSEUR**

[72] DOSANJH, HERVINA, CA
[71] DOSANJH, HERVINA, CA
[85] 2022-11-21
[86] 2021-05-21 (PCT/CA2021/050697)
[87] (WO2021/237341)
[30] US (16/882,674) 2020-05-25

[21] **3,184,289**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01)**

[25] EN

[54] **XANTHINE DEHYDROGENASE (XDH) IRNA COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSITIONS D'ARNI DE XANTHINE DESHYDROGENASE (XDH) ET LEURS PROCEDES D'UTILISATION**

[72] MCININCH, JAMES D., US
[72] LIU, JINGXUAN, US
[72] SCHLEGEL, MARK K., US
[72] CASTORENO, ADAM, US
[72] BORODOVSKY, ANNA, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2022-11-18
[86] 2021-06-17 (PCT/US2021/037748)
[87] (WO2021/257782)
[30] US (63/040,587) 2020-06-18
[30] US (63/153,983) 2021-02-26

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[21] **3,184,291**
[13] A1

[51] **Int.Cl. F25D 1/02 (2006.01) F28C 1/14 (2006.01)**
[25] EN
[54] **BLENDED OPERATION MODE FOR PROVIDING COOLING TO A HEAT LOAD**
[54] **MODE DE FONCTIONNEMENT COMBINE DESTINE AU REFROIDISSEMENT D'UNE CHARGE CALORIFIQUE**
[72] LEPOUDRE, PHILIP PAUL, CA
[72] REGIER, CHRISTOPHER, CA
[72] VAN DEN HURK, MARCEL, CA
[71] NORTEK AIR SOLUTIONS CANADA, INC., CA
[85] 2022-11-21
[86] 2020-05-22 (PCT/CA2020/050702)
[87] (WO2021/232136)

[21] **3,184,295**
[13] A1

[51] **Int.Cl. B29C 43/36 (2006.01) B29C 53/04 (2006.01) B29C 70/34 (2006.01) B29C 70/46 (2006.01) B29C 70/54 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A REINFORCING PROFILE**
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION D'UN PROFILE DE RENFORCEMENT**
[72] AHRER, RUDOLF, AT
[71] GFM GMBH, AT
[85] 2022-11-21
[86] 2021-08-11 (PCT/AT2021/060280)
[87] (WO2022/040708)
[30] AT (A50728/2020) 2020-08-28

[21] **3,184,297**
[13] A1

[25] EN
[54] **SYSTEM AND METHOD FOR ESTIMATING VEGETATION COVERAGE IN A REAL-WORLD ENVIRONMENT**
[54] **SYSTEME ET PROCEDE POUR ESTIMER LA COUVERTURE DE VEGETATION DANS UN ENVIRONNEMENT DU MONDE REEL**
[72] PICON RUIZ, ARTZAI, ES
[72] GONZALEZ SAN EMETERIO, MIGUEL, ES
[72] BERECIARTUA-PEREZ, ARANZAZU, ES
[72] GOMEZ ZAMANILLO, LAURA, ES
[72] JIMENEZ RUIZ, CARLOS JAVIER, ES
[72] ROMERO RODRIGUEZ, JAVIER, ES
[72] KLUKAS, CHRISTIAN, DE
[72] EGGERS, TILL, DE
[72] ECHAZARRA HUGUET, JONE, ES
[72] NAVARRA-MESTRE, RAMON, DE
[71] BASF SE, DE
[85] 2022-11-21
[86] 2021-05-07 (PCT/EP2021/062178)
[87] (WO2021/233698)
[30] EP (20176124.4) 2020-05-22

[21] **3,184,298**
[13] A1

[51] **Int.Cl. C07K 14/56 (2006.01) A61K 9/72 (2006.01) A61K 38/21 (2006.01) A61K 47/20 (2006.01) A61K 47/22 (2006.01) A61P 11/00 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) C07C 323/58 (2006.01) C07D 339/04 (2006.01) C07K 1/22 (2006.01) C07K 19/00 (2006.01) C12N 1/21 (2006.01) C12N 15/21 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/70 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **RECOMBINANT INTERFERON**
[54] **INTERFERON RECOMBINANT**
[72] RUDGE, SCOTT, US
[72] MASSON, LUKE, CA
[72] ARBOUR, MELANIE, CA
[72] STRUBLE, JULIE, US
[72] LUELLEN, JENAE, US
[71] ALTUM PHARMACEUTICALS INC., CA
[85] 2022-11-21
[86] 2021-04-20 (PCT/CA2021/050541)
[87] (WO2021/212220)
[30] US (63/012,904) 2020-04-20

[21] **3,184,303**
[13] A1

[51] **Int.Cl. H04B 1/12 (2006.01) H04B 1/38 (2015.01) H04L 25/03 (2006.01)**
[25] EN
[54] **FLATNESS COMPENSATION METHOD AND APPARATUS, STORAGE MEDIUM AND ELECTRONIC DEVICE**
[54] **PROCEDE ET APPAREIL DE COMPENSATION DE VARIATION CRETE-A-CRETE DU GAIN, ET SUPPORT DE STOCKAGE ET DISPOSITIF ELECTRONIQUE**
[72] WANG, XIN, CN
[72] LI, JUN, CN
[72] CHEN, QINGSONG, CN
[72] WU, WENQUAN, CN
[71] SUNWAVE COMMUNICATIONS CO., LTD., CN
[71] BTI WIRELESS LTD, CN
[71] BRAVO TECH INC, US
[85] 2022-11-21
[86] 2021-05-31 (PCT/CN2021/097384)
[87] (WO2022/028073)
[30] CN (202010773642.0) 2020-08-04

[21] **3,184,306**
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **SELECTIVE NEUROMODULATION APPARATUS**
[54] **APPAREIL DE NEUROMODULATION SELECTIVE**
[72] DOSKOCIL, LUKAS, CZ
[72] KRCIL, ZDENEK, CZ
[71] STIMVIA S.R.O., CZ
[85] 2022-11-21
[86] 2021-05-10 (PCT/EP2021/062354)
[87] (WO2022/002467)
[30] EP (20183816.6) 2020-07-02

Demandes PCT entrant en phase nationale

[21] **3,184,307**
[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **VLP FOR THE TREATMENT OF LEUKODYSTROPHIES**
[54] **VLP POUR LE TRAITEMENT DES LEUCODYSTROPHIES**
[72] DEMINA, VICTORIA, DE
[72] ERNST, OLIVER, DE
[72] HERMANN, ANKE, DE
[72] STAPF, MARKUS, DE
[71] NEUWAY PHARMA GMBH, DE
[85] 2022-11-21
[86] 2021-05-19 (PCT/EP2021/063375)
[87] (WO2021/234046)
[30] EP (PCT/EP2020/064324) 2020-05-22

[21] **3,184,309**
[13] A1

[51] **Int.Cl. A61K 31/337 (2006.01) A61K 38/17 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCER**
[54] **TRAITEMENT DU CANCER**
[72] TRIEBEL, FREDERIC, FR
[71] IMMUTEP S.A.S., FR
[85] 2022-11-21
[86] 2021-03-24 (PCT/EP2021/057588)
[87] (WO2021/239292)
[30] GB (2008037.0) 2020-05-28
[30] RU (2020131384) 2020-09-23
[30] GB (2018062.6) 2020-11-17

[21] **3,184,310**
[13] A1

[51] **Int.Cl. C08G 18/02 (2006.01) C08G 18/76 (2006.01) C08G 18/79 (2006.01)**
[25] EN
[54] **NOVEL PHTHALATE-FREE ISOCYANURATE COMPOSITION AND USE THEREOF**
[54] **NOUVELLE COMPOSITION D'ISOCYANURATE EXEMPTÉ DE PHTHALATE ET SON UTILISATION**
[72] AUGUSTIN, THOMAS, DE
[72] LOCHRIE, IAN, GB
[71] LANXESS DEUTSCHLAND GMBH, DE
[85] 2022-11-21
[86] 2021-05-21 (PCT/EP2021/063666)
[87] (WO2021/239621)
[30] EP (20176994.0) 2020-05-28

[21] **3,184,312**
[13] A1

[51] **Int.Cl. C01B 3/16 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **A PROCESS AND REACTOR FOR CONVERTING CARBON DIOXIDE INTO CARBON MONOXIDE, INVOLVING A CATALYST**
[54] **PROCEDE ET REACTEUR DE CONVERSION DE DIOXYDE DE CARBONE EN MONOXYDE DE CARBONE COMPRENANT UN CATALYSEUR**
[72] BALAJI, SAYEE PRASAAD, NL
[72] KLOKKENBURG, MARK, NL
[72] SCHOUWENAAR, ROBERT, NL
[72] UNRUH, DOMINIK JOHANNES MICHAEL, NL
[72] QUEVEDO ENRIQUEZ, JOSE ATILIO, NL
[72] FELSKE, SVEN, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2022-11-21
[86] 2021-05-28 (PCT/EP2021/064385)
[87] (WO2021/244975)
[30] EP (20177671.3) 2020-06-01

[21] **3,184,316**
[13] A1

[51] **Int.Cl. A61K 38/08 (2019.01) A61K 38/16 (2006.01) A61K 38/45 (2006.01) A61P 37/04 (2006.01) C07K 16/28 (2006.01)**
[25] FR
[54] **IMMUNOMODULATORY COMPLEX AND USES THEREOF FOR THERAPY**
[54] **COMPLEXE IMMUNOMODULATEUR ET SES APPLICATIONS POUR LA THERAPIE**
[72] LEONETTI, MICHEL, FR
[72] SAVATIER, ALEXANDRA, FR
[72] COUSIN, CELINE, FR
[72] SLOBODAN, CULINA, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2022-11-21
[86] 2021-05-28 (PCT/EP2021/064449)
[87] (WO2021/239996)
[30] FR (FR20 05663) 2020-05-28

[21] **3,184,318**
[13] A1

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS**
[54] **APPAREIL ELECTROCHIRURGICAL**
[72] BISHOP, JOHN, GB
[72] HANCOCK, CHRIS, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-11-21
[86] 2021-06-02 (PCT/EP2021/064860)
[87] (WO2021/245173)
[30] GB (2008464.6) 2020-06-05

[21] **3,184,320**
[13] A1

[51] **Int.Cl. H03K 3/38 (2006.01) H03K 3/42 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING A VOLTAGE**
[54] **PROCEDE ET APPAREIL DE FOURNITURE D'UNE TENSION**
[72] NISSILA, JAANI, FI
[72] KEMPPINEN, ANTTI, FI
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[85] 2022-11-21
[86] 2021-06-16 (PCT/FI2021/050455)
[87] (WO2021/255343)
[30] FI (20205636) 2020-06-16

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<p style="text-align: center;">[21] 3,184,323 [13] A1</p> <p>[51] Int.Cl. B82Y 20/00 (2011.01) G06N 10/00 (2022.01) G01R 31/3185 (2006.01) G02B 6/122 (2006.01) G02B 27/28 (2006.01) G02F 1/00 (2006.01) G02F 1/09 (2006.01) G02F 1/31 (2006.01) G02F 1/37 (2006.01) G02F 2/02 (2006.01) G06F 1/00 (2006.01) H01S 3/00 (2006.01) G01N 21/19 (2006.01) G02B 5/30 (2006.01)</p> <p>[25] EN</p> <p>[54] CRYOGENIC WAVEFORM SOURCE</p> <p>[54] SOURCE DE FORME D'ONDE CRYOGENIQUE</p> <p>[72] KEMPPINEN, ANTTI, FI [72] NISSILA, JAANI, FI [72] VIHIERIALA, JUKKA, FI [72] GOVENIUS, JOONAS, FI [71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI</p> <p>[85] 2022-11-21 [86] 2021-06-16 (PCT/FI2021/050456) [87] (WO2021/255344) [30] FI (20205635) 2020-06-16</p>	<p style="text-align: center;">[21] 3,184,329 [13] A1</p> <p>[51] Int.Cl. A61K 38/24 (2006.01) A61P 5/06 (2006.01)</p> <p>[25] EN</p> <p>[54] HP-HMG FOR USE IN THE TREATMENT OF INFERTILITY IN A PATIENT WITH POLYCYSTIC OVARY SYNDROME</p> <p>[54] HP-HMG POUR UNE UTILISATION DANS LE TRAITEMENT DE L'INFERTILITE CHEZ UNE PATIENTE ATTEINT D'UN SYNDROME DES OVAIRES POLYKYSTIQUES</p> <p>[72] HEISER, PATRICK, US [71] FERRING B.V., NL</p> <p>[85] 2022-11-21 [86] 2020-06-26 (PCT/US2020/039745) [87] (WO2021/262186)</p>	<p style="text-align: center;">[21] 3,184,334 [13] A1</p> <p>[51] Int.Cl. C01B 3/12 (2006.01) C01B 3/36 (2006.01) C10K 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] A FLEXIBLE PROCESS FOR CONVERTING CARBON DIOXIDE, HYDROGEN, AND METHANE INTO SYNTHESIS GAS</p> <p>[54] PROCEDE FLEXIBLE DE CONVERSION DE DIOXYDE DE CARBONE, D'HYDROGENE ET DE METHANE EN GAZ DE SYNTHESE</p> <p>[72] BALAJI, SAYEE PRASAAD, NL [72] KLOKKENBURG, MARK, NL [72] SCHOUWENAAR, ROBERT, NL [72] UNRUH, DOMINIK JOHANNES MICHAEL, NL [72] QUEVEDO ENRIQUEZ, JOSE ATILIO, NL [71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL</p> <p>[85] 2022-11-21 [86] 2021-05-28 (PCT/EP2021/064403) [87] (WO2021/244980) [30] EP (20177669.7) 2020-06-01</p>
<p style="text-align: center;">[21] 3,184,326 [13] A1</p> <p>[51] Int.Cl. A61K 31/40 (2006.01) A61K 31/4025 (2006.01) A61K 31/4035 (2006.01) A61K 31/4045 (2006.01) A61K 31/407 (2006.01) A61K 31/4462 (2006.01) A61P 35/00 (2006.01) C07D 207/06 (2006.01) C07D 207/12 (2006.01) C07D 209/44 (2006.01) C07D 211/04 (2006.01) C07D 211/42 (2006.01) C07D 217/06 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 471/04 (2006.01)</p> <p>[25] EN</p> <p>[54] INHIBITORS OF MLH1 AND/OR PMS2 FOR CANCER TREATMENT</p> <p>[54] INHIBITEURS DE MLH1 ET/OU PMS2 POUR LE TRAITEMENT DU CANCER</p> <p>[72] BLAGG, JULIAN, GB [72] ROFFEY, JON, GB [72] DRYSDALE, MARTIN, GB [72] WINSHIP, PAUL, GB [72] CLARK, DAVID, GB [71] NEOPHORE LIMITED, GB</p> <p>[85] 2022-11-21 [86] 2021-06-01 (PCT/GB2021/051349) [87] (WO2021/245405) [30] GB (2008201.2) 2020-06-01</p>	<p style="text-align: center;">[21] 3,184,333 [13] A1</p> <p>[51] Int.Cl. A61K 33/34 (2006.01) A61K 9/00 (2006.01) A61L 26/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COPPER ION COMPOSITIONS AND METHODS OF TREATMENT FOR CONDITIONS CAUSED BY CORONAVIRUS AND INFLUENZA</p> <p>[54] COMPOSITIONS D'IONS CUIVRE ET METHODES DE TRAITEMENT D'ETATS PROVOQUES PAR LE CORONAVIRUS ET LA GRIPPE</p> <p>[72] ABBOTT, CHUNLIM, US [72] ABBOTT, DOMINIC C., US [71] CDA RESEARCH GROUP, INC., US</p> <p>[85] 2022-11-21 [86] 2021-03-29 (PCT/US2021/024555) [87] (WO2021/236231) [30] US (16/881,937) 2020-05-22</p>	<p style="text-align: center;">[21] 3,184,335 [13] A1</p> <p>[51] Int.Cl. B01J 13/00 (2006.01) B01J 20/26 (2006.01) B01J 20/28 (2006.01)</p> <p>[25] EN</p> <p>[54] TUNABLE, RAPID UPTAKE, AMINOPOLYMER AEROGEL SORBENT FOR CAPTURE OF CO2</p> <p>[54] SORBANT D'AEROGEL D'AMINOPOLYMERE A ABSORPTION RAPIDE ACCORDABLE POUR LA CAPTURE DE CO2</p> <p>[72] CHINTAPALLI, MAHATI, US [72] MECKLER, STEPHEN, US [72] IFTIME, GABRIEL, US [72] PANDEY, RAHUL, US [72] LOUIE, MARY, US [72] BEH, EUGENE SHIN MING, US [71] PALO ALTO RESEARCH CENTER INCORPORATED, US</p> <p>[85] 2022-11-21 [86] 2021-05-04 (PCT/US2021/030661) [87] (WO2021/242485) [30] US (63/031,098) 2020-05-28 [30] US (17/211,588) 2021-03-24</p>

Demandes PCT entrant en phase nationale

[21] **3,184,336**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/36 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING PEPSTATIN AND ALGINIC ACID OR A SALT THEREOF, AND USE THEREOF**

[54] **COMPOSITION COMPRENANT DE LA PEPSTATINE ET DE L'ACIDE ALGINIQUE OU UN SEL DE CELLES-CI, ET SON UTILISATION**

[72] MERCURI, LUIGI, IT

[72] TIBERI, LICIA, IT

[71] DRUGS MINERALS AND GENERICS ITALIA S.R.L. IN FORMA ABBREVIATA D.M.G. ITALIA S.R.L., IT

[85] 2022-11-21

[86] 2021-05-26 (PCT/IB2021/054572)

[87] (WO2021/240382)

[30] IT (102020000012370) 2020-05-26

[21] **3,184,337**
[13] A1

[51] **Int.Cl. H03F 3/183 (2006.01) H03F 3/217 (2006.01) H03F 3/45 (2006.01)**

[25] EN

[54] **CLASS-D AMPLIFIER WITH NESTED FEEDBACK LOOPS**

[54] **AMPLIFICATEUR DE CLASSE D A BOUCLES DE RETROACTION IMBRIQUEES**

[72] LIND, ANDERS, US

[71] QSC, LLC, US

[85] 2022-11-21

[86] 2021-05-14 (PCT/US2021/032579)

[87] (WO2021/236462)

[30] US (16/880,629) 2020-05-21

[21] **3,184,339**
[13] A1

[51] **Int.Cl. A61P 25/02 (2006.01) A61P 25/28 (2006.01) A61P 37/02 (2006.01)**

[25] EN

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

[54] **ANTICORPS ANTI-BDNF ET LEURS PROCEDES D'UTILISATION**

[72] CHING, KATHRYN, US

[72] BERG, KIMBERLEY, US

[71] CRYSTAL BIOSCIENCE INC., US

[85] 2022-11-21

[86] 2021-05-19 (PCT/US2021/033226)

[87] (WO2021/252157)

[30] US (63/037,414) 2020-06-10

[21] **3,184,340**
[13] A1

[51] **Int.Cl. C08F 4/659 (2006.01) C08F 210/16 (2006.01)**

[25] EN

[54] **DUAL CATALYST SYSTEM FOR PRODUCING POLYETHYLENE WITH LONG CHAIN BRANCHING FOR BLOW MOLDING APPLICATIONS**

[54] **SYSTEME A DOUBLE CATALYSEUR POUR LA PRODUCTION DE POLYETHYLENE AYANT UNE RAMIFICATION A LONGUE CHAINE POUR LES APPLICATIONS DE MOULAGE PAR SOUFFLAGE**

[72] PRAETORIUS, JEREMY M., US

[72] BROWN, ALFRED E., US

[72] INN, YONGWOO, US

[72] YU, YOU LU, US

[72] YANG, QING, US

[72] SUKHADIA, ASHISH M., US

[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US

[85] 2022-11-21

[86] 2021-06-04 (PCT/US2021/070659)

[87] (WO2021/253032)

[30] US (16/898,502) 2020-06-11

[21] **3,184,342**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **ANTIBODIES AND METHODS FOR TREATING CLAUDIN-ASSOCIATED DISEASES**

[54] **ANTICORPS ET METHODES DE TRAITEMENT DE MALADIES ASSOCIEES A LA CLAUDINE**

[72] HOU, BING, CN

[72] CHEN, PENG, CN

[72] YUWEN, HUI, CN

[72] SHAN, BO, CN

[72] MEI, JAY, CN

[71] ANTENGENE BIOLOGICS LIMITED, CN

[85] 2022-11-22

[86] 2021-06-23 (PCT/CN2021/101713)

[87] (WO2021/259304)

[30] CN (PCT/CN2020/097635) 2020-06-23

[30] CN (PCT/CN2021/098416) 2021-06-04

[21] **3,184,343**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/02 (2006.01) A61B 5/021 (2006.01) A61B 5/0215 (2006.01) A61B 5/024 (2006.01) A61B 5/0245 (2006.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01) A61M 25/00 (2006.01) A61B 5/0535 (2021.01) A61B 5/0205 (2006.01)**

[25] EN

[54] **PATIENT-MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE DE PATIENT**

[72] BIVANS, MATTHEW, US

[72] CEISEL, AHREN, US

[72] WALIMBE, VIVEK, US

[72] HANDLER, JONATHAN, US

[72] DHILLON, MARSHAL, US

[72] DHILLON, MARK, US

[72] TANG, ERIK, US

[72] MCCANNA, JAMES, US

[72] HAYWARD, LAUREN N. M., US

[72] BANET, MATTHEW, US

[71] BAXTER INTERNATIONAL INC., US

[71] BAXTER HEALTHCARE SA, CH

[85] 2022-11-21

[86] 2021-06-22 (PCT/US2021/038405)

[87] (WO2021/262670)

[21] **3,184,345**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01)**

[25] EN

[54] **RNAI CONSTRUCTS FOR INHIBITING HSD17B13 EXPRESSION AND METHODS OF USE THEREOF**

[54] **CONSTRUCTIONS D'ARNI POUR L'INHIBITION DE L'EXPRESSION DE HSD17B13 ET PROCEDES D'UTILISATION DE CELLES-CI**

[72] LIN, DANIEL C. H., US

[72] OLLMANN, MICHAEL, US

[72] MURRAY, JUSTIN K., US

[72] HERBERICH, BRADLEY J., US

[72] DAS, AMRITA, US

[72] COLLINS, PATRICK, US

[72] HOMANN, OLIVER, US

[71] AMGEN INC., US

[85] 2022-11-21

[86] 2021-06-03 (PCT/US2021/035730)

[87] (WO2021/247885)

PCT Applications Entering the National Phase

[21] **3,184,346**
[13] A1

[51] **Int.Cl. B01D 1/22 (2006.01) B01D 3/34 (2006.01) F01M 1/10 (2006.01) F01M 5/00 (2006.01) F02M 31/18 (2006.01) F16N 39/00 (2006.01) F16N 39/04 (2006.01)**

[25] EN

[54] **A REFINER DEVICE FOR REFINING OF A LIQUID**

[54] **DISPOSITIF DE RAFFINAGE DESTINE AU RAFFINAGE D'UN LIQUIDE**

[72] LINDSTAM, MAGNUS, SE

[71] COT- CLEAN OIL TECHNOLOGY AB, SE

[85] 2022-11-22

[86] 2020-12-15 (PCT/EP2020/086240)

[87] (WO2021/213694)

[30] SE (2050467-6) 2020-04-24

[21] **3,184,348**
[13] A1

[51] **Int.Cl. A61K 31/499 (2006.01) A61K 38/55 (2006.01) A61K 39/215 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **SPIRO-LACTAM COMPOUNDS AND METHODS OF TREATING VIRAL INFECTIONS USING THE SAME**

[54] **COMPOSES DE SPIRO-LACTAME ET PROCEDES DE TRAITEMENT D'INFECTIONS VIRALES L'UTILISANT**

[72] KHAN, M. AMIN, US

[71] APTINYX INC., US

[85] 2022-11-21

[86] 2021-06-03 (PCT/US2021/035724)

[87] (WO2021/247880)

[30] US (63/034,076) 2020-06-03

[30] US (63/133,901) 2021-01-05

[21] **3,184,351**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **BISPECIFIC BINDING CONSTRUCTS**

[54] **CONSTRUCTIONS DE LIAISONS BISPECIFIQUES**

[72] GHATTYVENKATAKRISHNA, PAVAN, US

[72] AMER, BRENDAN, US

[71] AMGEN INC., US

[85] 2022-11-21

[86] 2021-06-03 (PCT/US2021/035626)

[87] (WO2021/247812)

[30] US (63/034,889) 2020-06-04

[21] **3,184,352**
[13] A1

[51] **Int.Cl. B02C 2/00 (2006.01) B02C 13/28 (2006.01) B22D 19/02 (2006.01) B22D 19/06 (2006.01) B22F 3/00 (2021.01) B22F 3/23 (2006.01) B22F 5/00 (2006.01) B22F 7/00 (2006.01) B22F 7/06 (2006.01) C22C 1/05 (2006.01) C22C 33/02 (2006.01) C22C 33/04 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01)**

[25] EN

[54] **CERAMIC-METAL COMPOSITE WEAR PART**

[54] **PIECE D'USURE COMPOSITE CERAMIQUE-METAL**

[72] BERTON, GUY, BE

[71] MAGOTTEAUX INTERNATIONAL S.A., BE

[85] 2022-11-22

[86] 2021-03-25 (PCT/EP2021/057813)

[87] (WO2021/239294)

[30] EP (20177457.7) 2020-05-29

[21] **3,184,353**
[13] A1

[51] **Int.Cl. A61K 31/196 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **METHODS FOR THE TREATMENT OF INFANTILE SPASMS USING MEDIUM CHAIN TRIGLYCERIDES**

[54] **PROCEDES POUR LE TRAITEMENT DE SPASMES INFANTILES A L'AIDE DE TRIGLYCERIDES A CHAINE MOYENNE**

[72] WALKER, JUDITH, US

[72] HENDERSON, SAMUEL T., US

[71] CERECIN INC., US

[85] 2022-11-21

[86] 2021-05-28 (PCT/US2021/034883)

[87] (WO2021/243226)

[21] **3,184,355**
[13] A1

[51] **Int.Cl. B61B 7/04 (2006.01) B61B 12/06 (2006.01)**

[25] EN

[54] **CABLEWAY VEHICLE WITH CROSSOVER APPARATUS**

[54] **VEHICULE DE TELEPHERIQUE AYANT UN APPAREIL DE CROISEMENT**

[72] SUTTER, JOSEF, AT

[72] ILG, GERNOT, AT

[71] INNOVA PATENT GMBH, AT

[85] 2022-11-22

[86] 2021-03-26 (PCT/EP2021/057998)

[87] (WO2021/239296)

[30] AT (A50464/2020) 2020-05-27

[21] **3,184,356**
[13] A1

[51] **Int.Cl. A61K 35/66 (2015.01) A61K 35/74 (2015.01) A61K 35/74 (2015.01) A61K 39/02 (2006.01)**

[25] EN

[54] **SHELF- STABLE AMMONIA OXIDIZING MICROORGANISM PREPARATIONS**

[54] **PREPARATIONS DE MICRO-ORGANISMES OXYDANT L'AMMONIAC STABLES AU STOCKAGE**

[72] GODDARD, CARSON ALEXIS, US

[71] AOBIOME LLC, US

[85] 2022-11-21

[86] 2021-05-21 (PCT/US2021/033754)

[87] (WO2021/237154)

[30] US (63/028,364) 2020-05-21

Demandes PCT entrant en phase nationale

[21] **3,184,357**
[13] A1

[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **PROCESSING OF OUTPUT LAYER SETS OF CODED VIDEO**
[54] **TRAITEMENT D'ENSEMBLES DE COUCHES DE SORTIE DE VIDEO CODEE**
[72] SANCHEZ DE LA FUENTE, YAGO, DE
[72] SUHRING, KARSTEN, DE
[72] HELLGE, CORNELIUS, DE
[72] SCHIERL, THOMAS, DE
[72] SKUPIN, ROBERT, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-11-22
[86] 2021-05-20 (PCT/EP2021/063552)
[87] (WO2021/234124)
[30] EP (20176207.7) 2020-05-22

[21] **3,184,358**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **PERSONAL PANDEMIC PROXIMITY INDEX SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INDICE PERSONNEL DE PROXIMITE A LA PANDEMIE**
[72] MIFF, STEVE, US
[72] ARORA, AKSHAY, US
[72] KUKREJA, MANSI, US
[72] KARAM, ALBERT, US
[72] JULKA, MANJULA, US
[72] OLIVER, GEORGE, US
[71] PARKLAND CENTER FOR CLINICAL INNOVATION, US
[85] 2022-11-21
[86] 2021-05-21 (PCT/US2021/033697)
[87] (WO2021/237113)
[30] US (63/028,534) 2020-05-21

[21] **3,184,408**
[13] A1

[51] **Int.Cl. G06T 13/40 (2011.01) G06T 17/00 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR IMPROVING MESH ACCURACY USING LABELED INPUTS**
[54] **TECHNIQUES POUR AMELIORER LA PRECISION D'UN MAILLAGE A L'AIDE D'ENTREES ETIQUETEES**
[72] TAMIR, MICHAEL, IL
[72] TALMON, GILAD, IL
[72] KAGARLITSKY, VSEVOLOD, IL
[72] KEINAN, SHIRLEY, IL
[72] DREZNER, DAVID, IL
[72] BARUCH, YAIR, IL
[72] BIRNBOIM, MICHAEL, IL
[71] TETAVI LTD., IL
[85] 2022-09-20
[86] 2021-03-10 (PCT/IB2021/052001)
[87] (WO2021/198817)
[30] US (63/001,783) 2020-03-30

[21] **3,184,442**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING SEVERE ASTHMA IN PATIENTS WITH NASAL POLYPOSIS**
[54] **METHODES POUR TRAITER L'ASTHME SEVERE CHEZ DES PATIENTS SOUFFRANT D'UNE POLYPOSE NASALE**
[72] GARCIA GIL, MARIA ESTHER, ES
[72] ZANGRILLI, JAMES, US
[72] BURDEN, ANNE, GB
[72] KREINDLER, JAMES, US
[71] ASTRAZENECA AB, SE
[85] 2022-11-21
[86] 2021-06-04 (PCT/IB2021/054921)
[87] (WO2021/245619)
[30] US (63/035,021) 2020-06-05
[30] US (62/706,245) 2020-08-06
[30] US (63/112,919) 2020-11-12

[21] **3,184,443**
[13] A1

[51] **Int.Cl. A23L 5/20 (2016.01) A23L 7/10 (2016.01) A23L 25/00 (2016.01)**
[25] EN
[54] **NUT AND NON-DAIRY COMPONENTS HAVING REDUCED TRACE ELEMENT CONTENT, COMPOSITIONS COMPRISING THEM AND PROCESSES FOR THEIR PRODUCTION**
[54] **COMPOSANTS DE NOIX ET NON LAITIERS AYANT UNE TENEUR REDUITE EN ELEMENT TRACE, COMPOSITIONS LES COMPRENANT ET LEURS PROCEDES DE PRODUCTION**
[72] KESLER, URIEL, IL
[72] YITZHAK, HAMUTAL, IL
[72] AZAR, MICHAEL, IL
[72] WIDBERG, ASHER, IL
[72] BAR-YOSEPH, FABIANA, IL
[71] ELSE NUTRITION GH LTD, IL
[85] 2022-11-21
[86] 2021-05-23 (PCT/IL2021/050596)
[87] (WO2021/234715)

[21] **3,184,444**
[13] A1

[51] **Int.Cl. B27K 5/00 (2006.01) B27N 1/00 (2006.01) B27N 3/02 (2006.01) B27N 3/04 (2006.01) B27N 3/08 (2006.01) B27N 3/12 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING PLANT-DERIVED MATERIAL**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU D'ORIGINE VEGETALE**
[72] BORMASHENKO, EDWARD, IL
[72] BORMASHENKO, YELENA, IL
[72] ANKER, YAAKOV, IL
[71] ARIEL SCIENTIFIC INNOVATIONS LTD., IL
[85] 2022-11-21
[86] 2021-06-07 (PCT/IL2021/050680)
[87] (WO2021/250658)
[30] US (63/035,787) 2020-06-07

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[21] **3,184,445**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/445 (2018.01) G06F 9/455 (2018.01) G06F 11/36 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DEVELOPMENT AND DEPLOYMENT OF SELF-ORGANIZING CYBER-PHYSICAL SYSTEMS FOR MANUFACTURING INDUSTRIES**

[54] **SYSTEME ET PROCEDURE DE DEVELOPPEMENT ET DE DEPLOIEMENT DE SYSTEMES CYBER-PHYSIQUES AUTO-ORGANISES POUR LES INDUSTRIES MANUFACTURIERES**

[72] SUBRAMANIAN, SIVAKUMAR, IN

[72] RUNKANA, VENKATARAMANA, IN

[72] PARAMESWARAN, SAI PRASAD, IN

[72] SHAH, NITAL, IN

[72] MAITI, SANDIPAN, IN

[72] MEHROTRA, ANAGHA NIKHIL, IN

[72] PADSALGI, MOKSHA SUNIL, IN

[72] MANNA, RATNAMALA, IN

[72] KUMAR, RAJAN, IN

[72] NISTALA, SRI HARSHA, IN

[72] PANDYA, ROHAN, IN

[72] PAREEK, ADITYA, IN

[72] BAIKADI, ABHISHEK KRISHNAMOORTHY, IN

[72] DEODHAR, ANIRUDH, IN

[71] TATA CONSULTANCY SERVICES LIMITED, IN

[85] 2022-11-21

[86] 2021-05-19 (PCT/IN2021/050484)

[87] (WO2021/234732)

[30] IN (202021021089) 2020-05-19

[21] **3,184,446**
[13] A1

[51] **Int.Cl. B65G 13/11 (2006.01) B65G 21/06 (2006.01) B65G 21/20 (2006.01) F16B 21/04 (2006.01)**

[25] EN

[54] **CONNECTING DEVICE FOR MOUNTING A HOLDER FOR COMPONENTS OF A CONVEYING DEVICE AND CONVEYING DEVICE FOR TRANSPORTING UNIT LOADS**

[54] **DISPOSITIF DE RACCORD POUR L'ASSEMBLAGE D'UN SUPPORT DE COMPOSANTS DE DISPOSITIF DE TRANSPORT, ET DISPOSITIF DE TRANSPORT SERVANT AU TRANSPORT DE CHARGES UNITAIRES**

[72] LINDORFER, STEFAN, AT

[72] SCHONBAUER, MANUEL, AT

[72] LEEB, CLEMENS, AT

[71] TGW MECHANICS GMBH, AT

[85] 2022-11-22

[86] 2021-05-27 (PCT/AT2021/060182)

[87] (WO2021/237262)

[30] AT (A50466/2020) 2020-05-28

[21] **3,184,447**
[13] A1

[51] **Int.Cl. A23K 20/195 (2016.01) A01N 63/50 (2020.01) A01N 37/44 (2006.01) A61K 31/164 (2006.01) A61K 38/00 (2006.01) A61P 31/04 (2006.01) C07K 14/435 (2006.01) C12N 9/24 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **NOVEL POLYPEPTIDE, FUSION POLYPEPTIDE, AND ANTIBIOTIC AGAINST GRAM-NEGATIVE BACTERIA COMPRISING SAME**

[54] **NOUVEAU POLYPEPTIDE, POLYPEPTIDE DE FUSION ET ANTIBIOTIQUE CONTRE LES BACTERIES GRAM-NEGATIVES LE COMPRENANT**

[72] MYUNG, HEEJOON, KR

[72] KIM, MIN SOO, KR

[72] HONG, HYE-WON, KR

[72] PYEON, JIONE, KR

[72] JANG, JAEYEON, KR

[71] LYSENTECH CO., LTD., KR

[85] 2022-11-21

[86] 2021-05-20 (PCT/KR2021/006302)

[87] (WO2021/235876)

[30] KR (10-2020-0061906) 2020-05-22

[30] KR (10-2020-0108498) 2020-08-27

[30] KR (10-2021-0019108) 2021-02-10

[21] **3,184,448**
[13] A1

[51] **Int.Cl. A63B 71/06 (2006.01) G06F 3/01 (2006.01) G06F 11/00 (2006.01)**

[25] EN

[54] **A GAME SCORING APPARATUS**

[54] **APPAREIL DE COMPTAGE DE POINTS DE JEU**

[72] WILKIE, CHARLES FRANCIS, AU

[71] WILKIE, CHARLES FRANCIS, AU

[85] 2022-11-22

[86] 2021-05-26 (PCT/AU2021/050499)

[87] (WO2021/237285)

[30] AU (2020901705) 2020-05-26

[21] **3,184,449**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/32 (2006.01)**

[25] EN

[54] **ANTI-HER2 ANTIBODY OR ANTIGEN-BINDING FRAGMENT THEREOF, AND CHIMERIC ANTIGEN RECEPTOR COMPRISING SAME**

[54] **ANTICORPS ANTI-HER2 OU FRAGMENT DE LIAISON A L'ANTIGENE DE CELUI-CI, ET RECEPTEUR ANTIGENIQUE CHIMERIQUE LE COMPRENANT**

[72] LEE, JONG-SEO, KR

[72] KIM, KYU-TAE, KR

[72] LEE, YOUNG-HA, KR

[72] HWANG, IN-SIK, KR

[72] KO, BONG-KOOK, KR

[72] CHOI, EUNJI, KR

[72] KIM, YOU-SUN, KR

[72] KIM, JEONGMIN, KR

[72] JUNG, MIYOUNG, KR

[72] LIM, HOYONG, KR

[72] CHO, SUNGYOO, KR

[71] GC CELL CORPORATION, KR

[71] ABCLON INC., KR

[85] 2022-11-21

[86] 2021-05-21 (PCT/KR2021/006361)

[87] (WO2021/235894)

[30] US (16/881,650) 2020-05-22

Demandes PCT entrant en phase nationale

[21] **3,184,450**
[13] A1

[51] **Int.Cl. B65D 73/00 (2006.01)**
[25] EN
[54] **PACKAGE WITH PRODUCT LOCKING ASSEMBLY**
[54] **EMBALLAGE AVEC ENSEMBLE DE VERROUILLAGE DE PRODUIT**
[72] LEUNG, YUI HIM LUDWIG, CN
[72] PIEJKO-BROWN, ANDREW JAMES, US
[72] WILSON, RYAN THOMAS, US
[71] HASBRO, INC., US
[85] 2022-11-21
[86] 2021-05-21 (PCT/US2021/033522)
[87] (WO2021/237003)
[30] US (63/028,270) 2020-05-21

[21] **3,184,451**
[13] A1

[51] **Int.Cl. H03M 13/27 (2006.01) H03M 13/29 (2006.01) H03M 13/15 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR POWER EFFICIENT DESIGN OF FORWARD ERROR CORRECTION FOR OPTICAL COMMUNICATION SYSTEMS**
[54] **PROCEDES ET APPAREIL DE CONCEPTION ECOENERGETIQUE DE LA CORRECTION D'ERREUR SANS CIRCUIT DE RETOUR DESTINES A DES SYSTEMES DE COMMUNICATION OPTIQUE**
[72] TORBATIAN, MEHDI, US
[72] NICOLESCU, ALEX, US
[72] SUN, HAN HENRY, US
[72] TEHRANI, MOHSEN, US
[72] WU, KUANG-TSAN, US
[71] INFINERA CORP, US
[85] 2022-11-21
[86] 2021-05-21 (PCT/US2021/033656)
[87] (WO2021/237090)
[30] US (63/028,449) 2020-05-21

[21] **3,184,453**
[13] A1

[51] **Int.Cl. C08B 1/00 (2006.01) C13K 1/02 (2006.01) C13K 1/04 (2006.01) C13K 13/00 (2006.01)**
[25] EN
[54] **A WOOD-DERIVED CARBOHYDRATE COMPOSITION**
[54] **COMPOSITION D'HYDRATE DE CARBONE DERIVEE DU BOIS**
[72] TAMPER, JUHA, FI
[72] SALMINEN, JERE, FI
[72] VENTOLA, MERI, DE
[72] GALL, BARBARA, DE
[71] UPM-KYMMENE CORPORATION, FI
[85] 2022-11-22
[86] 2021-06-09 (PCT/FI2021/050430)
[87] (WO2021/250325)
[30] FI (20205615) 2020-06-12

[21] **3,184,454**
[13] A1

[51] **Int.Cl. A46B 5/02 (2006.01) A46B 15/00 (2006.01) B05C 17/02 (2006.01) B25G 1/10 (2006.01)**
[25] EN
[54] **HANDLE FOR A PERSONAL CARE IMPLEMENT AND PERSONAL CARE IMPLEMENT**
[54] **MANCHE POUR ACCESSOIRE DE SOINS PERSONNELS ET ACCESSOIRE DE SOINS PERSONNELS**
[72] HALLEIN, CHRISTINE, DE
[72] BERUDA, ANGELIKA, DE
[72] LANGHAMMER, DOMINIK, DE
[72] STORKEL, JENS, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2022-11-22
[86] 2021-07-02 (PCT/US2021/040219)
[87] (WO2022/006484)
[30] EP (20183633.5) 2020-07-02

[21] **3,184,456**
[13] A1

[51] **Int.Cl. A23B 7/148 (2006.01) A23L 3/015 (2006.01) A23L 3/3418 (2006.01) A61L 2/02 (2006.01) A61L 2/22 (2006.01)**
[25] EN
[54] **HIGH PRESSURE PROCESSING FOR PERSONAL PROTECTIVE EQUIPMENT AND LOW MOISTURE FOODS**
[54] **TRAITEMENT HAUTE PRESSION POUR EQUIPEMENT DE PROTECTION PERSONNEL ET ALIMENTS A FAIBLE HUMIDITE**
[72] RAGHUBEER, ERROL V., US
[71] AVURE TECHNOLOGIES INCORPORATED, US
[85] 2022-11-22
[86] 2021-06-07 (PCT/US2021/036122)
[87] (WO2021/252332)
[30] US (63/036,628) 2020-06-09

[21] **3,184,457**
[13] A1

[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/35 (2015.01) A61L 27/26 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AUGMENTING AUTOLOGOUS FAT GRAFTS**
[54] **COMPOSITIONS ET METHODES POUR AUGMENTER LES GREFFES DE GRAISSE AUTOLOGUE**
[72] ROBERTS, STEFAN, US
[72] CHILKOTI, ASHUTOSH, US
[72] KLITZMAN, BRUCE, US
[72] HOLLENBECK, SCOTT, US
[71] DUKE UNIVERSITY, US
[85] 2022-11-22
[86] 2021-06-04 (PCT/US2021/035823)
[87] (WO2021/247952)
[30] US (63/035,173) 2020-06-05

PCT Applications Entering the National Phase

[21] **3,184,459**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/22 (2006.01) A61K 39/00 (2006.01)**

[25] EN

[54] **METHODS OF USING HSV-2 SINGLE CYCLE VIRUS DELTA-GD AND HSV-2 RECOMBINANT GLYCOPROTEIN D**

[54] **METHODES D'UTILISATION DU VIRUS A CYCLE UNIQUE HSV-2 DELTA-GD ET DE LA GLYCOPROTEINE D RECOMBINANTE HSV-2**

[72] HEROLD, BETSY C., US

[72] ASCHNER, CLARE BURN, US

[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US

[85] 2022-11-22

[86] 2021-06-01 (PCT/US2021/035168)

[87] (WO2021/243328)

[21] **3,184,462**
[13] A1

[51] **Int.Cl. H04N 19/167 (2014.01) H04N 19/17 (2014.01) H04N 19/30 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **SUBPICTURE-RELATED VIDEO CODING CONCEPTS**

[54] **CONCEPTS DE CODAGE VIDEO ASSOCIES A DES SOUS-IMAGES**

[72] SANCHEZ DE LA FUENTE, YAGO, DE

[72] SUHRING, KARSTEN, DE

[72] HELLGE, CORNELIUS, DE

[72] SCHIERL, THOMAS, DE

[72] SKUPIN, ROBERT, DE

[72] WIEGAND, THOMAS, DE

[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2022-11-22

[86] 2021-05-20 (PCT/EP2021/063553)

[87] (WO2021/234125)

[30] EP (20176208.5) 2020-05-22

[21] **3,184,464**
[13] A1

[51] **Int.Cl. B62J 11/00 (2020.01) B62J 50/21 (2020.01) F16F 1/373 (2006.01) F16F 7/00 (2006.01)**

[25] EN

[54] **VIBRATION DAMPENING DEVICE FOR MOUNTING A HANDHELD ELECTRONIC DEVICE**

[54] **DISPOSITIF D'AMORTISSEMENT DES VIBRATIONS POUR LE MONTAGE D'UN DISPOSITIF ELECTRONIQUE PORTATIF**

[72] PETERS, CHRISTOPHER, AU

[72] RYAN, LEIGH M., AU

[71] ANNEX PRODUCTS PTY LTD, AU

[85] 2022-11-23

[86] 2021-06-03 (PCT/AU2021/050551)

[87] (WO2021/243412)

[30] US (63/035,115) 2020-06-05

[21] **3,184,467**
[13] A1

[51] **Int.Cl. G06N 3/02 (2006.01)**

[25] EN

[54] **TEXT RECOGNITION FOR A NEURAL NETWORK**

[54] **RECONNAISSANCE DE TEXTE POUR UN RESEAU NEURONAL**

[72] ANZENBERG, EITAN, US

[71] BILL.COM, LLC, US

[85] 2022-11-22

[86] 2021-04-16 (PCT/US2021/027734)

[87] (WO2021/236269)

[30] US (16/882,091) 2020-05-22

[21] **3,184,469**
[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61M 25/10 (2013.01)**

[25] EN

[54] **METHOD AND DEVICE FOR SECLUDING A BODY VESSEL**

[54] **PROCEDE ET DISPOSITIF D'ISOLEMENT D'UN VAISSEAU SANGUIN**

[72] MARTIN, DAVID A., US

[71] BASIS MEDICAL, LLC, US

[85] 2022-11-12

[86] 2021-05-13 (PCT/US2021/032207)

[87] (WO2021/242532)

[30] US (15/929,937) 2020-05-29

[21] **3,184,470**
[13] A1

[51] **Int.Cl. A61N 2/02 (2006.01)**

[25] EN

[54] **SYSTEMS FOR THERAPY DELIVERY USING NEAR FIELD MAGNETIC INDUCTION DEVICES**

[54] **SYSTEMES D'ADMINISTRATION DE TRAITEMENT A L'AIDE DE DISPOSITIFS A INDUCTION MAGNETIQUE EN CHAMP PROCHE**

[72] BUTTERS, JOHN T., US

[71] NEARFIELD ATOMICS INC., US

[85] 2022-11-22

[86] 2021-05-13 (PCT/US2021/032341)

[87] (WO2021/236424)

[30] US (63/029,170) 2020-05-22

[21] **3,184,471**
[13] A1

[51] **Int.Cl. A61K 31/404 (2006.01) A61K 31/429 (2006.01) A61K 31/437 (2006.01)**

[25] EN

[54] **ANTIBACTERIAL COMPOUNDS**

[54] **COMPOSES ANTIBACTERIENS**

[72] KEILER, KENNETH C., US

[72] ALUMASA, JOHN N., US

[72] ADES, SARAH ELLEN, US

[71] THE PENN STATE RESEARCH FOUNDATION, US

[85] 2022-11-22

[86] 2021-05-27 (PCT/US2021/034509)

[87] (WO2021/243015)

[30] US (63/030,673) 2020-05-27

[21] **3,184,473**
[13] A1

[51] **Int.Cl. B63B 21/50 (2006.01) B63B 22/02 (2006.01) B63B 35/44 (2006.01)**

[25] EN

[54] **DISCONNECTABLE MOORING SYSTEM**

[54] **SYSTEME D'AMARRAGE SEPARABLE**

[72] BOWIE, MALCOLM, GB

[71] SLLP 134 LIMITED, GB

[85] 2022-11-22

[86] 2021-05-21 (PCT/EP2021/063656)

[87] (WO2021/234148)

[30] GB (2007691.5) 2020-05-22

[30] GB (2014361.6) 2020-09-11

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[21] **3,184,474**
[13] A1

[51] **Int.Cl. A61K 38/44 (2006.01) C12N 9/02 (2006.01) C12N 15/09 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **PHENYLALANINE HYDROXYLASE VARIANTS AND USES THEREOF**

[54] **VARIANTS DE LA PHENYLALANINE HYDROXYLASE ET LEURS UTILISATIONS**

[72] RICE, LISA M., US

[72] FINN, PATRICK, US

[72] DOUSIS, ATHANASIOS, US

[71] MODERNATX, INC., US

[85] 2022-11-22

[86] 2021-06-01 (PCT/US2021/035154)

[87] (WO2021/247507)

[30] US (63/032,875) 2020-06-01

[21] **3,184,476**
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01) A61K 9/107 (2006.01) A61K 47/34 (2017.01)**

[25] EN

[54] **FORMULATION OF MONODISPERSE KINETICALLY FROZEN POLYMER MICELLES VIA EQUILIBRATION-NANOPRECIPITATION**

[54] **FORMULATION DE MICELLES DE POLYMERE MONODISPERSE CINETIQUEMENT CONGELE VIA EQUILIBRAGE-NANOPRECIPITATION**

[72] WON, YOU-YEON, US

[72] FESENMEIER, DANIEL JAMES, US

[71] PURDUE RESEARCH FOUNDATION, US

[85] 2022-11-22

[86] 2021-06-01 (PCT/US2021/035087)

[87] (WO2021/247463)

[30] US (63/033,287) 2020-06-02

[21] **3,184,478**
[13] A1

[51] **Int.Cl. G10L 17/00 (2013.01) G06F 21/32 (2013.01) G10L 17/04 (2013.01) G10L 17/06 (2013.01) G10L 15/22 (2006.01)**

[25] EN

[54] **PASSIVE AND CONTINUOUS MULTI-SPEAKER VOICE BIOMETRICS**

[54] **BIOMETRIE VOCALE PASSIVE ET CONTINUE A MULTIPLES HAUT-PARLEURS**

[72] KHOURY, ELIE, US

[72] SIVARAMAN, GANESH, US

[72] KUMAR, AVROSH, US

[72] ANTOLIC-SOBAN, IVAN, US

[71] PINDROP SECURITY, INC., US

[85] 2022-11-22

[86] 2021-04-15 (PCT/US2021/027474)

[87] (WO2021/211836)

[30] US (63/010,504) 2020-04-15

[21] **3,184,480**
[13] A1

[51] **Int.Cl. A23L 2/54 (2006.01) A47J 31/00 (2006.01) B67D 1/00 (2006.01) B67D 1/08 (2006.01) F25D 31/00 (2006.01)**

[25] EN

[54] **TANK SYSTEM FOR COOLING A LIQUID USING THERMAL STRATIFICATION**

[54] **SYSTEME DE RESERVOIR POUR LE REFROIDISSEMENT D'UN LIQUIDE PAR STRATIFICATION THERMIQUE**

[72] WAWRLA, ANDREAS, CH

[71] AQUIS SYSTEMS AG, CH

[85] 2022-11-22

[86] 2021-05-28 (PCT/EP2021/064406)

[87] (WO2021/239977)

[30] EP (20177511.1) 2020-05-29

[21] **3,184,484**
[13] A1

[51] **Int.Cl. B03D 1/14 (2006.01) B03D 1/02 (2006.01) B03D 1/16 (2006.01)**

[25] EN

[54] **FLOTATION ARRANGEMENT AND METHOD RELATED THERETO**

[54] **DISPOSITIF DE FLOTTAISON ET PROCEDE ASSOCIE**

[72] SHERRELL, IAN, FI

[72] RINNE, ANTTI, FI

[72] MAKELA, ANTTI MIKAEL, FI

[71] METSO OUTOTEC FINLAND OY, FI

[85] 2022-11-22

[86] 2021-06-23 (PCT/FI2021/050488)

[87] (WO2022/003244)

[30] US (63/046,092) 2020-06-30

[21] **3,184,486**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **A METHOD OF IDENTIFYING OR CHARACTERISING AN IMMUNE RESPONSE IN A SUBJECT**

[54] **PROCEDE D'IDENTIFICATION OU DE CHARACTERISATION D'UNE REPOSE IMMUNE CHEZ UN SUJET**

[72] HARDING, STEPHEN, GB

[72] BARNIDGE, DAVID, US

[72] DE ROHAN, CHARLES, GB

[72] HUGHES, RICHARD, GB

[72] PASHA, SABAH, GB

[72] NORTH, SIMON, GB

[72] PATEL, ROSHANI, GB

[72] WALLIS, GREGG, GB

[71] THE BINDING SITE GROUP LIMITED, GB

[85] 2022-11-22

[86] 2021-05-20 (PCT/GB2021/051227)

[87] (WO2021/234396)

[30] US (63/028,887) 2020-05-22

[30] GB (2008887.8) 2020-06-11

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[21] **3,184,487**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01) H04L 9/08 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **DISTRIBUTED ANONYMIZED COMPLIANT ENCRYPTION MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE CHIFFREMENT CONFORME A ANONYMISATION DISTRIBUEE**

[72] GAGLIARDONI, TOMMASO, CH
[71] NAGRAVISION SARL, CH
[85] 2022-11-22
[86] 2021-06-03 (PCT/IB2021/000367)
[87] (WO2021/250460)
[30] US (16/900,391) 2020-06-12

[21] **3,184,488**
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**

[25] FR

[54] **BIODEGRADABLE CAPSULES**

[54] **BIODEGRADABLE CAPSULES**

[72] SANDHERR, MAX, CH
[72] SCHAEFFER, JACQUES, CH
[71] MY TEA CUP AG, CH
[85] 2022-11-22
[86] 2021-05-28 (PCT/EP2021/064419)
[87] (WO2021/239982)
[30] FR (FR2005734) 2020-05-29

[21] **3,184,490**
[13] A1

[51] **Int.Cl. C08L 91/06 (2006.01) C09J 123/08 (2006.01) C09J 123/14 (2006.01) C09J 123/20 (2006.01)**

[25] EN

[54] **USE OF HYDROTREATED SYNTHETIC FISCHER-TROPSCH-WAXES IN POLYOLEFIN-BASED HOT MELT ADHESIVES**

[54] **UTILISATION DE CIRES DE FISCHER-TROPSCH SYNTHETIQUES HYDROTRAITEES DANS DES ADHESIFS THERMOFUSIBLES A BASE DE POLYOLEFINE**

[72] MOABELO, MORRIS, ZA
[72] VAN HELDEN, PIETER, ZA
[71] SASOL SOUTH AFRICA LIMITED, ZA
[85] 2022-11-22
[86] 2021-05-17 (PCT/IB2021/054201)
[87] (WO2021/240294)
[30] ZA (2020/03162) 2020-05-28

[21] **3,184,491**
[13] A1

[51] **Int.Cl. B29D 11/00 (2006.01) G02C 7/02 (2006.01)**

[25] EN

[54] **LENS ELEMENT**

[54] **ELEMENT DE LENTILLE**

[72] GACOIN, ERIC, FR
[72] GUILLOT, MATTHIEU, FR
[72] FERMIGIER, BRUNO, FR
[72] LE SAUX, GILLES, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2022-11-22
[86] 2021-06-02 (PCT/EP2021/064793)
[87] (WO2021/249846)
[30] EP (20305651.0) 2020-06-12

[21] **3,184,495**
[13] A1

[51] **Int.Cl. A61P 31/00 (2006.01) C07K 16/06 (2006.01) C07K 16/08 (2006.01)**

[25] EN

[54] **ANTI-HBV ANTIBODIES AND METHODS OF USE**

[54] **METHODS ANTI-HBV ET METHODES D'UTILISATION**

[72] BOURGINE, MARYLINE, FR
[72] BERETTA, MAXIME, FR
[72] MOUQUET, HUGO, FR
[72] HEHLE, VERENA, NL
[72] POL, STANISLAS, FR
[72] STRICK-MARCHAND, HELENE, FR
[72] AIT-GOUGHOLTE, MALIKA, CH
[72] PELLETIER, NADEGE, CH
[72] FISCHER, JENS, CH
[72] GEORGES, GUY, CH
[72] SCHLOTHAUER, TILMAN, CH
[72] VAN PUJENBROEK, ERWIN, CH
[72] DRIESSEN, WOUTER, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] INSTITUT PASTEUR, FR
[85] 2022-11-22
[86] 2021-06-08 (PCT/EP2021/065260)
[87] (WO2021/249990)
[30] EP (20305612.2) 2020-06-08

[21] **3,184,496**
[13] A1

[51] **Int.Cl. B64C 27/28 (2006.01) B64C 29/00 (2006.01) B64D 27/02 (2006.01) B64D 27/24 (2006.01) B64D 29/04 (2006.01)**

[25] EN

[54] **A VERTICAL TAKE-OFF AND LANDING AIRCRAFT, METHODS AND SYSTEMS FOR CONTROLLING A VERTICAL TAKE-OFF AND LANDING AIRCRAFT**

[54] **AERONEF A DECOLLAGE ET ATTERRISSAGE VERTICAUX, PROCEDES ET SYSTEMES DE COMMANDE D'UN AERONEF A DECOLLAGE ET ATTERRISSAGE VERTICAUX**

[72] PHILLIPS, RUSSELL, ZA
[72] MOONEY, PAUL DAMIAN, ZA
[71] NELSON MANDELA UNIVERSITY, ZA
[85] 2022-11-22
[86] 2021-05-21 (PCT/IB2021/054430)
[87] (WO2021/234657)
[30] GB (2007673.3) 2020-05-22

[21] **3,184,498**
[13] A1

[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 45/06 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR THE TREATMENT OF VIRAL INFECTIONS**

[54] **COMPOSES POUR LE TRAITEMENT D'INFECTIONS VIRALES**

[72] BETZ, ULRICH, DE
[71] MERCK PATENT GMBH, DE
[85] 2022-11-22
[86] 2021-06-15 (PCT/EP2021/066020)
[87] (WO2021/254982)
[30] EP (20180884.7) 2020-06-18

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[21] **3,184,499**
[13] A1

[51] **Int.Cl. A23L 33/00 (2016.01) A61K 9/00 (2006.01) A61K 9/51 (2006.01) A61K 31/00 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **FORMULATION TO DELIVER LIPOPHILIC ACTIVE INGREDIENTS**

[54] **FORMULATION D'ADMINISTRATION DE PRINCIPES ACTIFS LIPOPHILES**

[72] MARETTI, ELEONORA, IT

[72] LEO, ELIANA GRAZIA, IT

[72] BRIGHENTI, VIRGINIA, IT

[71] PERFORMS S.R.L., IT

[85] 2022-11-22

[86] 2021-07-07 (PCT/IB2021/056096)

[87] (WO2022/009118)

[30] IT (10202000016411) 2020-07-07

[21] **3,184,501**
[13] A1

[51] **Int.Cl. B62D 55/065 (2006.01) B62D 55/116 (2006.01) B62D 55/30 (2006.01)**

[25] EN

[54] **IDLER ARRANGEMENT FOR A TRACK ASSEMBLY, AND METHOD FOR OPERATING SAID IDLER ARRANGEMENT**

[54] **AGENCEMENT DE ROUE DE SUPPORT POUR UN ENSEMBLE CHENILLE, ET PROCEDE DE FONCTIONNEMENT DUDIT AGENCEMENT DE ROUE DE SUPPORT**

[72] OLSSON, ADAM, SE

[72] NOREUS, OLOF, SE

[71] KOMATSU FOREST AB, SE

[85] 2022-11-22

[86] 2021-06-16 (PCT/EP2021/066284)

[87] (WO2021/255116)

[30] SE (2050726-5) 2020-06-16

[21] **3,184,506**
[13] A1

[51] **Int.Cl. B62B 7/06 (2006.01) B62B 9/20 (2006.01)**

[25] EN

[54] **CARRIER FRAME**

[54] **CADRE DE SUPPORT**

[72] YUAN, JIALIANG, CN

[71] WONDERLAND SWITZERLAND AG, CH

[85] 2022-11-22

[86] 2021-07-02 (PCT/EP2021/068379)

[87] (WO2022/003174)

[30] CN (202010628465.7) 2020-07-02

[21] **3,184,510**
[13] A1

[51] **Int.Cl. G09C 5/00 (2006.01) H04L 9/00 (2022.01) H04L 9/14 (2006.01)**

[25] EN

[54] **IMAGE DISTRIBUTION USING COMPOSITE RE-ENCRYPTED IMAGES**

[54] **DISTRIBUTION D'IMAGES A L'AIDE D'IMAGES RECHIFFREES COMPOSITES**

[72] BURCEANU, ELENA, RO

[72] BOLBOCEANU, MADALINA, RO

[72] HALLER, EMANUELA, RO

[72] ROSCA, GEORGIANA M., RO

[72] CEBERE, BOGDAN, RO

[72] TITIU, RADU, RO

[71] BITDEFENDER IPR MANAGEMENT LTD, CY

[85] 2022-11-22

[86] 2021-07-06 (PCT/EP2021/068657)

[87] (WO2022/008509)

[30] US (67/705,604) 2020-07-07

[30] US (17/305,324) 2021-07-05

[21] **3,184,511**
[13] A1

[51] **Int.Cl. B01D 3/06 (2006.01) B01D 3/14 (2006.01) B01D 53/14 (2006.01) C08F 6/00 (2006.01)**

[25] EN

[54] **SCREENING ASSEMBLY AND PROCESS FOR SCREENING POLYMER FROM AN EFFLUENT STREAM AT REDUCED LEVELS OF POLYMER ENTRAINMENT**

[54] **ENSEMBLE DE CRIBLAGE ET PROCESSUS DE CRIBLAGE DE POLYMERE A PARTIR D'UN FLUX D'EFFLUENT A DES NIVEAUX REDUITS D'ENTRAINEMENT DE POLYMERE**

[72] SLEIJSTER, HENRY, NL

[72] AL-HAJ ALI, MOHAMMAD, FI

[72] SATTAR, MUBASHAR, FI

[72] AJELLAL, NOUREDDINE, FI

[72] WEBER, CHARLOTTA, SE

[71] BOREALIS AG, AT

[85] 2022-11-22

[86] 2021-08-05 (PCT/EP2021/071891)

[87] (WO2022/033956)

[30] EP (20190923.1) 2020-08-13

[21] **3,184,515**
[13] A1

[51] **Int.Cl. B32B 7/02 (2019.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01) C01B 32/20 (2017.01) B32B 27/18 (2006.01)**

[25] EN

[54] **SHEET STRUCTURE INCORPORATING GRAPHITIC MATERIAL, AND METHOD OF MANUFACTURE**

[54] **STRUCTURE DE FEUILLE INCORPORANT UN MATERIAU GRAPHITIQUE ET PROCEDE DE FABRICATION**

[72] HU, KAIWEN, CA

[72] LI, XINDA, CA

[72] GASKELL, ROBERT-ERIC, CA

[71] ORA GRAPHENE AUDIO INC., AF

[85] 2022-11-23

[86] 2021-06-01 (PCT/CA2021/050742)

[87] (WO2021/243449)

[30] US (63/033,314) 2020-06-02

[21] **3,184,516**
[13] A1

[51] **Int.Cl. H01B 1/22 (2006.01) D06M 11/83 (2006.01) H05K 3/10 (2006.01)**

[25] EN

[54] **A METHOD FOR FABRICATING CONDUCTIVE YARNS AND FABRICS AT ROOM TEMPERATURE**

[54] **PROCEDE DE FABRICATION DE FILS ET DE TISSUS CONDUCTEURS A TEMPERATURE AMBIANTE**

[72] ZHANG, ZHIYI, CA

[72] TAO, YE, CA

[72] XIAO, GAOZHI, CA

[72] CHU, TA-YA, CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[85] 2022-11-23

[86] 2021-06-22 (PCT/CA2021/050850)

[87] (WO2021/258196)

[30] US (63/042,136) 2020-06-22

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[21] **3,184,519**
[13] A1

[51] **Int.Cl. A24F 40/49 (2020.01) A24F 40/42 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC ATOMIZING DEVICE**
[54] **DISPOSITIF D'ATOMISATION ELECTRONIQUE**
[72] ZANG, JIADONG, CN
[72] XIA, ZHENGHUA, CN
[71] SHENZHEN GEEKVAPE TECHNOLOGY CO., LTD., CN
[85] 2022-11-23
[86] 2020-09-25 (PCT/CN2020/117845)
[87] (WO2022/061742)

[21] **3,184,521**
[13] A1

[51] **Int.Cl. C25B 1/23 (2021.01) C25B 9/19 (2021.01) C25B 9/63 (2021.01) C25B 1/00 (2021.01)**
[25] EN
[54] **METHOD FOR FASTENING AN ELECTRODE**
[54] **PROCEDE DE FIXATION D'UNE ELECTRODE**
[72] MAGORI, ERHARD, DE
[72] PASTUSIAK, REMIGIUSZ, DE
[72] TAWIL, ANGELIKA, DE
[72] WIESNER-FLEISCHER, KERSTIN, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2022-11-23
[86] 2021-04-21 (PCT/EP2021/060392)
[87] (WO2021/239338)
[30] DE (10 2020 206 449.0) 2020-05-25

[21] **3,184,523**
[13] A1

[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **UPGRADED HIGH GLOSS RECYCLING COMPOSITION**
[54] **COMPOSITION DE RECYCLAGE A BRILLANCE ELEVEE AMELIOREE**
[72] KAHLEN, SUSANNE, AT
[72] ABBASI, MAHDI, AT
[72] BACHTROD, MANFRED, AT
[72] BRAUN, HERMANN, AT
[71] BOREALIS AG, AT
[85] 2022-11-23
[86] 2021-04-22 (PCT/EP2021/060590)
[87] (WO2021/239343)
[30] EP (20177306.6) 2020-05-29

[21] **3,184,525**
[13] A1

[51] **Int.Cl. D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/485 (2012.01) D04H 1/488 (2012.01) D04H 1/49 (2012.01) D04H 1/541 (2012.01) D04H 1/542 (2012.01) D04H 1/544 (2012.01) D04H 1/55 (2012.01) A24B 13/00 (2006.01) B65D 65/46 (2006.01) B65D 85/804 (2006.01) D21H 13/08 (2006.01) D21H 13/24 (2006.01) D21H 17/34 (2006.01) D21H 25/04 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **A PACKAGING MATERIAL AND A POUCHED PRODUCT FOR ORAL USE**
[54] **MATERIAU D'EMBALLAGE ET PRODUIT EN SACHET POUR UTILISATION PAR VOIE ORALE**
[72] ELFSTRAND, ANDREAS, SE
[72] BODIN, CRISTIAN, SE
[71] SWEDISH MATCH NORTH EUROPE AB, SE
[85] 2022-11-23
[86] 2021-05-25 (PCT/EP2021/063799)
[87] (WO2021/244892)
[30] SE (2050639-0) 2020-06-03

[21] **3,184,528**
[13] A1

[51] **Int.Cl. A61F 2/14 (2006.01) A61K 9/00 (2006.01) A61L 27/36 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **NEW DRUG DELIVERY SYSTEM FOR OPHTHALMIC USE**
[54] **NOUVEAU SYSTEME D'ADMINISTRATION DE MEDICAMENT DESTINE A L'USAGE OPHTHALMIQUE**
[72] ACERRA, GIUSEPPINA, IT
[72] DETTA, NICOLA, IT
[72] PANDOLFI, ASSUNTA, IT
[72] MASTROPASQUA, LEONARDO, IT
[72] NUBILE, MARIO, IT
[72] MANDATORI, DOMITILLA, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[85] 2022-11-23
[86] 2021-06-09 (PCT/EP2021/065460)
[87] (WO2021/250095)
[30] EP (20179055.7) 2020-06-09

[21] **3,184,534**
[13] A1

[51] **Int.Cl. B29C 44/02 (2006.01) B29C 44/04 (2006.01) B29C 44/08 (2006.01) B29C 45/14 (2006.01) B29C 45/17 (2006.01) B29C 45/26 (2006.01) B65D 1/34 (2006.01) B65D 1/42 (2006.01) B65D 25/14 (2006.01) B65D 25/36 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **CONTAINER AND MANUFACTURE THEREOF**
[54] **RECIPIENT ET FABRICATION DE CELUI-CI**
[72] CLARKE, PETER REGINALD, GB
[72] BOCKING, CHRIS, GB
[71] BOCKATECH LTD, GB
[85] 2022-11-23
[86] 2021-07-16 (PCT/EP2021/070043)
[87] (WO2022/017987)
[30] GB (2011345.2) 2020-07-22
[30] GB (2017812.5) 2020-11-11
[30] GB (2017813.3) 2020-11-11

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] 3,183,619 [13] A1	[21] 3,183,752 [13] A1	[21] 3,183,802 [13] A1
<p>[51] Int.Cl. A61M 16/06 (2006.01) A61M 16/00 (2006.01) A61M 16/12 (2006.01)</p> <p>[25] EN</p> <p>[54] CANNULA FOR MINIMIZING DILUTION OF DOSING DURING NITRIC OXIDE DELIVERY</p> <p>[54] CANULE POUR REDUIRE AU MINIMUM LA DILUTION DE DOSAGE PENDANT L'ADMINISTRATION DE MONOXYDE D'AZOTE</p> <p>[72] FLANAGAN, CRAIG, US</p> <p>[72] FREED, SIMON, US</p> <p>[72] KLAUS, JOHN, US</p> <p>[72] KOHLMANN, THOMAS, US</p> <p>[72] MEGLIASSON, MARTIN, D., US</p> <p>[72] NAIDU, MANESH, US</p> <p>[72] SHAH, PARAG, US</p> <p>[71] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE</p> <p>[22] 2013-12-04</p> <p>[41] 2014-06-12</p> <p>[62] 2,892,398</p> <p>[30] US (61/733,134) 2012-12-04</p> <p>[30] US (61/784,238) 2013-03-14</p> <p>[30] US (61/856,367) 2013-07-19</p>	<p>[25] EN</p> <p>[54] FLUID CONNECTOR ASSEMBLY</p> <p>[54] ENSEMBLE DE RACCORD DE FLUIDE</p> <p>[72] GRANT, KEVIN L., US</p> <p>[72] DEMERS, JASON A., US</p> <p>[72] TRACEY, BRIAN D., US</p> <p>[72] KAMEN, DEAN, US</p> <p>[72] LANIGAN, RICHARD J., US</p> <p>[72] LANIER, GREGORY R., JR., US</p> <p>[72] FOO, BRIGHT, C. K., US</p> <p>[72] PANNETON, LISA A., US</p> <p>[72] SOLDAU, THOMAS F., US</p> <p>[72] FICHERA, STEPHEN L., US</p> <p>[72] CANNAN, DAVID D. B., US</p> <p>[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US</p> <p>[22] 2014-07-03</p> <p>[41] 2015-01-08</p> <p>[62] 2,914,975</p> <p>[30] US (61/842,449) 2013-07-03</p>	<p>[25] EN</p> <p>[54] SYSTEMS, METHODS, AND DEVICES FOR MONITORING AND TREATMENT OF TISSUES WITHIN AND/OR THROUGH A LUMEN WALL</p> <p>[54] SYSTEMES, PROCEDES ET DISPOSITIFS DE SURVEILLANCE ET DE TRAITEMENT DE TISSUS A L'INTERIEUR ET/OU A TRAVERS UNE PAROI DE LUMIERE</p> <p>[72] TOTH, LANDY, US</p> <p>[72] MARTIN, ROY, US</p> <p>[71] AUTONOMIX MEDICAL, INC., US</p> <p>[22] 2013-10-31</p> <p>[41] 2014-05-08</p> <p>[62] 2,889,674</p> <p>[30] US (61/722,264) 2012-11-05</p>
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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,184,273**
[13] A1

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[25] EN
[54] **METHOD OF REMOVING DEBLOCKING ARTIFACTS**
[54] **PROCEDE D'ELIMINATION D'ARTEFACTS DE DEBLOCAGE**
[72] JANG, MIN, KR
[71] GENSQUARE LLC, KR
[22] 2013-01-08
[41] 2013-07-18
[62] 3,090,775
[30] KR (10-2012-0002597) 2012-01-09

[21] **3,184,315**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E04H 7/22 (2006.01)**
[25] EN
[54] **CHASSIS AND SUPPORT STRUCTURE ALIGNMENT**
[54] **ALIGNEMENT DE STRUCTURE DE CHASSIS ET DE SUPPORT**
[72] PHAM, HAU NGUYEN-PHUC, US
[71] LIBERTY OILFIELD SERVICES LLC, US
[22] 2014-12-11
[41] 2015-06-12
[62] 2,874,405
[30] US (61/915,283) 2013-12-12
[30] US (14/565,108) 2014-12-09

[21] **3,184,377**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING OFFERS FROM TOKENIZED CONTACTLESS PAYMENTS**
[54] **SYSTEMES ET METHODES POUR GENERER DES OFFRES A PARTIR DE PAIEMENTS SANS CONTACT MIS EN JETONS**
[72] NICZYPORUK, JANUSZ MICHAEL, US
[72] POOLE, THOMAS S., US
[72] MORETON, PAUL YOUNG, US
[71] CAPITAL ONE FINANCIAL CORPORATION, US
[22] 2014-12-18
[41] 2015-06-25
[62] 2,934,342
[30] US (14/132,508) 2013-12-18

[21] **3,184,455**
[13] A1

[51] **Int.Cl. A01C 1/00 (2006.01) A01C 1/06 (2006.01)**
[25] EN
[54] **RETAIL POINT SEED TREATMENT SYSTEMS AND METHODS**
[54]
[72] REINECCUIS, GREG, A., US
[72] VAN DER WESTHUIZEN, JACO, ERNEST, US
[72] GEISS, ALAN, W., US
[72] MAY, BRADLEY, W., US
[72] RAMANARAYANAN, THARACAD, S., US
[72] ANDRIEUX, MARC, JEAN-MARIE, US
[71] BAYER CROPSCIENCE LP, US
[22] 2011-12-08
[41] 2012-06-14
[62] 2,820,292
[30] US (61/421,030) 2010-12-08
[30] US (61/469,370) 2011-03-30
[30] US (61/469,432) 2011-03-30
[30] US (61/553,711) 2011-10-31
[30] US (61/553,692) 2011-10-31
[30] US (13/314,148) 2011-12-07

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[13] A1

[25] EN
[54] **LUMINAIRE WITH ADAPTER COLLAR**
[54] **LUMINAIRE AVEC COLLERETTE D'ADAPTATEUR**
[72] ADAMS, VINCENT, US
[72] SMITH, BRENT JAMES, US
[72] SIEFKER, LUKE JONATHAN, US
[71] ABL IP HOLDING LLC, US
[22] 2019-03-29
[41] 2019-09-30
[62] 3,114,504
[30] US (62/650,366) 2018-03-30

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HILLS, RICHARD ARNOLD	3,053,066	IMMUSOFT CORPORATION	2,906,674	AND DESIGN INSTITUTE	
HINOSHITA, KEITA	2,930,161	IMPLANTICA PATENT LTD.	3,010,361	FOR ENERGY	
HIROKAWA, TOSHIYASU	3,066,212	INA, KANAKO	3,120,254	TECHNOLOGIES	
HIRONIWA, NAOKA	2,943,943	INABA, NORIYASU	3,054,258	ATOMPROEKT	3,066,162
HOCKRIDGE, BRUCE	3,112,238	INDUSTRIE BORIA S.P.A	2,972,201	JONES, NICHOLAS WILLIAM	3,028,557
HODEL, JEREMY	3,110,431	INFINITY		JONES, SUSAN R.	3,022,593
HODGSON, KIM	2,941,532	PHARMACEUTICALS,		JUNE, CARL H.	2,878,862
HOEKSTRA, WILLIAM J.	3,006,469	INC.	2,925,944	JUNGKLAUS, MATTHEW W.	2,982,323
HOFFMAN, MICHAEL	2,943,836	INMOLD A/S	2,978,364	JVC KENWOOD	
HOIST FITNESS SYSTEMS,		INNES, ROGER A.	2,966,747	CORPORATION	3,092,494
INC.	3,112,238	INNOVATIVE TRAUMA CARE,		KABUSHIKI KAISHA TOYOTA	
HOLLINGSHEAD, JUDITH		INC.	2,933,406	JIDOSHOKKI	3,096,645
ANN	2,959,434	INSTITUT D'INVESTIGACIO		KADAMBI, ACHUTA	3,109,406
HOLLINGSWORTH, JUSTIN		BIOMEDICA DE		KAHN, DEAN	3,087,972
CRAIG	3,095,742	BELLVITGE (IDIBELL)	2,958,600	KAHOOK, MALIK Y.	2,916,452
HOLLISTER INCORPORATED	3,022,550	INSTITUTO MEXICANO DEL		KAHRAMAN, MEHMET	2,961,605
HOLLISTER INCORPORATED	3,022,593	PETROLEO	3,086,271	KAI, TSUKURU	2,973,610
HOLT CAMP, MATTHEW W.	3,079,670	INTERDIGITAL PATENT		KAJIMOTO, SHUNOSUKE	3,023,582
HOLTZ, RAYMOND	2,976,167	HOLDINGS, INC.	3,067,371	KALBERER, ULRICH	3,012,499
HONEYWELL		INTERVET INTERNATIONAL		KALOS, MICHAEL D.	2,878,862
INTERNATIONAL INC.	2,926,991	B.V.	2,932,567	KALRA, AGASTYA	3,109,406
HONEYWELL		INTUIT INC.	3,052,245	KALVANI IP HOLDINGS, LLC.	3,108,452
INTERNATIONAL INC.	3,043,542	INVESTIGACION TECNICA		KALVANI, BIMAL A.	3,108,452
HONG, STANLEY S.	3,112,069	AVANZADA S.A. DE C.V.	2,970,620	KAM, ANDREW K.	3,100,482
HOOD, ALEXANDER	2,969,795	INVUITY, INC.	2,924,193	KAMEI, YUJI	3,054,542
HOOVER, BRANDON CORY	3,025,155	ISAACS, ROBERT E.	3,036,492	KAMEN, DEAN	3,056,513
HOOVER, TIMOTHY ROBERT	2,909,892	ISCOE, NEIL	3,010,803	KAMINSKYJ, SUSAN G. W.	2,844,711
HOPKINS, CHAD DANIEL	2,961,605	ISHIBASHI, MASAKI	2,990,255	KANAZAWA, ASAKO	2,980,696
HORENZIAK, STEVEN		ISHIDA, MITSUHIRO	3,120,254	KANER, RICHARD B.	2,968,139
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KARABELAS, ARGERIS N.	3,117,855	KRAUSE, JAMES C.	2,909,892	LES SYSTEMES CYBERKAR	3,069,995
KARELLAS, PETER	3,008,648	KREIS, MARK P.	3,043,020	LESAFFRE ET COMPAGNIE	2,978,669
KARUNA THERAPEUTICS, INC.	3,114,623	KRUCKENBERG, CHRISTOPHER A.	3,111,326	LESCARBEAU, ANDRE	2,925,944
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KASKIALA, TONI	3,068,508	KUBOTA CORPORATION	2,978,533	LEUNG, PATRICK	3,112,069
KATOH, SHUNJI	3,114,929	KUCERA, JAROSLAV	3,094,142	LEUTHARDT, ERIC C.	2,904,931
KATTAMURI, SUNDEEP	3,085,051	KUDIRKA, ROMAS ALVYDAS	2,927,806	LEUTHARDT, ERIC C.	2,951,689
KAWAI, YUMIKO	2,819,530	KUKURA, MARC	2,909,257	LEVAND, VICTOR J.	3,091,410
KAWAMURA, KIYOSHI	2,951,619	KUMAKURA, TORU	3,092,494	LEVINE, BRUCE L.	2,878,862
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KELLY, JOHN	2,909,257	KURODA, MAKIKO	2,951,619	LI, DONGMING	3,079,670
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KHAMAR, BAKULESH MAFATLAL	2,828,401	LA MARZOCCO S.R.L.	2,989,089	LI, YU	3,068,643
KIDA, HIROAKI	3,098,108	LACASSE, MARC-ANTOINE	3,030,734	LI, ZHENKUN	3,131,164
KIKUCHI, KENJI	3,114,929	LADNER, ROBERT C.	3,049,612	LIAIS, LUDOVIC	2,972,170
KILIAN, GERD	3,097,639	LAI, JOHN	3,087,087	LIANG, BITAO	2,895,840
KIM, BILLY Y.	3,112,238	LAKSHMINARASIMHAN, PRASANNA	2,933,406	LIBERTY OILFIELD SERVICES LLC	2,941,532
KIM, DANIEL H.	3,004,201	LAKSHMINARAYANAN, KARTHIK	2,909,892	LIFETIME BRANDS, INC.	2,973,197
KIM, EUN SUN	3,095,295	LALLI, JASON D.	2,993,457	LIGETI, MELINDA	3,080,116
KIM, HYEONG MIN	3,100,567	LAM, BRIAN ANDREW	3,006,893	LIGHTSPEED POS INC.	2,948,918
KIM, MIN SUN	3,095,295	LAMBERTSON, MICHAEL C., JR.	3,091,410	LIN, HSIN-JUNG	2,973,197
KIM, SEON-BYEONG	3,099,352	LANGDON, STEPHEN DONALD	3,048,251	LINDBERG, PER LENNART	3,073,555
KIM, SUNG WUK	3,095,295	LANGLOIS, ROBERT	3,139,142	LINN, MICHAEL	3,083,252
KIMURA, NOBUO	3,066,212	LANTHEUS MEDICAL IMAGING, INC.	2,881,001	LINVATEC CORPORATION	3,100,482
KINDWALL, ALEXANDER P.	3,112,069	LANZKRON, PAUL J.	2,972,490	LIONFORGE INDUSTRIES INC.	3,100,586
KING, JENNIFER EILEEN	3,057,367	LAPIERRE, PHILIPPE	2,888,420	LIPKENS, BART	2,935,960
KINSELLA, BRYAN	3,135,382	LARSEN, ATLE NORALF	3,085,558	LIU, DONGBING	2,947,186
KINTNER-MEYER, MICHAEL C.W.	3,033,855	LAULUND, JENS VALENTIN	2,954,011	LIU, JI	3,131,164
KLEINER, MARCUS	2,948,930	LAYNE, JAMES L.	2,976,371	LIU, JUNQIANG	2,974,946
KLEMIN, DENIS	2,911,247	LAZAR, GABOR	2,885,931	LIU, LIAN ZHU	3,074,813
KLINE, JAMES BRADFORD	2,989,637	LAZAROVITS, GEORGE	3,089,053	LIU, PO-CHANG	3,089,152
KMIECIK, KENNETH	3,126,761	LE TIRAN, ARNAUD	3,080,116	LIU, RUI	3,102,278
KNEISSL, JAKOB	3,097,639	LEAFLOOR, ERRON	3,021,731	LIU, TAO	2,925,944
KNOLL, DAVID	2,930,720	LEBLEU, ANNE-CECILE AGNES	2,968,190	LIU, YIBIN	3,089,053
KODDE, EDWARD	2,925,750	LEDFORD, JOHN	3,120,846	LIU, ZHENJIE	2,947,186
KOIZUMI, SHINICHI	2,951,619	LEE, MOON-IL	3,067,371	LIZASOAIN HERNANDEZ, IGNACIO	2,953,020
KOK, RICARDO	2,923,472	LEE, PEI-EN	3,089,152	LOEWEN, JONATHAN S.	3,100,586
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KOMATSU, MAKOTO	2,973,610	LEGZDINS, COLLEEN	2,891,192	LOPER, JOHN	3,126,602
KONOPKA, MAGDA	3,089,053	LEIGH, KATHRYN ANN	2,902,634	LORIMER, KEVIN	3,093,338
KOREA ATOMIC ENERGY RESEARCH INSTITUTE	3,099,352	LELLOUCHE, FRANCOIS	2,709,800	LOVE, LONNIE J.	2,904,931
KOREN, NICHOLAS	3,087,431	LENYSZYN, DAVID ADAM	2,925,921	LOWERY, MICHAEL D.	2,916,452
KORSHIKOV, OLEG	2,884,998	LEPEZ, OLIVIER	3,098,473	LTS LOHMANN THERAPIE- SYSTEME AG	3,083,252
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KOVAL, MICHAEL CAP	3,057,367			LUE, CHING-TAI	3,079,670
KOVALSKY, IGOR	2,972,966			LUGO, CHRIS	2,665,369
KOWA COMPANY, LTD.	2,962,628			LUKINA, ANZHELA VASILEVNA	3,066,162
KOYESS, PHILIPPE	2,888,420			LUO, HEJIA	3,076,271
KOZLOV, VYACHESLAV BORISOVICH	3,066,162			LUPIEN, BENOIT	2,964,130
				LUSS-LUSIS, EDUARD	2,963,945
				LUTHRINGER, REMY HENRI	3,117,855

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LY, NHAT SANG	3,105,422	MCCULLOUGH, TIMOTHY	3,075,070	MKRTCHYAN, GNEL	2,908,238
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MACNAMARA, JOHN GRAHAM	2,998,029	MCLAUGHLIN, JOHN P.	2,907,019	MOLECULAR TARGETING TECHNOLOGIES, INC.	2,949,663
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MADSEN, MIRIAM	3,007,327	MCMAHAN, WILLIAM CHU- HYON	3,057,367	MONSANTO TECHNOLOGY LLC	2,820,512
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MALLALEY, DANIEL	3,040,754	MELLICK, DAVID ALLEN	3,157,297	MORENO, DAVID A.	3,087,972
MALLET, JOSEPH ROBERT WAYNE	2,955,979	MEMORIAL SLOAN- KETTERING CANCER CENTER	2,950,750	MORI, YUJI	2,911,830
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MANGUM, ALLEN M.	3,090,757	MENIN, RUDY	2,978,669	MORRISON, JOHN W.	3,111,326
MAO, BINGQUAN	2,947,186	MENTOR WORLDWIDE LLC	2,943,836	MORRISON, RICHARD THOMAS	3,116,818
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NEUROLUTIONS, INC.	2,951,689	OIWA, TAKEHIRO	3,054,542	PIMENTEL, MARK	2,962,493
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NIEMIEC, AARON	2,981,902	ONO, MITSUNORI	3,098,108	POLLARD, MATHIEU	3,018,628
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NISSAN MOTOR CO., LTD.	3,002,636	OTTE, JOHN F.	2,972,966	PRATT & WHITNEY CANADA CORP.	2,884,998
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TROUTMAN, JONATHAN D.	2,909,892	VENKATARAMAN, KARTIK VENKATESAN, ARANAPAKAM	3,109,406	WEIDE, MIRKO	2,827,405
TRUXEDO, INC.	3,086,962	VERKADE, DREW	3,112,069	WEISSLER, ARIANE	3,087,431
TSCHAMMER, NUSKA	3,067,917	VERNALIS (R&D) LIMITED	3,080,116	WELCH, WILLIAM HUDSON	2,998,029
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2446914 ONTARIO INC.	3,165,343	BRENNAN, GABRIEL	3,165,343	DEMARTIN, PATRICE	3,166,465
2754980 ONTARIO INC.	3,123,523	BRILLON, LOUIS	3,160,894	DI FLORIO, DOMENICO	3,164,949
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BELANGER, NICOLAS	3,145,069	CHENG, TIEN-NI	3,157,366	DACOSTA	3,165,413
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PITCHER, JASON	3,142,098	SAPIJA, DARIUSZ	3,160,882	UNGER, CORNELIA	3,123,431
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PRATT & WHITNEY CANADA CORP.	3,160,894	SCHLEY, MICHAEL KEVIN	3,123,439	WALKER, KEITH	3,166,391
PRATT & WHITNEY CANADA CORP.	3,164,949	SCHRODER, MORITZ	3,164,169	WANG, WENYI	3,148,379
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