



Canadian
Intellectual Property
Office

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Office de la propriété
intellectuelle
du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

du Bureau des brevets



Vol. 150 No. 37 September 13, 2022 Vol. 150 No. 37 le 13 septembre 2022

Canada



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>

Publication date: May 10, 2017

Amendment date: June 17, 2019

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

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

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

14. Procédures de correspondance

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

Lien Web pour le RPBB :

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

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

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

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

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

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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

l'exception des jours fériés

- 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

- 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

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

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

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

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

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

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

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

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

1.2. Registered MailTM and XpresspostTM 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 MailTM and XpresspostTM services of Canada Post are designated establishments or designated offices to which

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

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

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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 MailTM and XpresspostTM 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.

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.

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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 September 13, 2022 contains applications open to public inspection from August 28, 2022 to September 3, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 13 septembre 2022 contient les demandes disponibles au public pour consultation pour la période du 28 août 2022 au 3 septembre 2022.

16. Erratum

All information respecting patent application number 3,160,155 referred to under the section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*, contained in Vol. 150 No. 26 June 28, 2022, in the issue of the *Canadian Patent Office Record*, were erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet numéro 3,160,155 mentionné dans la rubrique *Demandes Canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*, contenues dans le Vol. 150 No 26 du 28 juin 2022, de la gazette du bureau des brevets, ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

September 13, 2022

Brevets canadiens délivrés

13 septembre 2022

[11] **2,535,127**
[13] C
[51] **Int.Cl. C12N 15/44 (2006.01) A61K 39/145 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/86 (2006.01) C12Q 1/70 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **H3 EQUINE INFLUENZA A VIRUS VARIANT H3 DU VIRUS A DE LA GRIPPE EQUINE**
[72] OLSEN, CHRISTOPHER W., US
[72] LANDOLT, GABRIELE A., US
[72] KARASIN, ALEXANDER I., US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[86] (2535127)
[87] (2535127)
[22] 2006-02-02

[11] **2,665,871**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD, SYSTEM, AND COMPUTER PROGRAM FOR PROVIDING A LOYALTY ENGINE FOR AUTOMATED CAUSE MANAGEMENT**
[54] **METHODE, SYSTEME, ET PROGRAMME INFORMATIQUE FOURNISSANT UN MOTEUR DE FIDELITE POUR GESTION AUTOMATISEE DES CAUSES SOCIALES**
[72] TIETZEN, TERRANCE PATRICK, CA
[72] MACKAY, RONALD, CA
[72] YAMAMOTO, TIMOTHY MAKOTO, CA
[73] EDATANETWORKS INC., CA
[86] (2665871)
[87] (2665871)
[22] 2009-05-12
[30] US (12/118,923) 2008-05-12

[11] **2,824,515**
[13] C
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 8/64 (2006.01) A61K 38/20 (2006.01) C07K 7/08 (2006.01) C07K 14/52 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING GAMMA-C-CYTOKINE ACTIVITY**
[54] **COMPOSITIONS ET METHODES DE LA MODULATION DE L'ACTIVITE DES CYTOKINES GAMMA-C**
[72] TAGAYA, YUTAKA, US
[72] AZIMI, NAZLI, US
[73] BIONIZ, LLC, US
[85] 2013-07-11
[86] 2012-01-17 (PCT/US2012/021566)
[87] (WO2012/099886)
[30] US (61/433,890) 2011-01-18
[30] US (61/527,049) 2011-08-24

[11] **2,826,566**
[13] C
[51] **Int.Cl. C07K 16/12 (2006.01) A61K 39/40 (2006.01) A61K 49/00 (2006.01) A61P 17/00 (2006.01) A61P 39/02 (2006.01) C12Q 1/00 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT SPECIFICALLY BIND STAPHYLOCOCCUS AUREUS ALPHA TOXIN AND METHODS OF USE**
[54] **ANTICORPS QUI SE LIENT SPECIFIQUEMENT A L'ALPHA TOXINE DE STAPHYLOCOCCUS AUREUS ET LEURS PROCEDES D'UTILISATION**
[72] SELLMAN, BRET R., US
[72] TKACZYK, CHRISTINE J., US
[72] HUA, LEI, US
[72] CHOWDHURY, PARTHA, US
[72] VARKEY, REENA M., US
[72] DAMSCHRODER, MELISSA, US
[72] PENG, LI, US
[72] OGANESYAN, VAHEH, US
[72] HILLIARD, JAMESE JOHNSON, US
[73] MEDIMMUNE, LLC, US
[85] 2013-08-02
[86] 2012-02-07 (PCT/US2012/024201)
[87] (WO2012/109285)
[30] US (61/440,581) 2011-02-08

**Canadian Patents Issued
September 13, 2022**

[11] **2,848,604**
[13] C

[51] **Int.Cl. C07D 209/14 (2006.01) A61K 31/395 (2006.01) A61K 31/404 (2006.01) A61K 31/4178 (2006.01) A61K 31/4184 (2006.01) A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/498 (2006.01) A61K 31/506 (2006.01) A61K 31/5383 (2006.01) A61P 31/14 (2006.01) C07D 231/56 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 403/10 (2006.01) C07D 403/12 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 409/06 (2006.01) C07D 409/12 (2006.01) C07D 413/06 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 495/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN
[54] **VIRAL REPLICATION INHIBITORS**
[54] **INHIBITEURS DE REPLICATION VIRALE**

[72] BARDIOT, DOROTHEE, BE
[72] CARLENS, GUNTER, BE
[72] DALLMEIER, KAI, BE
[72] KAPTEIN, SUZANNE, BE
[72] MCNAUGHTON, MICHAEL, BE
[72] MARCHAND, ARNAUD, BE
[72] NEYTS, JOHAN, BE
[72] SMETS, WIM, BE
[72] KOUKNI, MOHAMED, BE
[73] KATHOLIEKE UNIVERSITEIT LEUVEN, BE

[85] 2014-03-13
[86] 2012-09-26 (PCT/EP2012/069007)
[87] (WO2013/045516)
[30] GB (1116559.4) 2011-09-26
[30] US (61/626,410) 2011-09-26

[11] **2,851,172**
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01) G05B 9/00 (2006.01)**

[25] EN
[54] **SYSTEM FOR MONITORING SAFETY PROTOCOLS**
[54] **SYSTEME DE SURVEILLANCE DE PROTOCOLES DE SECURITE**

[72] BINGHAM, KEN, CA
[73] ACM RISK SCIENCES & DEVELOPMENT INC., CA

[85] 2014-04-04
[86] 2011-10-12 (PCT/CA2011/050638)
[87] (WO2013/053037)

[11] **2,854,727**
[13] C

[51] **Int.Cl. B23P 6/00 (2006.01) F01D 5/12 (2006.01)**

[25] EN
[54] **METHOD FOR REPAIRING A BLADE**
[54] **METHODE DE REPARATION D'UNE LAME**

[72] WARIKOO, RAMAN, CA
[72] BALIKE, KRISHNA PRASAD, CA
[73] PRATT & WHITNEY CANADA CORP., CA

[86] (2854727)
[87] (2854727)
[22] 2014-06-18
[30] US (61/838,022) 2013-06-21

[11] **2,860,034**
[13] C

[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/103 (2006.01) G02C 7/02 (2006.01) A61B 3/18 (2006.01)**

[25] FR
[54] **DETERMINING AN OBJECTIVE EYE REFRACTION PARAMETER OF A SUBJECT DEPENDING ON GAZE DIRECTIONS**
[54] **DETERMINATION D'UN PARAMETRE DE REFRACTION OCULAIRE OBJECTIVE D'UN SUJET EN FONCTION DE DIRECTIONS D'UN REGARD**

[72] BARANTON, KONOGAN, FR
[72] DIVO, FABIEN, FR
[72] ESCALIER, GUILHEM, FR
[72] HERNANDEZ-CASTANEDA, MARTHA, FR
[72] MARIN, GILDAS, FR
[72] OURIVES, PEDRO, FR
[72] ROUSSEAU, BENJAMIN, FR
[73] ESSILOR INTERNATIONAL, FR

[85] 2014-06-20
[86] 2012-12-20 (PCT/FR2012/053033)
[87] (WO2013/093363)
[30] FR (FR1104035) 2011-12-22

[11] **2,869,771**
[13] C

[51] **Int.Cl. F24F 13/32 (2006.01) F04D 25/06 (2006.01) F04D 25/08 (2006.01) F04D 29/64 (2006.01) F24F 7/007 (2006.01) H04R 5/02 (2006.01)**

[25] EN
[54] **SPEAKER FAN SYSTEM AND METHOD**
[54] **MECANISME DE VENTILATEUR AVEC HAUT-PARLEUR ET METHODE**

[72] KARST, DANIEL L., US
[72] PUFFER, BENJAMIN THORPE, US
[72] COFFEY, BRENT ELLIOTT, US
[73] BROAN-NUTONE LLC, US

[86] (2869771)
[87] (2869771)
[22] 2014-11-05
[30] US (61/900,281) 2013-11-05

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,871,557**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE EVENT DP-004114-3 AND METHODS FOR DETECTION THEREOF**
[54] **EVENEMENT DP-004114-3 DU MAIS, ET PROCEDES DE DETECTION CORRESPONDANTS**
[72] ALARCON, CLARA M., US
[72] HARMON, MATTHEW C., US
[72] PASCUAL, MARIA ALEJANDRA, US
[72] REGISTER, JAMES C., III, US
[72] SCELONGE, CHRISTOPHER J., US
[72] YOUNG, JOSHUA K., US
[72] ZHONG, CATHY XIAOYAN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[73] E. I. DUPONT DE NEMOURS & COMPANY, US
[85] 2014-10-24
[86] 2013-03-28 (PCT/US2013/034374)
[87] (WO2013/149018)
[30] US (61/617,990) 2012-04-24

[11] **2,871,778**
[13] C

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/10 (2006.01) A61K 9/51 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL NANOPARTICLES SHOWING IMPROVED MUCOSAL TRANSPORT**
[54] **NANOPARTICULES PHARMACEUTIQUES PERMETTANT UN TRANSPORT MUQUEUX AMELIORE**
[72] POPOV, ALEXEY, US
[72] ENLOW, ELIZABETH M., US
[72] BOURASSA, JAMES, US
[72] GARDNER, COLIN R., US
[72] CHEN, HONGMING, US
[72] ENSIGN, LAURA M., US
[72] LAI, SAMUEL K., US
[72] YU, TAO, US
[72] HANES, JUSTIN, US
[72] YANG, MING, US
[73] KALA PHARMACEUTICALS, INC., US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2014-10-27
[86] 2013-05-03 (PCT/US2013/039467)
[87] (WO2013/166385)
[30] US (61/642,227) 2012-05-03

[11] **2,875,386**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY FORMULATION**
[54] **FORMULATION D'ANTICORPS**
[72] COSENZA, MARTA, CH
[72] STARK, CHRISTOPH, CH
[73] NOVARTIS AG, CH
[85] 2014-12-01
[86] 2013-06-11 (PCT/IB2013/054777)
[87] (WO2013/186700)
[30] US (61/658,472) 2012-06-12

[11] **2,876,636**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/28 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **FIXED DOSAGE REGIMENS FOR ANTI-TYPE I INTERFERON RECEPTOR (IFNAR) ANTIBODIES**
[54] **REGIMES POSOLOGIQUES FIXES POUR DES ANTICORPS DIRIGES CONTRE UN RECEPTEUR ANTI-INTERFERON DE TYPE I (IFNAR)**
[72] HIGGS, BRANDON, US
[72] YAO, YIHONG, US
[72] WANG, BING, US
[72] ROSKOS, LORIN, US
[72] CHANG, LINDA, US
[73] ASTRAZENECA AB, SE
[85] 2014-12-12
[86] 2013-06-12 (PCT/US2013/045327)
[87] (WO2013/188494)
[30] US (61/659,138) 2012-06-13

[11] **2,876,968**
[13] C

[51] **Int.Cl. A61K 31/565 (2006.01) A61K 9/48 (2006.01) A61K 47/14 (2017.01) A61P 15/02 (2006.01)**
[25] EN
[54] **SOLUBLE ESTRADIOL CAPSULE FOR VAGINAL INSERTION**
[54] **CAPSULE D'ESTRADIOL SOLUBLE POUR INSERTION VAGINALE**
[72] BERNICK, BRIAN A., US
[72] AMADIO, JULIA M., US
[72] PERSICANER, PETER H. R., US
[72] THORSTEINSSON, THORSTEINN, US
[72] CACACE, JANICE LOUISE, US
[72] SANCILIO, FREDERICK D., US
[72] IRANI, NEDA, US
[73] THERAPEUTICSMD, INC., US
[85] 2014-12-16
[86] 2013-06-18 (PCT/US2013/046443)
[87] (WO2013/192249)
[30] US (61/745,313) 2012-12-21

[11] **2,880,236**
[13] C

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/51 (2006.01) A61K 31/473 (2006.01)**
[25] EN
[54] **EFFLUX INHIBITOR COMPOSITIONS AND METHODS OF TREATMENT USING THE SAME**
[54] **COMPOSITIONS INHIBITRICES D'ECOULEMENT ET METHODES DE TRAITEMENT A L'AIDE DE CELLES-CI**
[72] BUNT, ANTONIUS MARTINUS GUSTAVE, US
[72] VAN TELLINGEN, OLAF, NL
[73] IZUMI TECHNOLOGY, LLC, US
[85] 2015-01-27
[86] 2013-07-26 (PCT/US2013/052402)
[87] (WO2014/018932)
[30] US (61/676,689) 2012-07-27

**Canadian Patents Issued
September 13, 2022**

[11] **2,883,994**
[13] C

[51] **Int.Cl. B65F 1/14 (2006.01) B65D 43/26 (2006.01)**
[25] EN
[54] **TRASH CAN ASSEMBLY**
[54] **ENSEMBLE DE POUBELLE**
[72] YANG, FRANK, US
[72] SANDOR, JOSEPH, US
[72] CHANG, DI-FONG, US
[73] SIMPLEHUMAN, LLC, US
[86] (2883994)
[87] (2883994)
[22] 2015-03-04
[30] US (61/953,485) 2014-03-14
[30] US (61/983,305) 2014-04-23

[11] **2,884,984**
[13] C

[51] **Int.Cl. G05F 1/14 (2006.01)**
[25] EN
[54] **VOLTAGE REGULATION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE REGULATION DE LA TENSION**
[72] PETERSEN, MARK, CA
[72] THOMSON, JONATHAN STEWART, CA
[73] LEGEND POWER SYSTEMS INC., CA
[86] (2884984)
[87] (2884984)
[22] 2015-03-13
[30] US (14/644,655) 2015-03-11

[11] **2,885,397**
[13] C

[51] **Int.Cl. B60L 5/00 (2006.01)**
[25] FR
[54] **POWER SUPPLY SYSTEM FOR UNGUIDED ELECTRIC VEHICLES THROUGH THE GROUND**
[54] **SYSTEME D'ALIMENTATION PAR LE SOL POUR VEHICULES ELECTRIQUES NON GUIDES**
[72] HOURTANE, JEAN-LUC, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES, FR
[86] (2885397)
[87] (2885397)
[22] 2015-03-13
[30] FR (14 52527) 2014-03-25

[11] **2,885,413**
[13] C

[51] **Int.Cl. H04W 40/04 (2009.01) H04B 7/204 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION**
[72] HALEY, DAVID VICTOR LAWRIE, AU
[72] BUETEFUER, JOHN LAWRENCE, AU
[72] GRANT, ALEXANDER JAMES, AU
[72] COWLEY, WILLIAM GEORGE, AU
[72] LECHNER, GOTTFRIED, AU
[72] LAND, INGMAR RUDIGER, AU
[72] MCKILLIAM, ROBERT GEORGE, AU
[72] POLLOK, ANDRE, AU
[72] DAVIS, LINDA MARY, AU
[72] LUPPINO, RICKY ROCCO, AU
[72] BARBULESCU, SORIN ADRIAN, AU
[73] MYRIOTA PTY LTD, AU
[85] 2015-03-19
[86] 2013-09-20 (PCT/AU2013/001078)
[87] (WO2014/043760)
[30] AU (2012904130) 2012-09-21

[11] **2,886,429**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) G06Q 10/10 (2012.01) G06F 3/14 (2006.01) G06T 1/60 (2006.01) G06T 9/00 (2006.01) G06T 11/20 (2006.01)**
[25] EN
[54] **METHOD FOR PARTITIONING, MANAGING AND DISPLAYING A COLLABORATION SPACE AND INTERACTIVE INPUT SYSTEM EMPLOYING SAME**
[54] **METHODE DE PARTITION, GESTION ET AFFICHAGE D'UN ESPACE DE COLLABORATION ET SYSTEME D'ENTREE INTERACTIF EN FAISANT USAGE**
[72] XIN, MIN, CA
[73] SMART TECHNOLOGIES ULC, CA
[86] (2886429)
[87] (2886429)
[22] 2015-03-26
[30] US (61/971617) 2014-03-28

[11] **2,891,754**
[13] C

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 38/095 (2019.01) A61K 31/196 (2006.01) A61K 31/7088 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **MODULATORS OF INTRACELLULAR CHLORIDE CONCENTRATION FOR TREATING FRAGILE X SYNDROME**
[54] **MODULATEURS DE LA CONCENTRATION EN CHLORURE INTRACELLULAIRE POUR LE TRAITEMENT DU SYNDROME DU X FRAGILE**
[72] BEN-ARI, YEHEZKEL, FR
[72] LEMONNIER, ERIC, FR
[72] BURNASHEV, NAIL, FR
[72] TYZIO, ROMAN, FR
[73] NEUROCHLORE, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE AIX-MARSEILLE, FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE BREST, FR
[85] 2015-05-15
[86] 2013-11-15 (PCT/EP2013/073942)
[87] (WO2014/076235)
[30] EP (12193087.9) 2012-11-16
[30] US (61/727,235) 2012-11-16

[11] **2,893,227**
[13] C

[51] **Int.Cl. H02G 3/06 (2006.01) H02G 3/04 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **FIELD SERVICEABLE CONDUIT RECEIVERS**
[54] **RECEPTEURS DE CONDUIT REPARABLES SUR PLACE**
[72] MANAHAN, JOSEPH MICHAEL, US
[72] MORSE, BRADFORD JAMES, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2893227)
[87] (2893227)
[22] 2015-05-29
[30] US (14/299,969) 2014-06-09

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,893,247**
[13] C

[51] **Int.Cl. F23R 3/28 (2006.01) F02C 7/22 (2006.01) F23D 11/00 (2006.01) F23D 11/12 (2006.01) F23D 11/38 (2006.01)**

[25] EN
[54] **FUEL NOZZLE**
[54] **BUSE DE CARBURANT**
[72] HAWIE, EDUARDO DAVID, CA
[72] DAVENPORT, NIGEL, CA
[72] WANG, YEN-WEN, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2893247)
[87] (2893247)
[22] 2015-05-29
[30] US (14/494,872) 2014-09-24

[11] **2,893,727**
[13] C

[51] **Int.Cl. G08G 1/09 (2006.01) E01F 9/60 (2016.01) F16G 11/00 (2006.01)**

[25] EN
[54] **TRAFFIC SIGNAL MOUNTING BRACKET**
[54] **SUPPORT D'INSTALLATION DE SIGNAL DE CIRCULATION**
[72] HILL, JAYSON ALAN, CA
[72] HALAR, MLADEN, CA
[73] TRAFFIC HARDWARE + DESIGN INC., CA
[86] (2893727)
[87] (2893727)
[22] 2015-06-04
[30] US (62/076,820) 2014-11-07

[11] **2,895,020**
[13] C

[51] **Int.Cl. F42B 12/34 (2006.01) F42B 12/78 (2006.01)**

[25] EN
[54] **IMPROVED HOLLOW POINT BULLET**
[54] **BALLE A POINTE CREUSE AMELIOREE**
[72] MASINELLI, KYLE A., US
[73] OLIN CORPORATION, US
[86] (2895020)
[87] (2895020)
[22] 2015-06-16
[30] US (14/307,476) 2014-06-17

[11] **2,895,128**
[13] C

[51] **Int.Cl. A01N 33/18 (2006.01) A01N 33/22 (2006.01)**

[25] EN
[54] **HERBICIDAL COMPOSITION CONTAINING ACLONIFEN, PENDIMETHALIN AND DIFLUFENICAN**
[54] **HERBICIDES CONTENANT DE L'ACLONIFENE, DE LA PENDIMETHALINE ET DU DIFLUFENICANIL**
[72] SCHREIBER, DOMINIQUE, FR
[72] WILDE, THOMAS, DE
[72] BRUGGEMANN, DIRK, DE
[73] BAYER CROSCIENCE AG, DE
[85] 2015-06-15
[86] 2013-12-13 (PCT/EP2013/076528)
[87] (WO2014/095623)
[30] DE (10 2012 223 501.9) 2012-12-18

[11] **2,897,241**
[13] C

[51] **Int.Cl. B22F 3/16 (2006.01)**

[25] EN
[54] **METHOD OF FORMING GREEN PART AND MANUFACTURING METHOD USING SAME**
[54] **METHODE DE FORMATION D'UNE PARTIE VERTE ET METHODE DE FABRICATION ASSOCIEE**
[72] CAMPOMANES, MARC, CA
[72] SCALZO, ORLANDO, CA
[72] FOURNIER, JEAN, CA
[72] POITRAS, GUILLAUME, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2897241)
[87] (2897241)
[22] 2015-07-10
[30] US (62/026,989) 2014-07-21
[30] US (14/479,738) 2014-09-08

[11] **2,899,627**
[13] C

[51] **Int.Cl. A01N 63/22 (2020.01) A01N 61/00 (2006.01) A01N 63/00 (2020.01) C12N 1/20 (2006.01)**

[25] EN
[54] **SYNERGISTIC COMPOSITIONS COMPRISING A BACILLUS SUBTILIS STRAIN AND A PESTICIDE**
[54] **COMPOSITIONS SYNERGIQUES COMPRENANT UNE SOUCHE DE BACILLUS SUBTILIS ET UN PESTICIDE**
[72] SEEVERS, KURT, US
[72] REINOT, EDA, US
[72] JABS, THORSTEN, DE
[73] BASF CORPORATION, US
[85] 2015-07-28
[86] 2014-03-14 (PCT/IB2014/059783)
[87] (WO2014/147534)
[30] EP (13160219.5) 2013-03-20

[11] **2,901,372**
[13] C

[51] **Int.Cl. B21K 1/46 (2006.01) B21C 25/02 (2006.01) B21C 25/06 (2006.01) B21J 13/02 (2006.01)**

[25] EN
[54] **SYSTEM AND METHOD OF PRODUCING MINE ROOF BOLTS**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE BOULONS DE TOIT DE MINE**
[72] BRANDON, MARK M., US
[72] BRANDON, DEMREY G., US
[72] FEYRER, JOHN DANIEL, US
[72] MCGINNIS, ROBERT, US
[72] PONCE, STANLEY JAMES, US
[72] SLIGAR, ALLEN W., US
[73] DSI UNDERGROUND IP HOLDINGS LUXEMBOURG S.A R.L., LU
[85] 2015-08-13
[86] 2014-03-10 (PCT/US2014/022349)
[87] (WO2014/164407)
[30] US (61/776,010) 2013-03-11

**Canadian Patents Issued
September 13, 2022**

[11] **2,901,518**
[13] C

[51] **Int.Cl. C12N 15/18 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 14/71 (2006.01) C07K 16/28 (2006.01) C12N 15/12 (2006.01) G01N 33/566 (2006.01)**

[25] EN

[54] **A NOVEL EGFR VARIANT**

[54] **NOUVEAU VARIANT EGFR**

[72] SKOG, JOHAN KARL OLOV, US

[72] BERGHOFF, EMILY, US

[72] LOGUIDICE, LORI, US

[73] EXOSOME DIAGNOSTICS, INC., US

[85] 2015-08-14

[86] 2014-02-14 (PCT/US2014/016536)

[87] (WO2014/127266)

[30] US (61/765,537) 2013-02-15

[11] **2,902,388**
[13] C

[51] **Int.Cl. G06F 3/0484 (2022.01) G06F 3/0481 (2022.01) H04W 4/21 (2018.01) H04W 4/30 (2018.01) G06F 3/14 (2006.01)**

[25] EN

[54] **UNDERLYING MESSAGE METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE MESSAGE SOUS-JACENT**

[72] DI GIOVANNI, ALIDO, CA

[73] SUMMIT-TECH MULTIMEDIA COMMUNICATIONS INC., CA

[85] 2015-08-25

[86] 2014-02-25 (PCT/CA2014/000144)

[87] (WO2014/127465)

[30] US (61/769,169) 2013-02-25

[11] **2,903,005**
[13] C

[51] **Int.Cl. B60R 21/16 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PREVENTING FALL-RELATED INJURIES**

[54] **PROCEDE ET METHODE DE PREVENTION DE BLESSURES ATTRIBUABLES A UNE CHUTE**

[72] ARZANPOUR, SIAMAK S.A., CA

[72] SOLEIMANI, MARYAM M.S., CA

[72] ABOONABI, ARINA A.A., CA

[73] MOBISAFE SYSTEMS INC., CA

[86] (2903005)

[87] (2903005)

[22] 2015-09-03

[30] US (62/047,006) 2014-09-07

[11] **2,908,773**
[13] C

[51] **Int.Cl. C09K 8/34 (2006.01)**

[25] EN

[54] **DRILLING FLUID AND PROCESS OF MAKING THE SAME**

[54] **FLUIDE DE FORAGE ET SON PROCEDE DE FABRICATION**

[72] DEAN, GEORGIA, US

[72] BAGHERI, VAHID, US

[73] INEOS USA LLC, US

[85] 2015-10-19

[86] 2015-05-04 (PCT/US2015/029004)

[87] (WO2015/171482)

[30] US (61/990,371) 2014-05-08

[11] **2,910,887**
[13] C

[51] **Int.Cl. B60D 1/64 (2006.01)**

[25] EN

[54] **TRAILER COUPLING DEVICE FOR MOTOR VEHICLES**

[54] **DISPOSITIF DE RACCORDEMENT DE REMORQUE POUR VEHICULES A MOTEUR**

[72] RIMMELSPACHER, BERNHARD, DE

[72] KADNIKOV, ALEKSEJ, DE

[72] GENTNER, WOLFGANG, DE

[73] ACPS AUTOMOTIVE GMBH, DE

[86] (2910887)

[87] (2910887)

[22] 2015-10-30

[30] DE (10 2014 116 000.2) 2014-11-03

[11] **2,912,408**
[13] C

[51] **Int.Cl. B29C 70/62 (2006.01) A47B 96/20 (2006.01)**

[25] EN

[54] **PLASTICS-BASED MANUFACTURED ARTICLE AND PROCESS FOR FORMING**

[54] **ARTICLE MANUFACTURE A BASE DE PLASTIQUE ET PROCEDE DE FORMATION ASSOCIE**

[72] BIRCHMEIER, BRETT, US

[72] MCBRIDE, RICHARD, US

[73] EOVACTIONS, LLC, US

[85] 2015-11-12

[86] 2014-05-21 (PCT/US2014/038936)

[87] (WO2014/190033)

[30] US (61/826,120) 2013-05-22

[11] **2,917,771**
[13] C

[51] **Int.Cl. F16L 3/08 (2006.01) F16L 3/10 (2006.01) F16L 3/12 (2006.01)**

[25] EN

[54] **PIPE HOLDER AND SUPPORT**

[54] **DISPOSITIF DE MAINTIEN DE TUYAU ET SUPPORT**

[72] BREDA, VICTOR A., CA

[73] BREDA, VICTOR A., CA

[86] (2917771)

[87] (2917771)

[22] 2016-01-18

[11] **2,917,863**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01)**

[25] EN

[54] **SOYBEAN CULTIVAR AR1215506**

[54] **CULTIVAR DE SOYA AR1215506**

[72] MCCLURE, DONALD B., CA

[72] LEE, DAVID S., CA

[72] DELHEIMER, JACOB CHARLES, US

[73] SYNGENTA PARTICIPATIONS AG, CH

[86] (2917863)

[87] (2917863)

[22] 2016-01-18

[30] US (14/641,310) 2015-03-07

[11] **2,918,798**
[13] C

[51] **Int.Cl. G16H 20/10 (2018.01) G06Q 30/02 (2012.01) G16H 10/60 (2018.01) G06Q 40/08 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR INCREASING PATIENT ADHERENCE TO MEDICATION TREATMENT REGIMENS**

[54] **SYSTEME ET PROCEDE POUR ACCROITRE UNE CONFORMITE DE PATIENT A DES REGIMES DE TRAITEMENT DE MEDICAMENT**

[72] CRESWELL, CHRISTOPHER, US

[72] BRYLAWSKI, BRANDON, US

[72] HOU, YIXIN, US

[72] CURTIS, ANDREW, US

[72] DAI, WEIZHEN, US

[72] TAYAL, KAMAL, US

[72] TANG, ZILONG, US

[72] AUER, RICHARD, US

[73] DRFIRST.COM, INC., US

[85] 2016-01-19

[86] 2014-07-26 (PCT/US2014/048330)

[87] (WO2015/013695)

[30] US (13/952,366) 2013-07-26

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,919,951**
[13] C

[51] **Int.Cl. H02M 1/00 (2007.10) H04W 4/12 (2009.01) H04W 84/10 (2009.01) H02M 7/42 (2006.01) H05K 7/20 (2006.01)**

[25] EN
[54] **INVERTER DEVICE**
[54] **DISPOSITIF INVERSEUR**
[72] GONG, SHIQUAN, CN
[72] ZHANG, JIANXING, CN
[73] NEW FOCUS LIGHTING & POWER TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2016-02-04
[86] 2014-11-13 (PCT/CN2014/090986)
[87] (WO2016/074189)
[30] CN (201410629218.3) 2014-11-10

[11] **2,920,562**
[13] C

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 43/80 (2006.01) A01N 43/90 (2006.01) A01N 47/36 (2006.01) A01N 47/38 (2006.01) A01P 13/00 (2006.01)**

[25] EN
[54] **TERNARY HERBICIDE COMBINATIONS COMPRISING TWO SULFONYLUREAS**
[54] **COMBINAISONS D'HERBICIDES TERNAIRES CONTENANT DEUX SULFONYLUREES**
[72] ZOLLKAU, ACHIM, DE
[72] SCHREIBER, DOMINIQUE, FR
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2016-02-05
[86] 2014-08-05 (PCT/EP2014/066777)
[87] (WO2015/018812)
[30] EP (13179813.4) 2013-08-09

[11] **2,920,887**
[13] C

[51] **Int.Cl. H02M 7/5387 (2007.01) H02J 1/12 (2006.01) H02J 9/00 (2006.01) H02J 15/00 (2006.01) H02M 7/797 (2006.01)**

[25] EN
[54] **INVERTER CIRCUIT AND DISTRIBUTED POWER SOURCE SYSTEM INCLUDING THE SAME**
[54] **CIRCUIT ONDULEUR ET MECANISME DE SOURCE D'ALIMENTATION DISTRIBUEE COMPORTANT LEDIT CIRCUIT**
[72] SUGIMOTO, HIDEHIKO, JP
[73] DIAMOND&ZEBRA ELECTRIC CO., LTD., JP
[86] (2920887)
[87] (2920887)
[22] 2016-02-11
[30] JP (2015-029581) 2015-02-18

[11] **2,922,942**
[13] C

[51] **Int.Cl. C01B 32/00 (2017.01) H01M 8/0234 (2016.01) C01B 32/05 (2017.01) B01D 53/28 (2006.01) B01J 20/20 (2006.01) B01J 20/28 (2006.01)**

[25] EN
[54] **POROUS CARBON, HUMIDITY CONTROL ADSORBENT, ADSORPTION HEAT PUMP, AND FUEL CELL**
[54] **CARBONE POREUX, ADSORBANT CONTROLANT L'HUMIDITE, POMPE A CHALEUR A ADSORPTION ET PILE A COMBUSTIBLE**
[72] KAWANO, TAKANORI, JP
[72] MORISHITA, TAKAHIRO, JP
[72] ORIKASA, HIRONORI, JP
[73] TOYO TANSO CO., LTD., JP
[85] 2016-03-01
[86] 2014-06-16 (PCT/JP2014/065925)
[87] (WO2015/033643)
[30] JP (2013-184729) 2013-09-06

[11] **2,922,970**
[13] C

[51] **Int.Cl. A61B 18/02 (2006.01) A61B 18/00 (2006.01)**

[25] EN
[54] **ENDOVASCULAR NEAR CRITICAL FLUID BASED CRYOABLATION CATHETER AND RELATED METHODS**
[54] **CATHETER ENDOVASCULAIRE DE CRYOABLATION A BASE DE FLUIDE SOUS-CRITIQUE ET PROCEDES ASSOCIES**
[72] BABKIN, ALEXEI V., US
[72] KOVALCHECK, STEVEN W., US
[72] YU, XIAOYU, US
[73] ADAGIO MEDICAL, INC., US
[85] 2016-03-01
[86] 2014-09-22 (PCT/US2014/056839)
[87] (WO2015/047961)
[30] US (61/881,769) 2013-09-24

[11] **2,923,463**
[13] C

[51] **Int.Cl. C12N 15/54 (2006.01)**

[25] EN
[54] **MOLECULAR MARKERS FOR BLACKLEG RESISTANCE GENE RLM2 IN BRASSICA NAPUS, AND METHODS OF USING THE SAME**
[54] **MARQUEURS MOLECULAIRES DU GENE RLM2 DE RESISTANCE AU CHARBON SYMPTOMATIQUE CHEZ BRASSICA NAPUS ET LEURS PROCEDES D'UTILISATION**
[72] TANG, SHUNXUE, US
[72] ZHAO, JIANWEI, CA
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2016-03-04
[86] 2014-09-08 (PCT/US2014/054537)
[87] (WO2015/038469)
[30] US (61/875,831) 2013-09-10

**Canadian Patents Issued
September 13, 2022**

[11] **2,926,651**
[13] C

[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENCRYPTION KEY MANAGEMENT, FEDERATION AND DISTRIBUTION**
[54] **SYSTEME ET PROCEDE DE GESTION, FEDERATION ET DISTRIBUTION DE CLE DE CHIFFREMENT**
[72] WHITE, CHARLES, US
[72] BRAND, JOSEPH, US
[72] EDWARDS, STEPHEN, US
[73] FORNETIX LLC, US
[85] 2016-04-06
[86] 2014-10-03 (PCT/US2014/059187)
[87] (WO2015/054083)
[30] US (61/887,662) 2013-10-07
[30] US (61/950,362) 2014-03-10

[11] **2,926,788**
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/16 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **DESIGNING WELLBORE COMPLETION INTERVALS**
[54] **CONCEPTION D'INTERVALLES DE COMPLETION DE PUIITS DE FORAGE**
[72] WALTERS, HAROLD GRAYSON, US
[72] LANGENWALTER, RICHARD JAMES, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-04-07
[86] 2013-11-11 (PCT/US2013/069498)
[87] (WO2015/069299)

[11] **2,928,727**
[13] C

[51] **Int.Cl. C08L 89/00 (2006.01) A61L 27/22 (2006.01) A61L 31/04 (2006.01) A61L 31/12 (2006.01) C08J 3/24 (2006.01)**
[25] EN
[54] **CROSS-LINKED RESILIN-CONTAINING MATERIALS**
[54] **MATERIAUX CONTENANT DE LA RESILINE RETICULEE**
[72] SHOSEYOV, ODED, IL
[72] MEIROVITCH, SIGAL, IL
[72] LAPIDOT, SHAUL, IL
[72] RIVKIN, AMIT, IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[73] COLLPLANT LTD., IL
[85] 2016-04-25
[86] 2014-11-05 (PCT/IL2014/050963)
[87] (WO2015/068160)
[30] US (61/899,951) 2013-11-05

[11] **2,933,526**
[13] C

[51] **Int.Cl. B01D 50/40 (2022.01) B01D 45/12 (2006.01) B01D 47/10 (2006.01)**
[25] EN
[54] **METHOD AND WET SCRUBBER FOR REMOVING PARTICLES FROM GASES**
[54] **PROCEDE ET EPURATEUR HUMIDE POUR ELIMINER DES PARTICULES A PARTIR DE GAZ**
[72] XIA, JILIANG, FI
[72] JOHANSSON, ROBERT, SE
[72] JYRKONEN, SATU, FI
[72] SKILLING, LEIF, SE
[72] GUSTAVSSON, ANDERS, SE
[72] HEDSTROM, LARS, SE
[73] OUTOTEC (FINLAND) OY, FI
[85] 2016-06-10
[86] 2014-12-18 (PCT/FI2014/051027)
[87] (WO2015/092149)
[30] FI (20136308) 2013-12-20

[11] **2,935,251**
[13] C

[51] **Int.Cl. A23L 5/10 (2016.01) A47J 37/12 (2006.01)**
[25] EN
[54] **A CONTINUOUS FRYER WITH LINEAR FLOW**
[54] **FRITEUSE EN CONTINU AVEC DEBIT LINEAIRE**
[72] ELSEENDOORN, PETER, NL
[72] JEANDOR, DENNIS, NL
[72] VAN TOL, TON, NL
[73] TNA AUSTRALIA PTY LIMITED, AU
[86] (2935251)
[87] (2935251)
[22] 2016-07-05
[30] AU (2015902715) 2015-07-09

[11] **2,935,589**
[13] C

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 25/32 (2006.01) A01N 39/04 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITION CONTAINING 4-AMINO-3-CHORO-6-(4-CHLORO-2-FLUORO-3-METHOXYPHENYL)PYRIDINE-2-CARBOXYLIC ACID, FLUROXYPYR AND PHENOXYAUXINS**
[54] **COMPOSITION HERBICIDE CONTENANT DE L'ACIDE 4-AMINO-3-CHLORO-6-(4-CHLORO-2-FLUORO-3-METHOXYPHENYL)PYRIDINE-2-CARBOXYLIQUE, DU FLUROXYPYR ET DES AUXINES DE PHENOXY**
[72] DEGENHARDT, RORY, US
[72] MCGREGOR, BILL, CA
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2016-06-29
[86] 2015-01-14 (PCT/US2015/011281)
[87] (WO2015/108890)
[30] US (61/927,829) 2014-01-15

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,936,107**
[13] C

[51] **Int.Cl. G16B 20/00 (2019.01) G16B 45/00 (2019.01) G16B 50/00 (2019.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR GENOME ANALYSIS**

[54] **PROCEDES ET SYSTEMES D'ANALYSE GENOMIQUE**

[72] SINGLETON, MARC, US

[72] REESE, MARTIN, US

[72] EILBECK, KAREN, US

[72] YANDELL, MARK, US

[73] UNIVERSITY OF UTAH, US

[73] FABRIC GENOMICS, INC., US

[85] 2016-07-06

[86] 2015-01-14 (PCT/US2015/011465)

[87] (WO2015/109021)

[30] US (61/927,459) 2014-01-14

[11] **2,936,408**
[13] C

[51] **Int.Cl. C07D 251/22 (2006.01) A61K 31/53 (2006.01) A61P 9/10 (2006.01) A61P 17/00 (2006.01) A61P 19/02 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) A61P 27/06 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 401/04 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01) C07D 403/10 (2006.01) C07D 405/12 (2006.01) C07D 471/10 (2006.01)**

[25] EN

[54] **TRIAZINE COMPOUNDS AND PHARMACEUTICAL USE THEREOF**

[54] **COMPOSE DE TRIAZINE ET SON UTILISATION A DES FINS MEDICALES**

[72] NAGAMORI, HIRONOBU, JP

[72] MITANI, IKUO, JP

[72] YAMASHITA, MASAKI, JP

[72] HOTTA, TAKAHIRO, JP

[72] NAKAGAWA, YUICHI, JP

[72] UEDA, MASATOSHI, JP

[73] JAPAN TOBACCO INC., JP

[85] 2016-06-29

[86] 2015-02-19 (PCT/JP2015/054519)

[87] (WO2015/125842)

[30] JP (2014-031035) 2014-02-20

[11] **2,936,885**
[13] C

[51] **Int.Cl. B60Q 3/51 (2017.01)**

[25] EN

[54] **ILLUMINATION DEVICE, IN PARTICULAR IN A VEHICLE**

[54] **DISPOSITIF D'ECLAIRAGE EN PARTICULIER POUR VEHICULE AUTOMOBILE**

[72] LA VECCHIA, ERMINIA, CH

[72] LA VECCHIA, CARMINE, CH

[73] LA VECCHIA, NUNZIO, CH

[85] 2016-07-14

[86] 2015-01-30 (PCT/EP2015/051936)

[87] (WO2015/124408)

[30] EP (14155800.7) 2014-02-19

[11] **2,937,455**
[13] C

[51] **Int.Cl. C12N 9/24 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 5/00 (2006.01) C07K 14/42 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **ANTIBODY-DRUG CONJUGATES AND IMMUNOTOXINS**

[54] **CONJUGUES ANTICORPS-MEDICAMENT ET IMMUNOTOXINES**

[72] KONTERMANN, ROLAND, ES

[72] PFIZENMAIER, KLAUS, ES

[72] FERRER, CRISTINA, ES

[72] FABRE, MYRIAM, ES

[72] SIMON, LAUREANO, ES

[73] ONCOMATRYX BIOPHARMA, S.L., ES

[85] 2016-07-20

[86] 2015-02-04 (PCT/EP2015/052341)

[87] (WO2015/118030)

[30] GB (1402006.9) 2014-02-06

[11] **2,938,720**
[13] C

[51] **Int.Cl. C04B 41/48 (2006.01) C09K 21/02 (2006.01)**

[25] EN

[54] **WATER-BASED EPOXY FORMULATIONS FOR APPLIED FIREPROOFING**

[54] **FORMULATIONS EPOXY A BASE D'EAU POUR MATERIAUX D'IGNIFUGATION APPLIQUES**

[72] KREH, ROBERT PAUL, US

[73] UNITED STATES MINERAL PRODUCTS COMPANY, US

[85] 2016-08-03

[86] 2015-02-04 (PCT/US2015/014402)

[87] (WO2015/120012)

[30] US (61/935,586) 2014-02-04

[11] **2,939,045**
[13] C

[51] **Int.Cl. C07D 491/14 (2006.01) A61K 31/519 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **TRICYCLIC HETEROCYCLIC COMPOUNDS AS PHOSPHOINOSITIDE 3-KINASE INHIBITORS**

[54] **COMPOSES HETEROCYCLIQUES TRICYCLIQUES EN TANT QU'INHIBITEURS DE PHOSPHOINOSITIDE 3-KINASE**

[72] SHUTTLEWORTH, STEPHEN JOSEPH, GB

[72] CECIL, ALEXANDER RICHARD LIAM, GB

[72] SILVA, FRANCK ALEXANDRE, GB

[73] KARUS THERAPEUTICS LTD, GB

[85] 2016-08-08

[86] 2015-02-12 (PCT/GB2015/050396)

[87] (WO2015/121657)

[30] GB (1402431.9) 2014-02-12

**Canadian Patents Issued
September 13, 2022**

[11] **2,939,299**
[13] C

[51] **Int.Cl. H02J 3/14 (2006.01) H02H 3/04 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **LOAD PANEL SYSTEM**

[54] **SYSTEME DE TABLEAU ELECTRIQUE**

[72] LAL, DHANANJAY, US

[72] FOERSTER, ANDREW JAY, US

[72] ROHN, DAVID R., US

[72] GONZALEZ, SANDY OMAR JIMENEZ, US

[72] HERRERA, RUBEN G., DO

[72] OKERMAN, JASON K., US

[73] EATON INTELLIGENT POWER LIMITED, IE

[85] 2016-08-10

[86] 2015-03-09 (PCT/US2015/019360)

[87] (WO2015/160446)

[30] US (14/251,771) 2014-04-14

[11] **2,939,781**
[13] C

[51] **Int.Cl. C12N 15/31 (2006.01) A61K 39/095 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/22 (2006.01) C07K 16/12 (2006.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01) C12P 21/02 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **ANTIGENS BASED ON NEISSERIA SPECIES ORF2086 PROTEIN AND COMPOSITIONS COMPRISING SUCH ANTIGENS**

[54] **ANTIGENES FONDES SUR LA PROTEINE ORF2086 DE L'ESPECE NEISSERIA ET COMPOSITIONS RENFERMENT DE TELS ANTIGENES**

[72] ZLOTNICK, GARY W., US

[72] FLETCHER, LEAH D., US

[72] FARLEY, JOHN, US

[72] BERNFIELD, LIESEL A., US

[72] ZAGURSKY, ROBERT J., US

[72] METCALF, BENJAMIN J., US

[73] WYETH HOLDINGS LLC, US

[86] (2939781)

[87] (2939781)

[22] 2002-10-11

[62] 2,849,427

[30] US (60/328,101) 2001-10-11

[30] US (60/406,934) 2002-08-30

[11] **2,942,997**
[13] C

[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/505 (2006.01) A61P 11/06 (2006.01) C07D 417/12 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **HETEROARYL SYK INHIBITORS**

[54] **INHIBITEURS DE SIK DE TYPE HETEROARYLE**

[72] DAHMANN, GEORG, DE

[72] HOFFMANN, MATTHIAS, DE

[72] KLICIC, JASNA, DE

[72] LAMB, DAVID JAMES, DE

[72] MCCARTHY, CLIVE, GB

[72] NAPIER, SPENCER, GB

[72] PARRISH, KAREN, GB

[72] SCOTT, JOHN, GB

[72] SWANTEK FITZGERALD, JENNIFER L., US

[72] WALKER, EDWARD, GB

[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2016-09-16

[86] 2015-03-12 (PCT/EP2015/055228)

[87] (WO2015/140051)

[30] US (61/955,487) 2014-03-19

[11] **2,943,090**
[13] C

[51] **Int.Cl. G01F 23/284 (2006.01) G01S 13/08 (2006.01) G01S 13/88 (2006.01)**

[25] EN

[54] **FEED-THROUGH FOR GWR MEASUREMENTS IN TANKS**

[54] **TRAVERSEE POUR MESURES GWR DANS DES RESERVOIRS**

[72] GEORGESCU, ION, US

[72] COBIANU, CORNEL, US

[72] HEATH, STUART JAMES, US

[72] HUGHES, MICHAEL KON YEW, US

[72] HARAN, FRANK MARTIN, US

[73] HONEYWELL INTERNATIONAL INC., US

[85] 2016-09-16

[86] 2015-03-16 (PCT/US2015/020646)

[87] (WO2015/148161)

[30] US (14/229,216) 2014-03-28

[11] **2,943,601**
[13] C

[51] **Int.Cl. B32B 37/15 (2006.01) B32B 27/08 (2006.01) B65D 65/40 (2006.01) B65D 81/34 (2006.01) B32B 29/00 (2006.01)**

[25] EN

[54] **A METHOD OF PRODUCING A HEAT-RESISTENT POLYMER-COATED OVEN BOARD, AN OVEN BOARD OBTAINABLE BY THE METHOD, A FOOD TRAY AND A FOOD PACKAGE**

[54] **PROCEDE DE FABRICATION D'UNE PLAQUE DE FOUR REVETUE D'UN POLYMERE RESISTANT A LA CHALEUR, PLAQUE DE FOUR POUVANT ETRE OBTENUE PAR LE PROCEDE, PLATEAU POUR ALIMENTS ET EMBALLAGE ALIMENTAIRE**

[72] NEVALAINEN, KIMMO, FI

[72] RIBU, VILLE, FI

[73] STORA ENSO OYJ, FI

[85] 2016-09-22

[86] 2015-04-14 (PCT/IB2015/052710)

[87] (WO2015/159217)

[30] SE (1400205-9) 2014-04-16

[11] **2,944,740**
[13] C

[51] **Int.Cl. H01H 3/60 (2006.01) H01H 71/00 (2006.01)**

[25] EN

[54] **ELECTRICAL SWITCHING APPARATUS AND DAMPENING ASSEMBLY THEREFOR**

[54] **APPAREIL COMMUTATEUR ELECTRIQUE ET SON ENSEMBLE AMORTISSEUR**

[72] KAPPLES, LAWRENCE J., US

[72] TRAX, JAMES A., US

[73] EATON INTELLIGENT POWER LIMITED, IE

[85] 2016-10-03

[86] 2015-02-26 (PCT/US2015/017636)

[87] (WO2015/153024)

[30] US (14/244,130) 2014-04-03

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,946,293**
[13] C

[51] **Int.Cl. F16H 61/14 (2006.01) F16D 3/14 (2006.01) F16H 41/24 (2006.01)**
[25] EN
[54] **TRIMMED LOCK-UP CLUTCH**
[54] **EMBRAYAGE DE VERROUILLAGE COUPE**
[72] SMITH, WILLIAM D., US
[72] SHAW, RICHARD A., US
[73] TWIN DISC, INC., US
[85] 2016-10-18
[86] 2015-04-15 (PCT/US2015/025931)
[87] (WO2015/167803)
[30] US (14/263,545) 2014-04-28

[11] **2,946,671**
[13] C

[51] **Int.Cl. A47B 55/06 (2006.01) A47B 47/06 (2006.01) A47F 5/11 (2006.01)**
[25] EN
[54] **MODULAR STRUCTURE FOR CARDBOARD TOWER-LIKE DISPLAYS**
[54] **STRUCTURE MODULAIRE DESTINEE AUX PRESENTOIRS EN CARTON EN FORME DE TOUR**
[72] MIARNAU FERNANDEZ, JULIO, ES
[73] MIARNAU FERNANDEZ, JULIO, ES
[85] 2016-10-21
[86] 2014-04-29 (PCT/ES2014/070376)
[87] (WO2015/166114)

[11] **2,946,871**
[13] C

[51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/04 (2006.01) A01J 7/02 (2006.01)**
[25] EN
[54] **MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE**
[72] DE HULLU, MATTHEUS JACOB, NL
[72] DIJKSHOORN, DIRK, NL
[72] VAN TILBURG, RUBEN ALEXANDER, NL
[73] LELY PATENT N.V., NL
[85] 2016-10-24
[86] 2015-05-04 (PCT/NL2015/050308)
[87] (WO2015/170975)
[30] NL (2012792) 2014-05-09

[11] **2,946,930**
[13] C

[51] **Int.Cl. H05H 1/28 (2006.01) F23G 5/08 (2006.01) H05H 1/32 (2006.01)**
[25] FR
[54] **ARRANGEMENT FOR THE OUTLET NOZZLE OF A SUBMERGED PLASMA TORCH DEDICATED TO WASTE TREATMENT**
[54] **AMENAGEMENT DE LA TUYERE DE SORTIE D'UNE TORCHE A PLASMA IMMERGE DEDIEE AU TRAITEMENT DE DECHETS**
[72] BARONNET, JEAN-MARIE, FR
[72] LEMONT, FLORENT, FR
[72] MABROUK, MAJDI, FR
[72] MARCHAND, MICKAEL, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2016-10-25
[86] 2015-04-28 (PCT/EP2015/059226)
[87] (WO2015/165911)
[30] FR (1453977) 2014-04-30

[11] **2,946,939**
[13] C

[51] **Int.Cl. H01M 8/06 (2016.01) H01M 8/04 (2016.01) H01M 8/12 (2016.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING CARBON DIOXIDE, PURIFIED HYDROGEN AND ELECTRICITY FROM A REFORMED PROCESS GAS FEED**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE DIOXYDE DE CARBONE, D'HYDROGENE PURIFIE ET D'ELECTRICITE A PARTIR D'UN PROCEDE D'ALIMENTATION EN GAZ DE TRAITEMENT REFORME**
[72] DIETHELM, STEFAN, CH
[72] RAVAGNI, ALBERTO, CH
[72] BUCHELI, OLIVIER, CH
[73] EZ-ENERGIES GMBH, DE
[85] 2016-10-25
[86] 2015-02-19 (PCT/EP2015/053553)
[87] (WO2015/124700)
[30] EP (PCT/EP2014/053263) 2014-02-19

[11] **2,947,010**
[13] C

[51] **Int.Cl. C05G 5/35 (2020.01) C05G 5/30 (2020.01) C05C 9/00 (2006.01) C05C 11/00 (2006.01)**
[25] EN
[54] **METHOD OF FORMING AN ENCAPSULATED FERTILIZER**
[54] **PROCEDE DE FORMATION D'UN ENGRAIS ENCAPSULE**
[72] PRAW, MICHAEL, US
[73] BASF SE, DE
[85] 2016-10-25
[86] 2015-04-27 (PCT/US2015/027725)
[87] (WO2015/167988)
[30] US (61/985,177) 2014-04-28

[11] **2,947,478**
[13] C

[51] **Int.Cl. C08J 11/18 (2006.01) C07C 63/26 (2006.01) C12N 9/16 (2006.01) C12N 9/18 (2006.01) C12P 7/44 (2006.01)**
[25] EN
[54] **PROCESS OF RECYCLING MIXED PET PLASTIC ARTICLES**
[54] **PROCEDE DE RECYCLAGE D'ARTICLES DE PLASTIQUE DE POLYETHYLENE TEREPHTHALATE MIXTES**
[72] MAILLE, EMMANUEL, FR
[73] CARBIOS, FR
[85] 2016-10-31
[86] 2015-05-12 (PCT/EP2015/060521)
[87] (WO2015/173265)
[30] EP (14305722.2) 2014-05-16

[11] **2,947,498**
[13] C

[51] **Int.Cl. G01N 33/569 (2006.01) C12Q 1/04 (2006.01) G01N 33/02 (2006.01) G01N 33/14 (2006.01)**
[25] EN
[54] **ENDOSPORE DETECTION USING HYDROPHOBIC COLLECTION MATERIAL**
[54] **DETECTION D'ENDOSPORE A L'AIDE DE MATERIAU DE COLLECTE HYDROPHOBE**
[72] ERICKSON, ANTHONY, US
[72] BLACK, ELAINE PATRICIA, US
[72] BANKS, RODNEY H., US
[72] ORTMANN, NATHAN RICHARD, US
[73] ECOLAB USA INC., US
[85] 2016-10-28
[86] 2015-06-26 (PCT/US2015/038005)
[87] (WO2015/200807)
[30] US (14/315,606) 2014-06-26

**Canadian Patents Issued
September 13, 2022**

[11] **2,948,385**
[13] C

[51] **Int.Cl. H02G 3/06 (2006.01) H02G 15/013 (2006.01)**
[25] EN
[54] **FITTING FOR USE WITH ARMORED CABLE**
[54] **RACCORD A UTILISER AVEC UN CABLE BLINDE**
[72] RIVEST, DEAN W., US
[73] OMEGA FLEX, INC., US
[85] 2016-11-07
[86] 2015-06-01 (PCT/US2015/033455)
[87] (WO2015/195302)
[30] US (62/012,505) 2014-06-16

[11] **2,949,527**
[13] C

[51] **Int.Cl. A61K 8/64 (2006.01) A61K 8/19 (2006.01) A61K 8/30 (2006.01) A61K 8/92 (2006.01) A61K 8/97 (2017.01) A61Q 5/00 (2006.01)**
[25] EN
[54] **HAIR-CONDITIONING MASK**
[54] **MASQUE CAPILLAIRE CONDITIONNEUR**
[72] ISHMAEL, NADEEZA, CA
[73] NIUCOCO INC., CA
[86] (2949527)
[87] (2949527)
[22] 2016-11-07
[30] US (62/253,453) 2015-11-10
[30] CA (2915328) 2015-12-15

[11] **2,949,910**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/341 (2006.01)**
[25] EN
[54] **MODULATORS OF INTRACELLULAR CHLORIDE CONCENTRATION FOR TREATING NEURODEGENERATIVE DISEASES WITH PARKINSONIAN SYNDROMES**
[54] **MODULATEURS DE CONCENTRATION DE CHLORURE INTRACELLULAIRE POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES AVEC DES SYNDROMES PARKINSONIENS**
[72] BEN-ARI, YEHEZKEL, FR
[72] DEHORTER, NATHALIE, FR
[72] DAMIER, PHILIPPE, FR
[72] HAMMOND, CONSTANCE, FR
[73] UNIVERSITE DE NANTES, FR
[73] B & A THERAPEUTICS, FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE NANTES, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE D'AIX-MARSEILLE, FR
[85] 2016-11-22
[86] 2014-05-28 (PCT/EP2014/061092)
[87] (WO2014/191471)
[30] EP (13170183.1) 2013-05-31

[11] **2,951,191**
[13] C

[51] **Int.Cl. A61K 31/155 (2006.01) A61K 31/44 (2006.01) A61K 31/53 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **NOVEL THERAPEUTIC USES OF BENZYLIDENEGUANIDINE DERIVATIVES FOR THE TREATMENT OF PROTEOPATHIES**
[54] **NOUVELLES UTILISATIONS THERAPEUTIQUES DE DERIVES DE LA BENZYLIDENE-GUANIDINE DANS LE TRAITEMENT DE PROTEOPATHIES**
[72] GUEDAT, PHILIPPE, FR
[73] INFLECTIS BIOSCIENCE, FR
[85] 2016-12-05
[86] 2015-07-02 (PCT/EP2015/065161)
[87] (WO2016/001389)
[30] EP (14306075.4) 2014-07-02

[11] **2,951,329**
[13] C

[51] **Int.Cl. A47B 95/00 (2006.01)**
[25] EN
[54] **HIDDEN HANGING BRACKET WITH A PERFECTED ANTI-DISENGAGEMENT SYSTEM FOR WALL CUPBOARDS**
[54] **SUPPORT D'ACCROCHAGE DISSIMULEE EQUIPE D'UN SYSTEME ANTI-DESOLIDARISATION PERFECTIONNE POUR ARMOIRES MURALES**
[72] CATTANEO, CARLO, IT
[73] LEONARDO S.R.L., IT
[85] 2016-12-06
[86] 2015-06-19 (PCT/EP2015/001258)
[87] (WO2015/197184)
[30] IT (MI2014A001137) 2014-06-23

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,951,340**
[13] C

- [51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **HAND-HELD TEST METER WITH LOW-DISTORTION SIGNAL GENERATION CIRCUIT BLOCK**
[54] **DISPOSITIF DE MESURE DE TEST PORTABLE DOTE D'UN BLOC DE CIRCUITS DE GENERATION DE SIGNAL A FAIBLE DISTORSION**
[72] ELDER, DAVID, GB
[72] MASSARI, ROSSANO, IT
[73] LIFESCAN IP HOLDINGS, LLC, US
[85] 2016-12-06
[86] 2015-06-09 (PCT/EP2015/062839)
[87] (WO2015/189209)
[30] US (14/300,454) 2014-06-10

[11] **2,951,411**
[13] C

- [51] **Int.Cl. B01D 53/62 (2006.01) C01B 32/50 (2017.01) B01D 53/14 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **ABSORBENT SYSTEM AND METHOD FOR CAPTURING CO2 FROM A GAS STREAM**
[54] **DISPOSITIF ABSORBANT ET METHODE DE CAPTURE DU CO2 D'UN FLUX DE GAZ**
[72] ARONU, UGOCHUKWU E., NO
[72] KIM, INNA, NO
[72] HOFF, KARL ANDERS, NO
[72] EINBU, ASLAK, NO
[73] SINTEF TTO AS, NO
[85] 2016-12-06
[86] 2015-06-12 (PCT/NO2015/050106)
[87] (WO2015/190936)
[30] US (62/011,790) 2014-06-13

[11] **2,951,710**
[13] C

- [51] **Int.Cl. A01N 43/653 (2006.01) A01N 25/12 (2006.01) A01N 25/32 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **CONTROLLED-RELEASE SULFENTRAZONE TO SAFEN PLANTS**
[54] **SULFENTRAZONE A LIBERATION CONTROLEE ASSURANT UN EFFET PHYTOPROTECTEUR**
[72] WALTER, JAMES, US
[72] ALBRIGHT, ROBERT B., US
[73] FMC CORPORATION, US
[85] 2016-12-08
[86] 2015-06-25 (PCT/US2015/037740)
[87] (WO2015/200662)
[30] US (62/018,145) 2014-06-27

[11] **2,951,867**
[13] C

- [51] **Int.Cl. C22C 38/44 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/42 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **DUPLEX STAINLESS STEEL**
[54] **ACIER INOXYDABLE DUPLEX**
[72] OLIVER, JAMES, SE
[72] JONSSON, JAN Y., SE
[73] OUTOKUMPU OYJ, FI
[85] 2016-12-09
[86] 2015-06-11 (PCT/FI2015/050415)
[87] (WO2015/193542)
[30] FI (20145575) 2014-06-17

[11] **2,952,019**
[13] C

- [51] **Int.Cl. H01B 3/20 (2006.01) H01F 27/12 (2006.01)**
[25] EN
[54] **SATURATED-DIMER-ACID-DIESTER DIELECTRIC FLUID**
[54] **FLUIDE DIELECTRIQUE A BASE DE DIESTER SATURE D'ACIDE DIMERE**
[72] KRASOVSKIY, ARKADY L., US
[72] CARONIA, PAUL J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-12-12
[86] 2015-05-27 (PCT/US2015/032521)
[87] (WO2015/199867)
[30] US (62/017,309) 2014-06-26

[11] **2,952,084**
[13] C

- [51] **Int.Cl. B60R 25/00 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING USER ACCESS TO VEHICLES BASED ON BIOMETRIC INFORMATION**
[54] **SYSTEME ET PROCEDE PERMETTANT A UN UTILISATEUR D'ACCEDER A UN VEHICULE SUR LA BASE D'INFORMATIONS BIOMETRIQUES**
[72] HOYOS, HECTOR, US
[72] BRAVERMAN, JASON, US
[72] XIAO, GEOFFREY, US
[72] MATHER, JONATHAN FRANCIS, US
[72] STREIT, SCOTT, US
[73] VERIDIUM IP LIMITED, GB
[85] 2016-12-12
[86] 2015-06-11 (PCT/US2015/035415)
[87] (WO2015/191913)
[30] US (62/010,880) 2014-06-11

[11] **2,952,149**
[13] C

- [51] **Int.Cl. B01J 19/28 (2006.01)**
[25] EN
[54] **PROCESS FOR OPERATING A SIMULATED MOVING BED REACTOR**
[54] **PROCEDE POUR FAIRE FONCTIONNER UN REACTEUR A LIT MOBILE SIMULE**
[72] KAWAJIRI, YOSHIKI, US
[72] BOMMARIUS, ANDREAS, US
[72] OH, JUNGMIN, US
[72] AGRAWAL, GAURAV, US
[72] SREEDHAR, BALAMURALI, US
[73] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2016-12-05
[86] 2015-06-04 (PCT/US2015/034175)
[87] (WO2015/187931)
[30] US (62/008,560) 2014-06-06

Canadian Patents Issued
September 13, 2022

[11] **2,953,314**
[13] C
[51] **Int.Cl. B65G 57/00 (2006.01) B65B 5/10 (2006.01) B65B 17/00 (2006.01) B65G 57/03 (2006.01) B65G 57/10 (2006.01) B65G 61/00 (2006.01) B66F 9/02 (2006.01)**
[25] EN
[54] **ASSEMBLY COMPRISING A PALLET LIFT AND A PALLETIZING DEVICE**
[54] **ENSEMBLE COMPRENANT UN MONTE-PALETTES ET UN DISPOSITIF DE PALETTISATION**
[72] HANNESSEN, PIETER GERRIT, NL
[73] QIMAROX PATENTEN B.V., NL
[85] 2016-12-21
[86] 2015-07-07 (PCT/NL2015/050496)
[87] (WO2016/007003)
[30] NL (2013147) 2014-07-08

[11] **2,953,430**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN PRODUCING FLUIDS FROM RESERVOIRS**
[54] **PERFECTIONNEMENTS APPORTES A LA PRODUCTION DE FLUIDES A PARTIR DE RESERVOIRS**
[72] STOKKE, RAGNAR, NO
[72] BAKKE, WILLIAM, NO
[72] EIDENSEN, BJORGULF HAUKELIDSÆTER, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2016-12-22
[86] 2015-06-26 (PCT/EP2015/064522)
[87] (WO2015/197817)
[30] GB (1411404.5) 2014-06-26

[11] **2,953,641**
[13] C
[51] **Int.Cl. C07B 59/00 (2006.01)**
[25] EN
[54] **NOVEL FORMULATION AND METHOD OF SYNTHESIS**
[54] **NOUVELLE FORMULATION ET PROCEDE DE SYNTHESE**
[72] DYRSTAD, KNUT RICHARD, NO
[72] WICKSTROM, TORILD, NO
[72] RAJANAYAGAM, THANUSHAN, NO
[73] GE HEALTHCARE LIMITED, GB
[85] 2016-12-23
[86] 2015-06-30 (PCT/EP2015/064796)
[87] (WO2016/001199)
[30] GB (1411569.5) 2014-06-30

[11] **2,953,722**
[13] C
[51] **Int.Cl. C07D 207/22 (2006.01) A61K 31/40 (2006.01) A61P 5/10 (2006.01)**
[25] EN
[54] **CRYSTALLINE (3Z,5S)-5-(HYDROXYMETHYL)-1-[(2'-METHYL-1,1'-BIPHENYL-4-YL)CARBONYL]PYRROLIDIN-3-ONE O-METHYLOXIME, AND METHODS OF USING THE SAME**
[54] **CRYSTALLINE (3Z,5S)-5-(HYDROXYMETHYL)-1-[(2'-METHYL-1,1'-BIPHENYL-4-YL)CARBONYL]PYRROLIDIN-3-ONE O-METHYLOXIME ET METHODES D'UTILISATION ASSOCIEES**
[72] CHOLLET, ANDRE, CH
[73] OBSEVA SA, CH
[85] 2016-12-23
[86] 2015-06-10 (PCT/EP2015/062881)
[87] (WO2016/000920)
[30] US (62/020,076) 2014-07-02

[11] **2,953,823**
[13] C
[51] **Int.Cl. C10M 133/16 (2006.01) C10M 135/14 (2006.01) C10M 141/08 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITIONS INCLUDING MIXTURES OF FRICTION MODIFIERS COMPRISING AN N-SUBSTITUTED OXALIC ACID BISAMIDE OR AMIDE-ESTER CONTAINING AT LEAST TWO HYDROCARBYL GROUPS, AND AN AMIDE OR THIOAMIDE**
[54] **COMPOSITIONS DE LUBRIFICATION COMPRENANT DES MELANGES DE MODIFICATEURS DE FROTTEMENT COMPRENANT UN BISAMIDE D'ACIDE OXALIQUE N-SUBSTITUE OU UN AMIDE-ESTER CONTENANT AU MOINS DEUX GROUPES D'HYDROCARBYLES, ET AMIDE OU THIOAMIDE**
[72] ABRAHAM, WILLIAM D., US
[73] THE LUBRIZOL CORPORATION, US
[85] 2016-12-23
[86] 2015-06-25 (PCT/US2015/037627)
[87] (WO2015/200592)
[30] US (62/018,138) 2014-06-27

[11] **2,953,895**
[13] C
[51] **Int.Cl. C23C 2/02 (2006.01) C21D 9/573 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **MULTIPURPOSE PROCESSING LINE FOR HEAT TREATING AND HOT DIP COATING A STEEL STRIP**
[54] **CHAINE DE TRAITEMENT POLYVALENTE POUR TRAITEMENT THERMIQUE ET REVETEMENT PAR IMMERSION A CHAUD D'UNE BANDE D'ACIER**
[72] FOUNTOULAKIS, STAVROS, US
[72] MASSE, JEAN PHILIPPE, FR
[72] FAN, DONGWEI, US
[73] ARCELORMITTAL, LU
[85] 2016-12-29
[86] 2015-07-03 (PCT/IB2015/055032)
[87] (WO2016/001888)
[30] IB (PCT/IB2014/002259) 2014-07-03
[30] IB (PCT/IB2014/003263) 2014-08-26

[11] **2,954,138**
[13] C
[51] **Int.Cl. C22C 38/38 (2006.01) C21D 9/46 (2006.01) C22C 38/02 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C23C 2/02 (2006.01) C23C 2/06 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A ULTRA HIGH STRENGTH COATED OR NOT COATED STEEL SHEET AND OBTAINED SHEET**
[54] **PROCEDE DE FABRICATION D'UNE TOLE D'ACIER A ULTRA-HAUTE RESISTANCE REVETUE OU NON REVETUE ET TOLE OBTENUE**
[72] GIRINA, OLGA A., US
[72] PANAH, DAMON, US
[73] ARCELORMITTAL, LU
[85] 2017-01-03
[86] 2015-07-03 (PCT/IB2015/055034)
[87] (WO2016/001890)
[30] IB (PCT/IB2014/002379) 2014-07-03

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,954,419**
[13] C

[51] **Int.Cl. C07D 249/10 (2006.01) A01N 47/30 (2006.01) A01N 47/36 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01)**

[25] EN

[54] **MOLECULES HAVING CERTAIN PESTICIDAL UTILITIES, INTERMEDIATES, COMPOSITIONS, AND PROCESSES, RELATED THERETO**

[54] **MOLECULES AYANT CERTAINES FONCTIONNALITES PESTICIDES, INTERMEDIAIRES, COMPOSITIONS ET PROCEDES CORRESPONDANT**

[72] BAUM, ERICH W., US
[72] FISCHER, LINDSEY G., US
[72] CROUSE, GARY D., US
[72] SPARKS, THOMAS C., US
[72] GIAMPIETRO, NATALIE C., US
[72] DENT, WILLIAM, III, US
[72] NIYAZ, NOORMOHAMED M., US
[72] PETKUS, JEFF, US
[72] DEMETER, DAVID A., US
[72] LAMBERT, WILLIAM THOMAS, US
[72] MCLEOD, CASANDRA L., US
[72] RIGSBEE, EMILY MARIE, US
[72] RENGGA, JAMES M., US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2017-01-05
[86] 2015-07-22 (PCT/US2015/041528)
[87] (WO2016/014664)
[30] US (62/028,090) 2014-07-23

[11] **2,954,699**
[13] C

[51] **Int.Cl. B60P 3/075 (2006.01) B60B 29/00 (2006.01) B60B 30/00 (2006.01) B62B 1/22 (2006.01)**

[25] EN

[54] **IMPROVED APPARATUS FOR MANEUVERING PARKED MOTORCYCLES AND MOTOR SCOOTERS**

[54] **APPAREIL AMELIORE POUR MANŪVRER DES MOTOCYCLETTES ET DES SCOOTERS EN STATIONNEMENT**

[72] BLACK, STUART IAN, AU
[72] MCGUINNESS, STEPHEN JOHN, AU
[73] BLACK MC PTY LTD, AU
[85] 2017-01-09
[86] 2015-07-23 (PCT/AU2015/000428)
[87] (WO2016/011483)
[30] AU (2014902871) 2014-07-24
[30] AU (2014905259) 2014-12-23

[11] **2,956,149**
[13] C

[51] **Int.Cl. E02F 3/815 (2006.01) E02F 9/28 (2006.01) E21C 35/00 (2006.01)**

[25] EN

[54] **IMPLEMENT END BIT WEAR MEMBER**

[54] **ELEMENT D'USURE D'EMBOUT D'OUTIL**

[72] CONGDON, THOMAS MARSHALL, JR., US
[73] CATERPILLAR INC., US
[85] 2017-01-24
[86] 2015-07-13 (PCT/US2015/040091)
[87] (WO2016/018594)
[30] US (14/445,860) 2014-07-29

[11] **2,956,417**
[13] C

[51] **Int.Cl. C07D 233/64 (2006.01) A61K 31/4453 (2006.01) A61P 35/00 (2006.01) C07D 209/08 (2006.01) C07D 235/18 (2006.01) C07D 249/08 (2006.01) C07D 263/57 (2006.01) C07D 295/26 (2006.01)**

[25] EN

[54] **FLT3 RECEPTOR ANTAGONISTS**

[54] **ANTAGONISTES DES RECEPTEURS FLT3**

[72] VALMIER, JEAN, FR
[72] LEYRIS, JEAN-PHILIPPE, FR
[72] ROGNAN, DIDIER, FR
[72] SCHMITT, MARTINE, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE DE MONTPELLIER, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] UNIVERSITE DE STRASBOURG, FR
[85] 2017-01-26
[86] 2015-07-30 (PCT/EP2015/067510)
[87] (WO2016/016370)
[30] EP (14306225.5) 2014-07-31

[11] **2,957,395**
[13] C

[51] **Int.Cl. C04B 28/00 (2006.01) C04B 40/02 (2006.01)**

[25] EN

[54] **CARBONATABLE CALCIUM SILICATE COMPOSITIONS AND METHODS THEREOF**

[54] **COMPOSITIONS DE SILICATE DE CALCIUM POUVANT ETRE CARBONATEES ET PROCEDES ASSOCIES**

[72] ATAKAN, VAHIT, US
[72] QUINN, SEAN, US
[72] SAHU, SADANANDA, US
[72] RAVIKUMAR, DEEPAK, US
[72] DECRISTOFARO, NICHOLAS, US
[73] SOLIDIA TECHNOLOGIES, INC., US
[85] 2017-02-06
[86] 2015-08-03 (PCT/US2015/043452)
[87] (WO2016/022485)
[30] US (62/032,862) 2014-08-04

[11] **2,958,040**
[13] C

[51] **Int.Cl. C07D 215/42 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING SYNTHETIC INTERMEDIATES FOR PREPARING TETRAHYDROQUINOLINE DERIVATIVES**

[54] **PROCEDE DE PREPARATION D'INTERMEDIAIRES SYNTHETIQUES POUR LA PREPARATION DE DERIVES DE TETRAHYDROQUINOLEINE**

[72] FORD, JOHN, NL
[72] SEERDEN, JOHANNES PAULUS GERARDUS, NL
[72] LEDRU, AMANDINE, IE
[73] NEWAMSTERDAM PHARMA B.V., NL
[85] 2017-02-13
[86] 2015-07-29 (PCT/NL2015/050555)
[87] (WO2016/024858)
[30] NL (PCT/NL2014/050556) 2014-08-12

**Canadian Patents Issued
September 13, 2022**

[11] **2,958,081**
[13] C

[51] **Int.Cl. A61F 9/06 (2006.01) A41D 13/11 (2006.01) A61F 9/02 (2006.01) A61F 9/04 (2006.01)**

[25] EN
[54] **SURGICAL EYE SHIELD**
[54] **ECRAN CHIRURGICAL DE PROTECTION DES YEUX**

[72] WALLIS, ANDREW, AU
[73] INNOVGAS PTY LTD, AU
[85] 2017-02-14
[86] 2015-08-21 (PCT/AU2015/050481)
[87] (WO2016/029257)
[30] AU (2014903456) 2014-08-29

[11] **2,958,460**
[13] C

[51] **Int.Cl. A23K 10/16 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 40/25 (2016.01) A23K 50/80 (2016.01)**

[25] EN
[54] **PROCESS FOR PRODUCING A PUFA-CONTAINING FEEDSTUFF BY EXTRUDING A PUFA-CONTAINING BIOMASS**
[54] **PROCEDE DE PRODUCTION D'UN ALIMENT POUR ANIMAUX CONTENANT DES AGPI PAR EXTRUSION D'UNE BIOMASSE CONTENANT DES AGPI**

[72] RABE, CHRISTIAN, DE
[72] SILVA, AMELIA CLAUDIA, DE
[72] EILS, STEFAN, DE
[72] PRIEFERT, HORST, DE
[73] EVONIK OPERATIONS GMBH, DE
[85] 2017-02-16
[86] 2015-09-22 (PCT/EP2015/071707)
[87] (WO2016/050559)
[30] EP (14187479.2) 2014-10-02

[11] **2,958,517**
[13] C

[51] **Int.Cl. B05C 7/02 (2006.01)**

[25] FR
[54] **DEVICE AND METHOD FOR REPAIRING A HOLE IN A PART**
[54] **DISPOSITIF ET PROCEDE DE REPARATION D'UN TROU D'UNE PIECE**

[72] TELLIER, FLORIAN, FR
[72] PAIXAO, ADRIEN, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-02-17
[86] 2015-08-18 (PCT/FR2015/052217)
[87] (WO2016/030607)
[30] FR (1458009) 2014-08-27

[11] **2,959,339**
[13] C

[51] **Int.Cl. F04B 49/00 (2006.01) F04B 23/02 (2006.01) F04B 49/02 (2006.01) F04B 49/06 (2006.01) F04B 49/08 (2006.01) H02S 10/00 (2014.01)**

[25] EN
[54] **CONTROLLED WELL PUMPING AND DISTRIBUTION SYSTEM**
[54] **SYSTEME DE POMPAGE ET DE DISTRIBUTION DE Puits REGULE**

[72] LISK, MIKE, US
[73] LISK, MIKE, US
[85] 2017-02-24
[86] 2015-08-25 (PCT/US2015/046753)
[87] (WO2016/033083)
[30] US (14/473,206) 2014-08-29

[11] **2,959,729**
[13] C

[51] **Int.Cl. A61B 17/32 (2006.01) A61M 1/00 (2006.01) A61N 7/00 (2006.01)**

[25] EN
[54] **SUBCUTANEOUS WOUND DEBRIDEMENT**
[54] **DEBRIDEMENT DE PLAIES SOUS-CUTANEEES**

[72] GILL, JAGJIT SINGH, US
[72] FREED, LEWIS HILLEL, US
[72] MORREY, BERNARD FRANCIS, US
[73] TENEX HEALTH, INC., US
[85] 2017-03-01
[86] 2015-09-02 (PCT/US2015/048075)
[87] (WO2016/036810)
[30] US (14/475,129) 2014-09-02

[11] **2,960,059**
[13] C

[51] **Int.Cl. B22C 9/10 (2006.01) B22C 1/22 (2006.01)**

[25] FR
[54] **METHOD FOR PRODUCING A CERAMIC CORE**
[54] **PROCEDE DE PRODUCTION D'UN NOYAU CERAMIQUE**

[72] TRUELLE, FRANCK EDMOND MAURICE, FR
[72] BALDASSARI, CLAUDE, FR
[72] LOCATELLI, DAVID, FR
[72] QUACH, DANIEL, FR
[72] VERGER, JEAN-LOUIS MARTIAL, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-03-02
[86] 2015-09-01 (PCT/FR2015/052305)
[87] (WO2016/034802)
[30] FR (1458298) 2014-09-04

[11] **2,960,065**
[13] C

[51] **Int.Cl. B66C 23/48 (2006.01) B66C 23/42 (2006.01) B66C 23/90 (2006.01) B66F 9/065 (2006.01)**

[25] EN
[54] **CRANE FOR LIFTING AND TRANSPORTING LOADS COMPRISING A ROLL-OVER PROTECTION SYSTEM**
[54] **GRUE POUR LEVER ET TRANSPORTER DES CHARGES COMPORTANT UN SYSTEME DE PROTECTION CONTRE LE BASCULEMENT**

[72] TRANCHERO, JACQUES, IT
[73] TRANCHERO, JACQUES, IT
[85] 2017-03-02
[86] 2015-09-07 (PCT/IB2015/056823)
[87] (WO2016/038525)
[30] IT (TO2014A000711) 2014-09-11

[11] **2,960,886**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 90/10 (2016.01) A61B 34/30 (2016.01) A61B 1/05 (2006.01) A61B 10/04 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS OF USING ACTIVE MARKER ON SURGICAL INSTRUMENTS**
[54] **SYSTEMES ET METHODES D'UTILISATION D'UN MARQUEUR ACTIF SUR LES INSTRUMENTS CHIRURGICAUX**

[72] JAGGA, VICTOR, CA
[72] PIRON, CAMERON, CA
[73] SYNAPTIVE MEDICAL INC., CA
[85] 2017-03-10
[86] 2014-09-15 (PCT/CA2014/050872)
[87] (WO2016/041050)

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,961,105**
[13] C

[51] **Int.Cl. C12Q 1/6806 (2018.01) C12N 15/113 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6876 (2018.01) C07H 21/00 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **METHODS AND KITS FOR IMPROVING GLOBAL GENE EXPRESSION ANALYSIS OF HUMAN BLOOD, PLASMA AND/OR SERUM DERIVED RNA**

[54] **METHODES ET TROUSSES VISANT L'AMELIORATION DE L'ANALYSE GLOBALE DE L'EXPRESSION D'UN GENE DU SANG HUMAIN, PLASMA AUTRE ADN DERIVE DE SERUM**

[72] HAJ-AHMAD, YOUSEF, CA
[73] NORGEN BIOTEK CORP., CA
[86] (2961105)
[87] (2961105)
[22] 2017-03-17
[30] US (62/310,389) 2016-03-18
[30] US (15/460,826) 2017-03-16

[11] **2,961,911**
[13] C

[51] **Int.Cl. B01D 21/28 (2006.01) B01D 17/00 (2006.01) B06B 1/06 (2006.01) C02F 1/36 (2006.01)**

[25] EN

[54] **ACOUSTOPHORETIC CLARIFICATION OF PARTICLE-LADEN NON-FLOWING FLUIDS**

[54] **CLARIFICATION ACOUSTOPHORETIQUE DE FLUIDES SANS ECOULEMENT ET CHARGES EN PARTICULES**

[72] LIPKENS, BART, US
[72] KING, JEFF, US
[72] SOKOLOWSKI, DAVID, US
[72] MASI, ANTHONY B., US
[72] KENNEDY, BRIAN T., US
[72] MCCARTHY, BRIAN, US
[72] ROSS-JOHNSRUD, BENJAMIN, US
[72] DIONNE, JASON, US
[72] MEALEY, DANE, US
[72] BARNES, JASON, US
[73] FLODESIGN SONICS, INC., US
[85] 2017-03-20
[86] 2015-09-30 (PCT/US2015/053200)
[87] (WO2016/054192)
[30] US (62/057,514) 2014-09-30

[11] **2,962,817**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/10 (2012.01)**

[25] EN

[54] **GENERATING NOTIFICATIONS USING LOGICAL GROUPINGS**

[54] **GENERATION DE NOTIFICATIONS AU MOYEN DE GROUPEMENTS LOGIQUES**

[72] ROUSH, MIKE, US
[72] SHAH, MILIN, US
[72] GILLEN, ROBERT J., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[86] (2962817)
[87] (2962817)
[22] 2017-03-31
[30] US (62/326,061) 2016-04-22

[11] **2,963,479**
[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] (2963479)
[87] (2963479)
[22] 2017-04-06

[11] **2,965,864**
[13] C

[51] **Int.Cl. C12H 6/02 (2019.01) B01D 1/28 (2006.01) B01D 3/00 (2006.01) B01D 3/02 (2006.01)**

[25] EN

[54] **DISTILLATION SYSTEM**

[54] **INSTALLATION DE DISTILLATION**

[72] MOSSLEIN, MONIKA, DE
[72] SCHEIBY, DAVID, GB
[73] GEA WIEGAND GMBH, DE
[85] 2017-04-26
[86] 2015-10-27 (PCT/EP2015/074824)
[87] (WO2016/066622)
[30] DE (10 2014 222 071.8) 2014-10-29

[11] **2,966,181**
[13] C

[51] **Int.Cl. C10L 5/48 (2006.01)**

[25] EN

[54] **PROCESS FOR FORMING A SOLID FUEL COMPOSITION FROM MIXED SOLID WASTE**

[54] **PROCEDE DE FORMATION D'UNE COMPOSITION DE COMBUSTIBLE SOLIDE A PARTIR DE DECHETS SOLIDES MIXTES**

[72] WHITE, BJORNULF, US
[73] ECOGENSUS, LLC, US
[85] 2017-04-27
[86] 2015-10-30 (PCT/US2015/058508)
[87] (WO2016/070149)
[30] US (62/072,822) 2014-10-30

[11] **2,966,533**
[13] C

[51] **Int.Cl. G06F 8/30 (2018.01) G06F 11/36 (2006.01)**

[25] EN

[54] **APPLICATION TESTING**

[54] **TEST D'APPLICATION**

[72] ISMAN, MARSHALL A., US
[72] JOYCE, JOHN, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2017-05-01
[86] 2015-11-05 (PCT/US2015/059136)
[87] (WO2016/073665)
[30] US (62/075,451) 2014-11-05
[30] US (14/715,807) 2015-05-19

**Canadian Patents Issued
September 13, 2022**

[11] **2,967,151**
[13] C

[51] **Int.Cl. C22C 14/00 (2006.01) B22F 9/08 (2006.01)**
[25] EN
[54] **POWDERED TITANIUM ALLOY COMPOSITION AND ARTICLE FORMED THEREFROM**
[54] **COMPOSITION D'ALLIAGE DE TITANE EN POUVRE ET ARTICLE FORME DE LADITE COMPOSITION**
[72] PECINA, JOSEPH, US
[72] BURKETT, ROBERT, US
[72] BACKHAUS, GARY M., US
[72] CARR, MICHAEL S., US
[72] GLAMM, RYAN J., US
[73] THE BOEING COMPANY, US
[86] (2967151)
[87] (2967151)
[22] 2017-05-11
[30] US (15/219,812) 2016-07-26
[30] US (15/458,231) 2017-03-14

[11] **2,968,605**
[13] C

[51] **Int.Cl. F04B 43/04 (2006.01) F04B 13/00 (2006.01)**
[25] EN
[54] **A DIAPHRAGM PUMP FOR DOSING A FLUID AND AN ACCORDING METHOD**
[54] **POMPE A DIAPHRAGME POUR LE DOSAGE D'UN FLUIDE ET PROCEDE CORRESPONDANT**
[72] RUPPERT, ANDREAS, DE
[72] SAUER, WOLFGANG, DE
[73] ECOLAB USA INC., US
[85] 2017-05-23
[86] 2014-12-01 (PCT/EP2014/076144)
[87] (WO2016/086959)

[11] **2,969,635**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 29/00 (2006.01) C07K 16/18 (2006.01) C07K 16/44 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF IDIOPATHIC PULMONARY FIBROSIS**
[54] **METHODE DE TRAITEMENT DE LA FIBROSE PULMONAIRE IDIOPATHIQUE**
[72] CHIRIVI, RENATO GERARDUS SILVANO, NL
[72] RAATS, JOZEF MARIA HENDRIK, NL
[73] CITRYLL BV, NL
[85] 2017-06-02
[86] 2015-12-11 (PCT/EP2015/079443)
[87] (WO2016/092082)
[30] EP (14197374.3) 2014-12-11

[11] **2,970,064**
[13] C

[51] **Int.Cl. A61F 7/02 (2006.01) A61F 7/00 (2006.01)**
[25] EN
[54] **PORTABLE THERAPEUTIC SYSTEM USING HOT OR COLD TEMPERATURE**
[54] **SYSTEME THERAPEUTIQUE PORTATIF A L'AIDE DE TEMPERATURE CHAUDE OU FROIDE**
[72] BENYAMINPOUR, BEHROUZ, US
[72] BENJAMIN, JIM, US
[72] BENJAMIN, RAMIN, US
[73] BENYAMINPOUR, BEHROUZ, US
[73] BENJAMIN, JIM, US
[73] BENJAMIN, RAMIN, US
[85] 2017-06-07
[86] 2014-09-30 (PCT/US2014/058176)
[87] (WO2016/053266)

[11] **2,971,172**
[13] C

[51] **Int.Cl. E05D 7/10 (2006.01) H01H 71/02 (2006.01) H02B 1/38 (2006.01)**
[25] EN
[54] **HINGE ASSEMBLY, TRIP UNIT AND CIRCUIT BREAKER ASSEMBLY INCLUDING SAME**
[54] **PORTE DE RUPTURE, UNITE DE DECLENCHEUR ET ENSEMBLE DISJONCTEUR LES CONTENANT**
[72] WHITAKER, THOMAS A., US
[72] BASTA, JASON E., US
[72] COLLAZO, DOEL J., US
[72] RAKUS, PAUL R., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-06-15
[86] 2015-10-21 (PCT/US2015/056552)
[87] (WO2016/099652)
[30] US (14/577,376) 2014-12-19

[11] **2,972,035**
[13] C

[51] **Int.Cl. E05D 11/00 (2006.01)**
[25] EN
[54] **HINGE PROTECTOR**
[54] **PROTECTEUR DE CHARNIERE**
[72] BATISTAKIS, PAUL, CA
[73] BATISTAKIS, PAUL, CA
[86] (2972035)
[87] (2972035)
[22] 2017-06-28

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,973,440**
[13] C

[51] **Int.Cl. B61H 5/00 (2006.01) B60T 13/26 (2006.01) B60T 13/66 (2006.01) B60T 17/16 (2006.01) F16D 55/224 (2006.01)**

[25] FR

[54] **RAILWAY BRAKING SYSTEM FOR RAILWAY VEHICLE AND METHOD FOR BRAKING A RAILWAY VEHICLE COMPRISING SUCH A SYSTEM**

[54] **SYSTEME DE FREINAGE FERROVIAIRE POUR VEHICULE FERROVIAIRE ET PROCEDE DE FREINAGE D'UN VEHICULE FERROVIAIRE COMPORTANT UN TEL SYSTEME**

[72] GONCALVES, CLAUDINO, FR

[72] FERRON, EVI, FR

[72] BOISSEAU, GILLES, FR

[72] SELLIER, LOUIS, FR

[73] FAIVELEY TRANSPORT AMIENS, FR

[85] 2017-07-10

[86] 2015-12-30 (PCT/FR2015/053768)

[87] (WO2016/113484)

[30] FR (1550255) 2015-01-13

[11] **2,974,022**
[13] C

[51] **Int.Cl. E21B 7/00 (2006.01) E21B 7/02 (2006.01) E21B 43/00 (2006.01) E21B 43/30 (2006.01)**

[25] EN

[54] **A PAD DRILLING METHOD FOR DRILLING MULTIPLE WELLS AND A MULTI-WELL PAD SYSTEM EMPLOYING THE SAME**

[54] **UNE METHODE DE FORAGE SUR SOCLE SERVANT A FORER PLUSIEURS Puits ET UN SYSTEME DE SOCLE MULTIPuits EMPLOYANT LADITE METHODE**

[72] LEROUX, ASHLEY, CA

[73] 1725612 ALBERTA LTD., CA

[86] (2974022)

[87] (2974022)

[22] 2015-10-01

[62] 2,905,891

[30] US (62/152,616) 2015-04-24

[11] **2,974,615**
[13] C

[51] **Int.Cl. E21B 10/26 (2006.01) E21B 7/00 (2006.01) E21B 7/28 (2006.01) E21B 12/06 (2006.01) E21B 27/00 (2006.01)**

[25] EN

[54] **SHAFT ENLARGEMENT ARRANGEMENT FOR A BORING SYSTEM**

[54] **AGENCEMENT D'AGRANDISSEMENT D'ARBRE POUR UN SYSTEME DE FORAGE**

[72] KLEUTERS, NIKOLAUS, DE

[72] PRETORIUS, DANIEL COENRAAD, ZA

[72] JORDAAN, BAREND JACOBUS, ZA

[72] GERMISHUYS, LOUIS, ZA

[72] GOODWIN, NICOLAAS BODENSTEIN, ZA

[72] SHEPPARD, GARETH ROBERT, PE

[73] MASTER SINKERS (PTY) LTD, SA

[85] 2017-07-21

[86] 2016-01-25 (PCT/IB2016/050357)

[87] (WO2016/116910)

[30] EP (15152341.2) 2015-01-23

[30] ZA (2015/00851) 2015-02-05

[30] ZA (2015/05310) 2015-07-23

[11] **2,974,671**
[13] C

[51] **Int.Cl. B23D 45/04 (2006.01) B23D 47/00 (2006.01) B27B 5/24 (2006.01) B27B 5/29 (2006.01)**

[25] EN

[54] **MITER SAW**

[54] **SCIE A ONGLET**

[72] HART, MICHAEL, US

[73] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[86] (2974671)

[87] (2974671)

[22] 2017-07-27

[30] US (62/367,195) 2016-07-27

[11] **2,976,027**
[13] C

[51] **Int.Cl. H02J 9/06 (2006.01) H02M 7/155 (2006.01)**

[25] EN

[54] **UNINTERRUPTIBLE CONSTANT CURRENT REGULATOR**

[54] **REGULATEUR DE COURANT CONSTANT SANS COUPURE**

[72] GUCKIN, MARK E., US

[72] SCHNEIDER, JOHN B., US

[73] EATON INTELLIGENT POWER LIMITED, IE

[85] 2017-08-07

[86] 2016-02-05 (PCT/US2016/016824)

[87] (WO2016/130434)

[30] US (14/617,285) 2015-02-09

[11] **2,977,798**
[13] C

[51] **Int.Cl. G01N 27/447 (2006.01)**

[25] EN

[54] **NANOPORE-BASED SEQUENCING WITH VARYING VOLTAGE STIMULUS**

[54] **SEQUENCAGE A BASE DE NANOPORE AVEC STIMULUS DE TENSION VARIABLE**

[72] CHEN, ROGER J. A., US

[72] TIAN, HUI, US

[72] MANEY, BILL, US

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

[85] 2017-06-19

[86] 2015-11-01 (PCT/US2015/058533)

[87] (WO2016/099673)

[30] US (14/577,511) 2014-12-19

[11] **2,977,912**
[13] C

[51] **Int.Cl. F03D 1/04 (2006.01) F03D 13/20 (2016.01) F03D 1/02 (2006.01) F03D 1/06 (2006.01)**

[25] EN

[54] **WIND POWER SYSTEM**

[54] **SYSTEME A ENERGIE EOLIENNE**

[72] BENAZZI, RICCARDO, IT

[72] PELIZZARI, DAVIDE, IT

[73] GAIA S.R.L., IT

[85] 2017-08-25

[86] 2015-03-05 (PCT/IT2015/000058)

[87] (WO2016/139685)

**Canadian Patents Issued
September 13, 2022**

[11] **2,978,225**
[13] C

[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCING THE SPECIFIC UPTAKE OF BOTULINUM NEUROTOXINS INTO CELLS**

[54] **METHODES D'AMELIORATION DU CAPTAGE SPECIFIQUE DE NEUROTOXINES BOTULINIQUES DANS DES CELLULES**

[72] JATZKE, CLAUDIA, DE
[72] EISELE, KARL-HEINZ, DE
[72] MANDER, GERD, DE
[72] FINK, KLAUS, DE
[73] MERZ PHARMA GMBH & CO. KGAA, DE
[85] 2017-08-30
[86] 2016-03-03 (PCT/EP2016/054552)
[87] (WO2016/139308)
[30] EP (15157549.5) 2015-03-04

[11] **2,979,874**
[13] C

[51] **Int.Cl. G07F 17/32 (2006.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CREDITING WAGERING ACTIVITY**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE CREDITER UNE ACTIVITE DE PARI**

[72] SANFORD, KIRK E., US
[72] SEARS, THOMAS M., US
[72] SATTAR, OMER, US
[73] SIGHTLINE PAYMENTS LLC, US
[85] 2017-09-14
[86] 2016-04-01 (PCT/US2016/025627)
[87] (WO2016/161323)
[30] US (62/141,823) 2015-04-01
[30] US (14/813,718) 2015-07-30

[11] **2,981,191**
[13] C

[51] **Int.Cl. A61K 38/17 (2006.01) A61P 37/06 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING PREGNANCY SPECIFIC GLYCOPROTEINS AND METHODS OF USE THEREOF**

[54] **COMPOSITIONS COMPRENANT DES GLYCOPROTEINES SPECIFIQUES DE GROSSESSE ET LEURS PROCEDES D'UTILISATION**

[72] DVEKSLER, GABRIELA, US
[72] MALECH, HARRY L., US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2017-09-27
[86] 2016-09-16 (PCT/US2016/052131)
[87] (WO2017/049082)
[30] US (62/219,900) 2015-09-17

[11] **2,982,540**
[13] C

[51] **Int.Cl. H01R 13/633 (2006.01) H01R 13/64 (2006.01) H01R 13/703 (2006.01) H01R 13/73 (2006.01)**
[25] EN
[54] **CORD DISCONNECT APPARATUS AND METHODS**

[54] **APPAREILLAGE ET METHODE DE DEBRANCHEMENT DE CORDON**

[72] DYKAS, THOM, US
[72] ASCENCIO-HALL, DANNY, US
[72] BROWN, ANDREW T., US
[73] POWER PRODUCTS, LLC, US
[86] (2982540)
[87] (2982540)
[22] 2017-10-13
[30] US (62/408529) 2016-10-14

[11] **2,982,755**
[13] C

[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **OPEN TICKET PAYMENT HANDLING WITH OFFLINE MODE**

[54] **GESTION DE PAIEMENT DE BILLET OUVERT AVEC MODE HORS LIGNE**

[72] RENKE, CHRISTOPHER PHILIP, US
[72] WHITE, MICHAEL WELLS, US
[72] MULLER, ERIC DICKESON, US
[72] WILSON, MATHEW, US
[73] BLOCK, INC., US
[85] 2017-10-13
[86] 2016-04-13 (PCT/US2016/027288)
[87] (WO2016/168298)
[30] US (14/686,381) 2015-04-14

[11] **2,986,553**
[13] C

[51] **Int.Cl. H02M 3/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY CONTROL APPARATUS AND METHOD THEREOF**

[54] **APPAREIL DE CONTROLE D'ALIMENTATION ELECTRIQUE ET METHODE ASSOCIEE**

[72] SHIMOMURA, TAKU, JP
[72] HAYASHI, TETSUYA, JP
[72] TSUGAWA, DAI, JP
[72] IKARI, TAKAYUKI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-20
[86] 2015-05-20 (PCT/JP2015/064443)
[87] (WO2016/185579)

**Brevets canadiens délivrés
13 septembre 2022**

[11] **2,987,914**
[13] C

[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/404 (2006.01) A61K 31/427 (2006.01) A61K 31/496 (2006.01) C07D 209/34 (2006.01) C07D 401/12 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **INHIBITORS OF EGFR AND METHODS OF USE THEREOF**

[54] **INHIBITEURS D'EGFR ET METHODES D'UTILISATION DE CEUX-CI**

[72] GRAY, NATHANAEL, US

[72] ECK, MICHAEL, US

[72] JANNE, PASI, US

[72] CHOI, HWAN GEUN, KR

[72] JANG, JAEBONG, US

[72] WONG, KWOK-KIN, US

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

[85] 2017-11-29

[86] 2016-06-30 (PCT/US2016/040421)

[87] (WO2017/004383)

[30] US (62/186,563) 2015-06-30

[30] US (62/259,895) 2015-11-25

[11] **2,988,758**
[13] C

[51] **Int.Cl. A62C 3/08 (2006.01) A62C 37/00 (2006.01) B64D 13/00 (2006.01) B64D 25/00 (2006.01) B64D 45/00 (2006.01)**

[25] EN

[54] **ATMOSPHERIC AIR MONITORING FOR AIRCRAFT FIRE SUPPRESSION**

[54] **SURVEILLANCE DE L'AIR ATMOSPHERIQUE POUR EXTINCTION DE FEU POUR AVIONS**

[72] MEIS, CHARLES, US

[72] DARR, RACHEL, US

[73] THE BOEING COMPANY, US

[86] (2988758)

[87] (2988758)

[22] 2017-12-11

[30] US (15/434,979) 2017-02-16

[11] **2,989,260**
[13] C

[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/85 (2020.01)**

[25] EN

[54] **APPARATUS FOR HEATING SMOKABLE MATERIAL**

[54] **APPAREIL POUR CHAUFFER UNE SUBSTANCE A FUMER**

[72] NAUGHTON, MICHAEL, US

[72] THORSEN, MITCHEL, US

[73] NICOVENTURES TRADING LIMITED, GB

[85] 2017-12-12

[86] 2016-06-24 (PCT/EP2016/064756)

[87] (WO2016/207407)

[30] US (62/185,227) 2015-06-26

[11] **2,990,130**
[13] C

[51] **Int.Cl. G06F 16/903 (2019.01)**

[25] EN

[54] **SYSTEM-WIDE QUERY OPTIMIZATION**

[54] **OPTIMISATION DES REQUETES A L'ECHELLE D'UN SYSTEME**

[72] YU, LIANG GANG, US

[72] SMILEY, JOHN ROBERT, US

[73] AMAZON TECHNOLOGIES, INC., US

[86] (2990130)

[87] (2990130)

[22] 2013-11-27

[62] 2,892,599

[30] US (13/691,213) 2012-11-30

[11] **2,990,499**
[13] C

[51] **Int.Cl. F03B 3/04 (2006.01) F03B 3/12 (2006.01) F03B 3/18 (2006.01) F03B 13/10 (2006.01) H02K 7/18 (2006.01)**

[25] EN

[54] **AXIAL-FLOW TURBINE FOR LOW-HEAD INSTALLATIONS**

[54] **TURBINE A ECOULEMENT AXIAL POUR INSTALLATIONS DE FAIBLE HAUTEUR**

[72] FIHO, G LUCIO TIAGO, BR

[72] MARTIN, JOE, CA

[72] BARBOSA, WAGNER A., BR

[72] SWIDERSKI, JACEK, CA

[72] CHANG, LIUCHEN, CA

[72] TUNG, TONY T., CA

[73] FIHO, G LUCIO TIAGO, BR

[73] MARTIN, JOE, CA

[73] BARBOSA, WAGNER A., BR

[73] SWIDERSKI, JACEK, CA

[73] CHANG, LIUCHEN, CA

[73] TUNG, TONY T., CA

[85] 2017-12-21

[86] 2015-07-21 (PCT/CA2015/050679)

[87] (WO2017/011893)

[11] **2,993,212**
[13] C

[51] **Int.Cl. B25B 23/00 (2006.01) B25B 13/06 (2006.01) B25B 13/48 (2006.01) B25B 23/14 (2006.01)**

[25] EN

[54] **TORQUE REACTION TOOLS AND METHODS FOR USE**

[54] **OUTILS DE REACTION AU COUPLE ET METHODES D'UTILISATION**

[72] TABLER, BRETTON B., US

[72] PLAIN, KATIE M., US

[72] HAULBROOKS, GERALD L., III, US

[73] THE BOEING COMPANY, US

[86] (2993212)

[87] (2993212)

[22] 2018-01-26

[30] US (US 15/448167) 2017-03-02

**Canadian Patents Issued
September 13, 2022**

[11] **2,993,669**
[13] C

[51] **Int.Cl. H04W 24/02 (2009.01) H04B 7/15 (2006.01)**

[25] EN

[54] **VIRTUAL TRANSPONDER**

[54] **TRANSPONDEUR VIRTUEL**

[72] MILLER, KRISTINA, US

[72] WINIG, ROBERT J., US

[72] ANDEN, ERIC, US

[72] THOMAS, DIMITRI, US

[73] THE BOEING COMPANY, US

[86] (2993669)

[87] (2993669)

[22] 2018-01-31

[30] US (15/451242) 2017-03-06

[11] **2,994,956**
[13] C

[51] **Int.Cl. G16H 40/20 (2018.01) H04W 4/00 (2018.01) H04L 12/16 (2006.01)**

[25] EN

[54] **AUTOMATIC UPDATING OF CARE TEAM ASSIGNMENTS IN ELECTRONIC HEALTH RECORD SYSTEMS BASED ON DATA FROM VOICE COMMUNICATIONS SYSTEMS**

[54] **MISE A JOUR AUTOMATIQUE D'AFFECTIONS D'EQUIPE SOIGNANTE DANS DES SYSTEMES DE DOSSIERS MEDICAUX ELECTRONIQUES BASES SUR DES DONNEES PROVENANT DE SYSTEMES DE COMMUNICATION VOCALE**

[72] SCHLAPFER, MARTIN, US

[72] SHIVELY, DAVID, US

[73] VOCERA COMMUNICATIONS, INC., US

[85] 2018-02-06

[86] 2016-08-02 (PCT/US2016/045112)

[87] (WO2017/027251)

[30] US (14/823,427) 2015-08-11

[11] **2,997,009**
[13] C

[51] **Int.Cl. B65B 9/00 (2006.01) B65B 9/06 (2012.01)**

[25] EN

[54] **METHOD OF FORMING A BONDED PACKAGE GUSSET**

[54] **PROCEDE DE FORMATION D'UN SOUFFLET D'EMBALLAGE CONTRECOLLE**

[72] ROMENESKO, SCOTT, US

[73] HUDSON-SHARP MACHINE COMPANY, US

[85] 2018-02-28

[86] 2016-09-02 (PCT/US2016/050126)

[87] (WO2017/040943)

[30] US (62/213,449) 2015-09-02

[11] **2,998,847**
[13] C

[51] **Int.Cl. F24F 1/36 (2011.01) F24D 19/08 (2006.01) F24F 13/22 (2006.01) F25D 21/14 (2006.01)**

[25] EN

[54] **DRAINAGE TRAY FOR A HEAT PUMP**

[54] **BAC DE DRAINAGE POUR POMPE A CHALEUR**

[72] ANDERSSON, MATS, SE

[73] CLIMACO HOLDING AB, SE

[85] 2018-03-15

[86] 2016-09-15 (PCT/SE2016/050869)

[87] (WO2017/048186)

[30] SE (1551178-5) 2015-09-15

[11] **2,999,774**
[13] C

[51] **Int.Cl. B05B 17/08 (2006.01) B05B 1/02 (2006.01)**

[25] EN

[54] **SWIMMING POOL DECK JET SYSTEM AND ASSOCIATED METHODS**

[54] **SYSTEME A JETS DE PLAGES DE PISCINE ET PROCEDES ASSOCIES**

[72] MARSHALL, BRIAN D., US

[72] SMITH, JACOB CODY, US

[73] HAYWARD INDUSTRIES, INC., US

[85] 2018-03-22

[86] 2016-11-08 (PCT/US2016/060896)

[87] (WO2017/083247)

[30] US (62/252,829) 2015-11-09

[11] **3,001,962**
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 31/167 (2006.01) A61K 31/215 (2006.01) A61K 31/616 (2006.01) A61P 31/16 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **TREATMENT OF MODERATE TO SEVERE INFLUENZA**

[54] **TRAITEMENT D'UNE GRIPPE MODEREE A GRAVE**

[72] NOCKER, KARLHEINZ, DE

[72] CANISIUS, SEBASTIAN, DE

[72] SCHEUCH, GERHARD, DE

[73] ASPIAIR GMBH, DE

[85] 2018-04-13

[86] 2016-12-22 (PCT/EP2016/082307)

[87] (WO2017/109037)

[30] EP (15202212.5) 2015-12-22

[11] **3,002,021**
[13] C

[51] **Int.Cl. C12G 3/08 (2006.01) C12H 1/06 (2006.01) C12H 1/16 (2006.01) C12H 1/22 (2006.01)**

[25] EN

[54] **ALCOHOLIC BEVERAGE MATURING DEVICE**

[54] **DISPOSITIF DE MATURATION DE BOISSON ALCOOLISEE**

[72] BAILEY, EDWARD, US

[72] LINDSAY, NORMA, US

[73] GREEN RIVER SPIRITS COMPANY, US

[85] 2018-04-13

[86] 2016-10-11 (PCT/US2016/056338)

[87] (WO2017/066145)

[30] US (14/885,605) 2015-10-16

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,003,102**
[13] C

[51] **Int.Cl. A61K 31/223 (2006.01) A61K 31/573 (2006.01)**
[25] EN
[54] **DOSAGE REGIMENS OF MELPHALAN FLUFENAMIDE FOR TREATMENT OF MULTIPLE MYELOMA**
[54] **REGIMES DE DOSAGE DE MELPHALAN FLUFENAMIDE POUR LE TRAITEMENT DU MYELOME MULTIPLE**
[72] LINDBERG, JAKOB, SE
[73] ONCOPEPTIDES AB, SE
[85] 2018-04-24
[86] 2016-12-01 (PCT/EP2016/079511)
[87] (WO2017/093443)
[30] GB (1521217.8) 2015-12-01

[11] **3,003,224**
[13] C

[51] **Int.Cl. B41F 31/04 (2006.01) B41N 10/00 (2006.01) D21G 3/00 (2006.01)**
[25] EN
[54] **DOCTOR BLADE, INKING ARRANGEMENT AND USE OF DOCTOR BLADE IN FLEXOGRAPHIC PRINTING RACLE, AGENCEMENT D'ENCRAGE ET UTILISATION D'UNE RACLE DANS L'IMPRESSION FLEXOGRAPHIQUE**
[72] CLAUDON, ALEXANDRE, CH
[73] BTG ECLEPENS S.A., CH
[85] 2018-04-25
[86] 2016-11-04 (PCT/EP2016/076697)
[87] (WO2017/077053)
[30] EP (15192936.1) 2015-11-04

[11] **3,003,361**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) E21B 47/01 (2012.01) E21B 47/18 (2012.01) F03B 11/00 (2006.01) F03B 13/02 (2006.01)**
[25] EN
[54] **DOWNHOLE TELEMETRY SYSTEM AND METHOD THEREFOR**
[54] **SYSTEME DE TELEMESURE EN FOND DE TROU ET METHODE CONNEXE**
[72] PAN, XIA, CA
[72] CALIN, SILVIU, CA
[72] HU, ZHENYUAN, CA
[72] LIU, FUCHUN, CA
[72] WANG, ZHIQUN, CA
[72] WANG, JACK, CA
[72] HERZIG, MICHEL, CA
[73] U-TARGET ENERGY LTD., CA
[86] (3003361)
[87] (3003361)
[22] 2018-05-01
[30] US (62/492,707) 2017-05-01

[11] **3,003,483**
[13] C

[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/704 (2006.01) A61K 39/39 (2006.01) A61P 31/00 (2006.01) A61P 37/04 (2006.01) C07H 15/24 (2006.01)**
[25] EN
[54] **TRITERPENE SAPONIN ANALOGUES**
[54] **ANALOGUES DE SAPONINE TRITERPENIQUE**
[72] GIN, DAVID Y. (DECEASED), US
[72] CHEA, ERIC, US
[72] FERNANDEZ-TEJADA, ALBERTO, ES
[72] GARDNER, JEFFREY, US
[72] LEWIS, JASON, US
[72] LIVINGSTON, PHILIP, US
[72] MARTIN, J. TYLER, US
[72] NORDSTROEM, LARS, US
[72] PILLARSETTY, NAGA VARA KISHORE, US
[72] RAGUPATHI, GOVIND, US
[72] TAN, DEREK, US
[73] ADJUVANCE TECHNOLOGIES, INC., US
[73] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2018-04-26
[86] 2016-11-04 (PCT/US2016/060564)
[87] (WO2017/079582)
[30] US (62/252,296) 2015-11-06
[30] US (62/268,837) 2015-12-17

[11] **3,005,203**
[13] C

[51] **Int.Cl. F16L 59/02 (2006.01) F16L 59/14 (2006.01)**
[25] EN
[54] **PIPE INSULATION ASSEMBLY**
[54] **ENSEMBLE D'ISOLATION DE TUYAU**
[72] PARKS, JERRY M., US
[72] MUSICK, DAVID E., US
[72] CHACKO, JACOB T., US
[72] CLANCY, TIMOTHY R., US
[72] HETTLER, NEIL, US
[72] QI, WEIGANG, US
[72] GUTKOSKI, MADELYN ELIZABETH, US
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2018-05-11
[86] 2016-11-11 (PCT/US2016/061462)
[87] (WO2017/083603)
[30] US (62/254,670) 2015-11-12
[30] US (62/268,027) 2015-12-16
[30] US (62/287,812) 2016-01-27

[11] **3,006,700**
[13] C

[51] **Int.Cl. H04L 9/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING DATA ENCRYPTION AND DECRYPTION AND ERASING OF ASSOCIATED INFORMATION**
[54] **SYSTEMES ET METHODE DE FACILITATION DE CHIFFREMENT ET DECHIFFREMENT DE DONNEES ET EFFACEMENT DE L'INFORMATION ASSOCIEE**
[72] HUNT, JEFFREY H., US
[72] HOWE, WAYNE R., US
[73] THE BOEING COMPANY, US
[86] (3006700)
[87] (3006700)
[22] 2018-05-29
[30] US (15/714,948) 2017-09-25

**Canadian Patents Issued
September 13, 2022**

[11] **3,007,173**
[13] C

[51] **Int.Cl. G09B 9/00 (2006.01) G09B 9/08 (2006.01)**
[25] EN
[54] **SIMULATION OF AN ASSET INCLUDING MESSAGE PLAYBACK USING NESTED HASH TABLES**
[54] **SIMULATION D'UN ACTIF COMPRENANT LA LECTURE DE MESSAGE AU MOYEN DE TABLES DE HACHAGE IMBRIQUEES**
[72] MALEPORT, JOEL J., US
[73] THE BOEING COMPANY, US
[86] (3007173)
[87] (3007173)
[22] 2018-06-01
[30] US (15/674,812) 2017-08-11

[11] **3,007,324**
[13] C

[51] **Int.Cl. G01N 3/08 (2006.01) G01N 3/18 (2006.01) G01N 3/42 (2006.01) G01N 3/46 (2006.01) G01N 19/06 (2006.01)**
[25] EN
[54] **MEASUREMENT OF MATERIAL PROPERTIES UNDER LOCAL TENSILE STRESS THROUGH CONTACT MECHANICS**
[54] **MESURE DES PROPRIETES D'UN MATERIAU SOUS CONTRAINTE DE TRACTION LOCALE PAR CONTACT MECANIQUE**
[72] BELLEMARE, SIMON C., US
[72] PALKOVIC, STEVEN D., US
[72] WILLEY, BRENDON M., US
[72] SOUCY, PHILLIP A., US
[73] MASSACHUSETTS MATERIALS TECHNOLOGIES LLC, US
[85] 2018-06-01
[86] 2016-12-09 (PCT/US2016/065960)
[87] (WO2017/100665)
[30] US (62/265,234) 2015-12-09

[11] **3,008,315**
[13] C

[51] **Int.Cl. A61K 35/741 (2015.01) A61K 9/16 (2006.01) A61K 9/19 (2006.01) A61K 47/26 (2006.01) A61P 1/00 (2006.01) A61P 31/00 (2006.01) C12N 1/04 (2006.01)**
[25] FR
[54] **LYOPHILIZED COMPOSITION FOR PRESERVING MICROBIOTA IN ITS ECOSYSTEM**
[54] **COMPOSITION LYOPHILISEE POUR LA CONSERVATION DE MICROBIOTE DANS SON ECOSYSTEME**
[72] KAPEL, NATHALIE, FR
[72] WALIGORA-DUPRIET, ANNE-JUDITH, FR
[72] THOMAS, MURIEL, FR
[72] CHARRUEAU, CHRISTINE, FR
[72] JOLY, FRANCISCA, FR
[72] MAYEUR, CAMILLE, FR
[72] ROBERT, VERONIQUE, FR
[72] DELANNOY, JOHANNE, FR
[73] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[73] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[73] UNIVERSITE PARIS CITE, FR
[85] 2018-06-11
[86] 2016-12-16 (PCT/EP2016/081603)
[87] (WO2017/103225)
[30] FR (1562836) 2015-12-18

[11] **3,008,600**
[13] C

[51] **Int.Cl. B23P 21/00 (2006.01) B62D 65/02 (2006.01) B23K 37/047 (2006.01)**
[25] EN
[54] **MODULAR VEHICLE ASSEMBLY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSEMBLAGE DE VEHICULE MODULAIRE**
[72] KILIBARDA, VELIBOR, US
[73] COMAU LLC, US
[85] 2018-06-14
[86] 2015-12-14 (PCT/US2015/065588)
[87] (WO2016/100220)
[30] US (62/091,687) 2014-12-15
[30] US (14/968,126) 2015-12-14

[11] **3,009,549**
[13] C

[51] **Int.Cl. B25J 9/00 (2006.01)**
[25] FR
[54] **FOOT PORTION FOR AN EXOSKELETON STRUCTURE**
[54] **MODULE DE PIED POUR UNE STRUCTURE D'EXOSQUELETTE**
[72] BAPTISTA, JONATHAN, FR
[72] VAURE, ALEXANDRE, FR
[72] GRENIER, JORDANE, FR
[72] THIEFFRY, ROLAND, FR
[73] SAFRAN ELECTRONICS & DEFENSE, FR
[73] B-TEMIA INC., CA
[85] 2018-06-22
[86] 2016-12-23 (PCT/EP2016/082599)
[87] (WO2017/109198)
[30] FR (1563351) 2015-12-24

[11] **3,009,897**
[13] C

[51] **Int.Cl. B25J 9/00 (2006.01) A45F 3/10 (2006.01) B25J 9/08 (2006.01) B25J 19/00 (2006.01)**
[25] FR
[54] **MODULAR EXOSKELETON STRUCTURE THAT PROVIDES FORCE ASSISTANCE TO THE USER**
[54] **STRUCTURE MODULAIRE D'EXOSQUELETTE POUR L'ASSISTANCE A L'EFFORT D'UN UTILISATEUR**
[72] GRENIER, JORDANE, FR
[72] BEDARD, STEPHANE, CA
[72] THIEFFRY, ROLAND, FR
[72] VAURE, ALEXANDRE, FR
[72] BAPTISTA, JONATHAN, FR
[73] B-TEMIA INC., CA
[73] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2018-06-22
[86] 2016-12-23 (PCT/EP2016/082597)
[87] (WO2017/109196)
[30] FR (1563348) 2015-12-24
[30] FR (1563350) 2015-12-24

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,010,725**
[13] C

[51] **Int.Cl. F21S 9/03 (2006.01) H02S 10/40 (2014.01) F21S 2/00 (2016.01) F21V 11/06 (2006.01) F21V 17/10 (2006.01) F21V 23/00 (2015.01) H01L 31/042 (2014.01)**

[25] EN
[54] **PORTABLE SOLAR LIGHT**
[54] **SYSTEME D'ECLAIRAGE SOLAIRE PORTATIF**

[72] REEVES, RAY, US
[73] REEVES, RAY, US
[85] 2018-07-05
[86] 2017-01-09 (PCT/US2017/012735)
[87] (WO2017/120590)
[30] US (62/275,805) 2016-01-07
[30] US (62/412,837) 2016-10-26

[11] **3,011,607**
[13] C

[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/078 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 7/06 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) G01N 33/574 (2006.01)**

[25] EN
[54] **CDC45L PEPTIDES AND VACCINES INCLUDING THE SAME**
[54] **PEPTIDES CDC45L ET VACCINS COMPRENANT CEUX-CI**

[72] NAKAMURA, YUSUKE, JP
[72] NISHIMURA, YASUHARU, JP
[72] TOMITA, YUSUKE, JP
[72] TSUNODA, TAKUYA, JP
[73] ONCOTHERAPY SCIENCE, INC., JP
[86] (3011607)
[87] (3011607)
[22] 2010-05-25
[62] 2,762,934
[30] US (61/217,133) 2009-05-26

[11] **3,012,467**
[13] C

[51] **Int.Cl. C05F 11/02 (2006.01) C08H 99/00 (2010.01)**

[25] EN
[54] **SEMI-HUMIC ORGANIC CARBON MATERIAL AND METHODS OF USE THEREOF**
[54] **MATERIAU DE CARBONE ORGANIQUE SEMI-HUMIQUE ET PROCEDES D'UTILISATION ASSOCIES**

[72] REZAI, TAHA, US
[72] BREEN, JOHN, US
[72] GERECKE, THOMAS J., US
[72] HE, QINGWEN, US
[72] ABERCROMBIE, MARGARET MAE, US
[72] HER, SUSAN, US
[72] DIERKING, RYAN, US
[72] CRAWFORD, GREGORY A., US
[72] BAYER, MONTELL L., US
[73] ACTAGRO, LLC, US
[85] 2018-07-24
[86] 2017-02-02 (PCT/US2017/016237)
[87] (WO2017/136566)
[30] US (62/290,879) 2016-02-03
[30] US (62/445,686) 2017-01-12

[11] **3,013,160**
[13] C

[51] **Int.Cl. G01N 29/06 (2006.01) G01N 29/11 (2006.01) G01N 29/26 (2006.01)**

[25] EN
[54] **METHODS AND DEVICES FOR INSPECTION OF PIPELINES**
[54] **PROCEDES ET DISPOSITIFS POUR L'INSPECTION DE PIPELINES**

[72] KANNAJOSYULA, HARAPRASAD, US
[72] BONDURANT, PHILIP DEWAYNE, US
[72] MACTUTIS, ANTHONY, US
[73] QUEST INTEGRATED, LLC, US
[85] 2018-07-27
[86] 2017-02-03 (PCT/US2017/016457)
[87] (WO2017/136692)
[30] US (62/290,742) 2016-02-03

[11] **3,013,657**
[13] C

[51] **Int.Cl. H04N 19/88 (2014.01) H04N 19/132 (2014.01) H04N 19/146 (2014.01) H04N 19/174 (2014.01) H04N 19/46 (2014.01)**

[25] EN
[54] **CONCEPT FOR PICTURE/VIDEO DATA STREAMS ALLOWING EFFICIENT REDUCIBILITY OR EFFICIENT RANDOM ACCESS**
[54] **CONCEPT POUR DES FLUX DE DONNEES IMAGES/VIDEO PERMETTANT UNE REDUCTION EFFICACE OU UN ACCES ALEATOIRE EFFICACE**

[72] SKUPIN, ROBERT, DE
[72] SANCHEZ, YAGO, DE
[72] SCHIERL, THOMAS, DE
[72] HELLGE, CORNELIUS, DE
[72] GRUENEBERG, KARSTEN, DE
[72] WIEGAND, THOMAS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2018-08-03
[86] 2017-02-08 (PCT/EP2017/052769)
[87] (WO2017/137444)
[30] EP (16154947.2) 2016-02-09

[11] **3,014,281**
[13] C

[51] **Int.Cl. C10L 1/02 (2006.01) C10L 1/233 (2006.01) C10L 10/10 (2006.01)**

[25] EN
[54] **FUEL ADDITIVES**
[54] **ADDITIFS POUR CARBURANTS**

[72] ALI, RANA, GB
[72] FILIP, SORIN VASILE, GB
[73] BP OIL INTERNATIONAL LIMITED, GB
[85] 2018-08-10
[86] 2017-02-09 (PCT/EP2017/052933)
[87] (WO2017/137521)
[30] EP (16155212.0) 2016-02-11

**Canadian Patents Issued
September 13, 2022**

[11] **3,014,884**
[13] C

[51] **Int.Cl. A61B 46/20 (2016.01) C09J 7/29 (2018.01) C09J 7/40 (2018.01) A61F 13/02 (2006.01)**

[25] EN

[54] **MEDICAL DRAPE**

[54] **CHAMPS MEDICAUX**

[72] GALBIERZ, THOMAS R., US

[72] GALBIERZ, MICHAEL A., US

[73] GALBIERZ, THOMAS R., US

[73] GALBIERZ, MICHAEL A., US

[85] 2018-08-16

[86] 2017-02-16 (PCT/US2017/018171)

[87] (WO2017/143066)

[30] US (62/296,988) 2016-02-18

[11] **3,015,145**
[13] C

[51] **Int.Cl. B23B 35/00 (2006.01) B23B 45/02 (2006.01) B28D 1/14 (2006.01)**

[25] EN

[54] **METHOD FOR OPERATING A MACHINE TOOL, AND MACHINE TOOL OPERABLE BY THE METHOD**

[54] **PROCEDE DE FONCTIONNEMENT D'UNE MACHINE-OUTIL ET MACHINE-OUTIL POUVANT ETRE ACTIONNEE PAR LE PROCEDE**

[72] SATTLER, CHRISTIAN, DE

[72] DREXL, TOBIAS, DE

[73] HILTI AKTIENGESSELLSCHAFT, LI

[85] 2018-08-20

[86] 2017-03-13 (PCT/EP2017/055766)

[87] (WO2017/157815)

[30] EP (16160122.4) 2016-03-14

[11] **3,015,355**
[13] C

[51] **Int.Cl. E21B 44/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DOWNLINK COMMUNICATION**

[54] **SYSTEME ET PROCEDE POUR COMMUNICATION EN LIAISON DESCENDANTE**

[72] JONES, STEPHEN, US

[72] SUGIURA, JUNICHI, US

[73] SANVEAN TECHNOLOGIES LLC, US

[85] 2018-08-21

[86] 2017-02-23 (PCT/US2017/019188)

[87] (WO2017/151394)

[30] US (62/303,931) 2016-03-04

[11] **3,016,328**
[13] C

[51] **Int.Cl. F01N 3/20 (2006.01) F01N 13/14 (2010.01)**

[25] EN

[54] **SUSCEPTOR FOR USE IN A FLUID FLOW SYSTEM**

[54] **SUSCEPTEUR DESTINE A ETRE UTILISE DANS UN SYSTEME D'ECOULEMENT DE FLUIDE**

[72] EVERLY, MARK D., US

[72] WILLIAMS, RICHARD T., US

[72] PRADUN, JAMES N., US

[73] WATLOW ELECTRIC MANUFACTURING COMPANY, US

[85] 2018-08-30

[86] 2017-03-02 (PCT/US2017/020518)

[87] (WO2017/151970)

[30] US (62/302,482) 2016-03-02

[11] **3,016,963**
[13] C

[51] **Int.Cl. E01C 7/35 (2006.01) E01C 11/22 (2006.01)**

[25] EN

[54] **CONCRETE PAVEMENT STRUCTURE COMPRISING A CONCRETE BASE LAYER AND AN ELASTOMER IMPROVED CONCRETE WEARING LAYER**

[54] **STRUCTURE DE CHAUSSEE EN BETON COMPRENANT UNE COUCHE DE BASE EN BETON ET UNE COUCHE D'USURE EN BETON AMELIOREE PAR UN ELASTOMERE**

[72] DAO, DUC TUNG, FR

[72] ECH, MOHSEN, FR

[72] MIRAVALLS, NICOLAS, FR

[72] STORA, ERIC, FR

[73] HOLCIM TECHNOLOGY LTD, CH

[85] 2018-09-06

[86] 2017-03-23 (PCT/EP2017/056943)

[87] (WO2017/162799)

[30] EP (16305333.3) 2016-03-23

[11] **3,018,153**
[13] C

[51] **Int.Cl. C09K 15/00 (2006.01) A01N 59/16 (2006.01) A01N 61/00 (2006.01) A01P 1/00 (2006.01) C08J 3/20 (2006.01) C08J 7/04 (2020.01) C09D 5/14 (2006.01)**

[25] EN

[54] **ARTICLE COMPRISING AN ANTIOXIDIZING AGENT AND A BACTERIOSTATIC AGENT AND A PRODUCTION PROCESS THEREOF**

[54] **ARTICLE COMPRENANT UN AGENT ANTIOXYDANT ET UN AGENT BACTERIOSTATIQUE ET SON PROCEDE DE PRODUCTION**

[72] ROVERI, NORBERTO, IT

[72] LELLI, MARCO, IT

[72] MASETTI, MASSIMO, IT

[72] PETRAROIA, SANDRA, IT

[73] BENVIC SAS, FR

[85] 2018-09-18

[86] 2017-03-30 (PCT/IB2017/051816)

[87] (WO2017/168357)

[30] IT (102016000033262) 2016-03-31

[11] **3,018,203**
[13] C

[51] **Int.Cl. E01C 11/16 (2006.01) E01C 19/21 (2006.01) E01C 19/48 (2006.01) E01C 23/04 (2006.01)**

[25] EN

[54] **MACHINE, SYSTEM AND METHOD FOR RESURFACING EXISTING ROADS**

[54] **MACHINE, SYSTEME ET PROCEDE DE RESURFACAGE DE ROUTES EXISTANTES**

[72] CAWTHERN, JOHN D., US

[73] GORMAN GROUP LLC, US

[85] 2018-09-18

[86] 2017-03-20 (PCT/US2017/023198)

[87] (WO2017/161369)

[30] US (62/310,067) 2016-03-18

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,018,982**
[13] C

[51] **Int.Cl. A61K 39/04 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **REMEDY FOR BOVINE LEUKEMIA PROPHYLAXIS AND USE THEREOF**
[54] **MOYEN DE PREVENTION DE LA LEUCOSE DU BETAIL A CORNES ET PROCEDE D'APPLICATION**
[72] LASKAVY, VLADISLAV NIKOLAEVICH, RU
[73] LASKAVY, VLADISLAV NIKOLAEVICH, RU
[73] IVLEV, ANDREI VALENTINOVICH, RU
[85] 2018-09-25
[86] 2017-06-13 (PCT/RU2017/000404)
[87] (WO2018/097750)
[30] RU (2016145862) 2016-11-22

[11] **3,022,336**
[13] C

[51] **Int.Cl. A01D 34/60 (2006.01) A01D 69/03 (2006.01) F15B 1/02 (2006.01) F15B 13/02 (2006.01)**
[25] EN
[54] **SYSTEM FOR CONTROLLING A BRAKE IN AN AUXILIARY HYDRAULIC SYSTEM**
[54] **SYSTEME DE COMMANDE DE FREIN DANS UN SYSTEME HYDRAULIQUE AUXILIAIRE**
[72] DAINING, STEPHEN, US
[73] FECON, LLC, US
[85] 2018-10-25
[86] 2017-04-25 (PCT/US2017/029367)
[87] (WO2017/189551)
[30] US (62/327,833) 2016-04-26

[11] **3,027,976**
[13] C

[51] **Int.Cl. H02J 3/38 (2006.01) H02J 1/10 (2006.01) H02J 7/34 (2006.01) H02J 15/00 (2006.01) H01M 8/04858 (2016.01) H01M 10/44 (2006.01)**
[25] EN
[54] **ELECTRICAL ENERGY SUPPLY UNIT AND CONTROL THEREFOR**
[54] **UNITE D'ALIMENTATION EN ENERGIE ELECTRIQUE ET COMMANDE AFFERENTE**
[72] MEDICI, ALESSANDRO, CH
[73] POWER-BLOX AG, CH
[85] 2018-11-30
[86] 2017-06-15 (PCT/EP2017/064705)
[87] (WO2017/216308)
[30] EP (PCT/EP2016/063787) 2016-06-15

[11] **3,028,388**
[13] C

[51] **Int.Cl. B23Q 39/00 (2006.01) G05B 19/042 (2006.01) G05D 3/20 (2006.01)**
[25] EN
[54] **MACHINING SYSTEM WITH OPTIMAL PATHS**
[54] **SYSTEME D'USINAGE DE CHEMINS OPTIMAUX**
[72] PETTY, NATHAN LEE, US
[73] THE BOEING COMPANY, US
[86] (3028388)
[87] (3028388)
[22] 2018-12-21
[30] US (15/904,554) 2018-02-26

[11] **3,028,650**
[13] C

[51] **Int.Cl. B26D 5/02 (2006.01) B26D 7/22 (2006.01) B26D 7/26 (2006.01)**
[25] EN
[54] **BLADE MOUNTING AND REMOVAL TOOL, SYSTEM, AND PRODUCT SLICER**
[54] **OUTIL DE MONTAGE ET DE RETRAIT DE LAME, SYSTEME ET TRANCHEUSE DE PRODUIT**
[72] MCGUFFIN-NOLL, DOUGLAS, US
[72] DIERAUER, PETER, US
[73] GLOBE FOOD EQUIPMENT COMPANY, US
[85] 2018-12-19
[86] 2017-02-03 (PCT/US2017/016350)
[87] (WO2017/222603)
[30] US (15/187,851) 2016-06-21

[11] **3,029,326**
[13] C

[51] **Int.Cl. G01N 3/303 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **GLOVE IMPACT RESISTANCE TESTING**
[54] **TEST DE RESISTANCE AUX CHOCS D'UN GANT**
[72] TAYLOR, DALIA, US
[72] TRAINER, WILLIAM, US
[72] FUNK, ANDREW, US
[72] FISHER, ANGELA, US
[73] WELLS LAMONT INDUSTRY GROUP LLC, US
[85] 2018-12-24
[86] 2017-06-26 (PCT/US2017/039225)
[87] (WO2017/223550)
[30] US (62/354,419) 2016-06-24

[11] **3,030,068**
[13] C

[51] **Int.Cl. A23D 9/00 (2006.01) A23D 9/06 (2006.01) A23L 3/16 (2006.01) C11B 1/00 (2006.01) C11B 1/10 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **PASTEURISATION PROCESS FOR MICROBIAL CELLS AND MICROBIAL OIL**
[54] **PROCEDE DE PASTEURISATION DE CELLULES MICROBIENNES ET D'HUILE MICROBIENNE**
[72] SCHAAP, ALBERT, NL
[72] VERKOEIJEN, DANIEL, NL
[73] DSM IP ASSETS B.V., NL
[86] (3030068)
[87] (3030068)
[22] 2003-06-20
[62] 2,489,911
[30] EP (02254262.5) 2002-06-19
[30] EP (02258713.3) 2002-12-18

[11] **3,030,258**
[13] C

[51] **Int.Cl. H04N 19/146 (2014.01)**
[25] EN
[54] **PANORAMIC VIDEO COMPRESSION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMPRESSION DE VIDEO PANORAMIQUE**
[72] WANG, TAO, CN
[72] ZHU, JIADAN, CN
[72] DU, YAO, CN
[72] LIU, HONGBIN, CN
[73] BEIJING QIYI CENTURY SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2019-01-08
[86] 2017-08-08 (PCT/CN2017/096432)
[87] (WO2018/040860)
[30] CN (201610765058.4) 2016-08-30

**Canadian Patents Issued
September 13, 2022**

[11] **3,035,800**
[13] C

[51] **Int.Cl. B01D 19/00 (2006.01)**
[25] EN
[54] **GAS REMOVAL APPARATUS AND RELATED METHODS**
[54] **APPAREIL D'ELIMINATION DE GAZ ET METHODES ASSOCIEES**
[72] HERRICK, NORTON, US
[72] SALOFF, DAVID, US
[72] GREEN, RICHARD, US
[73] AILNH, LLC, US
[86] (3035800)
[87] (3035800)
[22] 2019-03-06
[30] US (15/950,002) 2018-04-10
[30] US (16/132,961) 2018-09-17

[11] **3,036,870**
[13] C

[51] **Int.Cl. G05B 17/02 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DEPLOYING INDUSTRIAL PLANT SIMULATORS USING CLOUD COMPUTING TECHNOLOGIES**
[54] **PROCEDE ET APPAREIL POUR DEPLOYER DES SIMULATEURS D'USINES INDUSTRIELLES AU MOYEN DE LA TECHNOLOGIE DE L'INFONUAGIQUE**
[72] ABRUZERE, EUGENE, US
[72] KEPHART, RICHARD W., US
[72] SANCHEZ, HERMAN, US
[73] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US
[86] (3036870)
[87] (3036870)
[22] 2013-01-18
[62] 2,803,856
[30] US (13/357,341) 2012-01-24

[11] **3,036,934**
[13] C

[51] **Int.Cl. G01V 3/38 (2006.01)**
[25] EN
[54] **BOUNDARY ADJUSTMENT OF VERTICAL SEISMIC SECTIONS OF THREE-DIMENSIONAL SEISMIC SURVEYS TO REMOVE DATA GAPS**
[54] **AJUSTEMENT DE LIMITES DE SECTIONS SISMQUES VERTICALES DE RELEVES SISMQUES TRIDIMENSIONNELLES POUR ELIMINER DES LACUNES DANS LES DONNEES**
[72] NGUYEN, NAM XUAN, US
[72] MASET, RICHARD GEORGE, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2019-03-13
[86] 2017-10-09 (PCT/US2017/055705)
[87] (WO2018/093476)
[30] US (62/424,127) 2016-11-18

[11] **3,037,889**
[13] C

[51] **Int.Cl. A61K 39/35 (2006.01) A61K 35/744 (2015.01) A61P 11/06 (2006.01) A61P 37/04 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **TREATMENT OF IMMUNE DISEASE BY MUCOSAL DELIVERY OF ANTIGENS**
[54] **TRAITEMENT D'UNE MALADIE IMMUNITAIRE PAR L'ADMINISTRATION MUCOSALE D'ANTIGENES**
[72] ROTTIERS, PIETER, BE
[72] SNOECK, VEERLE, BE
[73] INTREXON ACTOBIOTICS NV, BE
[86] (3037889)
[87] (3037889)
[22] 2008-01-25
[62] 2,675,297
[30] EP (07447006.3) 2007-01-25
[30] EP (07112792.2) 2007-07-19

[11] **3,038,166**
[13] C

[51] **Int.Cl. C10B 53/02 (2006.01) C10B 21/00 (2006.01) C10B 21/18 (2006.01) C10B 25/22 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING BIOCOAL AND PLANT THEREFOR**
[54] **PROCEDE DE FABRICATION DE CHARBON DE BIOMASSE ET INSTALLATION CORRESPONDANTE**
[72] SCHIRNHOFER, LEO, AT
[72] KNAUTZ, HOLGER, AT
[73] SCHIRNHOFER, LEO, AT
[85] 2019-03-25
[86] 2017-09-20 (PCT/EP2017/073824)
[87] (WO2018/055003)
[30] AT (A 438/2016) 2016-09-26

[11] **3,038,295**
[13] C

[51] **Int.Cl. B67D 1/08 (2006.01) A23L 2/00 (2006.01) A47J 31/00 (2006.01) A47J 31/44 (2006.01) B65D 81/00 (2006.01) B65D 85/816 (2006.01)**
[25] EN
[54] **DISPENSER HAVING A CARTRIDGE HOLDER**
[54] **DISTRIBUTEUR A SUPPORT DE CARTOUCHE**
[72] KRUGER, MARC, DE
[72] EMPL, GUNTER, DE
[72] FISCHER, DANIEL, CH
[73] FREEZIO AG, CH
[86] (3038295)
[87] (3038295)
[22] 2017-01-12
[62] 3,011,183
[30] DE (10 2016 200 254.6) 2016-01-12
[30] DE (10 2016 212 012.3) 2016-07-01
[30] DE (10 2016 212 013.1) 2016-07-01
[30] DE (10 2016 218 509.8) 2016-09-27
[30] DE (10 2016 218 507.1) 2016-09-27
[30] DE (10 2016 218 884.4) 2016-09-29

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,038,361**
[13] C

[51] **Int.Cl. F01D 5/06 (2006.01) F01D 1/02 (2006.01) F01D 5/34 (2006.01) F01D 17/16 (2006.01) F02C 9/16 (2006.01)**

[25] EN

[54] **A MULTI-STAGE AXIAL FLOW TURBINE ADAPTED TO OPERATE AT LOW STEAM TEMPERATURES**

[54] **TURBINE MULTI-ETAGES A ECOULEMENT AXIAL CONCUE POUR FONCTIONNER A BASSES TEMPERATURES DE VAPEUR**

[72] DAVIES, ROGER, AU

[73] INTEX HOLDINGS PTY LTD, AU

[85] 2019-03-26

[86] 2017-10-24 (PCT/AU2017/051165)

[87] (WO2018/076050)

[30] AU (2016904316) 2016-10-24

[11] **3,039,160**
[13] C

[51] **Int.Cl. B65D 81/20 (2006.01)**

[25] FR

[54] **DEVICE FOR SELECTING GASES FOR A CONTAINER FOR STORING PERISHABLE PRODUCTS**

[54] **DISPOSITIF DE SELECTION DES GAZ POUR CONTENANT POUR LE STOCKAGE DE PRODUITS PERISSABLES**

[72] JANNY, PIERRE, FR

[73] JANNY SARL, FR

[85] 2019-04-02

[86] 2017-10-13 (PCT/FR2017/052823)

[87] (WO2018/073514)

[30] FR (16 60134) 2016-10-19

[11] **3,042,073**
[13] C

[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/095 (2006.01) A61K 39/116 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/22 (2006.01) C07K 14/285 (2006.01) C07K 14/33 (2006.01) C07K 14/34 (2006.01)**

[25] EN

[54] **INJECTABLE VACCINES AGAINST MULTIPLE MENINGOCOCCAL SEROGROUPS**

[54] **VACCINS INJECTABLES CONTRE LES MULTIPLES SEROGRUPES DU MENINGOCOQUE**

[72] CONSTANTINO, PAOLO, IT

[73] NOVARTIS VACCINES AND DIAGNOSTICS S.R.L., IT

[86] (3042073)

[87] (3042073)

[22] 2004-01-30

[62] 2,514,328

[30] GB (0302217.5) 2003-01-30

[30] GB (0323101.6) 2003-10-02

[11] **3,042,815**
[13] C

[51] **Int.Cl. C08G 63/52 (2006.01) B29C 64/10 (2017.01) C08L 67/06 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING UNSATURATED CRYSTALLINE POLYESTER FOR 3D PRINTING**

[54] **COMPOSITIONS RENFERMANT UN POLYESTER CRISTALLIN INSATURE DESTINE A L'IMPRESSIION 3D**

[72] SRISKANDHA, SHIVANTHI E., CA

[72] FARRUGIA, VALERIE M., CA

[72] SACRIPANTE, GUERINO G., CA

[72] ZWARTZ, EDWARD G., CA

[73] XEROX CORPORATION, US

[86] (3042815)

[87] (3042815)

[22] 2019-05-09

[30] US (15/982627) 2018-05-17

[11] **3,045,374**
[13] C

[51] **Int.Cl. F21V 29/508 (2015.01) F21V 29/67 (2015.01)**

[25] EN

[54] **AIR EXHAUSTING MECHANISM FOR MOBILE ILLUMINATING LIGHT TOWER**

[54] **MECANISME D'EVACUATION D'AIR POUR PHARE D'ECLAIRAGE MOBILE**

[72] LI, QIANG, CN

[72] YU, XIA, CN

[72] LU, DEZHONG, CN

[72] CONG, HAIYING, CN

[73] ATLAS COPCO (WUXI) COMPRESSOR CO., LTD., CN

[85] 2019-05-29

[86] 2017-12-21 (PCT/CN2017/117660)

[87] (WO2018/113720)

[30] CN (201621423806.2) 2016-12-22

[11] **3,047,037**
[13] C

[51] **Int.Cl. H04W 36/32 (2009.01)**

[25] EN

[54] **SESSION MANAGEMENT METHOD AND SYSTEM, AND TERMINAL**

[54] **PROCEDE, TERMINAL ET SYSTEME DE GESTION DE SESSION**

[72] DOU, FENGHUI, CN

[72] HE, YUE, CN

[72] JIN, HUI, CN

[72] OUYANG, GUOWEI, CN

[72] YANG, HAORUI, CN

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

[85] 2019-06-13

[86] 2017-05-09 (PCT/CN2017/083667)

[87] (WO2018/205153)

**Canadian Patents Issued
September 13, 2022**

[11] **3,050,378**
[13] C

[51] **Int.Cl. G06F 16/953 (2019.01) G06Q 30/02 (2012.01) G06F 16/954 (2019.01)**
[25] EN
[54] **NATURAL LANGUAGE CONTROL OF WEB BROWSERS**
[54] **REGLAGE DE LANGAGE NATUREL DES NAVIGATEURS WEB**
[72] BENO, TAL, CA
[72] XIA, ANDREW, CA
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[86] (3050378)
[87] (3050378)
[22] 2019-07-23
[30] US (62/703,302) 2018-07-25

[11] **3,050,659**
[13] C

[51] **Int.Cl. E06C 1/12 (2006.01)**
[25] EN
[54] **EXTENSION LADDER, SYSTEM AND METHOD**
[54] **ECHELLE A PERCHES, SYSTEME ET PROCEDE**
[72] MORA, DANIEL C., US
[72] KING, KENDAL, US
[73] WERNER CO., US
[86] (3050659)
[87] (3050659)
[22] 2019-07-26
[30] US (16/053,407) 2018-08-02

[11] **3,051,020**
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **METHOD FOR ACQUIRING USER INFORMATION AND RELEVANT DEVICE**
[54] **PROCEDE D'ACQUISITION D'INFORMATIONS D'UTILISATEUR ET DISPOSITIF PERTINENT**
[72] GAO, YUN, CN
[72] MU, CONG, CN
[73] CAINIAO SMART LOGISTICS HOLDING LIMITED, KY
[85] 2019-07-19
[86] 2018-01-10 (PCT/CN2018/072041)
[87] (WO2018/133715)
[30] CN (201710048865.9) 2017-01-20

[11] **3,051,029**
[13] C

[51] **Int.Cl. A63F 7/36 (2006.01)**
[25] EN
[54] **MODULAR BALL TRACK SYSTEM**
[54] **SYSTEME DE GORGE DE ROULEMENT A BILLES MODULAIRE**
[72] HODEK, JOHANNES, DE
[72] MUENZER, RALPH, DE
[72] TUERCK, CLEMENS, DE
[73] RAVENSBURGER VERLAG GMBH, DE
[85] 2019-07-19
[86] 2017-01-27 (PCT/EP2017/051820)
[87] (WO2018/137776)

[11] **3,051,988**
[13] C

[51] **Int.Cl. B67D 7/04 (2010.01) B67D 7/38 (2010.01) B60P 3/00 (2006.01) B60P 3/035 (2006.01) B62D 63/06 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **MOBILE DISTRIBUTION STATION HAVING AUXILIARY DELIVERY SYSTEM**
[54] **STATION DE DISTRIBUTION MOBILE AVEC SYSTEME DE LIVRAISON AUXILIAIRE**
[72] SHOCK, RICKY DEAN, US
[73] FUEL AUTOMATION STATION, LLC, US
[86] (3051988)
[87] (3051988)
[22] 2019-08-13
[30] US (16/111,601) 2018-08-24

[11] **3,053,411**
[13] C

[51] **Int.Cl. B22D 18/06 (2006.01) B22D 18/04 (2006.01) B22D 27/04 (2006.01) B22D 35/04 (2006.01) C30B 13/32 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COUNTER-GRAVITY MOLD FILLING**
[54] **PROCEDE ET APPAREIL DE REMPLISSAGE DE MOULE A CONTRE-GRAVITE**
[72] SHENDYE, SANJAY, US
[72] MICHALIK, JOSEPH C., JR., US
[73] METAL CASTING TECHNOLOGY, INC., US
[85] 2019-08-12
[86] 2018-06-07 (PCT/US2018/036402)
[87] (WO2018/226922)
[30] US (15/618,852) 2017-06-09

[11] **3,057,360**
[13] C

[51] **Int.Cl. B01L 9/06 (2006.01)**
[25] EN
[54] **OPTICAL CUP WITH A LOWER TAPERED AREA**
[54] **COUPELLE OPTIQUE A ZONE PROGRESSIVE INFERIEURE**
[72] INGBER, GAL, IL
[73] POCARED DIAGNOSTICS LTD., IL
[86] (3057360)
[87] (3057360)
[22] 2011-11-02
[62] 2,853,976
[30] US (61409675) 2010-11-03
[30] US (13286503) 2011-11-01

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,061,795**
[13] C

[51] **Int.Cl. C08L 67/02 (2006.01) C08G 63/16 (2006.01) C08G 63/80 (2006.01) C08G 63/86 (2006.01)**

[25] EN

[54] **A PROCESS FOR PREPARING A POLYMER PRODUCT HAVING A 2,5-FURANDICARBOXYLATE MOIETY WITHIN THE POLYMER BACKBONE TO BE USED IN BOTTLE, FILM OR FIBRE APPLICATIONS**

[54] **PROCEDE POUR LA PREPARATION D'UN PRODUIT POLYMERE COMPRENANT UN GROUPE FONCTIONNEL DE 2,5-FURANDICARBOXYLATE DANS LE SQUELETTE DE POLYMERE DESTINE A ETRE UTILISE DANS DES APPLICAT IONS EN BOUTEILLE, EN FILM OU EN FIBRE**

[72] SIPOS, LASZLO, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] KOLSTAD, JEFFREY JOHN, NL
[72] DAM, MATHEUS ADRIANUS, NL
[73] FURANIX TECHNOLOGIES B.V., NL
[86] (3061795)
[87] (3061795)
[22] 2012-10-24
[62] 2,853,244
[30] US (61/550,707) 2011-10-24
[30] NL (2007650) 2011-10-25

[11] **3,062,806**
[13] C

[51] **Int.Cl. A61K 31/575 (2006.01) A61K 31/58 (2006.01) A61P 9/00 (2006.01)**

[25] EN

[54] **SYNTHETIC TRITERPENOIDS AND METHODS OF USE IN THE TREATMENT OF DISEASE**

[54] **TRITERPENOIDES SYNTHETIQUES ET PROCEDES D'UTILISATION DANS LE TRAITEMENT DE MALADIES**

[72] SPORN, MICHAEL, US
[72] LIBY, KAREN, US
[72] GRIBBLE, GORDON W., US
[72] HONDA, TADASHI, US
[72] KRAL, ROBERT M., US
[72] MEYER, COLIN J., US
[73] TRUSTEES OF DARTMOUTH COLLEGE, US
[73] REATA PHARMACEUTICALS HOLDINGS, LLC, US
[86] (3062806)
[87] (3062806)
[22] 2009-01-12
[62] 2,955,987
[30] US (61/020,624) 2008-01-11
[30] US (61/109,114) 2008-10-28

[11] **3,062,950**
[13] C

[51] **Int.Cl. G02C 9/00 (2006.01) G02C 7/02 (2006.01) G02C 9/04 (2006.01)**

[25] EN

[54] **MAGNETIC EYEGLASSES ATTACHMENTS COMPRISING DECORATIVE ELEMENTS AND/OR FUNCTIONAL ELEMENTS INCLUDING LENSES**

[54] **ACCESSOIRES DE LUNETTES MAGNETIQUES COMPRENANT DES ELEMENTS DECORATIFS ET/OU DES ELEMENTS FONCTIONNELS COMPRENANT DES LENTILLES**

[72] JIN, JING, CN
[72] JIN, HUI, CN
[72] PENG, RENXIN, CN
[73] JIN, JING, CN
[73] JIN, HUI, CN
[73] PENG, RENXIN, CN
[85] 2019-11-08
[86] 2018-03-21 (PCT/CN2018/079775)
[87] (WO2018/205750)
[30] CN (201720510476.9) 2017-05-10

[11] **3,063,211**
[13] C

[51] **Int.Cl. F16K 31/60 (2006.01) G05G 9/00 (2006.01)**

[25] EN

[54] **FAUCET HANDLE WITH DUAL VALVE STEM CAVITIES**

[54] **POIGNEE DE ROBINET AVEC DEUX CAVITES DE TIGE DE SOUPE**

[72] JONES, ROBERT, US
[72] MANOJ, JON, US
[73] DANCO, INC., US
[86] (3063211)
[87] (3063211)
[22] 2019-11-28
[30] US (62/772851) 2018-11-29
[30] US (16/690747) 2019-11-21

[11] **3,063,778**
[13] C

[51] **Int.Cl. F24F 7/02 (2006.01) E04D 13/17 (2006.01) F24F 13/08 (2006.01)**

[25] EN

[54] **ROOF VENT WITH INTEGRATED SHIELD**

[54] **EVENT DE TOIT A PLAQUE DE PROTECTION INTEGREE**

[72] BOURQUE, ANTOINE, CA
[73] SNOWVENTCO LIMITED, CA
[85] 2019-11-15
[86] 2018-05-15 (PCT/CA2018/000096)
[87] (WO2018/209424)
[30] US (62/506,122) 2017-05-15

[11] **3,064,400**
[13] C

[51] **Int.Cl. H04L 12/22 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR REDUCING SECURITY RISK IN A NETWORKED COMPUTER SYSTEM ARCHITECTURE**

[54] **PROCEDE ET APPAREIL POUR REDUIRE LE RISQUE DE SECURITE DANS UNE ARCHITECTURE DE SYSTEME INFORMATIQUE EN RESEAU**

[72] HENDERSON, LISA, US
[72] BERNAL, JOSE, US
[72] BOYLE, BRYAN, US
[72] TAMIR, GIORA, US
[73] SERVICENOW, INC., US
[86] (3064400)
[87] (3064400)
[22] 2017-04-11
[62] 3,000,827
[30] US (15/096,715) 2016-04-12

**Canadian Patents Issued
September 13, 2022**

[11] **3,065,083**
[13] C

[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23K 10/16 (2016.01) A23L 29/00 (2016.01) A23L 33/135 (2016.01)**

[25] EN

[54] **LACTOBACILLUS CURVATUS WIKIM55 HAVING ACTIVITY OF PROMOTING HAIR GROWTH AND COMPOSITION CONTAINING SAME**

[54] **LACTOBACILLUS CURVATUS WIKIM55 A ACTIVITE FAVORISANT LA POUSSE DES CHEVEUX ET COMPOSITION LE CONTENANT**

[72] CHOI, HAK JONG, KR
[72] KWON, MIN SUNG, KR
[72] LIM, SEUL KI, KR
[72] OH, YOUNG JOON, KR
[72] JANG, JA YOUNG, KR
[72] LEE, JI EUN, KR
[73] KOREA FOOD RESEARCH INSTITUTE, KR
[85] 2019-11-26
[86] 2018-05-30 (PCT/KR2018/006148)
[87] (WO2018/221956)
[30] KR (10-2017-0068238) 2017-06-01

[11] **3,065,775**
[13] C

[51] **Int.Cl. C08L 23/08 (2006.01)**

[25] EN

[54] **BLENDS OF LINEAR LOW DENSITY POLYETHYLENES**

[54] **MELANGES DE POLYETHYLENES LINEAIRES BASSE DENSITE**

[72] CHANDAK, SWAPNIL B., US
[72] BORSE, NITIN, US
[73] UNIVATION TECHNOLOGIES, LLC, US
[85] 2019-11-29
[86] 2018-05-29 (PCT/US2018/034845)
[87] (WO2018/222571)
[30] US (62/512,865) 2017-05-31

[11] **3,066,089**
[13] C

[51] **Int.Cl. C08G 75/00 (2006.01) C08G 75/02 (2016.01)**

[25] EN

[54] **DUAL CURE SEALANTS**

[54] **PRODUITS D'ETANCHEITE A DOUBLE DURCISSEMENT**

[72] LIU, JIANCHENG, US
[72] PATHAK, SRIKANT, US
[72] VIRNELSON, BRUCE, US
[73] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2019-12-03
[86] 2018-06-08 (PCT/US2018/036746)
[87] (WO2018/227149)
[30] US (62/517,648) 2017-06-09

[11] **3,066,583**
[13] C

[51] **Int.Cl. G01F 23/80 (2022.01) G01F 22/02 (2006.01) G01F 23/38 (2006.01)**

[25] EN

[54] **LIQUID LEVEL GAUGE ASSEMBLY WITH INTEGRAL ELECTRONIC DISPLAY**

[54] **ASSEMBLAGE D'INDICATEUR DE NIVEAU A NIVEAU VISUEL COMPRENANT UN AFFICHAGE ELECTRONIQUE INTEGRE**

[72] LEASE, BENJAMIN, US
[72] ROSS, HERBERT G. JR., US
[73] ROCHESTER SENSORS, LLC, US
[85] 2020-01-06
[86] 2018-09-24 (PCT/US2018/052401)
[87] (WO2020/060575)
[30] US (16/139,086) 2018-09-23

[11] **3,066,650**
[13] C

[51] **Int.Cl. B23K 26/34 (2014.01) B23K 26/348 (2014.01) B23K 9/10 (2006.01) B23K 26/06 (2014.01) B23K 26/067 (2006.01) B23K 26/14 (2014.01)**

[25] EN

[54] **COAXIAL LASER HOTWIRE HEAD**

[54] **TETE DE FIL CHAUD A LASER COAXIAL**

[72] LIU, SHUANG, US
[72] MILLER, ERIK, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2019-12-06
[86] 2018-06-08 (PCT/US2018/036672)
[87] (WO2018/227097)
[30] US (62/517,781) 2017-06-09
[30] US (16/003,263) 2018-06-08

[11] **3,068,061**
[13] C

[51] **Int.Cl. H04W 52/24 (2009.01) H03F 1/02 (2006.01) H03F 3/24 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR REDUCING POWER CONSUMPTION OF POWER AMPLIFIER**

[54] **METHODE ET DISPOSITIF POUR REDUIRE LA CONSOMMATION D'ENERGIE**

[72] SUN, LIGUO, CN
[72] HUO, SHUDONG, CN
[72] LIU, XUEWEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-11
[86] 2017-06-12 (PCT/CN2017/087974)
[87] (WO2018/227347)

[11] **3,068,089**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/352 (2006.01)**

[25] EN

[54] **CANNABINOID POUCH**

[54] **SACHET DE CANNABINOIDES**

[72] BRUUN, HEIDI ZIEGLER, DK
[73] NORDICCAN A/S, DK
[85] 2019-12-20
[86] 2017-06-23 (PCT/DK2017/050210)
[87] (WO2018/233782)

[11] **3,068,220**
[13] C

[51] **Int.Cl. A47L 23/20 (2006.01) A43D 95/10 (2006.01) D06F 59/06 (2006.01) F26B 21/00 (2006.01)**

[25] EN

[54] **APPAREL DRYING ASSEMBLIES AND METHODS OF DRYING APPAREL**

[54] **ENSEMBLES DE SECHAGE D'ARTICLES VESTIMENTAIRES ET PROCEDES DE SECHAGE D'ARTICLES VESTIMENTAIRES**

[72] HINKEY, LAWRENCE A., US
[73] HINKEY, LAWRENCE A., US
[85] 2019-12-20
[86] 2017-06-27 (PCT/US2017/039501)
[87] (WO2018/005490)
[30] US (15/195,250) 2016-06-28

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,068,294**
[13] C

[51] **Int.Cl. H01H 23/04 (2006.01) H02G 3/14 (2006.01) H01H 23/14 (2006.01)**
[25] EN
[54] **CONTROL DEVICE BASE THAT ATTACHES TO THE PADDLE ACTUATOR OF A MECHANICAL SWITCH**
[54] **BASE DE DISPOSITIF DE COMMANDE QUI SE FIXE A L'ACTIONNEUR A PALETTE D'UN COMMUTATEUR MECANIQUE**
[72] DIMBERG, CHRIS, US
[72] MCDONALD, MATTHEW PHILIP, US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2019-12-20
[86] 2018-06-26 (PCT/US2018/039523)
[87] (WO2019/005810)
[30] US (62/526,323) 2017-06-28

[11] **3,068,761**
[13] C

[51] **Int.Cl. G06F 16/50 (2019.01) G06F 16/53 (2019.01)**
[25] EN
[54] **ARCHITECTURE FOR RESPONDING TO A VISUAL QUERY**
[54] **ARCHITECTURE POUR REpondre A UNE INTERROGATION VISUELLE**
[72] PETROU, DAVID, US
[73] GOOGLE LLC, US
[86] (3068761)
[87] (3068761)
[22] 2010-08-05
[62] 2,771,094
[30] US (61/232,397) 2009-08-07
[30] US (61/266,116) 2009-12-02
[30] US (12/850,483) 2010-08-04

[11] **3,068,934**
[13] C

[51] **Int.Cl. G09G 5/00 (2006.01)**
[25] EN
[54] **HANDS-FREE AUGMENTED REALITY SYSTEM FOR PICKING AND/OR SORTING ASSETS**
[54] **SYSTEME DE REALITE AUGMENTEE MAINS LIBRES POUR LE PRELEVEMENT ET/OU LE TRI D'ACTIFS**
[72] GIL, JULIO, NL
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2020-01-03
[86] 2018-08-15 (PCT/US2018/000143)
[87] (WO2019/035879)
[30] US (62/545,752) 2017-08-15
[30] US (16/103,566) 2018-08-14

[11] **3,069,631**
[13] C

[51] **Int.Cl. G01N 21/90 (2006.01)**
[25] EN
[54] **INSPECTION DEVICE WITH COLOUR LIGHTING**
[54] **DISPOSITIF D'INSPECTION COMPRENANT UN ECLAIRAGE DE COULEUR**
[72] HEUFT, BERNHARD, DE
[72] NONNEN, JORG, DE
[73] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2020-01-10
[86] 2018-09-06 (PCT/EP2018/074065)
[87] (WO2019/048575)
[30] DE (10 2017 008 406.8) 2017-09-07

[11] **3,069,685**
[13] C

[51] **Int.Cl. H04N 21/61 (2011.01) H03M 13/27 (2006.01) H04J 11/00 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **BROADCAST SIGNAL TRANSMISSION APPARATUS, BROADCAST SIGNAL RECEPTION APPARATUS, BROADCAST SIGNAL TRANSMISSION METHOD, AND BROADCAST SIGNAL RECEPTION METHOD**
[54] **APPAREIL DE TRANSMISSION DE SIGNAUX DE DIFFUSION, APPAREIL DE RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE DE TRANSMISSION DE SIGNAUX DE DIFFUSION, ET PROCEDE DE RECEPTION DE SIGNAU X DE DIFFUSION**
[72] BAEK, JONGSEOB, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[73] LG ELECTRONICS INC., KR
[86] (3069685)
[87] (3069685)
[22] 2015-07-07
[62] 2,973,073
[30] US (62/099,594) 2015-01-05

[11] **3,070,380**
[13] C

[51] **Int.Cl. A47C 7/40 (2006.01) A47C 1/022 (2006.01) A47C 5/12 (2006.01) A47C 7/14 (2006.01)**
[25] EN
[54] **BACK SUPPORT FOR A CHAIR**
[54] **SUPPORT LOMBAIRE DESTINE A UNE CHAISE**
[72] BEYER, PETER J., US
[72] FLEET, KYLE R., US
[72] SCHASEL, MICHAEL E., US
[72] KERCHER, TODD A., US
[72] GESSLER, BRIAN S., US
[72] BELLINGAR, TERESA A., US
[73] HAWORTH, INC., US
[86] (3070380)
[87] (3070380)
[22] 2017-01-27
[62] 2,956,562
[30] US (15/042,723) 2016-02-12

**Canadian Patents Issued
September 13, 2022**

[11] **3,070,644**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **AUTOINJECTOR SYSTEM**
[54] **SYSTEME D'AUTO-INJECTION**
[72] SLATE, JOHN B., US
[72] BURK, MICHAEL W., US
[72] KOERNER, RICHARD J., US
[72] MAGERS, COREY M., US
[72] BARNES, ANDREW C., US
[73] AVANT MEDICAL CORP., US
[86] (3070644)
[87] (3070644)
[22] 2009-05-20
[62] 2,724,641
[30] US (12/123,888) 2008-05-20
[30] US (12/178,447) 2008-07-23

[11] **3,070,978**
[13] C

[51] **Int.Cl. G01N 24/08 (2006.01) G01R 33/44 (2006.01)**
[25] EN
[54] **ESTIMATING FORMATION PROPERTIES USING SATURATION PROFILES**
[54] **ESTIMATION DE PROPRIETES DE FORMATION A L'AIDE DE PROFILS DE SATURATION**
[72] AL-HARBI, AHMAD MUBARAK, SA
[72] KWAK, HYUNG TAE, SA
[72] GAO, JUN, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-23
[86] 2018-07-23 (PCT/US2018/043285)
[87] (WO2019/023130)
[30] US (15/661,852) 2017-07-27

[11] **3,070,982**
[13] C

[51] **Int.Cl. G01N 35/00 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **ANALYZER CARTRIDGE WITH CAPILLARY WIPER**
[54] **CARTOUCHE D'ANALYSEUR A BALAI CAPILLAIRE**
[72] YOUNG, CHUNG CHANG, US
[72] SCOTT, JONATHAN, US
[72] DELLEMONACHE, MAURO, US
[73] NOVA BIOMEDICAL CORPORATION, US
[85] 2020-01-23
[86] 2018-07-31 (PCT/US2018/044564)
[87] (WO2019/027996)
[30] US (15/665,693) 2017-08-01

[11] **3,071,329**
[13] C

[51] **Int.Cl. F16J 15/34 (2006.01)**
[25] EN
[54] **SLIP RING SEALING ARRANGEMENT AND SLIP RING SEALING KIT**
[54] **SYSTEME DE GARNITURE MECANIQUE ET MODULE A GARNITURE MECANIQUE**
[72] ONGERTH, DORIS, DE
[72] RIES, WOLFGANG, DE
[73] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
[85] 2020-01-28
[86] 2018-08-09 (PCT/EP2018/071609)
[87] (WO2019/034519)
[30] DE (10 2017 214 132.8) 2017-08-14

[11] **3,072,576**
[13] C

[51] **Int.Cl. H04B 1/00 (2006.01) H04W 36/00 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04W 74/02 (2009.01) H04W 74/04 (2009.01) H04W 74/08 (2009.01) H04B 17/318 (2015.01) H04W 76/18 (2018.01) H04W 76/19 (2018.01) H04B 7/06 (2006.01) H04B 7/08 (2006.01) H04L 1/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SELECTING RESOURCES TO TRANSMIT A BEAM FAILURE RECOVERY REQUEST**
[54] **SYSTEME ET PROCEDE DE SELECTION DE RESSOURCES PERMETTANT LA TRANSMISSION D'UNE DEMANDE DE RECUPERATION DE DEFAILLANCE DE FAISCEAU**
[72] NAGARAJA, SUMEETH, US
[72] LUO, TAO, US
[73] QUALCOMM INCORPORATED, US
[85] 2020-02-07
[86] 2018-09-11 (PCT/US2018/050469)
[87] (WO2019/051487)
[30] US (62/557,106) 2017-09-11
[30] US (16/126,888) 2018-09-10

[11] **3,073,434**
[13] C

[51] **Int.Cl. E21B 17/10 (2006.01)**
[25] EN
[54] **MULTIPLE POSITION DRILLING STABILIZER**
[54] **STABILISATEUR DE PERCAGE A POSITIONS MULTIPLES**
[72] CROWTHER, MIKE, CA
[72] COMEAU, LAURIER E., CA
[72] MARTINEZ, KAIDEL, CA
[72] RUSSELL, JAYSON, CA
[73] ARRIVAL OIL TOOLS, INC., CA
[86] (3073434)
[87] (3073434)
[22] 2020-02-24
[30] US (16/276,046) 2019-02-14

[11] **3,073,586**
[13] C

[51] **Int.Cl. G01N 37/00 (2006.01) A61B 5/00 (2006.01) A61B 5/07 (2006.01)**
[25] EN
[54] **ELECTRODYNAMIC FIELD STRENGTH TRIGGERING SYSTEM**
[54] **SYSTEME DE DECLenchEMENT D'INTENSITE DE CHAMP ELECTRODYNAMIQUE**
[72] COLVIN, ARTHUR E., US
[72] DEHENNIS, ANDREW, US
[73] SENSEONICS, INCORPORATED, US
[86] (3073586)
[87] (3073586)
[22] 2012-10-11
[62] 2,851,792
[30] US (61/545,874) 2011-10-11
[30] US (61/597,496) 2012-02-10

[11] **3,074,157**
[13] C

[51] **Int.Cl. A47K 11/02 (2006.01) F23G 7/00 (2006.01)**
[25] EN
[54] **INCINERATION TOILET**
[54] **TOILETTES A INCINERATION**
[72] ASLAKSEN, ODD ARNE, NO
[73] SIRIUS TECHNOLOGY AS, NO
[86] (3074157)
[87] (3074157)
[22] 2013-09-06
[62] 2,883,194
[30] NO (20121008) 2012-09-06

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,074,213**

[13] C

- [51] **Int.Cl. G01N 21/17 (2006.01)**
[25] EN
[54] **DEVICE FOR IMPROVING GAS DETECTION IN PHOTOIONIZATION DETECTOR**
[54] **DISPOSITIF POUR AMELIORER LA DETECTION DE GAZ DANS LE DETECTEUR DE PHOTOIONISATION**
[72] LIU, CHANG, US
[72] XIE, GUANGLI, US
[72] WANG, ZHIGUO, US
[72] CHEN, BO, US
[72] ZHANG, YANG, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3074213)
[87] (3074213)
[22] 2020-02-28
[30] CN (201920254732.1) 2019-02-28

[11] **3,075,198**

[13] C

- [51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **PNEUMATIC VEHICLE TYRES HAVING A PROFILED TREAD WITH STUDS**
[54] **PNEUMATIQUE DE VEHICULE AUTOMOBILE EQUIPE DE BANDE DE ROULEMENT PROFILEE A CRAMpons**
[72] SCHLITTENHARD, JAN, DE
[72] KOTTER, MAIK, DE
[72] SPECHTMEYER, TORBEN, DE
[72] WIESE, KLAUS, DE
[73] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-03-06
[86] 2018-07-12 (PCT/EP2018/068914)
[87] (WO2019/081080)
[30] DE (10 2017 219 036.1) 2017-10-25

[11] **3,077,670**

[13] C

- [51] **Int.Cl. G01S 1/04 (2006.01)**
[25] EN
[54] **LORAN DEVICE WITH ELECTRICALLY SHORT ANTENNA AND CRYSTAL RESONATOR AND RELATED METHODS**
[54] **APPAREIL LORAN AVEC ANTENNE A COURTE CAVITE ET RESONATEUR A CRISTAL ET PROCEDES CONNEXES**
[72] PARSCHE, FRANCIS E., US
[73] EAGLE TECHNOLOGY, LLC, US
[86] (3077670)
[87] (3077670)
[22] 2020-04-01
[30] US (16/374,069) 2019-04-03

[11] **3,077,801**

[13] C

- [51] **Int.Cl. A61B 10/02 (2006.01) A61B 17/32 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **BIOPSY DEVICE WITH INNER CUTTING MEMBER**
[54] **DISPOSITIF DE BIOPSIE AVEC ELEMENT DE COUPE INTERNE**
[72] QUICK, RICHARD L., US
[72] LOUW, FRANK R., US
[72] LUBOCK, PAUL, US
[72] SHABAZ, MARTIN V., US
[72] SAFABASH, JASON, US
[73] SENORX, INC., US
[86] (3077801)
[87] (3077801)
[22] 2004-02-20
[62] 2,926,638
[30] US (10/374,915) 2003-02-24
[30] US (10/642,406) 2003-08-15
[30] US (60/532,277) 2003-12-23

[11] **3,077,808**

[13] C

- [51] **Int.Cl. E02F 3/30 (2006.01) E02F 3/38 (2006.01) E21C 27/00 (2006.01) E21C 35/00 (2006.01)**
[25] EN
[54] **BOOM AND DIPPER HANDLE ASSEMBLY FOR AN INDUSTRIAL MACHINE**
[54] **ENSEMBLE DE BALAI ET POIGNEE DE GODET POUR UNE MACHINE INDUSTRIELLE**
[72] HREN, WILLIAM, US
[73] JOY GLOBAL SURFACE MINING INC, US
[86] (3077808)
[87] (3077808)
[22] 2013-03-27
[62] 2,810,879
[30] US (61/619,361) 2012-04-02
[30] US (13/831,295) 2013-03-14

[11] **3,078,268**

[13] C

- [51] **Int.Cl. B07B 1/42 (2006.01) B06B 1/16 (2006.01)**
[25] EN
[54] **SCREENING SYSTEM WITH VIBRATION-NODE-ARRANGED VIBRATION SYSTEMS**
[54] **SYSTEME DE TAMISAGE COMPRENANT DES SYSTEMES DE VIBRATION DISPOSES AUX NOEUDS DE VIBRATION**
[72] LEUSCHEN, GUIDO, DE
[73] THYSSENKRUPP AG, DE
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[85] 2020-04-02
[86] 2018-10-08 (PCT/EP2018/077269)
[87] (WO2019/072741)
[30] LU (LU100478) 2017-10-13

**Canadian Patents Issued
September 13, 2022**

[11] **3,079,235**
[13] C

[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/06 (2006.01) B65F 1/16 (2006.01)**

[25] EN

[54] **GARBAGE BAG PACKING MECHANISM AND INTELLIGENT TRASH BIN**

[54] **MECANISME D'EMBALLAGE DE SAC POUBELLE ET POUBELLE INTELLIGENTE**

[72] LI, JIANXIANG, CN

[72] LI, LE, CN

[73] SHANGHAI TOWNEW INTELLIGENT TECHNOLOGY CO., LTD., CN

[85] 2020-04-16

[86] 2018-09-10 (PCT/CN2018/104786)

[87] (WO2019/237525)

[30] CN (201810623551.1) 2018-06-16

[11] **3,079,595**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 3/08 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C07K 14/72 (2006.01)**

[25] EN

[54] **HUMAN ANTIBODIES TO THE GLUCAGON RECEPTOR**

[54] **ANTICORPS HUMAINS POUR LE RECEPTEUR DU GLUCAGON**

[72] OKAMOTO, HARUKA, US

[72] SLEEMAN, MARK, AU

[72] HARP, JOYCE, US

[73] REGENERON PHARMACEUTICALS, INC., US

[86] (3079595)

[87] (3079595)

[22] 2011-11-22

[62] 2,818,426

[30] US (61/416,409) 2010-11-23

[30] US (61/481,958) 2011-05-03

[30] US (61/551,032) 2011-10-25

[11] **3,079,646**
[13] C

[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/44 (2014.01) H04N 19/573 (2014.01)**

[25] EN

[54] **PREDICTIVE ENCODING METHOD, PREDICTIVE ENCODING DEVICE, AND PREDICTIVE ENCODING PROGRAM OF MOTION VECTOR, AND, PREDICTIVE DECODING METHOD, PREDICTIVE DECODING DEVICE, AND PREDICTIVE DECODING PROGRAM OF MOTION VECTOR**

[54] **PROCEDE DE CODAGE DE PREDICTION, DISPOSITIF DE CODAGE DE PREDICTION ET PROGRAMME DE CODAGE DE PREDICTION, AINSI QUE PROCEDE DE DECODAGE DE PREDICTION, DISPOSITIF DE DECODAGE DE PREDICTION ET PROGRAMME DE DECODAGE DE PREDICTION POUR VECTEUR DE MOUVEMENT**

[72] BOON, CHOONG SENG, JP

[72] SUZUKI, YOSHINORI, JP

[72] FUJIBAYASHI, AKIRA, JP

[73] NTT DOCOMO, INC., JP

[86] (3079646)

[87] (3079646)

[22] 2011-12-20

[62] 2,933,341

[30] JP (2011-002205) 2011-01-07

[11] **3,079,790**
[13] C

[51] **Int.Cl. E04H 12/16 (2006.01) E04H 12/08 (2006.01) E04H 12/12 (2006.01)**

[25] EN

[54] **ANNULAR BRACKET FOR EXTERNALLY LOADING A TOWER SEGMENT, EXTERNAL LOADING SYSTEM OF A HYBRID TOWER, TOWER SECTION OF A HYBRID TOWER, HYBRID TOWER, WIND TURBINE, AND ASSEMBLY METHOD OF AN EXTERNAL LOADING SYSTEM FOR A HYBRID TOWER**

[54] **CONSOLE ANNULAIRE DESTINEE AU SERRAGE EXTERNE D'UN SEGMENT DE TOUR, SYSTEME DE SERRAGE EXTERNE D'UNE TOUR HYBRIDE, SECTION DE TOUR D'UNE TOUR HYBRIDE, TOUR HYBRIDE, EOLIENNE ET PROCEDE DE MONTAGE D'UN SYSTEME DE SERRAGE EXTERNE POUR UNE TOUR HYBRIDE**

[72] KERSTEN, ROY, DE

[72] ROTHEL, STEFFEN, DE

[73] WOBLEN PROPERTIES GMBH, DE

[85] 2020-04-21

[86] 2018-10-23 (PCT/EP2018/079006)

[87] (WO2019/081491)

[30] DE (10 2017 125 060.3) 2017-10-26

[11] **3,080,298**
[13] C

[51] **Int.Cl. C09D 11/52 (2014.01)**

[25] EN

[54] **CONDUCTIVE INK COMPOSITION AND ARTICLE OF MANUFACTURE MADE THEREFROM**

[54] **COMPOSITION D'ENCRE CONDUCTRICE ET ARTICLE FABRIQUE A PARTIR DE CELLE-CI**

[72] VELLA, SARAH J., CA

[72] ZHU, YUJIE, CA

[72] MCGUIRE, GREGORY, CA

[73] XEROX CORPORATION, US

[86] (3080298)

[87] (3080298)

[22] 2020-05-04

[30] US (16/405806) 2019-05-07

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,081,014**
[13] C

[51] **Int.Cl. C22B 3/08 (2006.01) C22B 3/26 (2006.01) C22B 3/46 (2006.01) C25C 1/12 (2006.01) C25C 1/16 (2006.01) C22B 11/00 (2006.01) C22B 13/00 (2006.01) C22B 15/00 (2006.01) C22B 19/20 (2006.01)**

[25] EN

[54] **METHOD OF EXTRACTING METALS FROM POLYMETALLIC SULPHIDE ORES OR CONCENTRATES**

[54] **PROCEDE POUR EXTRAIRE LES METAUX DES CONCENTRES OU DES MINERAIS DE SULFURES POLYMETALLIQUES**

[72] FRIAS GOMEZ, CARLOS, ES
[72] SANCHEZ RUIZ, FRANCISCO, ES
[72] BLANCO AVILES, JORGE ANTONIO, ES
[73] COBRE LAS CRUCES, S.A.U., ES
[86] (3081014)
[87] (3081014)
[22] 2020-05-12
[30] ES (P201930435) 2019-05-17

[11] **3,081,121**
[13] C

[51] **Int.Cl. A61F 11/06 (2006.01) A61F 11/14 (2006.01) G01H 17/00 (2006.01)**

[25] EN

[54] **HEARING PROTECTION DEVICES, NOISE EXPOSURE SENSORS THEREFOR, AND SENSOR HOUSINGS AND ASSOCIATED METHODS FOR THE SAME**

[54] **APPAREILS PROTECTEURS D'OREILLE, CAPTEURS D'EXPOSITION AU BRUIT ASSOCIES, ET BOITIERS DES CAPTEURS ET LEURS PROCEDES CONNEXES**

[72] KARA, PETER, US
[72] PERTOT, ERIK, US
[72] CHEN, MATTHEW, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3081121)
[87] (3081121)
[22] 2020-05-21
[30] EP (19176573.4) 2019-05-24

[11] **3,081,789**
[13] C

[51] **Int.Cl. B61K 3/00 (2006.01) H02S 10/00 (2014.01) F03D 9/30 (2016.01) F16N 7/38 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DISPENSING A LUBRICANT TO THE RAIL AND DETERMINING THE AMOUNT OF LUBRICANT DISPENSED AND REMAINING**

[54] **APPAREIL ET PROCEDE POUR DELIVRER UN LUBRIFIANT AU RAIL ET DETERMINER LA QUANTITE DE LUBRIFIANT DELIVRE ET RESTANT**

[72] ANDERSON, STEVEN D., US
[73] WHITMORE MANUFACTURING, LLC, US
[85] 2020-05-05
[86] 2018-05-14 (PCT/US2018/032499)
[87] (WO2019/221691)

[11] **3,082,225**
[13] C

[51] **Int.Cl. H01F 13/00 (2006.01)**

[25] EN

[54] **INLINE DEMAGNETIZATION FOR OPERATIONAL PIPELINES**

[54] **DEMAGNETISATION EN LIGNE POUR PIPELINES FONCTIONNELS**

[72] SUTHERLAND, JEFFREY EARLE, CA
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[86] (3082225)
[87] (3082225)
[22] 2020-05-25
[30] US (16/423518) 2019-05-28

[11] **3,082,642**
[13] C

[51] **Int.Cl. G02C 13/00 (2006.01) G06T 19/20 (2011.01) A61B 5/107 (2006.01)**

[25] EN

[54] **METHOD, DEVICE AND COMPUTER PROGRAM FOR VIRTUALLY ADJUSTING THE SPECTACLE FRAME**

[54] **PROCEDE, DISPOSITIF ET PROGRAMME INFORMATIQUE POUR ADAPTER VIRTUELLEMENT UNE MONTURE DE LUNETTES**

[72] SCHWARZ, OLIVER, DE
[72] IHRKE, IVO, DE
[73] CARL ZEISS VISION INTERNATIONAL GMBH, DE
[86] (3082642)
[87] (3082642)
[22] 2018-06-01
[62] 3,065,878
[30] EP (17173929.5) 2017-06-01

[11] **3,083,650**
[13] C

[51] **Int.Cl. B64G 1/00 (2006.01) B64G 1/10 (2006.01) B64G 1/64 (2006.01)**

[25] EN

[54] **METHOD FOR THE SAFE RELEASE OF ARTIFICIAL SATELLITES IN EARTH'S ORBIT**

[54] **PROCEDE DE LANCEMENT SECURISE DE SATELLITES ARTIFICIELS DANS UNE ORBITE TERRESTRE**

[72] ROSSETTINI, LUCA, IT
[72] FERRARIO, LORENZO, IT
[72] ARENA, LORENZO, IT
[73] D-ORBIT S.P.A., IT
[85] 2020-05-26
[86] 2018-11-29 (PCT/IB2018/059456)
[87] (WO2019/106595)
[30] IT (102017000138590) 2017-12-01

[11] **3,083,766**
[13] C

[51] **Int.Cl. B65D 5/36 (2006.01) B65D 5/42 (2006.01)**

[25] EN

[54] **PACKAGING BOX**

[54] **BOITE D'EMBALLAGE**

[72] JUN, JOON HEE, KR
[73] EYEMEE THE BEAUTY CO., LTD., KR
[85] 2020-05-27
[86] 2018-06-01 (PCT/KR2018/006265)
[87] (WO2019/107684)
[30] KR (10-2017-0160381) 2017-11-28

**Canadian Patents Issued
September 13, 2022**

[11] **3,084,535**
[13] C

[51] **Int.Cl. F15B 11/12 (2006.01)**
[25] EN
[54] **PROPORTIONAL CONTROL FLUID ACTUATOR**
[54] **ACTIONNEUR DE FLUIDE DE REGULATION A ACTION PROPORTIONNELLE**
[72] THOMPSON, KENNETH E., US
[72] TIETZ, RYAN S., US
[72] DANDAMUDI, VINAY, US
[73] AIR POWER SYSTEMS CO., LLC, US
[86] (3084535)
[87] (3084535)
[22] 2020-06-22
[30] US (62/865,547) 2019-06-24
[30] US (16/670,246) 2019-10-31

[11] **3,085,298**
[13] C

[51] **Int.Cl. C22C 38/00 (2006.01) C21D 9/46 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **HOT-ROLLED STEEL SHEET FOR COILED TUBING AND METHOD FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER LAMINE A CHAUD POUR TUBE SPIRALE ET METHODE DE FABRICATION**
[72] KIMURA, HIDEYUKI, JP
[72] KAWAMURA, SHUJI, JP
[72] SUGIMOTO, ICHIRO, JP
[72] ASAI, MAKOTO, JP
[72] YOKOTA, TAKESHI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-06-09
[86] 2019-01-16 (PCT/JP2019/000995)
[87] (WO2019/146458)
[30] JP (2018-012254) 2018-01-29

[11] **3,085,552**
[13] C

[51] **Int.Cl. B64C 3/14 (2006.01) B64C 30/00 (2006.01)**
[25] EN
[54] **TRANSONIC AIRFOIL, WING, AND AIRCRAFT**
[54] **SURFACE PORTANTE TRANSSONIQUE, AILE ET AERONEF**
[72] TOKUGAWA, NAOKO, JP
[72] YUHARA, TATSUNORI, JP
[73] JAPAN AEROSPACE EXPLORATION AGENCY, JP
[85] 2020-06-11
[86] 2018-10-10 (PCT/JP2018/037668)
[87] (WO2019/116697)
[30] JP (2017-237651) 2017-12-12

[11] **3,086,686**
[13] C

[51] **Int.Cl. H04B 1/3822 (2015.01) B64C 1/36 (2006.01) H01Q 1/28 (2006.01) H04B 1/59 (2006.01) H04B 7/26 (2006.01) H01Q 9/16 (2006.01) H01Q 9/30 (2006.01)**
[25] EN
[54] **A WIRELESS COMMUNICATION SYSTEM WITHIN AN EXTERNAL ENCLOSURE FOR ATTACHMENT TO A VEHICLE**
[54] **SYSTEME DE COMMUNICATION SANS FIL A L'INTERIEUR D'UNE ENCEINTE EXTERNE POUR FIXATION A UN VEHICULE**
[72] RAMSEY, CHRISTIAN, US
[72] BEARD, PAUL, US
[72] WALKER, JEFFREY, US
[72] BRAUN, RYAN, US
[73] UAVIONIX CORPORATION, US
[86] (3086686)
[87] (3086686)
[22] 2020-07-10
[30] US (62/873548) 2019-07-12
[30] US (16/910889) 2020-06-24

[11] **3,089,019**
[13] C

[51] **Int.Cl. B08B 3/02 (2006.01) A47F 10/04 (2006.01) B60S 3/04 (2006.01)**
[25] EN
[54] **MOVING TUNNEL SANITIZER**
[54] **DESINFECTANT A TUNNEL MOBILE**
[72] LOPEZ, JAVIER, US
[73] LOPEZ, JAVIER, US
[86] (3089019)
[87] (3089019)
[22] 2020-08-05
[30] US (16936185) 2020-07-22

[11] **3,089,488**
[13] C

[51] **Int.Cl. H04B 11/00 (2006.01)**
[25] EN
[54] **PHASE SHIFT KEYED SIGNALING TONE**
[54] **TONALITE DE SIGNALISATION MODULEE PAR DEPLACEMENT DE PHASE**
[72] PRINCE, DANIEL PAUL, US
[72] FARRAR, REBEKAH L, US
[72] KNAUER, WILLIAM, US
[73] LISNR, INC., US
[85] 2020-07-16
[86] 2018-12-19 (PCT/US2018/066362)
[87] (WO2019/126251)
[30] US (15/847,205) 2017-12-19

[11] **3,090,312**
[13] C

[51] **Int.Cl. A61L 2/10 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD FOR STERILIZATION OF INSTRUMENTS AND SURFACES**
[54] **DISPOSITIF ET PROCEDE DE STERILISATION D'INSTRUMENTS ET DE SURFACES**
[72] ROCK, GAIL, CA
[73] ROCK, GAIL, CA
[86] (3090312)
[87] (3090312)
[22] 2013-11-01
[62] 2,832,380
[30] US (61/722,597) 2012-11-05
[30] US (13/839,011) 2013-03-15

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,090,668**
[13] C

[51] **Int.Cl. B60W 30/095 (2012.01) B60W 30/09 (2012.01) G01S 17/86 (2020.01) G01S 17/931 (2020.01) B60K 31/00 (2006.01) B64F 1/00 (2006.01) G05D 1/02 (2020.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ENHANCED COLLISION AVOIDANCE ON LOGISTICS GROUND SUPPORT EQUIPMENT USING MULTI-SENSOR DETECTION FUSION**

[54] **SYSTEMES ET PROCEDES D'EVITEMENT DE COLLISION AMELIORE SUR UN EQUIPEMENT DE SUPPORT AU SOL LOGISTIQUE A L'AIDE D'UNE FUSION DE DETECTION DE CAPTEURS MULTIPLES**

[72] BALL, JOHN E., US
[72] BURCH, V. REUBEN F., US
[72] CAGLE, LUCAS D., US
[72] DAVENPORT, COLLIN S., US
[72] GAFFORD, JAMES R., US
[72] HANNIS, TYLER J., US
[72] HEGMAN, ANDREW R., US
[72] LECLAIR, ANDREW M., US
[72] LIU, YUCHENG, US
[72] MAZZOLA, MICHAEL S., US
[72] MCCINNEY, HOWARD G., US
[72] REZA, TASMIA, US
[72] SHI, JIAN, CN
[72] WEI, PAN, CN
[72] IACOMINI, DENNISON W., US
[73] FEDEX CORPORATE SERVICES, INC., US

[85] 2020-07-24
[86] 2019-02-26 (PCT/US2019/019525)
[87] (WO2019/165409)
[30] US (62/635,274) 2018-02-26
[30] US (62/650,118) 2018-03-29
[30] US (62/665,822) 2018-05-02

[11] **3,095,081**
[13] C

[51] **Int.Cl. F01D 5/02 (2006.01)**

[25] EN

[54] **ROTOR SHAFT CAP AND METHOD OF MANUFACTURING A ROTOR SHAFT ASSEMBLY**

[54] **CAPUCHON D'ARBRE DE ROTOR ET PROCEDE DE FABRICATION D'UN ENSEMBLE ARBRE DE ROTOR**

[72] NAISMITH, MARTIN, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2020-09-24
[86] 2019-03-14 (PCT/EP2019/056383)
[87] (WO2019/201519)
[30] EP (18167822.8) 2018-04-17

[11] **3,095,470**
[13] C

[51] **Int.Cl. H04L 41/0823 (2022.01) H04L 41/0896 (2022.01) H04L 43/0882 (2022.01) H04L 47/24 (2022.01) H04L 47/2475 (2022.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRIORITIZING TRANSMISSION OF TRADING DATA OVER A BANDWIDTH-CONSTRAINED COMMUNICATION LINK**

[54] **SYSTEME ET METHODE POUR ETABLIR LA PRIORITE DE LA TRANSMISSION DE DONNEES COMMERCIALES SUR UNE LIAISON DE TELECOMMUNICATION LIMITEE EN BANDE PASSANTE**

[72] GUAY, DAVID SHAUN, CA
[73] BANQUE NATIONALE DU CANADA, CA

[86] (3095470)
[87] (3095470)
[22] 2020-10-06
[30] US (62/912.136) 2019-10-08

[11] **3,100,179**
[13] C

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

[25] EN

[54] **FILTER CARTRIDGES FOR JUG CONTAINER**

[54] **CARTOUCHES FILTRANTES POUR RECIPIENT CARAFE**

[72] BOUDREAU, KELLY, US
[72] JOHNSON, KEITH D., US
[72] SHERMAN, MICHAEL J., US
[72] BRIGANO, FRANK A., US
[72] KIRCHNER, RICHARD A., US
[72] PILOSI, PAUL A., US
[72] NESS, JASON J., US
[73] KX TECHNOLOGIES LLC, US

[86] (3100179)
[87] (3100179)
[22] 2015-02-06
[62] 3,021,855
[30] US (61/947,182) 2014-03-03
[30] US (14/610,373) 2015-01-30

[11] **3,100,426**
[13] C

[51] **Int.Cl. A43B 13/12 (2006.01)**

[25] EN

[54] **FLEXIBLE MIDSOLE HAVING A PLURALITY OF SIPES**

[54] **SEMELLE INTERCALAIRE SOUPLE COMPRENANT PLUSIEURS LIGNES**

[72] COOPER, AARON AC, US
[73] NIKE INNOVATE C.V., US

[86] (3100426)
[87] (3100426)
[22] 2014-03-14
[62] 2,897,945
[30] US (61/789,201) 2013-03-15
[30] US (14/206,400) 2014-03-12

[11] **3,102,794**
[13] C

[51] **Int.Cl. B01J 38/10 (2006.01)**

[25] EN

[54] **IONIC LIQUID CATALYST REGENERATION**

[54] **REGENERATION DE CATALYSEUR LIQUIDE IONIQUE**

[72] CARTER, ELIZABETH, US
[72] SPINNER, JOEL B., US
[73] UOP LLC, US

[85] 2020-12-04
[86] 2019-06-18 (PCT/US2019/037595)
[87] (WO2019/246007)
[30] US (16/010,700) 2018-06-18

**Canadian Patents Issued
September 13, 2022**

[11] **3,104,869**
[13] C

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 7/02 (2019.01) B32B 27/36 (2006.01) B32B 27/40 (2006.01)**

[25] EN

[54] **MULTI-LAYER FILM WITH IMPROVED MODULUS PROPERTIES**

[54] **FILM MULTICOUCHE AVEC PROPRIETES DE MODULE AMELIOREES**

[72] PUDLEINER, HEINZ, DE

[72] MEYER, KLAUS, DE

[72] WINKLER, JURGEN, DE

[72] BRAUER, WOLFGANG, DE

[72] NICKEL, JOERG, DE

[72] PEHLERT, CRAIG, US

[72] LI, CHUNHUA, US

[72] CHEN, YAN, US

[73] COVESTRO DEUTSCHLAND AG, DE

[86] (3104869)

[87] (3104869)

[22] 2013-05-10

[62] 2,873,100

[30] US (PCT/US2012/037745) 2012-05-14

[11] **3,105,594**
[13] C

[51] **Int.Cl. G01J 3/26 (2006.01) G01J 3/02 (2006.01) G01J 3/28 (2006.01) H01L 27/146 (2006.01)**

[25] FR

[54] **MULTISPECTRAL IMAGING SENSOR PROVIDED WITH MEANS FOR LIMITING CROSSTALK**

[54] **CAPTEUR D'IMAGERIE MULTISPECTRALE POURVU DE MOYENS DE LIMITATION DE LA DIAPHONIE**

[72] TISSERAND, STEPHANE, FR

[72] ROUX, LAURENT, FR

[72] HUBERT, MARC, FR

[72] SAUGET, VINCENT, FR

[73] SILIOS TECHNOLOGIES, FR

[85] 2021-01-04

[86] 2019-07-29 (PCT/FR2019/051864)

[87] (WO2020/025888)

[30] FR (FR1800822) 2018-07-30

[11] **3,106,648**
[13] C

[51] **Int.Cl. C22C 38/48 (2006.01) C21D 6/02 (2006.01)**

[25] EN

[54] **PRECIPITATION HARDENING MARTENSITIC STAINLESS STEEL**

[54] **ACIER INOXYDABLE MARTENSITIQUE A DURCISSEMENT STRUCTURAL**

[72] TAKAHASHI, NOBUYUKI, JP

[72] OKAMOTO, AKIHIKO, JP

[72] FURUSHO, CHIHIRO, JP

[72] TAKABAYASHI, HIROYUKI, JP

[72] KOYANAGI, YOSHIHIKO, JP

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

[86] (3106648)

[87] (3106648)

[22] 2021-01-18

[30] JP (2020-016838) 2020-02-04

[30] JP (2020-177624) 2020-10-22

[11] **3,107,016**
[13] C

[51] **Int.Cl. G01S 13/06 (2006.01) G01S 7/03 (2006.01) G01S 13/86 (2006.01)**

[25] EN

[54] **RADAR DEVICE**

[54] **DISPOSITIF RADAR**

[72] KAYA, NOBUYUKI, JP

[73] WAVEARRAYS INC., JP

[86] (3107016)

[87] (3107016)

[22] 2021-01-25

[30] JP (2020-211004) 2020-12-21

[30] JP (2021-007018) 2021-01-20

[11] **3,109,662**
[13] C

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**

[25] EN

[54] **REPOSITIONING WIRES AND METHODS FOR REPOSITIONING PROSTHETIC HEART VALVE DEVICES WITHIN A HEART CHAMBER AND RELATED SYSTEMS, DEVICES AND METHODS**

[54] **FILS DE REPOSITIONNEMENT ET PROCEDES DE REPOSITIONNEMENT DE DISPOSITIFS PROTHETIQUES DE VALVE CARDIAQUE A L'INTERIEUR D'UNE CHAMBRE CARDIAQUE ET SYSTEMES, DISPOSITIFS ET PROCEDES ASSOCIES**

[72] DIEDERING, JASON S., US

[72] KUMAR, SARAVANA B., US

[73] 4C MEDICAL TECHNOLOGIES, INC., US

[85] 2021-02-12

[86] 2019-09-13 (PCT/US2019/050978)

[87] (WO2020/056234)

[30] US (62/731,230) 2018-09-14

[30] US (16/568,903) 2019-09-12

[11] **3,117,045**
[13] C

[51] **Int.Cl. B01D 45/14 (2006.01)**

[25] EN

[54] **ABRASION RESISTANT GAS SEPARATOR**

[54] **SEPARATEUR DE GAZ RESISTANT A L'ABRASION**

[72] PIDSADOWSKI, KELLY, CA

[72] WANG, CHENGBAO, US

[73] BAKER HUGHES ESP, INC., US

[86] (3117045)

[87] (3117045)

[22] 2014-01-14

[62] 2,899,903

[30] US (13/757,309) 2013-02-01

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,117,618**
[13] C

[51] **Int.Cl. G01N 9/36 (2006.01) G01N 9/26 (2006.01)**
[25] EN
[54] **APPARATUS FOR DETERMINING IDENTITY AND/OR QUANTITY OF A FUEL**
[54] **APPAREIL PERMETTANT DE DETERMINER L'IDENTITE ET/OU LA QUANTITE D'UN COMBUSTIBLE**
[72] POULTER, TREVOR, GB
[73] OPW FLUID TRANSFER GROUP EUROPE B.V., NL
[86] (3117618)
[87] (3117618)
[22] 2015-02-10
[62] 2,939,041
[30] GB (1402266.9) 2014-02-10
[30] GB (1416728.2) 2014-09-22

[11] **3,123,083**
[13] C

[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZER CARTRIDGE WITH ENCASED HEAT SOURCE**
[54] **CARTOUCHE DE VAPORISATEUR ELECTRONIQUE A SOURCE DE CHALEUR ENCAPSULEE**
[72] CYPHERT, GILBERT, US
[72] BALDER, EDWIN, US
[72] JULIA, DANIEL, US
[72] HOLMAN, JEFFREY, US
[73] HEALTHIER CHOICES MANAGEMENT CORP., US
[85] 2021-06-11
[86] 2019-12-13 (PCT/US2019/066212)
[87] (WO2020/123931)
[30] US (16/218,853) 2018-12-13

[11] **3,131,870**
[13] C

[51] **Int.Cl. E02F 3/84 (2006.01) E02F 9/22 (2006.01)**
[25] EN
[54] **MODULAR MANIFOLD HAVING AT LEAST TWO CONTROL MODULES FOR CONTROLLING OPERATION OF AT LEAST TWO HYDRAULIC ACTUATORS OF AN EARTHMOVING MACHINE**
[54] **COLLECTEUR MODULAIRE COMPRENANT AU MOINS DEUX MODULES DE COMMANDE PERMETTANT DE COMMANDER LE FONCTIONNEMENT D'AU MOINS DEUX ACTIONNEURS HYDRAULIQUES D'UN ENGIN DE TERRASSEMENT**
[72] FERRAZ, JOHN, JR., US
[72] JACKSON, MICHAEL T., US
[72] O'NEILL, WILLIAM N., US
[73] CATERPILLAR INC., US
[85] 2021-08-27
[86] 2020-02-06 (PCT/US2020/016910)
[87] (WO2020/185332)
[30] US (16/299,554) 2019-03-12

[11] **3,135,484**
[13] C

[51] **Int.Cl. H04B 15/04 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **ANTENNA SYSTEM FOR A PORTABLE COMMUNICATION DEVICE**
[54] **SYSTEME D'ANTENNE POUR UN DISPOSITIF DE COMMUNICATION SANS FIL**
[72] FARAONE, ANTONIO, US
[72] BIT-BABIK, GIORGI, US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2021-09-29
[86] 2020-03-25 (PCT/US2020/024609)
[87] (WO2020/219200)
[30] US (16/393,890) 2019-04-24

[11] **3,136,585**
[13] C

[51] **Int.Cl. C22C 13/02 (2006.01) B23K 35/26 (2006.01)**
[25] EN
[54] **LEAD-FREE SOLDER ALLOY AND SOLDER JOINT PART**
[54] **ALLIAGE DE BRASAGE SANS PLOMB ET PARTIE DE JOINT DE BRASURE**
[72] NISHIMURA, TETSURO, JP
[73] NIHON SUPERIOR CO., LTD., JP
[85] 2021-10-08
[86] 2020-04-10 (PCT/JP2020/016201)
[87] (WO2020/209384)
[30] JP (2019-075946) 2019-04-11

[11] **3,137,347**
[13] C

[51] **Int.Cl. A61G 7/05 (2006.01) A61B 5/103 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SUPPORT STRUCTURE**
[54] **STRUCTURE DE SUPPORT**
[72] REFSNAES, JORN, NO
[72] VOLDUND, ARVE, NO
[72] BJORKLI, CATO ALEXANDER, NO
[72] YOUSIF, LEILA, NO
[72] FURNES, KJELL ARE, NO
[73] ABLY MEDICAL AS, NO
[85] 2021-10-13
[86] 2019-04-29 (PCT/EP2019/060985)
[87] (WO2019/207169)
[30] GB (1806938.5) 2018-04-27

**Canadian Patents Issued
September 13, 2022**

[11] **3,139,301**
[13] C

[51] **Int.Cl. C10G 3/00 (2006.01) C01B 3/32 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **PROCESS AND PLANT FOR PRODUCING HYDROCARBONS WITH REDUCED CO₂-FOOTPRINT AND IMPROVED HYDROGEN INTEGRATION**
[54] **PROCEDE ET INSTALLATION DE PRODUCTION D'HYDROCARBURES A EMPREINTE REDUITE DE CO₂ ET INTEGRATION D'HYDROGENE AMELIOREE**
[72] ROY, RAKESH, DK
[72] BANSAL, NITESH, IN
[72] THAKKER, PRIYESH, US
[72] GALLARDO, THOR, US
[73] TOPSOE A/S, DK
[85] 2021-11-05
[86] 2021-03-10 (PCT/EP2021/056085)
[87] (WO2021/180805)
[30] EP (20162995.3) 2020-03-13

[11] **3,141,645**
[13] C

[51] **Int.Cl. B01J 23/10 (2006.01) B01J 15/00 (2006.01) B01J 32/00 (2006.01)**
[25] EN
[54] **VAPOR PHASE METHANOL CARBONYLATION CATALYST**
[54] **CATALYSEUR DE CARBONYLATION DE METHANOL EN PHASE VAPEUR**
[72] GIL, JENNIFER, CA
[72] FUENTE-HERNANDEZ, ARIADNA, CA
[72] MARIE-ROSE, STEPHANE C., CA
[73] ENERKEM INC., CA
[85] 2021-11-23
[86] 2020-05-21 (PCT/CA2020/050680)
[87] (WO2020/237350)
[30] US (62/853,344) 2019-05-28

[11] **3,141,977**
[13] C

[51] **Int.Cl. B60C 23/00 (2006.01)**
[25] EN
[54] **ROTARY TRANSMISSION LEADTHROUGH AS PART OF A TIRE PRESSURE CONTROL SYSTEM**
[54] **TRAVERSEE DE TRANSMISSION ROTATIVE COMME ELEMENT D'UN SYSTEME DE CONTROLE DE LA PRESSION DE PNEU**
[72] TIGGES, MARTIN, DE
[73] PTG REIFENDRUCKREGELSYSTEME GMBH, DE
[86] (3141977)
[87] (3141977)
[22] 2021-12-13
[30] US (17/211,318) 2021-03-24

[11] **3,144,134**
[13] C

[51] **Int.Cl. B31F 1/28 (2006.01) B31F 1/36 (2006.01)**
[25] EN
[54] **PAPER-SPECIFIC MOISTURE CONTROL IN A TRAVELING PAPER WEB**
[54] **REGULATION DE L'HUMIDITE SPECIFIQUE DU PAPIER DANS UNE BANDE DE PAPIER MOBILE**
[72] KOHLER, HERBERT B., US
[73] INTPRO, LLC, US
[85] 2022-01-14
[86] 2020-08-04 (PCT/US2020/044872)
[87] (WO2021/026146)
[30] US (62/882,773) 2019-08-05
[30] US (62/934,736) 2019-11-13

[11] **3,145,634**
[13] C

[51] **Int.Cl. A61F 13/14 (2006.01) A41D 1/215 (2018.01) A41C 3/04 (2006.01) A61F 13/15 (2006.01)**
[25] EN
[54] **ABSORBENT COMPONENT**
[54] **COMPOSANT ABSORBANT**
[72] KANDEGEDARA, DEEYAYAWATHTHE GEDARA RUMESH MAHELA, LK
[72] UPAMAL, MALNAIDA MARAKKALA AMITHA, LK
[72] DE SILVA, AGAMPUDI SHYAMAL AKILA, LK
[73] MAS INNOVATION (PRIVATE) LIMITED, LK
[85] 2021-12-29
[86] 2020-09-07 (PCT/SG2020/050519)
[87] (WO2021/118455)
[30] GB (1918310.2) 2019-12-12

[11] **3,147,867**
[13] C

[51] **Int.Cl. E21B 21/06 (2006.01)**
[25] EN
[54] **AUTOMATED DRILLING-FLUID ADDITIVE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AUTOMATISE D'ADDITIF DE FLUIDE DE FORAGE**
[72] COLLINS, KYLE, US
[73] COLLINS, KYLE, US
[85] 2022-01-18
[86] 2019-11-15 (PCT/US2019/061816)
[87] (WO2021/025718)
[30] US (16/533,313) 2019-08-06

**Brevets canadiens délivrés
13 septembre 2022**

[11] **3,150,248**

[13] C

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

[25] EN

[54] **METHOD FOR COMPENSATING
THE INFLUENCE OF THE
REYNOLDS NUMBER ON THE
MEASUREMENT OF A CORIOLIS
MASS FLOW METER, AND
CORRESPONDING DEVICE**

[54] **METHODE POUR COMPENSER
L'INFLUENCE DU NOMBRE DE
REYNOLDS SUR LA MESURE
D'UN DEBITMETRE DE LA
MASSE DE CORIOLIS ET
DISPOSITIF CORRESPONDANT**

[72] REINSHAUS, PETER, DE

[73] ROTA YOKOGAWA GMBH & CO.
KG, DE

[86] (3150248)

[87] (3150248)

[22] 2022-02-25

[30] US (DE 10 2021 202 464.5) 2021-03-15

Canadian Applications Open to Public Inspection

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Demandes canadiennes mises à la disponibilité du public

28 août 2022 au 3 septembre 2022

[21] **3,110,304**
[13] A1

[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **FOLD AND PULL**
[54] **PLIER ET TIRER**
[72] BROWN, DOUGLAS, CA
[71] BROWN, DOUGLAS, CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,659**
[13] A1

[51] **Int.Cl. F02C 3/045 (2006.01)**
[25] FR
[54] **TURBINOACTIVE ENGINE**
[54] **MOTEUR TURBINOACTIF**
[72] BEAUDOIN, NORMAND, CA
[71] BEAUDOIN, NORMAND, CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,780**
[13] A1

[25] EN
[54] **PREFABRICATED DRYWALL**
CORNER ELEMENT
[54] **ELEMENT DE COIN DE CLOISON**
SECHE PREFABRIQUE
[72] GAGNON, JEAN-PHILIPPE, CA
[71] GAGNON, JEAN-PHILIPPE, CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,789**
[13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06Q**
40/02 (2012.01)
[25] EN
[54] **SYSTEMS AND METHODS FOR**
DETERMINING RISK OF
IDENTITY FRAUD BASED ON
MULTIPLE FRAUD DETECTION
MODELS
[54] **SYSTEMES ET METHODES POUR**
DETERMINER LE RISQUE DE
FRAUDE D'IDENTITE EN
FONCTION DE MODELES DE
DETECTION DE FRAUDES
MULTIPLES

[72] ARDIZZI, MONIQUE, US
[72] SHEN, TIAN, US
[72] SIGFRID, ANDREW, US
[72] DOGAS, CHRIS, US
[72] KELLY, ANNE-MARIE, US
[72] BOUDREAU, PATRICK, US
[71] TRANS UNION LLC, US
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,791**
[13] A1

[51] **Int.Cl. B23Q 41/00 (2006.01)**
[25] FR
[54] **STORAGE-ATTACHED PVC**
PROFILE CUTOUT MACHINE
[54] **MACHINE DE DECOUPE DE**
PROFILES PVC ATTACHEE AU
STOCKAGE
[72] MIHAI, NICULAE, CA
[71] MIHAI, NICULAE, CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,793**
[13] A1

[51] **Int.Cl. A61B 5/22 (2006.01) A61H**
23/02 (2006.01)
[25] EN
[54] **SYSTEM AND METHOD FOR**
ASSESSING ABDOMINAL
MUSCLE STRENGTH
[54] **SYSTEME ET METHODE**
D'EVALUATION DE LA FORCE
DES MUSCLES ABDOMINAUX
[72] SKINNER, DANIEL, CA
[71] SKINNER, DANIEL, CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,794**
[13] A1

[51] **Int.Cl. E21B 47/01 (2012.01) E21B**
47/02 (2012.01) E21B 47/08 (2012.01)
[25] EN
[54] **PORTABLE BORE HOLE**
MEASUREMENT DEVICE
[54] **DISPOSITIF PORTATIF DE**
MESURE DE TROU DE FORAGE
[72] LUPINI, DEAN, CA
[71] KEY LOGIC INC., CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,867**
[13] A1

[51] **Int.Cl. B65D 8/14 (2006.01)**
[25] EN
[54] **EXTEND-A-BIN**
[54] **EXTEND-A-BIN (BAC**
TELESCOPIQUE)
[72] YANK, ERIC, CA
[71] BERTSCHI, CHRIS, CA
[22] 2021-03-01
[41] 2022-09-01

**Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022**

[21] **3,110,869**
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G02B 27/01 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **INTEGRATING TACTILE NONVIRTUAL CONTROLS IN A VIRTUAL REALITY (VR) TRAINING SIMULATOR**
[54] **INTEGRATION DE CONTROLES TACTILES NON VIRTUELS DANS UN SIMULATEUR D'ENTRAINEMENT EN REALITE VIRTUELLE**
[72] MACNAUGHTON, MIKE, CA
[71] TWISTED PAIR PRODUCTIONS LTD., CA
[22] 2021-03-01
[41] 2022-09-01

[21] **3,110,908**
[13] A1

[51] **Int.Cl. A47L 17/00 (2006.01) A47G 23/00 (2006.01) A47L 25/00 (2006.01)**
[25] EN
[54] **BEVERAGE CAN CLEANING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DE CANETTE DE BREUVAGE**
[72] LIVIE, BARBARA, CA
[72] LIVIE, SCOTT, CA
[71] LIVIE, BARBARA, CA
[71] LIVIE, SCOTT, CA
[22] 2021-03-02
[41] 2022-08-28
[30] US (17/187,855) 2021-02-28

[21] **3,110,925**
[13] A1

[51] **Int.Cl. H04B 7/0413 (2017.01) H04B 1/16 (2006.01) H04B 7/08 (2006.01)**
[25] EN
[54] **BINARY HYPOTHESIS TESTING IN 1-BIT MIMO RECEIVER WITH ADAPTED WINDOW COMPARATOR**
[54] **ESSAI D'HYPOTHESE BINAIRE DANS UN RECEPTEUR MIMO DE 1 BIT ET MECANISME DE COMPARAISON DE FENETRES ADAPTATIF**
[72] TEETI, MOHAMMED, CN
[71] TEETI, MOHAMMED, CN
[22] 2021-03-02
[41] 2022-09-02

[21] **3,110,962**
[13] A1

[51] **Int.Cl. H04B 7/0413 (2017.01) H04B 1/16 (2006.01) H04B 7/08 (2006.01)**
[25] EN
[54] **BINARY HYPOTHESIS TESTING IN 1-BIT MIMO RECEIVER WITH ADAPTED WINDOW COMPARATOR**
[54] **ESSAI D'HYPOTHESE BINAIRE DANS UN RECEPTEUR MIMO DE 1 BIT ET MECANISME DE COMPARAISON DE FENETRES ADAPTATIF**
[72] TEETI, MOHAMMED, CN
[71] TEETI, MOHAMMED, CN
[22] 2021-03-02
[41] 2022-09-02

[21] **3,110,965**
[13] A1

[51] **Int.Cl. A61F 13/14 (2006.01) A41C 3/06 (2006.01) A61F 5/40 (2006.01)**
[25] EN
[54] **BREAST TAPE AND METHOD OF APPLYING BREAST TAPE**
[54] **RUBAN ADHESIF POUR LES SEINS ET METHODE D'APPLICATION**
[72] WYLDE, JESSICA, CA
[71] JOJACO.MPP INC., CA
[22] 2021-03-02
[41] 2022-09-02

[21] **3,110,969**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/12 (2015.01) A61L 27/50 (2006.01)**
[25] EN
[54] **IMMUNOCOMPATIBLE TISSUE SCAFFOLD AND METHODS OF FORMING THE SAME**
[54] **ECHAFAUDAGE DE TISSU IMMUNOCOMPATIBLE ET METHODES DE FABRICATION**
[72] NAGENDRAN, JEEVAN, CA
[72] NAGENDRAN, JAYAN, CA
[72] BOZSO, SABIN J., CA
[71] NAGENDRAN, JEEVAN, CA
[71] NAGENDRAN, JAYAN, CA
[71] BOZSO, SABIN J., CA
[22] 2021-03-02
[41] 2022-09-02

[21] **3,110,982**
[13] A1

[51] **Int.Cl. B62H 3/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE BICYCLE PARKING RACK**
[54] **RATELIER DE STATIONNEMENT A VELOS AJUSTABLE**
[72] GU, HAIDONG, US
[71] CYCLINGDEAL USA, INC., US
[22] 2021-03-03
[41] 2022-09-03

[21] **3,110,985**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/20 (2019.01) G06F 16/26 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING HIERARCHICAL DATA**
[54] **SYSTEME ET METHODE DE TRAITEMENT DE DONNEES HIERARCHIQUES**
[72] VEERMAN, CHRISTIAAN, CA
[72] BODNAR, STEVEN, CA
[72] HERREN, THOMAS, CA
[72] VALLES, NORMA CABILDO, CA
[72] KAYEDPOUR, ARASH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-03-03
[41] 2022-09-03

[21] **3,111,067**
[13] A1

[51] **Int.Cl. A45C 3/02 (2006.01)**
[25] EN
[54] **MASK CARRYING CASE WITH MULTIPLE POCKETS FOR FACE MASKS, AND ASSOCIATED PATTERNS AND METHODS OF MANUFACTURE THEREOF**
[54] **ETUI A MASQUES COMPORTANT DE MULTIPLES POCHE A MASQUE, GABARITS CONNEXES ET METHODES DE FABRICATION**
[72] TRUONG-VUATTOUX, AMY MYLANG, CA
[71] ONIIMA INC., CA
[22] 2021-03-03
[41] 2022-09-03

**Canadian Applications Open to Public Inspection
August 28, 2022 to September 3, 2022**

[21] **3,111,103**
[13] A1

[51] **Int.Cl. B62B 5/04 (2006.01) B62B 3/14 (2006.01)**
[25] EN
[54] **SHOPPING CART WITH ANTI-THEFT POLE**
[54] **CHARIOT COMPRENANT UN POLE ANTIVOL**
[72] LAZZARINO, NADIA, CA
[72] LAZZARINO, PHILLIP, CA
[71] CART SOURCE LLC, US
[22] 2021-03-02
[41] 2022-09-02

[21] **3,111,115**
[13] A1

[51] **Int.Cl. C05D 11/00 (2006.01) C05D 1/00 (2006.01) C05D 5/00 (2006.01)**
[25] EN
[54] **AN INDUSTRIAL PROCESS AND A SYSTEM FOR PRODUCTION OF POTASSIUM AND POTASSIUM MAGNESIUM FERTILIZERS**
[54] **PROCEDE INDUSTRIEL ET SYSTEME DE PRODUCTION DE POTASSIUM ET ENGRAIS DE POTASSIUM ET DE MAGNESIUM**
[72] LEMIEUX, DAVID, CA
[72] LALANCETTE, JEAN-MARC, CA
[71] KSM INC., CA
[22] 2021-03-02
[41] 2022-09-02

[21] **3,111,117**
[13] A1

[51] **Int.Cl. G06Q 40/06 (2012.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR DETERMINING SENTIMENT INDEX FOR TRANSACTIONS**

[54] **SYSTEME ET METHODE POUR DETERMINER UN INDICE D'OPINION DE TRANSACTIONS**

[72] ASTA, SHAHRIAR, CA
[72] ORLANDO, CHRISTOPHER JAMES, CA
[72] HONG, ANGELA CHRISTINE, CA
[72] REID, ANGELA P., CA
[72] LEUNG, STEPHEN, CA
[72] SALAZAR, JENNY, CA
[72] BECK, JEFFREY LEE, CA
[72] KAJEE, MUSA, CA
[72] SUDERMAN, LYNN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-03-03
[41] 2022-09-03

[21] **3,111,127**
[13] A1

[51] **Int.Cl. G01K 1/14 (2021.01) G01K 1/024 (2021.01)**
[25] EN
[54] **BRACKET FOR TEMPERATURE SENSOR**
[54] **SUPPORT POUR CAPTEUR DE TEMPERATURE**
[72] HOLT, NICK, US
[72] BENGSTON, ERIC, US
[72] YEAGER, JEFFREY, US
[71] COOPER-ATKINS CORPORATION, US
[22] 2021-03-05
[41] 2022-09-01
[30] AU (2021201316) 2021-03-01

[21] **3,111,130**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 20/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LOYALTY POINT REDEMPTION FOR A NON-CONTRIBUTING MEMBER**
[54] **SYSTEME ET METHODE D'ECHANGE DE POINTS DE FIDELISATION POUR UN MEMBRE NON COTISANT**
[72] IANNUZZI, DAVIDE, CA
[72] MACDONALD, JEFFREY, CA
[72] KALWANI, NEHA DIPNA, CA
[72] SPITALI, MEGAN, CA
[72] KHERAJ, AILEEN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-03-03
[41] 2022-09-03

[21] **3,113,015**
[13] A1

[51] **Int.Cl. H04N 21/60 (2011.01) H04N 21/242 (2011.01) H04N 21/6437 (2011.01) H04L 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF STREAMING CONTENT BETWEEN PEER DEVICES IN A BROADCAST ENVIRONMENT**
[54] **SYSTEME ET METHODE DE DIFFUSION DE CONTENU ENTRE LES DISPOSITIFS PAIRS DANS UN ENVIRONNEMENT DE DIFFUSION**
[72] TRUSSART, VINCENT, CA
[71] GRASS VALLEY CANADA, CA
[22] 2021-03-23
[41] 2022-09-02
[30] US (63/155,655) 2021-03-02

Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022

[21] **3,117,587**
 [13] A1

[51] **Int.Cl. E04D 15/00 (2006.01) E04D 13/12 (2006.01) E04G 3/26 (2006.01)**
 [25] EN
 [54] **LIGHTWEIGHT COMPOSITE ROOFING SUPPORT SYSTEM WITH SELECTIVELY REMOVEABLE AND REPLACEABLE BASE MEMBERS**
 [54] **SYSTEME DE SUPPORT DE COUVERTURE COMPOSITE LEGER AYANT DES ELEMENTS DE BASE SELECTIVEMENT AMOVIBLES ET REMPLACABLES**
 [72] RASHID, PHILIP F., US
 [72] TESOLIN, PHILLIP A., US
 [71] PHIL SQUARED ROOF JACK SYSTEMS LLC, US
 [22] 2021-05-07
 [41] 2022-09-03
 [30] US (17/191,448) 2021-03-03

[21] **3,134,298**
 [13] A1

[51] **Int.Cl. A01G 23/04 (2006.01)**
 [25] EN
 [54] **APPARATUS FOR FEEDING A TRANSPLANTER AND A METHOD FOR FEEDING A TRANSPLANTER**
 [54] **APPAREIL ET METHODE D'ALIMENTATION D'UNE TRANSPLANTEUSE**
 [72] VERNER, GUILLAUME, CA
 [72] GAGNON, DANIEL, CA
 [71] EQUIPEMENTS VEGTECH, CA
 [22] 2021-10-14
 [41] 2022-09-03
 [30] US (63/156,038) 2021-03-03

[21] **3,135,049**
 [13] A1

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/40 (2020.01)**
 [25] EN
 [54] **ELECTRONIC CIGARETTE**
 [54] **CIGARETTE ELECTRONIQUE**
 [72] LIU, TUANFANG, CN
 [71] SHENZHEN ELGATE TECHNOLOGY CO., LTD., CN
 [22] 2021-10-20
 [41] 2022-09-01
 [30] CN (202110225433.7) 2021-03-01
 [30] CN (202120439858.3) 2021-03-01

[21] **3,136,763**
 [13] A1

[51] **Int.Cl. H01H 33/12 (2006.01) H01H 3/42 (2006.01) H01H 9/26 (2006.01) H01H 33/666 (2006.01)**
 [25] EN
 [54] **A MEDIUM VOLTAGE SWITCHING APPARATUS**
 [54] **APPAREIL DE COMMUTATION DE TENSION MOYENNE**
 [72] MORELLI, EMANUELE, BG
 [72] BRUNI, JACOPO, IT
 [72] RIZZI, CORRADO, BG
 [72] FORLANI, GIORGIO, BG
 [71] ABB SCHWEIZ AG, CH
 [22] 2021-10-27
 [41] 2022-09-03
 [30] EP (21160404.6) 2021-03-03

[21] **3,145,952**
 [13] A1

[51] **Int.Cl. B64C 1/18 (2006.01) B64C 1/06 (2006.01)**
 [25] EN
 [54] **HYBRID PRESSURE DECK FOR AIRCRAFT**
 [54] **PONT DE PRESSION HYBRIDE POUR AERONEF**
 [72] VUKOSAV, DANILO, US
 [72] MCLAUGHLIN, MARK R., US
 [72] LEIBOV, DAVID H., US
 [71] THE BOEING COMPANY, US
 [22] 2022-01-17
 [41] 2022-09-01
 [30] US (63/155,027) 2021-03-01

[21] **3,146,145**
 [13] A1

[51] **Int.Cl. E02D 27/42 (2006.01) E02D 27/08 (2006.01) E02D 37/00 (2006.01)**
 [25] EN
 [54] **REINFORCING OF TOWER BASE IN EXISTING GUYED TOWERS**
 [54] **RENFORCEMENT DE BASE DE MATS HAUBANES EXISTANTS**
 [72] RADI, ASHRAF, CA
 [71] RADI, ASHRAF, CA
 [22] 2022-01-19
 [41] 2022-09-01

[21] **3,147,237**
 [13] A1

[51] **Int.Cl. A62C 2/06 (2006.01) A62C 3/00 (2006.01) B64D 29/00 (2006.01) F02C 7/25 (2006.01)**
 [25] EN
 [54] **FIRE PROTECTION STRUCTURE**
 [54] **STRUCTURE DE PROTECTION CONTRE LES INCENDIES**
 [72] LABERGE LEBEL, LOUIS, CA
 [72] CHAVEZ GOMEZ, PABLO DE JESUS, CA
 [72] RICHER, ALAIN, CA
 [72] ROBERT, ETIENNE, CA
 [72] HAMP, JASON, CA
 [71] PRATT & WHITNEY CANADA CORP., CA
 [71] LA CORPORATION DE L'ECOLE POLYTECHNIQUE DE MONTREAL, CA
 [71] ELASTO PROXY INC., CA
 [22] 2022-01-31
 [41] 2022-09-03
 [30] US (17/191,154) 2021-03-03

[21] **3,148,893**
 [13] A1

[51] **Int.Cl. E04G 17/06 (2006.01) E04G 11/06 (2006.01)**
 [25] EN
 [54] **CONCRETE FORM ASSEMBLY**
 [54] **COFFRAGE A BETON**
 [72] CHAPMAN, KURTIS, CA
 [71] LOGIX BRANDS LTD., CA
 [22] 2022-02-15
 [41] 2022-09-01
 [30] US (17/188,618) 2021-03-01
 [30] US (17/668,082) 2022-02-09

[21] **3,149,000**
 [13] A1

[51] **Int.Cl. A61K 35/19 (2015.01) C12N 5/078 (2010.01) A61K 35/16 (2015.01)**
 [25] EN
 [54] **KITS AND METHODS FOR PREPARING PLASMA INJECTATE BIOSTIMULATOR**
 [54] **TROUSSES ET METHODES POUR PREPARER DES BIOSTIMULATEURS A INJECTION DE PLASMA**
 [72] SHAMMAA, RIAM, CA
 [71] SHAMMAA, RIAM, CA
 [22] 2022-02-15
 [41] 2022-09-01
 [30] US (63/155,085) 2021-03-01

**Canadian Applications Open to Public Inspection
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[21] **3,149,022**
[13] A1

[51] **Int.Cl. B65B 1/10 (2006.01) A61G 12/00 (2006.01)**
[25] EN
[54] **CANISTER FOR PHARMACEUTICAL DISPENSING MACHINE AND DIVERTER KIT FOR SAME**
[54] **CARTOUCHE POUR UNE MACHINE DE DISTRIBUTION PHARMACEUTIQUE ET TROUSSE D'INVERSEUR CONNEXE**
[72] JEHN, MICHAEL W., US
[72] BISHOP, BRIAN, US
[71] PARATA SYSTEMS, LLC, US
[22] 2022-02-16
[41] 2022-09-03
[30] US (63/155,814) 2021-03-03

[21] **3,149,031**
[13] A1

[51] **Int.Cl. G06F 3/0481 (2022.01)**
[25] EN
[54] **METHOD FOR REPRESENTING OBJECTS OF A NETWORK IN A GUI**
[54] **METHODE DE REPRESENTATION D'OBJETS D'UN RESEAU DANS UNE IUG**
[72] DI FRANCESCANTONIO, PAOLO, IT
[72] CAVALLARO CORTI, ALESSANDRO, IT
[72] CARULLO, MORENO, IT
[72] CARCANO, ANDREA, US
[71] NOZOMI NETWORKS SAGL, CH
[22] 2022-02-16
[41] 2022-08-28
[30] US (17/187,821) 2021-02-28

[21] **3,149,280**
[13] A1

[51] **Int.Cl. G08B 21/12 (2006.01) G08B 21/14 (2006.01)**
[25] EN
[54] **PROCESS, SYSTEM AND ALARM MANAGEMENT SYSTEM FOR ANALYZING DATA OF A MOBILE GAS MEASURING DEVICE**
[54] **PROCEDE, SYSTEME ET SYSTEME DE GESTION D'ALARME POUR ANALYSER DES DONNEES D'UN DISPOSITIF DE MESURE DE GAZ MOBILE**
[72] BERNDT, MALTE, DE
[72] RODEHORST, CHRISTOF, DE
[72] MASS, RAPHAEL, DE
[71] DRAGER SAFETY AG & CO. KGAA, DE
[22] 2022-02-17
[41] 2022-09-02
[30] DE (102021105008.1) 2021-03-02

[21] **3,149,716**
[13] A1

[51] **Int.Cl. F16K 31/365 (2006.01) F16K 21/14 (2006.01) F16K 27/00 (2006.01)**
[25] EN
[54] **DIAPHRAGM VALVE FORMED USING ADDITIVE MANUFACTURE**
[54] **ROBINET A MEMBRANE FORME PAR FABRICATION ADDITIVE**
[72] FOWLER, JEFFREY M., US
[71] NEPTUNE TECHNOLOGY GROUP INC., US
[22] 2022-02-21
[41] 2022-09-03
[30] US (US 63/155,932) 2021-03-03

[21] **3,149,766**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/18 (2006.01)**
[25] EN
[54] **SUPPORT ELEMENT FOR SPACERS AND SET OF A SUPPORT ELEMENT FOR SPACERS AND A SET OF SPACERS**
[54] **ELEMENT DE SUPPORT POUR ENTRETOISES, ENSEMBLE D'UN ELEMENT DE SUPPORT ET ENSEMBLE D'ENTRETOISES**
[72] BUZON, LAURENT, BE
[72] COSIJNS, CARLO, JP
[71] BUZON PEDESTAL INTERNATIONAL S.A., BE
[22] 2022-02-22
[41] 2022-09-02
[30] BE (2021/5149) 2021-03-02

[21] **3,149,809**
[13] A1

[51] **Int.Cl. G06F 1/20 (2006.01)**
[25] EN
[54] **WATER BLOCK ASSEMBLY HAVING AN INSULATING HOUSING**
[54] **ECHANGEUR A EAU COMPRENANT UN LOGEMENT ISOLANT**
[72] MENEBOO, ALEXANDRE ALAIN JEAN-PIERRE, FR
[72] CHEHADE, ALI, FR
[71] OVH, FR
[22] 2022-02-22
[41] 2022-09-03
[30] EP (21305256.6) 2021-03-03

Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022

[21] **3,149,855**
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) H04W 4/38 (2018.01) G08B 21/12 (2006.01)**

[25] EN

[54] **PROCESS AND SYSTEM FOR MONITORING AT LEAST ONE CONCENTRATION OF A GAS IN A MONITORED AREA**

[54] **PROCEDE ET SYSTEME POUR SURVEILLER AU MOINS UNE CONCENTRATION D'UN GAZ DANS UNE ZONE SURVEILLEE**

[72] BERNDT, MALTE, DE
[72] RODEHORST, CHRISTOF, DE
[72] MAAS, RAPHAEL, DE
[71] DRAGER SAFETY AG & CO. KGAA, DE
[22] 2022-02-22
[41] 2022-09-02
[30] DE (102021105011.1) 2021-03-02

[21] **3,149,876**
[13] A1

[51] **Int.Cl. F01D 25/04 (2006.01) F01D 5/10 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**

[25] EN

[54] **DUAL-FILM DAMPER**

[54] **AMORTISSEUR A DOUBLE FILM**

[72] CEVIK, MERT, CA
[72] VARNEY, PHILIP A., CA
[72] MORRIS, ROBERT J., CA
[72] BEAMISH, DAVID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-02-22
[41] 2022-09-01
[30] US (17/188,249) 2021-03-01

[21] **3,149,887**
[13] A1

[51] **Int.Cl. E21B 1/38 (2006.01) E21B 1/14 (2006.01)**

[25] FR

[54] **ROTO-GRAZING HYDRAULIC PUNCHER EQUIPPED WITH A BACKSTOP PLUNGER**

[54] **PERFORATEUR HYDRAULIQUE ROTO-PERCUTANT POURVU D'UN PISTON DE BUTEE**

[72] CHEYLUS, FRANCOIS-XAVIER, FR
[72] ESCOLLE, MICHEL, FR
[71] MONTABERT, FR
[22] 2022-02-23
[41] 2022-09-01
[30] FR (21/01949) 2021-03-01

[21] **3,149,908**
[13] A1

[51] **Int.Cl. E21B 1/38 (2006.01) E21B 1/14 (2006.01)**

[25] EN

[54] **PERFORATEUR HYDRAULIQUE ROTO-PERCUTANT POURVU D'UN PISTON DE BUTEE ET D'UNE CHAMBRE DE FREINAGE**

[54] **ROTO-GRAZING HYDRAULIC PUNCHER EQUIPPED WITH A BACKSTOP PLUNGER AND BRAKING ACTION CHAMBER**

[72] CHEYLUS, FRANCOIS-XAVIER, FR
[72] ESCOLLE, MICHEL, FR
[71] MONTABERT, FR
[22] 2022-02-23
[41] 2022-09-01
[30] FR (21/01950) 2021-03-01

[21] **3,150,136**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G16H 40/20 (2018.01)**

[25] EN

[54] **APPOINTMENT SYSTEM FOR UNFULFILLED APPOINTMENT OPTIMIZATION TO BE FILLED BY WAITING LIST PATIENTS**

[54] **SYSTEME DE RENDEZ-VOUS POUR L'OPTIMISATION DES ABSENCES PAR L'INSCRIPTION DE PATIENTS DE LA LISTE D'ATTENTE AUX CRENEAUX LIBRES**

[72] ROSS, WANG-PIAO DUMANI, CA
[71] ROSS GROUP OF COMPANIES CORP., CA
[22] 2022-02-25
[41] 2022-09-01
[30] US (63/155,049) 2021-03-01

[21] **3,150,191**
[13] A1

[51] **Int.Cl. F16D 3/64 (2006.01) E21B 4/00 (2006.01) F16C 32/00 (2006.01) F16D 3/10 (2006.01) F16D 3/50 (2006.01)**

[25] EN

[54] **PDM TRANSMISSION WITH SLIDING CONTACT BETWEEN CONVEX SHAFT PINS AND CONCAVE BEARING SURFACES**

[54] **TRANSMISSION DE MOTEUR A DEPLACEMENT POSITIF COMPRENANT UN CONTACT GLISSANT ENTRE DES TIGES D'ARBRE CONVEXES ET DES SURFACES PORTANTES CONCAVES**

[72] LU, JING, US
[72] CARIVEAU, PETER THOMAS, US
[72] LANDRUM, DAMON T., US
[71] ABACO DRILLING TECHNOLOGIES LLC, US
[22] 2022-02-25
[41] 2022-09-02
[30] US (17/190,386) 2021-03-02

[21] **3,150,209**
[13] A1

[51] **Int.Cl. G06Q 10/04 (2012.01) G06N 20/00 (2019.01) G06Q 40/02 (2012.01)**

[25] EN

[54] **PREDICTING FUTURE OCCURENCES OF TARGETED EVENTS USING TRAINED ARTIFICIAL-INTELLIGENCE PROCESSES**

[54] **PREVISION D'INSTANCES FUTURES D'EVENEMENTS CIBLES AU MOYEN DE PROCEDES D'INTELLIGENCE ARTIFICIELLE ENTRAINEE**

[72] WHELAN, PATRICK JAMES, CA
[72] GUTIERREZ BUGARIN, JAHIR MAURICIO, CA
[72] KANADE, NIKKI, CA
[72] VOLKOV, MAKSIMS, CA
[72] POUTANEN, TOMI JOHAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-02-25
[41] 2022-08-28
[30] US (63/154,796) 2021-02-28

**Canadian Applications Open to Public Inspection
August 28, 2022 to September 3, 2022**

[21] **3,150,326**
[13] A1

[51] **Int.Cl. A61L 9/20 (2006.01) B01D 45/12 (2006.01)**
[25] EN
[54] **ULTRAVIOLET RADIATION AIR SANITIZING MACHINE**
[54] **MACHINE D'ASSAINISSEMENT DE L'AIR A RAYONNEMENT ULTRAVIOLET**
[72] SHACKLE, KEVIN, US
[71] SHACKLE, KEVIN, US
[22] 2022-02-28
[41] 2022-09-01
[30] US (63/154,984) 2021-03-01

[21] **3,150,395**
[13] A1

[51] **Int.Cl. A61B 5/11 (2006.01) G16H 30/40 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HUMAN MOTION DETECTION AND TRACKING**
[54] **SYSTEME ET METHODE DE DETECTION ET DE SUIVI DE MOUVEMENTS HUMAINS**
[72] GINGRICH, NATHANAEL LLOYD, US
[72] SMITH, GREGORY MURRAY, US
[71] PHYSMODO, INC., US
[22] 2022-02-28
[41] 2022-09-02
[30] US (63/155,653) 2021-03-02
[30] US (17/362,299) 2021-06-29

[21] **3,150,443**
[13] A1

[51] **Int.Cl. A01F 25/12 (2006.01)**
[25] EN
[54] **VEGETATION HANGING AND DRYING SYSTEM**
[54] **SYSTEME DE SUSPENSION ET DE SECHAGE DE VEGETATION**
[72] CHANDLER LARKINS, TODD, US
[71] DRIFLOWER, LLC, US
[22] 2022-03-01
[41] 2022-09-03
[30] US (63/155,849) 2021-03-03
[30] US (63/155,851) 2021-03-03

[21] **3,150,478**
[13] A1

[51] **Int.Cl. G01S 15/88 (2006.01) G01N 29/04 (2006.01)**
[25] EN
[54] **ULTRASONIC TESTING FOR DEFECT DETECTION**
[54] **ESSAI ULTRASONIQUE POUR LA DETECTION DE DEFAILLANCES**
[72] BELANGER, PIERRE, CA
[72] LATETE, THIBAUT, CA
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
[22] 2022-02-28
[41] 2022-09-01
[30] US (63/155,095) 2021-03-01

[21] **3,150,491**
[13] A1

[51] **Int.Cl. A63B 71/12 (2006.01)**
[25] EN
[54] **HOCKEY GOALTENDER LEG PADS**
[54] **JAMBIERE DE GARDIEN DE BUT HOCKEY**
[72] DAGNEAU, FRANCOIS-OLIVIER, CA
[72] DUMONT, MARIE-JOSEE, CA
[72] OUELLET, FRANCIS, CA
[71] SPORT MASKA INC., CA
[22] 2022-02-28
[41] 2022-09-02
[30] US (63/155,352) 2021-03-02

[21] **3,150,565**
[13] A1

[51] **Int.Cl. F16B 37/08 (2006.01) F16B 1/00 (2006.01) F16B 35/00 (2006.01)**
[25] EN
[54] **STRUCTURAL FASTENER INCLUDING COUPLER FOR THREADED ROD**
[54] **ATTACHE STRUCTURALE COMPRENANT UN COUPLEUR POUR UNE TIGE FILETEE**
[72] KHAIRNAR, LALIT, IN
[72] WITHERBEE, MARTIN LEE, US
[72] KHALKAR, AMOL, IN
[72] VISHWANATH, RAJENDRA, IN
[72] DHALE, SAYALI SHRIDHAR, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2022-03-01
[41] 2022-09-03
[30] US (63/155871) 2021-03-03

[21] **3,150,566**
[13] A1

[51] **Int.Cl. B29C 51/26 (2006.01) B65D 1/46 (2006.01)**
[25] EN
[54] **CONTAINER HAVING A ROLLED RIM, AND METHOD OF MAKING THE SAME**
[54] **CONTENANT AYANT UN BORD ROULE ET METHODE DE FABRICATION**
[72] VAN NORTWICK, TOM, US
[72] HAUTZINGER, JEFF, US
[72] PETLAK, FRANK, US
[71] PACTIV LLC, US
[22] 2022-03-01
[41] 2022-09-03
[30] US (17/191,620) 2021-03-03

[21] **3,150,568**
[13] A1

[51] **Int.Cl. B65D 33/00 (2006.01) A63H 33/00 (2006.01) B42D 15/00 (2006.01)**
[25] EN
[54] **POP-UP GIFT BAG**
[54] **SAC-CADEAU A DECOUPES**
[72] KELLY, CHARLES ROBERT, US
[71] AMERICAN GREETINGS CORPORATION, US
[22] 2022-03-01
[41] 2022-09-01
[30] US (17/682,398) 2022-02-28
[30] US (63/154,881) 2021-03-01

[21] **3,150,578**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01) G06Q 30/02 (2012.01) G06F 12/02 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD FOR SOCIAL MEDIA MARKETING MANAGEMENT AND SYSTEM THEREOF**
[54] **METHODE DE TRAITEMENT DE DONNEES POUR LA GESTION MARKETING DES RESEAUX SOCIAUX ET SYSTEME CONNEXE**
[72] LI, JIANXIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-03-01
[41] 2022-09-01
[30] CN (202110226137.9) 2021-03-01

Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022

[21] **3,150,580**
 [13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01)**
 [25] EN
 [54] **METHOD AND SYSTEM FOR INTELLIGENT MARKETING**
 [54] **METHODE ET SYSTEME DE MARKETING INTELLIGENT**
 [72] MENG, QINGYU, CN
 [71] 10353744 CANADA LTD., CA
 [22] 2022-03-01
 [41] 2022-09-01
 [30] CN (202110226143.4) 2021-03-01

[21] **3,150,581**
 [13] A1

[51] **Int.Cl. G06F 16/901 (2019.01)**
 [25] EN
 [54] **METHOD, APPARATUS, AND SYSTEM FOR INCREMENTAL UPDATE OF GRAPHS**
 [54] **METHODE, APPAREIL ET SYSTEME POUR LA MISE A JOUR PROGRESSIVE DE GRAPHIQUES**
 [72] LIU, PENGCHENG, CN
 [72] CHU, ZHE, CN
 [71] 10353744 CANADA LTD., CA
 [22] 2022-03-01
 [41] 2022-09-01
 [30] CN (202110225944.9) 2021-03-01

[21] **3,150,583**
 [13] A1

[51] **Int.Cl. E04G 1/15 (2006.01) E04G 5/04 (2006.01) E04G 5/08 (2006.01) E04G 7/28 (2006.01)**
 [25] EN
 [54] **INTERLOCKING WORK PLATFORM SYSTEM AND METHOD**
 [54] **SYSTEME DE PLATEFORMES DE TRAVAIL INTERVERROUILLEES ET METHODE**
 [72] CHEN, FANG, CN
 [72] HE, LIANG, CN
 [72] ZHU, LING, CN
 [71] WERNER CO., US
 [22] 2022-03-01
 [41] 2022-09-02
 [30] US (63/155,722) 2021-03-02

[21] **3,150,588**
 [13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**
 [25] EN
 [54] **CREDIT EVALUATION METHOD, SYSTEM, STORAGE MEDIUM, AND ELECTRONIC APPARATUS FOR SMALL AND MICRO ENTERPRISES**
 [54] **METHODE D'EVALUATION DE CREDIT, SYSTEME, SUPPORT DE STOCKAGE ET APPAREIL ELECTRONIQUE POUR LES PETITES ET MICROENTREPRISES**
 [72] LIU, PEIBIN, CN
 [72] HUANG, HAILONG, CN
 [72] LIU, QIAN, CN
 [71] 10353744 CANADA LTD., CA
 [22] 2022-03-01
 [41] 2022-09-02
 [30] CN (202110231355.1) 2021-03-02

[21] **3,150,593**
 [13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01) G06K 9/62 (2022.01)**
 [25] EN
 [54] **METHOD FOR IDENTIFYING UNDERGROUND INDUSTRY ENTITIES AND SYSTEM THEREOF**
 [54] **METHODE DE DETERMINATION D'ENTITES CLANDESTINES D'INDUSTRIE ET SYSTEME CONNEXE**
 [72] LIU, PEIBIN, CN
 [72] XIONG, LEI, CN
 [71] 1035744 CANADA LTD., CA
 [22] 2022-03-01
 [41] 2022-09-02
 [30] CN (202110231361.7) 2021-03-02

[21] **3,150,597**
 [13] A1

[51] **Int.Cl. G06V 10/74 (2022.01) G06T 7/50 (2017.01) G06V 10/20 (2022.01) G06V 10/40 (2022.01) G06V 20/52 (2022.01)**
 [25] EN
 [54] **PEDESTRIAN DETECTING METHOD AND DEVICE**
 [54] **METHODE ET DISPOSITIF DE DETECTION DE PIETON**
 [72] YIN, YANTAO, CN
 [72] LIU, JIANG, CN
 [72] HUANG, YINJUN, CN
 [72] JI, HUAIYUAN, CN
 [72] JING, WEI, CN
 [71] 10353744 CANADA LTD., CA
 [22] 2022-03-01
 [41] 2022-09-02
 [30] CN (202110231224.3) 2021-03-02

[21] **3,150,616**
 [13] A1

[25] EN
 [54] **METHODS AND COMPOSITIONS OF DISPERSIBLE FERROELECTRIC NANOPARTICLES, AND USES THEREOF**
 [54] **METHODES ET COMPOSITIONS DE NANOPARTICULES FERROELECTRIQUES DISPERSIBLES ET UTILISATIONS CONNEXES**
 [72] TRUDEL, SIMON, CA
 [72] TAHERI, MARYAM, CA
 [72] BRYANT, STEVEN, CA
 [71] UTI LIMITED PARTNERSHIP, CA
 [22] 2022-03-01
 [41] 2022-09-02
 [30] US (63/155,456) 2021-03-02

**Canadian Applications Open to Public Inspection
August 28, 2022 to September 3, 2022**

[21] **3,150,622**
[13] A1

[51] **Int.Cl. H04N 21/47 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING CONTEXTUALLY RELEVANT INFORMATION**
[54] **SYSTEMES ET METHODES POUR FOURNIR DES RENSEIGNEMENTS PERTINENTS CONTEXTUELS**
[72] VELLA, ZANE, US
[72] IZBICKI, DOMINIQUE, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-03-01
[41] 2022-09-01
[30] US (17/188,674) 2021-03-01

[21] **3,150,625**
[13] A1

[51] **Int.Cl. E21B 36/00 (2006.01) E21B 17/02 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR INSTALLING A HYDROCARBON PRODUCTION SYSTEM**
[54] **SYSTEME ET PROCEDE POUR INSTALLER UN SYSTEME DE PRODUCTION D'HYDROCARBURES**
[72] HOGSTEAD, CLIFFORD VERNON, CA
[71] CENOVUS ENERGY INC., CA
[22] 2022-03-01
[41] 2022-09-03
[30] US (63/156,297) 2021-03-03

[21] **3,150,633**
[13] A1

[51] **Int.Cl. G06F 17/40 (2006.01) G01D 18/00 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **DATA ANALYSIS SYSTEM, MOBILE GAS MEASURING DEVICE AND DATA PROCESSING UNIT FOR SUCH A SYSTEM**
[54] **SYSTEME D'ANALYSE DE DONNEES, DISPOSITIF MOBILE DE MESURE DE GAZ ET UNITE DE TRAITEMENT DE DONNEES POUR UN TEL SYSTEME**
[72] BERNDT, MALTE, DE
[72] RODEHORST, CHRISTOF, DE
[72] MAAS, RAPHAEL, DE
[71] DRAGER SAFETY AG & CO. KGAA, DE
[22] 2022-02-28
[41] 2022-09-02
[30] DE (102021105015.4) 2021-03-02

[21] **3,150,641**
[13] A1

[51] **Int.Cl. H02G 1/00 (2006.01)**
[25] EN
[54] **WIRE INSTALLATION TOOL**
[54] **OUTIL D'INSTALLATION DE FILS**
[72] HUNTLEY, THOMAS, US
[71] HUNTLEY, THOMAS, US
[22] 2022-03-02
[41] 2022-09-02
[30] US (63/155,425) 2021-03-02

[21] **3,150,644**
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) G01M 3/02 (2006.01) G08B 27/00 (2006.01)**
[25] EN
[54] **PROCESS FOR ANALYZING DATA OF AT LEAST ONE MOBILE GAS MEASURING DEVICE AND OF A STATIONARY GAS MEASURING DEVICE AS WELL AS SYSTEM FOR MONITORING AT LEAST ONE GAS CONCENTRATION**
[54] **PROCEDE D'ANALYSE DE DONNEES D'AU MOINS UN DISPOSITIF MOBILE DE MESURE DE GAZ ET D'UN DISPOSITIF STATIONNAIRE DE MESURE DE GAZ, ET SYSTEME POUR SURVEILLER AU MOINS UNE CONCENTRATION DE GAZ**
[72] BERNDT, MALTE, DE
[72] RODEHORST, CHRISTOF, DE
[72] MAAS, RAPHAEL, DE
[71] DRAGER SAFETY AG & CO. KGAA, DE
[22] 2022-02-28
[41] 2022-09-02
[30] DE (102021105014.6) 2021-03-02

[21] **3,150,650**
[13] A1

[51] **Int.Cl. E06B 3/88 (2006.01)**
[25] EN
[54] **DOOR SHOE**
[54] **ETRIER DE PORTE**
[72] SWOFFORD, ELLEN AMANDA, US
[72] HIGGINBOTHAM JR., GARY LAWRENCE, US
[71] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
[22] 2022-03-02
[41] 2022-09-02
[30] US (17/676,616) 2022-02-21
[30] US (63/155,552) 2021-03-02

**Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022**

[21] **3,150,660**
[13] A1

[51] **Int.Cl. B25J 17/00 (2006.01) B25J 9/06 (2006.01) B25J 9/12 (2006.01)**
[25] EN
[54] **BRAKE SYSTEM FOR ARTICULATED MECHANISM**
[54] **SYSTEME DE FREINAGE POUR UN MECANISME ARTICULE**
[72] GOULET, DOMINIC, CA
[71] KINOVA INC., CA
[22] 2022-03-01
[41] 2022-09-02
[30] US (63/155,468) 2021-03-02

[21] **3,150,663**
[13] A1

[51] **Int.Cl. B62D 33/04 (2006.01) B25H 5/00 (2006.01) B60R 9/06 (2006.01)**
[25] EN
[54] **TOOL AND CARGO BAG AND TAILGATE ATTACHMENT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'OUTIL, DE SAC A OUTILS ET DE FIXATION DE HAYON**
[72] LESKOSEK, AARON MICHAEL, CA
[71] LESKOSEK, AARON MICHAEL, CA
[22] 2022-03-02
[41] 2022-09-03
[30] US (63/156,131) 2021-03-03

[21] **3,150,676**
[13] A1

[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 50/16 (2012.01) G06F 16/90 (2019.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE EVALUATION SYSTEM USING COLLECTED INFORMATION ON ALTERNATIVES AND SELECTIONS**
[54] **SYSTEME D'EVALUATION A INTELLIGENCE ARTIFICIELLE UTILISANT LES RENSEIGNEMENTS RECUEILLIS SUR LES OPTIONS DE RECHANGE ET LES SELECTIONS**
[72] PROMAN, MATT, US
[71] BID MY LISTING, INC., US
[22] 2022-03-02
[41] 2022-09-02
[30] US (63155712) 2021-03-02

[21] **3,150,688**
[13] A1

[51] **Int.Cl. G06F 30/12 (2020.01)**
[25] EN
[54] **PERFORMANT CONFIGURATION USER INTERFACE**
[54] **INTERFACE UTILISATEUR DE CONFIGURATION PERFORMANTE**
[72] PRESLEY, KATI, US
[72] LELLIS, NICOLE, US
[72] ARORA, ALPANA, US
[71] BUILDER HOMESITE, INC., US
[22] 2022-03-02
[41] 2022-09-02
[30] US (63/155,419) 2021-03-02

[21] **3,150,708**
[13] A1

[51] **Int.Cl. E01B 29/06 (2006.01)**
[25] EN
[54] **RAIL TIE DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE TRAVERSES DE RAIL**
[72] WALTON, STEVEN R., US
[72] HERZOG, JACOB D., US
[72] SHIRK, TONY, US
[72] MARSHALL, DANIEL T., US
[72] BAILEY, DAMON, US
[71] HERZOG RAILROAD SERVICES, INC., US
[22] 2022-03-01
[41] 2022-09-01
[30] US (63/155,042) 2021-03-01
[30] US (63/263,275) 2021-10-29
[30] US (17/652,844) 2022-02-28
[30] US (17/652,853) 2022-02-28

[21] **3,150,712**
[13] A1

[51] **Int.Cl. B02C 25/00 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR NORMALLY-ON POWER TOOL**
[54] **SYSTEME DE COMMANDE D'OUTIL ELECTRIQUE GENERALEMENT EN MARCHÉ**
[72] CHUNG, KOON FOR, HK
[72] WANG, YAN JIA, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-03-01
[41] 2022-09-03
[30] CN (202110233320.1) 2021-03-03

[21] **3,150,713**
[13] A1

[51] **Int.Cl. B05B 9/08 (2006.01) B05B 1/14 (2006.01) B05B 9/043 (2006.01)**
[25] EN
[54] **FLUID DELIVERY SYSTEMS FOR USE WITH POWER TOOLS**
[54] **SYSTEMES DE DISTRIBUTION DE FLUIDE A UTILISER AVEC DES OUTILS ELECTRIQUES**
[72] HOFFMAN, RONALD J., US
[72] HOLMAN, CHRISTOPHER A., US
[72] REED, SCOTT W., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-03-01
[41] 2022-09-03
[30] US (63/156,132) 2021-03-03

[21] **3,150,803**
[13] A1

[51] **Int.Cl. G06V 20/52 (2022.01) G06V 20/54 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR UTILIZING HEAT MAPS FOR TRAFFIC AND COMPLIANCE REPORTING**
[54] **SYSTEME ET METHODE D'UTILISATION DE CARTES DE DENSITE POUR LE RAPPORT DE TRAFIC ET D'OBSERVATION**
[72] CAMERON, JAMES ALLAN DOUGLAS, CA
[72] CARLE, MATTHEW AARON ROGERS, CA
[72] MILLAR, JONATHAN TAYLOR, CA
[71] PATRIOT ONE TECHNOLOGIES INC., CA
[22] 2022-03-01
[41] 2022-09-01
[30] US (63/154836) 2021-03-01
[30] US (17/330971) 2021-05-26
[30] US (17/548494) 2021-12-11

**Canadian Applications Open to Public Inspection
August 28, 2022 to September 3, 2022**

[21] **3,150,810**
[13] A1

[51] **Int.Cl. F16B 1/00 (2006.01) A63C 19/10 (2006.01) E04H 17/18 (2006.01) E04H 17/20 (2006.01) F16B 5/00 (2006.01) F25C 3/02 (2006.01)**

[25] EN

[54] **SELF-STANDING MODULAR STRUCTURE AND SUPPORT THEREOF**

[54] **STRUCTURE MODULAIRE A SUPPORT AUTONOME ET SUPPORT CONNEXE**

[72] STOLLER, JAMES E., US

[71] STOLLER, JAMES E., US

[22] 2022-03-03

[41] 2022-09-03

[30] US (63/200,385) 2021-03-03

[21] **3,150,832**
[13] A1

[51] **Int.Cl. E21B 33/047 (2006.01)**

[25] EN

[54] **DUAL STRING HANGER ASSEMBLY**

[54] **ASSEMBLAGE DE SUPPORT A DOUBLE COLONNE**

[72] STOEISSER, EMERY, CA

[72] HULT, VERN, CA

[71] EVOLUTION OIL TOOLS INC., CA

[22] 2022-03-03

[41] 2022-09-03

[30] US (63/155,834) 2021-03-03

[21] **3,150,993**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**

[25] EN

[54] **METHOD OF MONITORING ORDER WITH ASYNCHRONOUS ORDER STATUSES, DEVICE, EQUIPMENT AND MEDIUM**

[54] **METHODE DE SURVEILLANCE DE COMMANDES A ETATS ASYNCHRONES, DISPOSITIF, MATERIEL ET SUPPORT**

[72] ZHENG, XUELEN, CN

[72] YAO, SHUN, CN

[72] LIU, JIANYANG, CN

[71] 10353744 CANADA LTD., CA

[22] 2022-03-03

[41] 2022-09-03

[30] CN (202110235421.2) 2021-03-03

[21] **3,151,001**
[13] A1

[51] **Int.Cl. G06F 16/00 (2019.01) G06F 9/44 (2018.01)**

[25] EN

[54] **METHOD AND DEVICE FOR UNIFORMLY MANAGING DATA EXPORT FUNCTIONS OF MULTIPLE SUBSYSTEMS IN SYSTEM**

[54] **METHODE ET DISPOSITIF POUR LA GESTION UNIFORME DES FONCTIONS D'EXPORTATION DE DONNEES DE MULTIPLES SOUS-SYSTEMES DANS UN SYSTEME**

[72] YAO, SHUN, CN

[72] LIU, JIANYANG, CN

[72] ZHENG, XUELUN, CN

[72] LI, DAOXIN, CN

[71] 10353744 CANADA LTD., CA

[22] 2022-03-03

[41] 2022-09-03

[30] CN (202110235415.7) 2021-03-03

[21] **3,151,034**
[13] A1

[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 33/15 (2006.01) G01N 33/567 (2006.01)**

[25] EN

[54] **BIOASSAY METHOD FOR COMPOUNDS USEFUL TO TREAT PAIN**

[54] **METHODE DE BIOESSAI POUR DES COMPOSES UTILES POUR TRAITER LA DOULEUR**

[72] SANGLE, GANESH VISHWANATH, IN

[72] UNADKAT, VISHAL BHARATBHAI, IN

[72] PANDYA, HETA NISHIL, IN

[72] JASH, KAVYA SIDDHARTHA, IN

[71] KASHIV BIOSCIENCES, LLC, US

[22] 2022-03-02

[41] 2022-09-03

[30] IN (IN202121009004) 2021-03-03

[21] **3,151,100**
[13] A1

[51] **Int.Cl. A47B 53/00 (2006.01) B25H 3/02 (2006.01) B25H 5/00 (2006.01) B65G 1/10 (2006.01) B65G 67/02 (2006.01) B66F 9/02 (2006.01)**

[25] EN

[54] **STORAGE ARRANGEMENT**

[54] **CONFIGURATION DE STOCKAGE**

[72] SEEMULLER, STEFAN, DE

[72] LEIKING, LARS, DE

[72] CREMER, HOLGER, DE

[72] ALBERG, ANATOLIJ, DE

[72] CAVELIUS, JORG, DE

[71] JUNGHEINRICH AKTIENGESELLSCHAFT, DE

[22] 2022-03-03

[41] 2022-09-03

[30] EP (21160556.3) 2021-03-03

[21] **3,151,135**
[13] A1

[51] **Int.Cl. G01R 33/56 (2006.01) A61B 34/10 (2016.01) G16H 30/40 (2018.01) A61B 5/055 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF TRACTOGRAPHY LABELING IN THE PRESENCE OF BRAIN LESION**

[54] **SYSTEME ET METHODE D'ETIQUETAGE DE TRACTOGRAPHIE EN CAS DE LESION CEREBRALE**

[72] HODGES, WES, CA

[72] MCNEELY, ALICIA, CA

[71] SYNAPTIVE MEDICAL INC., CA

[22] 2022-03-03

[41] 2022-09-03

[30] US (63/155,898) 2021-03-03

[30] US (17/502,278) 2021-10-15

[30] US (63/161,585) 2021-03-16

Demandes canadiennes mises à la disponibilité du public
28 août 2022 au 3 septembre 2022

[21] **3,151,159**
[13] A1

[51] **Int.Cl. H01L 45/00 (2006.01) H01L 27/02 (2006.01) H01P 7/10 (2006.01) H03B 5/30 (2006.01) H03H 9/00 (2006.01)**

[25] EN
[54] **TERAHERTZ FERROELECTRIC RESONATOR**

[54] **RESONATEUR FERROELECTRIQUE TERAHERTZ**

[72] LUKYANCHUK, IGOR, CH
[72] RAZUMNAYA, ANNA, CH
[72] VINOKOUR, VALERY, CH
[71] TERRA QUANTUM AG, CH
[22] 2022-03-03
[41] 2022-09-03
[30] EP (21160551.4) 2021-03-03

[21] **3,158,831**
[13] A1

[51] **Int.Cl. C25B 1/46 (2006.01) C25B 9/19 (2021.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01) C25B 15/08 (2006.01)**

[25] EN
[54] **PRODUCTION OF LITHIUM HYDROXIDE AND LITHIUM CARBONATE**

[54] **PRODUCTION D'HYDROXYDE DE LITHIUM ET DE CARBONATE DE LITHIUM**

[72] EHREN, PETER, CL
[71] LITHIUM ARK HOLDING B.V., NL
[22] 2022-05-12
[41] 2022-08-30
[30] US (17/395,457) 2021-08-06

[21] **3,163,279**
[13] A1

[51] **Int.Cl. A01G 9/033 (2018.01) E04B 7/18 (2006.01) E04D 13/00 (2006.01)**

[25] EN
[54] **MODULAR PLANTING SYSTEM FOR ROOF APPLICATIONS**

[54] **SYSTEME DE PLANTATION MODULAIRE POUR TOIT ET APPLICATIONS**

[72] MACKENZIE, DAVID S., US
[71] HORTECH, INC., US
[22] 2022-03-01
[41] 2022-09-02
[30] US (63/155,556) 2021-03-02

[21] **3,165,926**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED 1PQQS32**

[54] **MAIS AUTOGAME 1PQQS32**

[72] FISCHER, DAVID B., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-28
[41] 2022-08-28
[30] US (17/366,076) 2021-07-02

[21] **3,166,039**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED 1PGBW33**

[54] **MAIS AUTOGAME 1PGBW33**

[72] GROTE, EDWIN MICHAEL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-29
[41] 2022-08-29
[30] US (17/366,086) 2021-07-02

[21] **3,166,836**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE HYBRID X80T615**

[54] **MAIS HYBRIDE X80T615**

[72] COLEMAN, TRAVIS KORRY, US
[72] DOLAN, DENNIS JAMES, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[72] MONTPETIT, JEAN-MARC, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-07-06
[41] 2022-08-31
[30] US (63/230,865) 2021-08-09
[30] US (17/808,851) 2022-06-24

[21] **3,166,866**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE HYBRID X90R999**

[54] **MAIS HYBRIDE X90R999**

[72] ARBELBIDE, MARTIN, US
[72] FABRIZIUS, MARTIN A., US
[72] GARCIA, GUSTAVO MARCELO, US
[72] KING, STEVEN PAUL, US
[72] WALCH, MATTHEW DAVID, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-07-06
[41] 2022-08-31
[30] US (17/377,450) 2021-07-16

**Canadian Applications Open to Public Inspection
August 28, 2022 to September 3, 2022**

[21] **3,166,870**

[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K
10/30 (2016.01) A23L 7/00 (2016.01)
A01H 6/46 (2018.01) A01H 1/00
(2006.01) A01H 5/00 (2018.01) A01H
5/10 (2018.01) C12N 5/10 (2006.01)
C12N 15/82 (2006.01) C12Q 1/68
(2018.01)**

[25] EN

[54] **MAIZE HYBRID X90R978**

[54] **MAIS HYBRIDE X90R978**

[72] ARBELBIDE, MARTIN, US

[72] GARCIA, GUSTAVO MARCELO, US

[72] KING, STEVEN PAUL, US

[71] PIONEER HI-BRED
INTERNATIONAL, INC., US

[22] 2022-07-06

[41] 2022-08-31

[30] US (17/377,452) 2021-07-16

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] 3,145,493 [13] A1	[21] 3,149,661 [13] A1	[21] 3,157,751 [13] A1
[51] Int.Cl. F04B 7/06 (2006.01) F04B 53/16 (2006.01) [25] EN [54] ROTATIONAL METERING PUMP FOR INSULIN PATCH [54] POMPE DE DOSAGE ROTATIVE POUR TIMBRE D'INSULINE [72] PIZZOCHERO, ALESSANDRO E., US [72] GYORY, RICHARD, US [72] FOCHT, KENNETH, US [72] FISK, JUSTIN, US [72] GORDON, JOE, US [72] PERRY, MATTHEW, US [72] D'SOUZA, AJIT, US [72] PETROFF, CHRIS, US [71] BECTON, DICKINSON AND COMPANY, US [85] 2022-01-24 [86] 2020-07-23 (PCT/US2020/043266) [87] (WO2021/016452) [30] US (16/521,685) 2019-07-25	[51] Int.Cl. C12N 15/67 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) [25] EN [54] TRANSLATION ENHANCER, TRANSLATION TEMPLATE MRNA, TRANSCRIPTION TEMPLATE DNA, METHOD OF PRODUCING TRANSLATION TEMPLATE MRNA, AND METHOD OF PRODUCING PROTEIN [54] AMELIORATEUR DE TRADUCTION, ARNM DE MODELE DE TRADUCTION, ADN DE MODELE DE TRANSCRIPTION, METHODE DE PRODUCTION D'UN ARNM DE MODELE DE TRADUCTION ET METHODE DE PRODUCTION D'UNE PROTEINE [72] MINAMI, SATORI, JP [72] ITAYA, TOMOTAKA, JP [72] TADA, HIROAKI, JP [72] MINAMI, MASATAKA, JP [71] NUPROTEIN CO., LTD., JP [85] 2022-02-08 [86] 2021-12-16 (PCT/JP2021/046607) [87] (3149661) [30] JP (2021-033276) 2021-03-03	[51] Int.Cl. G01N 21/35 (2014.01) [25] EN [54] METHOD FOR DETECTING LUNG CANCER [54] METHODE DE DETECTION DU CANCER DU POUMON [72] FOREMAN, LIBERTY, GB [72] FARR, LANCE, GB [71] SIERRA MEDICAL LTD, GB [85] 2022-07-27 [86] 2019-11-15 (PCT/GB2019/053245) [87] (WO2021/094703)
	[21] 3,152,165 [13] A1	[21] 3,158,356 [13] A1
	[51] Int.Cl. C07K 14/47 (2006.01) [25] EN [54] RECOMBINANT CALPROTECTIN [54] CALPROTECTINE RECOMBINANTE [72] GERHOLD, CHRISTIAN-BENEDIKT, DE [72] GERSPACH, MICHAEL ADRIAN, CH [72] GUSCHIN, DMITRII, DE [72] TAKACS, MICHAEL, DE [72] WEBER, JAKOB, CH [71] BUHLMANN LABORATORIES AG, CH [85] 2022-03-22 [86] 2021-02-24 (PCT/EP2021/054605) [87] (WO2021/170678) [30] EP (20159115.3) 2020-02-24	[51] Int.Cl. G01S 7/00 (2006.01) G01S 7/41 (2006.01) G01S 13/28 (2006.01) G01S 13/58 (2006.01) G01S 13/72 (2006.01) G01S 13/89 (2006.01) G01S 13/90 (2006.01) G08G 3/02 (2006.01) [25] EN [54] MARITIME SURVEILLANCE RADAR [54] RADAR DE SURVEILLANCE MARITIME [72] MARTINEZ, JOSE MARQUEZ, GB [71] AIRBUS DEFENCE AND SPACE LIMITED, GB [85] 2022-05-13 [86] 2020-11-11 (PCT/GB2020/052860) [87] (WO2021/094740) [30] EP (19275122.0) 2019-11-13

PCT Applications Entering the National Phase

[21] **3,158,436**
[13] A1

[51] **Int.Cl. B01D 45/04 (2006.01)**
[25] EN
[54] **SPHERICAL SAND SEPARATOR FOR PETROLEUM AND NATURAL GAS WELLS**
[54]
[72] BOYD, KEITH L., US
[72] WHITSETT, SCOTTY L., US
[72] KINDER, KEVIN J., US
[71] BOYD, KEITH L., US
[71] WHITSETT, SCOTTY L., US
[71] KINDER, KEVIN J., US
[85] 2022-05-13
[86] 2022-01-10 (PCT/US2022/011758)
[87] (3158436)
[30] US (63/136,198) 2021-01-11

[21] **3,161,680**
[13] A1

[51] **Int.Cl. H01M 8/248 (2016.01)**
[25] EN
[54] **METHOD FOR OPERATING AN ELECTROCHEMICAL CELL STACK ASSEMBLY**
[54] **PROCEDE DE FONCTIONNEMENT D'UN ENSEMBLE A EMPILEMENT DE CELLULES ELECTROCHIMIQUES**
[72] HOLLER, STEFAN, DE
[71] HOELLER ELECTROLYZER GMBH, DE
[85] 2022-06-13
[86] 2020-02-05 (PCT/EP2020/052832)
[87] (WO2021/155919)

[21] **3,161,727**
[13] A1

[51] **Int.Cl. C12P 5/02 (2006.01)**
[25] EN
[54] **METHODS AND MATERIALS FOR PRODUCING IDENTIFIABLE METHANOGENIC PRODUCTS**
[54] **PROCEDES ET MATERIAUX POUR LA PRODUCTION DE PRODUITS METHANOGENES**
[72] CONNORS, DANIEL EDWARD, US
[72] ZEMETRA, JOSEPH EDWARD, US
[71] TRANSWORLD TECHNOLOGIES INC., US
[85] 2022-06-13
[86] 2020-12-14 (PCT/US2020/064814)
[87] (WO2021/119584)
[30] US (16/713,407) 2019-12-13

[21] **3,161,493**
[13] A1

[51] **Int.Cl. G01S 17/87 (2020.01) G01S 13/931 (2020.01) G01S 17/931 (2020.01) G01S 13/86 (2006.01)**
[25] EN
[54] **A SITUATIONAL AWARENESS SYSTEM FOR AN AUTONOMOUS OR SEMI-AUTONOMOUS VEHICLE**
[54] **SYSTEME DE CONNAISSANCE SITUATIONNELLE POUR UN VEHICULE AUTONOME OU SEMI-AUTONOME**
[72] CHEVALIER, PHILIPPE ARTHUR JEAN GHISLAIN, BE
[72] EJZENBERG, GEOFFREY, BE
[72] JANS, NOEL, BE
[71] BEHAULT INDUSTRIAL PROPERTY OFFICE B.V., BE
[71] AUTONOMOUS KNIGHT BV, BE
[85] 2022-06-10
[86] 2020-12-07 (PCT/EP2020/084949)
[87] (WO2021/116045)
[30] EP (PCT/EP2019/084986) 2019-12-12

[21] **3,161,720**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHODS FOR DETECTING COLORECTAL CANCER**
[54] **PROCEDES DE DETECTION DU CANCER COLORECTAL**
[72] LEWIN, JORN, DE
[72] DENISE KOTTWITZ, DENISE, DE
[71] EPIGENOMICS AG, DE
[85] 2022-06-13
[86] 2020-12-16 (PCT/EP2020/086498)
[87] (WO2021/122799)
[30] EP (19216669.2) 2019-12-16

[21] **3,161,729**
[13] A1

[51] **Int.Cl. B23B 29/22 (2006.01)**
[25] EN
[54] **CUTTING INSERT ADAPTOR AND TOOL ASSEMBLY**
[54] **ADAPTATEUR D'INSERT DE COUPE ET ENSEMBLE OUTIL**
[72] HEN, DANIEL, IL
[71] ISCAR LTD., IL
[85] 2022-06-13
[86] 2020-12-07 (PCT/IL2020/051261)
[87] (WO2021/130741)
[30] US (16/727,188) 2019-12-26

[21] **3,161,723**
[13] A1

[51] **Int.Cl. A61K 38/39 (2006.01) C07K 14/78 (2006.01)**
[25] EN
[54] **SERUM ALBUMIN-BINDING FIBRONECTIN TYPE III DOMAINS AND USES THEREOF**
[54] **DOMAINES DE FIBRONECTINE DE TYPE III SE LIANT A LA SERUM-ALBUMINE ET LEURS UTILISATIONS**
[72] O'NEIL, KARYN, US
[72] XIN, YAO, US
[72] ADDIS, RUSSELL C., US
[71] ARO BIOTHERAPEUTICS COMPANY, US
[85] 2022-06-13
[86] 2020-12-18 (PCT/US2020/065878)
[87] (WO2021/127353)
[30] US (62/949,856) 2019-12-18

Demandes PCT entrant en phase nationale

[21] **3,161,731**
[13] A1

[51] **Int.Cl. A23D 9/02 (2006.01) A23K 10/20 (2016.01) A23K 20/147 (2016.01) A23K 20/158 (2016.01) A23L 33/17 (2016.01) A23J 1/04 (2006.01) C11B 1/06 (2006.01)**

[25] EN

[54] **METHOD FOR THE CONVERSION OF INSECTS INTO INSECT PULP AND NUTRIENT STREAMS, INSECT PULP AND NUTRIENT STREAMS OBTAINABLE BY THIS METHOD**

[54] **PROCEDE DE TRANSFORMATION D'INSECTES EN PATE D'INSECTES ET COURANTS NUTRITIFS, PATE D'INSECTES ET COURANTS NUTRITIFS POUVANT ETRE OBTENUS PAR CE PROCEDE**

[72] PAUL, AMAN, NL
[71] PROTIX B.V., NL
[85] 2022-06-13
[86] 2020-12-17 (PCT/NL2020/050801)
[87] (WO2021/125956)
[30] NL (2024481) 2019-12-17
[30] NL (2025547) 2020-05-11
[30] NL (PCT/NL2020/050571) 2020-09-16

[21] **3,161,732**
[13] A1

[51] **Int.Cl. A61L 2/00 (2006.01) A61F 2/82 (2013.01)**

[25] EN

[54] **DISINFECTING COMPOSITION, APPLICATOR, AND METHOD OF DISINFECTING**

[54] **COMPOSITION DESINFECTANTE, APPLICATEUR ET PROCEDE DE DESINFECTATION**

[72] BRYZEK, JOSEPH JR., US
[72] FORTIN, BRETT, US
[72] COFFEY, MARTIN, US
[72] MAALOUF, SHARBEL, US
[72] BALA, YEVGENIYA, US
[71] MEDLINE INDUSTRIES, LP, US
[85] 2022-06-13
[86] 2020-12-04 (PCT/US2020/063305)
[87] (WO2021/126550)
[30] US (16/717,610) 2019-12-17

[21] **3,161,733**
[13] A1

[51] **Int.Cl. A61K 47/60 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 9/10 (2006.01) C12N 15/70 (2006.01)**

[25] EN

[54] **IMPROVED HUMAN METHYLTHIOADENOSINE/ADENOSINE DEPLETING ENZYME VARIANTS FOR CANCER THERAPY**

[54] **VARIANTS D'ENZYME DE DEPLETION D'ADENOSINE/METHYLTHIOADENOSINE HUMAINE POUR LE TRAITEMENT DU CANCER**

[72] STONE, EVERETT, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-06-13
[86] 2021-01-06 (PCT/US2021/012291)
[87] (WO2021/141977)
[30] US (62/958,161) 2020-01-07

[21] **3,161,735**
[13] A1

[51] **Int.Cl. C12N 15/67 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **REGULATORY NUCLEIC ACID SEQUENCES**

[54] **SEQUENCES D'ACIDES NUCLEIQUES REGULATRICES**

[72] YANEZ-CUNA, JORGE OMAR, GB
[72] IGLESIAS, JUAN MANUEL, GB
[72] COOPER, SINCLAIR, GB
[72] BAKER, KATIE, GB
[72] KATSOUPI, POLYXENI, GB
[72] RAJAN, RINKU, GB
[72] GUERRINI, ILEANA, GB
[72] EVRIPIOTI, ANTONIA, GB
[72] MOURAO, KIRA, GB
[72] ROBERTS, MICHAEL L., GB
[71] ASKLEPIOS BIOPHARMACEUTICAL, INC., US
[85] 2022-06-13
[86] 2020-12-24 (PCT/GB2020/053371)
[87] (WO2021/130503)
[30] GB (1919269.9) 2019-12-24
[30] GB (2012192.7) 2020-08-05

[21] **3,161,779**
[13] A1

[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/125 (2016.01) A61K 31/19 (2006.01) A61K 31/352 (2006.01) A61K 31/353 (2006.01) A61K 31/375 (2006.01) A61K 31/7004 (2006.01) A61K 31/702 (2006.01) A61K 36/45 (2006.01) A61K 36/82 (2006.01) A61P 13/00 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR MANAGING INFECTIONS OF A URINARY TRACT**

[54] **COMPOSITIONS ET PROCEDES DE GESTION D'INFECTIONS DES VOIES URINAIRES**

[72] VYNCKIER, AN-KATRIEN, US
[72] VAN DEN DRIESSCHE, MIEKE, US
[71] METAGENICS, INC., US
[85] 2022-06-14
[86] 2020-12-18 (PCT/US2020/066064)
[87] (WO2021/127473)
[30] US (62/950,553) 2019-12-19

[21] **3,161,797**
[13] A1

[51] **Int.Cl. G01D 5/14 (2006.01)**

[25] EN

[54] **SENSOR ARRANGEMENT HAVING A DUAL MAGNET**

[54] **ENSEMBLE CAPTEUR A DOUBLE AIMANT**

[72] JARZOMSKI, MICHAEL, US
[72] BADRE-ALAM, ASKARI, US
[71] LORD CORPORATION, US
[85] 2022-06-14
[86] 2020-12-22 (PCT/US2020/066626)
[87] (WO2021/133808)
[30] US (62/953,652) 2019-12-26

PCT Applications Entering the National Phase

[21] 3,161,894 [13] A1	[21] 3,161,898 [13] A1	[21] 3,161,901 [13] A1
[51] Int.Cl. G06Q 10/06 (2012.01) [25] EN [54] OPTIMIZING PATIENT PLACEMENT AND SEQUENCING IN A DYNAMIC MEDICAL SYSTEM USING A COMPLEX HEURISTIC WITH EMBEDDED MACHINE LEARNING [54] OPTIMISATION DE POSITIONNEMENT ET DE SEQUENCAGE DE PATIENT DANS UN SYSTEME MEDICAL DYNAMIQUE A L'AIDE D'UNE HEURISTIQUE COMPLEXE AVEC APPRENTISSAGE MACHINE INTEGRE [72] DAY, ANDREW, US [72] THOMAS, BEX GEORGE, US [71] GE PRECISION HEALTHCARE LLC, US [85] 2022-06-14 [86] 2020-12-14 (PCT/US2020/064835) [87] (WO2021/126755) [30] US (16/721,219) 2019-12-19	[51] Int.Cl. C12P 19/00 (2006.01) C12N 9/88 (2006.01) [25] EN [54] INCREASING SPACE-TIME-YIELD, CARBON-CONVERSION-EFFICIENCY AND CARBON SUBSTRATE FLEXIBILITY IN THE PRODUCTION OF FINE CHEMICALS [54] AUGMENTATION DU RENDEMENT SPATIO-TEMPOREL, DE L'EFFICACITE DE CONVERSION DU CARBONE ET DE LA FLEXIBILITE DES SUBSTRAT CARBONES DANS LA PRODUCTION DE PRODUITS CHIMIQUES FINS [72] HOFF, BIRGIT, DE [72] OEDMAN, PETER, DE [72] WANDREY, GEORG BEJAMIN, DE [72] DIETZSCH, CHRISTIAN, DE [72] SATORY, DOMINIK, US [72] SCHROEDER, HARTWIG, DE [72] HAILER, ANNE-CATRIN, DE [72] ZELDER, OSKAR, DE [72] KUMAR, MUKESH, US [72] BLANKSCHIEN, MATTHEW DAVID, US [72] PLASSMEIER, JENS KLAUS, US [71] BASF SE, DE [85] 2022-06-14 [86] 2020-12-16 (PCT/EP2020/086342) [87] (WO2021/122687) [30] EP (19217809.3) 2019-12-19 [30] EP (20193397.5) 2020-08-28 [30] US (62/950,167) 2019-12-19	[51] Int.Cl. C07K 14/00 (2006.01) A61K 47/64 (2017.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 38/00 (2006.01) A61K 47/42 (2017.01) A61P 21/00 (2006.01) G01N 33/53 (2006.01) [25] EN [54] NOVEL CELLULAR DELIVERY METHODS [54] NOUVEAUX PROCEDES D'ADMINISTRATION CELLULAIRE [72] STONE, SHANE, AU [72] HALL, CLINTON, AU [72] STIRNWEISS, ANJA, AU [72] CUNNINGHAM, PAULA, AU [71] PYC THERAPEUTICS LIMITED, AU [85] 2022-06-14 [86] 2020-12-18 (PCT/AU2020/051397) [87] (WO2021/119756) [30] AU (2019904882) 2019-12-20
[21] 3,161,896 [13] A1	[21] 3,161,899 [13] A1	[21] 3,161,905 [13] A1
[51] Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01) [25] EN [54] METHODS AND COMPOSITIONS FOR HIGH EFFICIENCY HOMOLOGOUS REPAIR-BASED GENE EDITING [54] PROCEDES ET COMPOSITIONS POUR UNE EDITION GENIQUE BASEE SUR LA REPARATION HOMOLOGUE A HAUTE EFFICACITE [72] WEST, JAMES, US [71] AGGENETICS, INC., US [85] 2022-06-14 [86] 2020-12-17 (PCT/US2020/065478) [87] (WO2021/127091) [30] US (62/950,357) 2019-12-19	[51] Int.Cl. B60B 21/02 (2006.01) B60B 3/02 (2006.01) B60B 21/10 (2006.01) [25] EN [54] VEHICLE WHEELS AND METHODS OF MAKING VEHICLE WHEELS [54] ROUES DE VEHICULE ET PROCEDES DE FABRICATION DE ROUES DE VEHICULE [72] MASON, DOUGLAS P., US [72] CICCOLA, GABRIELE F., US [72] WALLACE, SPENCER, US [72] FINN, KELLEN M., US [71] HOWMET AEROSPACE INC., US [85] 2022-06-14 [86] 2020-09-21 (PCT/US2020/051829) [87] (WO2021/154340) [30] US (62/967,675) 2020-01-30	[51] Int.Cl. A61F 5/453 (2006.01) [25] EN [54] APPARATUS AND METHODS FOR RECEIVING DISCHARGED URINE [54] APPAREIL ET PROCEDES POUR LA RECEPTION D'URINE EXCRETEE [72] JOHANNES, ASHLEY MARIE, US [72] WOLFE, JUSTIN, US [71] PUREWICK CORPORATION, US [85] 2022-06-14 [86] 2020-12-16 (PCT/US2020/065234) [87] (WO2021/126920) [30] US (62/949,187) 2019-12-17
	[21] 3,161,899 [13] A1	[21] 3,161,906 [13] A1
	[51] Int.Cl. B60B 21/02 (2006.01) B60B 3/02 (2006.01) B60B 21/10 (2006.01) [25] EN [54] VEHICLE WHEELS AND METHODS OF MAKING VEHICLE WHEELS [54] ROUES DE VEHICULE ET PROCEDES DE FABRICATION DE ROUES DE VEHICULE [72] MASON, DOUGLAS P., US [72] CICCOLA, GABRIELE F., US [72] WALLACE, SPENCER, US [72] FINN, KELLEN M., US [71] HOWMET AEROSPACE INC., US [85] 2022-06-14 [86] 2020-09-21 (PCT/US2020/051829) [87] (WO2021/154340) [30] US (62/967,675) 2020-01-30	[51] Int.Cl. G01N 33/66 (2006.01) [25] EN [54] METHODS OF DETERMINING IMPAIRED GLUCOSE TOLERANCE [54] METHODES DE DETERMINATION D'UNE INTOLERANCE AU GLUCOSE [72] HAGAR, YOLANDA, US [71] SOMALOGIC OPERATING CO., INC., US [85] 2022-06-14 [86] 2021-01-08 (PCT/US2021/012612) [87] (WO2021/142200) [30] US (62/959,660) 2020-01-10

Demandes PCT entrant en phase nationale

[21] 3,161,907 [13] A1	[21] 3,161,908 [13] A1	[21] 3,161,911 [13] A1
[51] Int.Cl. C12Q 1/6886 (2018.01)	[51] Int.Cl. A61K 9/20 (2006.01) A61K 31/00 (2006.01) A61P 3/00 (2006.01) A61P 3/10 (2006.01) A61P 15/00 (2006.01) A61P 15/10 (2006.01) A61P 25/00 (2006.01) A61P 25/08 (2006.01) A61P 25/20 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 231/00 (2006.01) C07D 231/40 (2006.01) C07D 401/12 (2006.01) C07D 403/06 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 471/04 (2006.01)	[51] Int.Cl. A23G 3/34 (2006.01) A23G 3/54 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHOD FOR IMPROVING THE TREATMENT WITH IMMUNE CHECKPOINT BLOCKADE THERAPY	[54] PHARMACEUTICAL COMPOSITIONS COMPRISING N-[1-(5-CYANO-PYRIDIN-2-YLMETHYL)-1H-PYRAZOL-3-YL]-2-[4-(1-TRIFLUOROMETHYL-CYCLOPROPYL)-PHENYL]-ACETAMIDE	[54] CONFECTIONERY PRODUCT AND MANUFACTURING PROCESS THEREOF
[54] PROCEDE POUR AMELIORER LE TRAITEMENT AVEC UNE THERAPIE DE BLOCAGE DE POINT DE CONTROLE IMMUNITAIRE	[54] COMPOSITIONS PHARMACEUTIQUES COMPRENANT DU N-[1-(5-CYANO-PYRIDIN-2-YLMETHYL)-1H-PYRAZOL-3-YL]-2-[4-(1-TRIFLUOROMETHYL-CYCLOPROPYL)-PHENYL]-ACETAMIDE	[54] PRODUIT DE CONFISERIE ET SON PROCEDE DE FABRICATION
[72] LAZAR, VLADIMIR, FR	[72] AMBUEHL, MICHAEL, CH	[72] VLEUGELS, TANJA CATHARINA JOZEFINA, NL
[71] WORLDWIDE INNOVATIVE NETWORK, FR	[72] BENNIU, NASSER, CH	[72] DE JONG, PETRUS HENRICUS, NL
[85] 2022-06-14	[72] ELBAZ, FRANTZ, CH	[72] BOTTINI, ALESSANDRO, IT
[86] 2021-02-18 (PCT/EP2021/053970)	[72] HEYER, FREDERIC, CH	[71] PERFETTI VAN MELLE S.P.A., IT
[87] (WO2021/165367)	[72] SOW, IBRAHIMA, CH	[85] 2022-06-14
[30] EP (20305161.0) 2020-02-20	[71] IDORSIA PHARMACEUTICALS LTD, CH	[86] 2020-12-14 (PCT/EP2020/085999)
	[85] 2022-06-14	[87] (WO2021/122463)
	[86] 2020-11-02 (PCT/IB2020/060255)	[30] IT (102019000024027) 2019-12-16
	[87] (WO2021/123949)	
	[30] IB (PCT/IB2019/061192) 2019-12-20	[21] 3,161,914 [13] A1
		[51] Int.Cl. A61K 9/00 (2006.01) A61K 31/165 (2006.01) A61P 25/24 (2006.01)
		[25] EN
		[54] TRANSMUCOSAL THERAPEUTIC SYSTEM CONTAINING AGOMELATINE
		[54] SYSTEME THERAPEUTIQUE TRANSMUQUEUX CONTENANT DE L'AGOMELATINE
		[72] MOHR, PATRICK, DE
		[72] RIETSCHER, RENE, DE
		[72] EIFLER, RENE, DE
		[72] BOURQUAIN, OLGA, DE
		[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
		[85] 2022-06-14
		[86] 2020-10-02 (PCT/EP2020/077735)
		[87] (WO2020/260725)
		[30] EP (19218570.0) 2019-12-20

PCT Applications Entering the National Phase

[21] **3,161,916**
[13] A1

[51] **Int.Cl. G01N 30/34 (2006.01) G01N 30/20 (2006.01) G01N 30/74 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR MIXING LIQUIDS BY MOVING SAID LIQUIDS BACK AND FORTH BETWEEN A PUMP AND A MEASURING CELL, AND PHYSICOCHEMICAL ANALYSIS OF THE LIQUIDS MIXED IN THIS MANNER**

[54] **DISPOSITIFS ET PROCEDES DE MELANGE DE LIQUIDES PAR VA-ET-VIENT ENTRE POMPE ET CELLULE DE MESURE, ET ANALYSE PHYSICOCHIMIQUE DES LIQUIDES AINSI MELANGES**

[72] BROUSSARD, SYLVAIN, FR

[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2022-06-14

[86] 2020-12-14 (PCT/FR2020/052407)

[87] (WO2021/130424)

[30] FR (1915424) 2019-12-23

[21] **3,161,918**
[13] A1

[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/008 (2012.01) E21B 47/017 (2012.01) E21B 47/06 (2012.01) G05B 19/042 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FLUID END HEALTH MONITORING**

[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE SANTE D'EXTREMITE DE FLUIDE**

[72] CHRISTINZIO, ALEXANDER, US

[72] ALBERT, ARDEN, US

[72] ROBINSON, LON, US

[72] OEHRING, JARED, US

[71] U.S. WELL SERVICES, LLC, US

[85] 2022-06-14

[86] 2020-12-28 (PCT/US2020/067146)

[87] (WO2021/134063)

[30] US (62/954,214) 2019-12-27

[30] US (17/134,880) 2020-12-28

[21] **3,161,919**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **ANTI-C-MET ANTIBODY-DRUG CONJUGATE AND APPLICATIONS THEREOF**

[54] **CONJUGUE MEDICAMENT-ANTICORPS ANTI C-MET ET SES APPLICATIONS**

[72] FANG, JIANMIN, CN

[72] HUANG, CHANGJIANG, CN

[72] YAO, XUEJING, CN

[72] LUO, WENTING, CN

[71] REMEGEN CO., LTD., CN

[85] 2022-06-14

[86] 2021-08-31 (PCT/CN2021/115490)

[87] (WO2022/048521)

[30] CN (PCT/CN2020/112919) 2020-09-01

[30] CN (202010918330.4) 2020-09-02

[21] **3,161,922**
[13] A1

[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/38 (2006.01) C09K 8/584 (2006.01) C09K 8/64 (2006.01) C09K 8/70 (2006.01)**

[25] EN

[54] **SURFACTANTS FOR OIL AND GAS PRODUCTION**

[54] **TENSIOACTIFS POUR LA PRODUCTION D'HUILE ET DE GAZ**

[72] ASIRVATHAM, EDWARD, US

[71] ADVANSIX RESINS & CHEMICALS LLC., US

[85] 2022-06-14

[86] 2020-12-18 (PCT/US2020/066027)

[87] (WO2021/138086)

[30] US (62/955,873) 2019-12-31

[21] **3,161,924**
[13] A1

[51] **Int.Cl. C08L 7/00 (2006.01) C08G 8/02 (2006.01) C08G 8/20 (2006.01) C08L 21/00 (2006.01) C09J 161/04 (2006.01) C09J 161/12 (2006.01)**

[25] EN

[54] **PHLOROGLUCINOLIC RESINS, METHODS OF MAKING, AND USES IN RUBBER COMPOSITIONS**

[54] **RESINES PHLOROGLUCINOLIQUES, PROCEDES DE PREPARATION ET UTILISATIONS DANS DES COMPOSITIONS DE CAOUTCHOUC**

[72] ITAHASHI, TAMON, US

[72] NOBUOKA, TOSHIHIRO, US

[72] WALKUP, C. MICHAEL, US

[71] SUMITOMO CHEMICAL ADVANCED TECHNOLOGIES LLC, D.B.A. SUMIKA ELECTRONIC MATERIALS, US

[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP

[85] 2022-06-14

[86] 2021-01-06 (PCT/US2021/012237)

[87] (WO2021/141934)

[30] US (62/958,789) 2020-01-09

[21] **3,161,925**
[13] A1

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

[25] EN

[54] **DISINFECTING SYRINGE TIP**

[54] **EMBOUT DE DESINFECTION DE SERINGUE**

[72] RYAN, KEVIN M., US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2022-06-14

[86] 2020-12-16 (PCT/US2020/065228)

[87] (WO2021/133599)

[30] US (62/952,830) 2019-12-23

[30] US (17/120,529) 2020-12-14

Demandes PCT entrant en phase nationale

[21] **3,161,927**
[13] A1

[51] **Int.Cl. A63F 13/52 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR EXECUTING INTERACTION EVENT, ELECTRONIC DEVICE, COMPUTER-READABLE STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT**

[54] **PROCEDE ET DISPOSITIF POUR EXECUTER UN EVENEMENT INTERACTIF, DISPOSITIF ELECTRONIQUE, SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR, ET PRODUIT DE PROGRAMME INFORMATIQUE**

[72] YU, ZHONGHUA, CN
[71] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2022-06-14
[86] 2021-10-22 (PCT/CN2021/125589)
[87] (WO2022/111164)
[30] CN (202011360571.8) 2020-11-27

[21] **3,161,928**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **PAVER SUPPORTING APPARATUS**

[54] **APPAREIL DE SUPPORT DE PAVE**

[72] REPASKY, KEVIN, US
[72] REPASKY, BRIAN, US
[71] HANOVER PREST-PAVING COMPANY, US
[85] 2022-06-14
[86] 2020-12-17 (PCT/US2020/065635)
[87] (WO2021/127194)
[30] US (16/717,071) 2019-12-17

[21] **3,161,930**
[13] A1

[51] **Int.Cl. C07H 21/04 (2006.01) C12N 1/13 (2006.01)**
[25] EN
[54] **RECOMBINANT ALGAE HAVING HIGH LIPID PRODUCTIVITY**

[54] **ALGUES RECOMBINANTES PRESENTANT UNE PRODUCTIVITE LIPIDIQUE ELEVEE**

[72] MOELLERING, ERIC R., US
[72] IMAM, SAHEED, US
[72] PEACH, LUKE, US
[72] KALB, RYAN, US
[72] POTTS, SARAH, US
[71] VIRIDOS, INC., US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065323)
[87] (WO2021/126987)
[30] US (62/949,378) 2019-12-17

[21] **3,161,931**
[13] A1

[51] **Int.Cl. A47J 27/14 (2006.01) A47J 37/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PREPARING COOKED FOOD**

[54] **APPAREIL ET PROCEDE DE PREPARATION D'ALIMENTS CUITS**

[72] WILSON, AUDLEY, US
[72] BRAIDO, DAN, US
[72] SIEGEL, ANDREW, US
[71] ROBOBURGER ENTERPRISES, INC., US
[85] 2022-06-14
[86] 2021-02-03 (PCT/US2021/016448)
[87] (WO2021/158684)
[30] US (16/780,131) 2020-02-03

[21] **3,161,933**
[13] A1

[51] **Int.Cl. B01D 17/04 (2006.01) B01D 53/14 (2006.01) B01D 53/18 (2006.01)**
[25] EN
[54] **STEAM HOSE WITH INTERNAL LINER FOR CHEMICAL CLEANING**

[54] **TUYAU FLEXIBLE DE VAPEUR AVEC DOUBLURE INTERNE POUR NETTOYAGE CHIMIQUE**

[72] RUSSEK, MICHAEL J, US
[72] SEARS, SEAN E, US
[71] REFINED TECHNOLOGIES, INC., US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065345)
[87] (WO2021/127002)
[30] US (62/948,636) 2019-12-16

[21] **3,161,934**
[13] A1

[51] **Int.Cl. B65D 71/14 (2006.01) B65D 71/36 (2006.01)**
[25] EN
[54] **CARTON AND BLANK THEREFOR**

[54] **CARTON ET EBAUCHE ASSOCIEE**

[72] ZACHERLE, MATTHEW E., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065224)
[87] (WO2021/126914)
[30] US (62/948,471) 2019-12-16

[21] **3,161,935**
[13] A1

[51] **Int.Cl. A61K 35/741 (2015.01) A61K 35/742 (2015.01) A61K 35/744 (2015.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A61K 39/35 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **ALLERGY TREATMENT**

[54] **TRAITEMENT ANTI-ALLERGIQUE**

[72] TANG, MIMI LAI-KUAN, AU
[71] PROTA THERAPEUTICS PTY LTD, AU
[85] 2022-06-14
[86] 2020-12-23 (PCT/AU2020/051421)
[87] (WO2021/127736)
[30] EP (19219500.6) 2019-12-23
[30] AU (2020902339) 2020-07-07

PCT Applications Entering the National Phase

[21] **3,161,936**
[13] A1

[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/192 (2006.01) A61K 31/365 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION FOR TREATMENT OR PREVENTION OF MULTIPLE INFLAMMATORY DISORDERS**

[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT OU LA PREVENTION DE NOMBREUX TROUBLES INFLAMMATOIRES**

[72] LEE, TIEN-LI, US
[72] ZHENG, ZHENHUAN, US
[72] NIETHAMMER, ANDREAS, US
[72] TIMMER, ANJULI, US
[71] AARDVARK THERAPEUTICS INC., US

[85] 2022-06-14
[86] 2020-12-23 (PCT/US2020/066835)
[87] (WO2021/133908)
[30] US (62/971,202) 2020-02-06
[30] US (62/953,461) 2019-12-24
[30] US (63/092,453) 2020-10-15
[30] US (63/022,565) 2020-05-10

[21] **3,161,937**
[13] A1

[51] **Int.Cl. B65C 9/18 (2006.01)**

[25] EN

[54] **LABELING MACHINE**

[54] **MACHINE D'ETIQUETAGE**

[72] BARDINI, RICCARDO, IT
[71] P.E. LABELLERS S.P.A., IT

[85] 2022-06-14
[86] 2020-12-29 (PCT/EP2020/087966)
[87] (WO2021/144137)
[30] IT (10202000000400) 2020-01-13

[21] **3,161,938**
[13] A1

[51] **Int.Cl. C08G 73/06 (2006.01) C08L 79/04 (2006.01)**

[25] EN

[54] **METHOD FOR PREPARATION OF A MOULDED COMPOSITE FROM A BULK MOULDING COMPOUND**

[54] **PROCEDE DE PREPARATION D'UN COMPOSITE MOULE A PARTIR D'UN COMPOSE DE MOULAGE EN VRAC**

[72] LA DELFA, GAETANO, CH
[72] ELLINGER, STEFAN, CH
[72] MAZOTTI, ROGER, CH
[72] SOMMER, MARCEL, DE
[72] LANDONIO, SANDRO, IT
[72] LICARI, STEFANO, IT
[71] ARXADA AG, CH

[85] 2022-06-14
[86] 2021-02-12 (PCT/EP2021/053559)
[87] (WO2021/160866)
[30] EP (20157481.1) 2020-02-14

[21] **3,161,939**
[13] A1

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

[25] EN

[54] **A METHOD OF DETECTING AND/OR QUANTITATING AN ANALYTE OF INTEREST IN A PLURALITY OF BIOLOGICAL LIQUID SAMPLES**

[54] **PROCEDE DE DETECTION ET/OU DE QUANTIFICATION D'UN ANALYTE D'INTERET DANS UNE PLURALITE D'ECHANTILLONS LIQUIDES BIOLOGIQUES**

[72] ERMANTRAUT, EUGEN, DE
[72] STEINMETZER, KATRIN, DE
[72] HUBOLD, STEPHAN, DE
[72] ELLINGER, THOMAS, DE
[72] LEMUTH, OLIVER, DE
[71] BLINK AG, DE

[85] 2022-06-14
[86] 2020-12-15 (PCT/EP2020/086194)
[87] (WO2021/122579)
[30] EP (19216592.6) 2019-12-16

[21] **3,161,940**
[13] A1

[51] **Int.Cl. B22F 1/145 (2022.01) B33Y 70/00 (2020.01) B29C 64/153 (2017.01) B29C 64/314 (2017.01) B33Y 40/10 (2020.01) B22F 10/28 (2021.01) B22F 1/142 (2022.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TREATING ADDITIVE POWDER**

[54] **SYSTEME ET PROCEDE POUR TRAITEMENT DE POUDRE D'ADDITIF**

[72] LAROUCHE, FREDERIC, CA
[71] AP&C ADVANCED POWDERS & COATINGS INC., CA

[85] 2022-06-14
[86] 2021-01-29 (PCT/IB2021/050741)
[87] (WO2021/152543)
[30] US (16/776,571) 2020-01-30

[21] **3,161,941**
[13] A1

[51] **Int.Cl. H02K 1/27 (2022.01) H02K 1/30 (2006.01)**

[25] EN

[54] **ROTOR SUPPORT, ROTOR, MOTOR, AND WIND TURBINE**

[54] **SUPPORT DE ROTOR, ROTOR, MOTEUR ET EOLIENNE**

[72] LI, YANHUI, CN
[72] PENG, LIANG, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN

[85] 2022-06-14
[86] 2020-06-10 (PCT/CN2020/095346)
[87] (WO2021/120546)
[30] CN (201911330518.0) 2019-12-20

Demandes PCT entrant en phase nationale

[21] **3,161,942**
[13] A1

[51] **Int.Cl. B65D 25/24 (2006.01)**
[25] EN
[54] **TRANSPORTATION TOOLING STRUCTURE, SPLIT ELECTRIC MOTOR MODULE WITH TRANSPORTATION TOOLING STRUCTURE, AND TRANSPORTATION METHOD**
[54] **STRUCTURE D'OUTILLAGE DE TRANSPORT, MODULE DE MOTEUR ELECTRIQUE FENDU AVEC STRUCTURE D'OUTILLAGE DE TRANSPORT ET PROCEDE DE TRANSPORT**

[72] ZHAO, JIANGWEI, CN
[72] LUO, JIUYANG, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2022-06-14
[86] 2020-07-08 (PCT/CN2020/100931)
[87] (WO2021/128806)
[30] CN (201911342162.2) 2019-12-23

[21] **3,161,943**
[13] A1

[51] **Int.Cl. G01N 3/38 (2006.01)**
[25] EN
[54] **PHOTOACOUSTIC REMOTE SENSING (PARS), AND RELATED METHODS OF USE**
[54] **DETECTION PHOTOACOUSTIQUE A DISTANCE (PARS) ET PROCEDES D'UTILISATION ASSOCIES**

[72] HAJI REZA, PARSIN, CA
[72] BELL, KEVAN, CA
[71] ILLUMISONICS INC., CA
[85] 2022-06-14
[86] 2019-12-19 (PCT/IB2019/061131)
[87] (WO2021/123893)

[21] **3,161,960**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01)**
[25] EN
[54] **LEVOSIMENDAN FOR TREATING PULMONARY HYPERTENSION WITH HEART FAILURE WITH PRESERVED EJECTION FRACTION (PH-HF-PEF)**
[54] **LEVOSIMENDAN POUR TRAITER L'HYPERTENSION PULMONAIRE ACCOMPAGNEE D'UNE INSUFFISANCE CARDIAQUE AU MOYEN D'UNE FRACTION D'EJECTION PRESERVEE (PH-HF-PEF)**

[72] RANDALL, DOUGLAS, US
[72] HAY, DOUGLAS, US
[72] RICH, STUART, US
[71] TENAX THERAPEUTICS, INC., US
[85] 2022-06-15
[86] 2020-12-15 (PCT/US2020/065166)
[87] (WO2021/126884)
[30] US (62/948,735) 2019-12-16
[30] US (62/988,720) 2020-03-12
[30] US (62/967,920) 2020-01-30
[30] US (63/033,773) 2020-06-02
[30] US (63/064,671) 2020-08-12

[21] **3,161,966**
[13] A1

[51] **Int.Cl. F41H 5/04 (2006.01)**
[25] EN
[54] **BLAST PROTECTION PANEL**
[54] **PANNEAU DE PROTECTION CONTRE LES EXPLOSIONS**

[72] ROEBROEKS, GERARDUS HUBERTUS JOANNES JOSEPH, NL
[72] HOOGLAND, JAN, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2022-06-15
[86] 2020-12-16 (PCT/NL2020/050796)
[87] (WO2021/125952)
[30] EP (19217545.3) 2019-12-18

[21] **3,161,991**
[13] A1

[51] **Int.Cl. A24C 5/02 (2006.01) A24C 5/54 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FILLING A HOLLOW CIRCULAR-SECTION SLEEVE WITH A PRODUCT**
[54] **APPAREIL ET PROCEDE POUR REMPLIR UN MANCHON CREUX DE SECTION CIRCULAIRE AVEC UN PRODUIT**

[72] KEATES, PAUL, GB
[72] PARRIS, RYAN, GB
[72] HARDIMAN, DAVID, GB
[72] HUTCHINGS, KEITH, GB
[71] COLIN MEAR ENGINEERING LTD, GB
[85] 2022-06-15
[86] 2020-12-17 (PCT/GB2020/053260)
[87] (WO2021/123787)
[30] GB (1919052.9) 2019-12-20

[21] **3,162,005**
[13] A1

[51] **Int.Cl. C09D 5/44 (2006.01) C09D 5/00 (2006.01)**
[25] EN
[54] **LAMP BLACK PIGMENT CONTAINING ELECTRODEPOSITION COATING MATERIAL COMPOSITIONS**
[54] **PIGMENT NOIR DE FUMEE CONTENANT DES COMPOSITIONS DE MATERIAU DE REVETEMENT PAR ELECTRODEPOSITION**

[72] GROSSE-BRINKHAUS, KARL-HEINZ, DE
[72] PENNEKAMP, BRITTA, DE
[72] BERG, SEBASTIAN, DE
[72] FELDKAMP, DANIEL, DE
[71] BASF COATINGS GMBH, DE
[85] 2022-06-15
[86] 2020-12-18 (PCT/EP2020/086942)
[87] (WO2021/123106)
[30] EP (19218205.3) 2019-12-19

PCT Applications Entering the National Phase

[21] **3,162,011**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 9/10 (2006.01) A61P 25/02 (2006.01)**

[25] EN

[54] **USE OF GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR (GDNF) FOR THE TREATMENT OF ENTERIC NEUROPATHIES**

[54] **UTILISATION DU FACTEUR NEUROTROPHIQUE DERIVE DES CELLULES GLIALES (GDNF) POUR LE TRAITEMENT DE NEUROPATHIES ENTERIQUES**

[72] SORET, RODOLPHE, CA

[72] PILON, NICOLAS, CA

[71] TRANSFERT PLUS, SOCIETE EN COMMANDITE, CA

[85] 2022-06-15

[86] 2020-12-18 (PCT/CA2020/051746)

[87] (WO2021/119827)

[30] US (62/950,781) 2019-12-19

[21] **3,162,013**
[13] A1

[51] **Int.Cl. B64C 3/40 (2006.01) B64C 3/56 (2006.01) B64C 39/10 (2006.01)**

[25] FR

[54] **ELECTRIC-PROPULSION AIRCRAFT COMPRISING A CENTRAL WING AND TWO ROTATABLE LATERAL WINGS**

[54] **AERONEF A PROPULSION ELECTRIQUE COMPORTANT UNE AILE CENTRALE ET DEUX AILES LATERALES MOBILES EN ROTATION**

[72] HERZBERGER, ERICK, FR

[72] SENELLART, BENOIT, FR

[71] EENUUE, FR

[85] 2022-06-15

[86] 2020-12-03 (PCT/FR2020/052277)

[87] (WO2021/123540)

[30] FR (1914887) 2019-12-19

[21] **3,162,014**
[13] A1

[51] **Int.Cl. A61B 3/10 (2006.01) G01B 9/02 (2022.01)**

[25] EN

[54] **A FULL-FIELD OPTICAL COHERENCE TOMOGRAPHY IMAGING METHOD**

[54] **PROCEDE D'IMAGERIE DE TOMOGRAPHIE PAR COHERENCE OPTIQUE PLEIN CHAMP**

[72] MAZLIN, VIACHESLAV, FR

[72] BARACAL DE MECE, PEDRO FRANCISCO, FR

[72] BOCCARA, ALBERT CLAUDE, FR

[71] PARIS SCIENCES ET LETTRES, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[71] ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES DE LA VILLE DE PARIS (EPC), FR

[85] 2022-06-15

[86] 2020-12-18 (PCT/EP2020/087156)

[87] (WO2021/123257)

[30] EP (19306683.4) 2019-12-18

[21] **3,162,018**
[13] A1

[51] **Int.Cl. A61K 31/4178 (2006.01) A61P 17/00 (2006.01)**

[25] EN

[54] **USE OF LOSARTAN FOR THE TREATMENT OF FIBROTIC DISEASES, IN PARTICULAR EPIDERMOLYSIS BULLOSA**

[54] **UTILISATION DE LOSARTAN POUR LE TRAITEMENT DE MALADIES FIBREUSES, EN PARTICULIER DE L'EPIDERMOLYSE BULLEUSE**

[72] KIRITSI, DIMITRA, DE

[72] STILLER, BRIGITTE, DE

[72] NYSTROEM, KLAS ALEXANDER, CH

[72] BRUCKNER-TUDERMAN, LEENA KAARINA, DE

[71] CROWD PHARMA LOSARTAN GMBH & CO. KG, DE

[85] 2022-06-15

[86] 2020-12-14 (PCT/EP2020/085907)

[87] (WO2021/130038)

[30] EP (19219232.6) 2019-12-23

[21] **3,162,019**
[13] A1

[51] **Int.Cl. C07D 211/24 (2006.01) A61K 9/51 (2006.01) A61K 31/445 (2006.01) A61K 39/00 (2006.01) A61K 47/22 (2006.01) C07D 211/22 (2006.01) C07D 211/26 (2006.01) C07D 405/12 (2006.01) C07F 9/59 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **LIPID NANOPARTICLES FOR DELIVERY OF NUCLEIC ACIDS**

[54] **NANOPARTICULES LIPIDIQUES POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES**

[72] NAVARRO, GEMMA, DE

[72] BAUMHOF, PATRICK, DE

[71] CUREVAC AG, DE

[85] 2022-06-15

[86] 2020-12-18 (PCT/EP2020/087254)

[87] (WO2021/123332)

[30] EP (PCT/EP2019/086825) 2019-12-20

[21] **3,162,020**
[13] A1

[51] **Int.Cl. A61K 35/76 (2015.01) C12N 15/79 (2006.01) C12N 15/864 (2006.01) C12P 19/34 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR TREATING FRIEDREICH'S ATAXIA**

[54] **COMPOSITIONS POUR LE TRAITEMENT DE L'ATAXIE DE FRIEDREICH**

[72] WILSON, JAMES M., US

[72] HINDERER, CHRISTIAN, US

[72] MILLER, NIMROD, US

[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US

[85] 2022-06-15

[86] 2020-12-18 (PCT/US2020/066167)

[87] (WO2021/127533)

[30] US (62/950,834) 2019-12-19

Demandes PCT entrant en phase nationale

[21] **3,162,021**
[13] A1

[51] **Int.Cl. A61K 31/4425 (2006.01) A61K 31/47 (2006.01) A61K 45/06 (2006.01) A61P 15/08 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR PROMOTING FOLLICLE MATURATION**

[54] **COMPOSES POUR FAVORISER LA MATURATION DES FOLLICULES**

[72] LYKKE-HARTMANN, KARIN, DK
[72] NEWTON, GARY, GB
[72] HANNAH, DUNCAN, GB
[72] DOWNHAM, ROBERT, GB
[71] AARHUS UNIVERSITET, DK
[85] 2022-06-15
[86] 2021-01-08 (PCT/EP2021/050262)
[87] (WO2021/140194)
[30] DK (PA 2020 70020) 2020-01-10
[30] DK (PA 2020 70016) 2020-01-10

[21] **3,162,022**
[13] A1

[51] **Int.Cl. H01F 6/02 (2006.01) H05H 1/12 (2006.01)**

[25] EN

[54] **HTS LINKED PARTIAL INSULATION FOR HTS FIELD COILS**

[54] **ISOLATION PARTIELLE LIEE SUPRACONDUCTRICE A HAUTE TEMPERATURE POUR BOBINES DE CHAMP SUPRACONDUCTRICE A HAUTE TEMPERATURE**

[72] BRITTLES, GREG, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2022-06-15
[86] 2020-12-15 (PCT/EP2020/086112)
[87] (WO2021/122522)
[30] GB (1919030.5) 2019-12-20

[21] **3,162,023**
[13] A1

[51] **Int.Cl. A01K 27/00 (2006.01) A01N 33/08 (2006.01) A01N 43/30 (2006.01)**

[25] EN

[54] **EXTENDED RELEASE PLASTIC FORMULATION**

[54] **FORMULATION DE PLASTIQUE A LIBERATION PROLONGEE**

[72] VARDI, AMNON, IL
[71] WANKA TANKA LTD., IL
[85] 2022-06-15
[86] 2020-12-31 (PCT/IL2020/051370)
[87] (WO2021/137240)
[30] US (62/955,461) 2019-12-31

[21] **3,162,025**
[13] A1

[51] **Int.Cl. A23J 1/14 (2006.01) A23L 13/40 (2016.01) A23J 3/22 (2006.01)**

[25] EN

[54] **SUNFLOWER SEED PROTEIN CONCENTRATE FOR FOOD APPLICATIONS AND METHOD OF MANUFACTURING THE SAME**

[54] **CONCENTRE DE PROTEINE DE GRAINE DE TOURNESOL POUR DES APPLICATIONS ALIMENTAIRES ET SON PROCEDE DE FABRICATION**

[72] NDIAYE, MBALO, FR
[72] BIANEIS, MARINE, FR
[71] AVRIL, FR
[85] 2022-06-15
[86] 2020-12-22 (PCT/EP2020/087707)
[87] (WO2021/130273)
[30] EP (19306764.2) 2019-12-23

[21] **3,162,026**
[13] A1

[51] **Int.Cl. F27B 9/36 (2006.01) F27B 21/00 (2006.01) F27D 11/06 (2006.01) F27D 11/12 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR SINTERING**

[54] **APPAREIL ET PROCEDES DE FRITTAGE**

[72] HEIKKILA, KURT E., US
[71] TUNDRA COMPOSITES, LLC, US
[85] 2022-06-15
[86] 2020-12-07 (PCT/US2020/063576)
[87] (WO2021/141704)
[30] US (62/959,168) 2020-01-09

[21] **3,162,027**
[13] A1

[51] **Int.Cl. C22C 21/02 (2006.01) C22C 21/08 (2006.01) C22F 1/043 (2006.01) C22F 1/05 (2006.01)**

[25] EN

[54] **IMPROVED METHOD FOR MANUFACTURING A STRUCTURE COMPONENT FOR A MOTOR VEHICLE BODY**

[54] **PROCEDE AMELIORE DE FABRICATION D'UN ELEMENT STRUCTURAL POUR CARROSSERIE DE VEHICULE AUTOMOBILE**

[72] MULLER, ESTELLE, FR
[72] WUSYK, BRUNO, FR
[72] BARBIER, DAVID, FR
[71] CONSTELLIUM NEUF-BRISACH, FR
[85] 2022-06-15
[86] 2020-12-15 (PCT/EP2020/086256)
[87] (WO2021/122621)
[30] EP (19306659.4) 2019-12-17

[21] **3,162,028**
[13] A1

[51] **Int.Cl. G01S 5/02 (2010.01) H04N 21/422 (2011.01) G06Q 30/02 (2012.01) G06F 3/0346 (2013.01) G06F 3/0488 (2022.01) G11C 7/10 (2006.01)**

[25] EN

[54] **SYSTEMS AND PROCESSES FOR TRANSMITTING INTERACTIVE CONTENT**

[54] **SYSTEMES ET PROCEDES POUR TRANSMETTRE DU CONTENU INTERACTIF**

[72] BURNEY, KWAJALYN CHAMAR, US
[71] CARDLYTICS, INC., US
[85] 2022-06-15
[86] 2019-12-31 (PCT/US2019/069104)
[87] (WO2021/137861)

PCT Applications Entering the National Phase

[21] **3,162,030**
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) C12N 5/0789 (2010.01)**
[25] EN
[54] **SMALL MOLECULE COMPOUNDS FOR AMPLIFYING HEMATOPOIETIC STEM CELLS, AND COMBINATION THEREOF**
[54] **COMPOSES A PETITES MOLECULES POUR AMPLIFIER DES CELLULES SOUCHES HEMATOPOIETIQUES, ET LEUR COMBINAISON**
[72] FANG, RIGUO, CN
[72] YANG, HUIHUI, CN
[72] SHI, ZHONGYU, CN
[72] YUAN, PENGFEI, CN
[72] YU, LINGLING, CN
[71] EDIGENE (GUANGZHOU) INC., CN
[85] 2022-06-15
[86] 2020-12-16 (PCT/CN2020/136790)
[87] (WO2021/121266)
[30] CN (PCT/CN2019/125687) 2019-12-16

[21] **3,162,031**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **CANINE INTERLEUKIN-4 RECEPTOR ALPHA ANTIBODIES**
[54] **ANTICORPS DU RECEPTEUR ALPHA DE L'INTERLEUKINE 4 CANINE**
[72] MORSEY, MOHAMAD, US
[72] ZHANG, YUANZHENG, US
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2022-06-15
[86] 2020-12-18 (PCT/EP2020/086921)
[87] (WO2021/123091)
[30] US (62/951793) 2019-12-20
[30] US (63/015220) 2020-04-24
[30] US (62/951778) 2019-12-20
[30] US (63/015209) 2020-04-24

[21] **3,162,032**
[13] A1

[51] **Int.Cl. D21H 27/00 (2006.01) A47K 10/16 (2006.01) B31F 1/07 (2006.01) D21F 11/00 (2006.01) D21G 1/00 (2006.01) D21H 27/02 (2006.01)**
[25] EN
[54] **ABSORBENT TISSUE PAPER PRODUCT, METHOD AND APPARATUS FOR PRODUCING THE SAME**
[54] **PRODUIT DE MOUCHOIR EN PAPIER ABSORBANT ET APPAREIL POUR LE PRODUIRE**
[72] CATTACIN, GILLES, FR
[72] BERTIN, MARIE, FR
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2022-06-15
[86] 2019-12-19 (PCT/EP2019/086400)
[87] (WO2021/121606)

[21] **3,162,033**
[13] A1

[51] **Int.Cl. E02F 9/20 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **EARTHMOVING FLOW VECTOR GENERATION USING NODE AND CONNECTION INPUT GRAPH**
[54] **GENERATION DE VECTEUR DE FLUX DE TERRASSEMENT A L'AIDE D'UN N?UD ET D'UN GRAPHE D'ENTREE DE CONNEXION**
[72] JONES, NATHAN, US
[72] CORBETT-DAVIES, JOSEPH, US
[71] CATERPILLAR TRIMBLE CONTROL TECHNOLOGIES LLC, US
[85] 2022-06-15
[86] 2020-12-15 (PCT/US2020/065107)
[87] (WO2021/126844)
[30] US (16/717,121) 2019-12-17

[21] **3,162,034**
[13] A1

[51] **Int.Cl. C07D 307/935 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A CHIRAL PROSTAGLANDIN ENOL INTERMEDIATE AND INTERMEDIATE COMPOUNDS USEFUL IN THE PROCESS**
[54] **PROCEDE DE PREPARATION D'UN INTERMEDIAIRE ENOL DE PROSTAGLANDINE CHIRAL ET COMPOSES INTERMEDIAIRES UTILES DANS LE PROCEDE**
[72] HORTOBAGYI, IREN, HU
[72] KARDOS, ZSUZSANNA, HU
[72] KERTESZ, MARIUSZ, HU
[72] LASZLOFI, ISTVAN, HU
[72] MELEG, ILDIKO, HU
[72] POTI, JUDIT, HU
[72] SANTANE CSUTOR, ANDREA, HU
[72] TAKACS, LASZLO, HU
[71] EUROAPI HUNGARY LIMITED LIABILITY COMPANY, HU
[85] 2022-06-15
[86] 2020-12-16 (PCT/HU2020/050058)
[87] (WO2021/123848)
[30] HU (P1900434) 2019-12-18

[21] **3,162,035**
[13] A1

[51] **Int.Cl. H01L 31/048 (2014.01) H02S 30/20 (2014.01)**
[25] FR
[54] **PHOTOVOLTAIC MODULE AND FLEXIBLE SATELLITE SOLAR GENERATOR**
[54] **MODULE PHOTOVOLTAIQUE ET GENERATEUR SOLAIRE FLEXIBLE DE SATELLITE**
[72] MHIK, OUMAIMA, FR
[72] VERGNET, DOMINIQUE, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2022-06-15
[86] 2020-12-10 (PCT/FR2020/052373)
[87] (WO2021/123575)
[30] FR (FR1914823) 2019-12-19

Demandes PCT entrant en phase nationale

[21] **3,162,036**
[13] A1

[51] **Int.Cl. A24D 1/20 (2020.01) A24D 3/17 (2020.01) A24F 40/30 (2020.01) A24D 3/02 (2006.01) A24D 3/04 (2006.01) A24D 3/06 (2006.01)**

[25] EN

[54] **A COMPONENT FOR AN ARTICLE FOR USE IN AN AEROSOL DELIVERY SYSTEM**

[54] **COMPOSANT POUR UN ARTICLE DESTINE A ETRE UTILISE DANS UN SYSTEME DE DISTRIBUTION D'AEROSOL**

[72] GRISHCHENKO, ANDREI, GB

[72] SPENDLOVE, DAVID, GB

[71] NICOVENTURES TRADING LIMITED, GB

[85] 2022-06-15

[86] 2020-12-21 (PCT/GB2020/053319)

[87] (WO2021/123833)

[30] GB (1918983.6) 2019-12-20

[21] **3,162,037**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01)**

[25] EN

[54] **SELF-REGULATING FRAC PUMP SUCTION STABILIZER/DAMPENER**

[54] **STABILISATEUR/AMORTISSEUR D'ASPIRATION DE POMPE DE FRACTURATION A AUTOREGULATION**

[72] OEHRING, JARED, US

[72] CHRISTINZIO, ALEXANDER, US

[72] ROBINSON, LON, US

[71] U.S. WELL SERVICES, LLC, US

[85] 2022-06-15

[86] 2020-12-30 (PCT/US2020/067523)

[87] (WO2021/138457)

[30] US (62/955,763) 2019-12-31

[30] US (17/136,913) 2020-12-29

[21] **3,162,040**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 36/48 (2006.01) A61K 39/35 (2006.01) A61P 37/08 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS**

[54] **COMPOSITIONS PHARMACEUTIQUES**

[72] POLLOCK, BRONWYN, AU

[72] HANEGRAAF, SHARON, AU

[72] BODAWALA, DIGANT, US

[72] SHETTY, SATISH, US

[71] PROTA THERAPEUTICS PTY LTD, AU

[85] 2022-06-15

[86] 2020-04-24 (PCT/AU2020/050400)

[87] (WO2021/127722)

[30] EP (19219500.6) 2019-12-23

[21] **3,162,041**
[13] A1

[51] **Int.Cl. B01F 25/60 (2022.01) C09K 8/03 (2006.01) C09K 8/62 (2006.01) E21B 43/26 (2006.01) F04B 1/04 (2020.01) F04B 13/02 (2006.01) G05B 19/401 (2006.01)**

[25] EN

[54] **AUTOMATED BLENDER BUCKET TESTING AND CALIBRATION**

[54] **ESSAI ET ETALONNAGE AUTOMATIQUES AU SEAU POUR MELANGEUR**

[72] OEHRING, JARED, US

[72] CHRISTINZIO, ALEXANDER, US

[71] U.S. WELL SERVICES, LLC, US

[85] 2022-06-15

[86] 2020-12-30 (PCT/US2020/067526)

[87] (WO2021/138460)

[30] US (62/955,768) 2019-12-31

[30] US (17/136,937) 2020-12-29

[21] **3,162,043**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS ET LEURS UTILISATIONS**

[72] AMABILE, GIOVANNI, IT

[71] ENTHERA S.R.L., IT

[85] 2022-06-15

[86] 2021-02-19 (PCT/EP2021/054215)

[87] (WO2021/165499)

[30] EP (20158553.6) 2020-02-20

[21] **3,162,044**
[13] A1

[51] **Int.Cl. A61F 13/42 (2006.01)**

[25] EN

[54] **WEARABLE DEVICE**

[54] **DISPOSITIF PORTABLE**

[72] MEHTA, VIKRAM S., US

[72] GADDINI, SEBASTIEN, US

[72] GADDINI, MATHIEU, US

[71] SMARDIL, INC., US

[85] 2022-06-15

[86] 2020-12-30 (PCT/US2020/067525)

[87] (WO2021/138459)

[30] US (62/957,043) 2020-01-03

[21] **3,162,045**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 21/06 (2006.01) E21B 43/17 (2006.01)**

[25] EN

[54] **BLENDER TUB OVERFLOW CATCH**

[54] **COLLECTEUR DE TROP-PLEIN DE CUVE DE MELANGE**

[72] CHRISTINZIO, ALEXANDER, US

[72] OEHRING, JARED, US

[71] U.S. WELL SERVICES, LLC, US

[85] 2022-06-15

[86] 2020-12-22 (PCT/US2020/066543)

[87] (WO2021/138138)

[30] US (62/955,316) 2019-12-30

[30] US (17/122,425) 2020-12-15

[21] **3,162,046**
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01)**

[25] EN

[54] **DATA MANAGEMENT SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE GESTION DE DONNEES**

[72] SUTHERLAND, DAN, GB

[72] GBECKOR-KOVE, SENA, GB

[71] SELF COMPLIANCE LTD., GB

[85] 2022-06-15

[86] 2020-12-17 (PCT/GB2020/053255)

[87] (WO2021/123783)

[30] GB (1918603.0) 2019-12-17

PCT Applications Entering the National Phase

[21] **3,162,047**
[13] A1

[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/437 (2006.01) A61K 31/5377 (2006.01) A61P 19/06 (2006.01) C07D 417/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **ECTONUCLEOTIDE PYROPHOSPHATASE/PHOSPHODIESTERASE 1 (ENPP1) MODULATORS AND USES THEREOF**

[54] **MODULATEURS D'ECTONUCLEOTIDES PYROPHOSPHATASES/PHOSPHODIESTERASES 1 (ENPP1) ET LEURS UTILISATIONS**

[72] PINKERTON, ANTHONY, US
[72] SERGIENKO, EDUARD, US
[72] KIYOTSUKA, YOHEI, JP
[72] KAGECHIKA, KATSUJI, JP
[72] KUROSAKI, YASUNOBU, JP
[72] ARAI, YOSHIKAZU, JP
[72] NAGAMOCHI, MASATOSHI, JP
[72] ISHIBASHI, KOUTARO, JP
[71] SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE, US

[85] 2022-06-15
[86] 2020-12-23 (PCT/US2020/066857)
[87] (WO2021/133915)
[30] US (62/953,066) 2019-12-23

[21] **3,162,049**
[13] A1

[51] **Int.Cl. G21C 15/02 (2006.01)**

[25] EN

[54] **INTEGRAL NUCLEAR REACTOR (EMBODIMENTS)**

[54] **REACTEUR NUCLEAIRE DE TYPE INTEGRAL (VARIANTES)**

[72] TOSHINSKIY, GEORGIY ILIICH, RU
[72] KOMLEV, OLEG GENNAD'EVICH, RU
[72] DEDUL', ALEKSANDR VLADISLAVOVICH, RU
[72] GRIGOR'EV, SERGEY ALEKSANDROVICH, RU
[72] OSHEJKO, YURIY VIKTOROVICH, RU
[72] TORMYSHEV, IVAN VLADIMIROVICH, RU
[71] JOINT STOCK COMPANY "AKME-ENGINEERING", RU

[85] 2022-06-15
[86] 2020-12-18 (PCT/RU2020/000729)
[87] (WO2021/137728)
[30] RU (2019145363) 2019-12-31

[21] **3,162,053**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/122 (2006.01)**

[25] EN

[54] **SURGICAL CLIP**

[54] **AGRAFE CHIRURGICALE**

[72] SHELLENBERGER, CARSON, US
[72] ENNISS, IAN, US
[71] TELEFLEX MEDICAL INCORPORATED, US

[85] 2022-06-15
[86] 2020-12-18 (PCT/US2020/066178)
[87] (WO2021/127540)
[30] US (62/950,819) 2019-12-19

[21] **3,162,055**
[13] A1

[51] **Int.Cl. G01N 29/22 (2006.01)**

[25] EN

[54] **ULTRASOUND COUPLING SHOE**

[54] **SABOT DE COUPLAGE A ULTRASONS**

[72] SKOGLUND, ESKIL, NO
[72] SKAR, TORE MAGNE, NO
[72] LINGVALL, FREDRIK, NO
[71] DOLPHITECH AS, NO

[85] 2022-06-15
[86] 2021-01-15 (PCT/EP2021/050863)
[87] (WO2021/144455)
[30] GB (2000723.3) 2020-01-17

[21] **3,162,057**
[13] A1

[51] **Int.Cl. C10M 107/28 (2006.01)**

[25] EN

[54] **POLYMERIC SURFACTANT COMPOUND**

[54] **COMPOSE TENSIOACTIF POLYMERE**

[72] BURRINGTON, JAMES D., US
[72] PUCKACE, JAMES S., US
[72] SAMMUT, ALEXANDER, US
[72] GARWOOD, GREG, US
[71] THE LUBRIZOL CORPORATION, US

[85] 2022-06-15
[86] 2020-12-17 (PCT/US2020/065616)
[87] (WO2021/127183)
[30] US (62/949,676) 2019-12-18

[21] **3,162,058**
[13] A1

[51] **Int.Cl. G06T 7/11 (2017.01)**

[25] EN

[54] **IMAGE PROCESSING METHOD, APPARATUS, ELECTRONIC DEVICE AND COMPUTER READABLE STORAGE MEDIUM**

[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'IMAGES, DISPOSITIF ELECTRONIQUE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**

[72] ZHUGE, JINGJING, CN
[72] NI, GUANGYAO, CN
[72] YANG, HUI, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN

[85] 2022-06-15
[86] 2020-12-16 (PCT/CN2020/136993)
[87] (WO2021/121291)
[30] CN (201911306421.6) 2019-12-18

[21] **3,162,061**
[13] A1

[51] **Int.Cl. B01J 8/02 (2006.01) B01J 19/30 (2006.01) C10G 49/00 (2006.01)**

[25] EN

[54] **RESATURATION OF GAS INTO A LIQUID FEEDSTREAM**

[54] **RESATURATION DE GAZ DANS UN COURANT D'ALIMENTATION EN LIQUIDE**

[72] GLOVER, JOHN N., US
[72] GLOVER, BRADLEY, US
[72] SCHNEIDER, AUSTIN, US
[72] HAM, PETER GREGORY, US
[71] CRYSTAPHASE PRODUCTS, INC., US

[85] 2022-06-15
[86] 2020-12-21 (PCT/US2020/066445)
[87] (WO2021/127644)
[30] US (62/951,681) 2019-12-20

Demandes PCT entrant en phase nationale

[21] **3,162,062**
[13] A1

[51] **Int.Cl. H04W 52/24 (2009.01) H04B 7/04 (2017.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR TRACKING REFERENCE SIGNAL PATH LOSSES IN UPLINK TRANSMISSIONS**
[54] **PROCEDES ET SYSTEMES DE SUIVI DE PERTES DE TRAJET DE SIGNAL DE REFERENCE DANS DES TRANSMISSIONS EN LIAISON MONTANTE**
[72] GAO, BO, CN
[72] LU, ZHAOHUA, CN
[72] YAO, KE, CN
[72] ZHANG, SHUJUAN, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-15
[86] 2020-04-10 (PCT/CN2020/084156)
[87] (WO2021/109400)

[21] **3,162,063**
[13] A1

[51] **Int.Cl. C10L 1/10 (2006.01) C10L 1/222 (2006.01) C10L 1/224 (2006.01) C10L 10/14 (2006.01) C10L 1/16 (2006.01) C10L 1/183 (2006.01) C10L 1/196 (2006.01) C10L 1/197 (2006.01) C10L 1/198 (2006.01) C10L 1/238 (2006.01) C10L 1/2383 (2006.01) C10L 1/2387 (2006.01) C10L 10/16 (2006.01)**
[25] EN
[54] **WAX ANTI-SETTLING ADDITIVE COMPOSITION FOR USE IN DIESEL FUELS**
[54] **COMPOSITION D'ADDITIF DE SUSPENSION DE CIRE POUR UTILISATION DANS DES CARBURANTS DIESEL**
[72] CAPITOSTI, SCOTT, US
[72] CORRIGAN, THOMAS S., US
[72] AASERUD, DAVID J., US
[72] KOCSIS, JODY A., US
[72] MATHES, GREGORY, US
[72] FRANK, ANTHONY R., US
[72] SCHIFERL, ELIZABETH, US
[72] RAY, JAMES C., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2022-06-15
[86] 2020-10-01 (PCT/US2020/053804)
[87] (WO2021/126342)
[30] US (62/950,176) 2019-12-19

[21] **3,162,064**
[13] A1

[51] **Int.Cl. A61L 27/20 (2006.01) A61K 8/73 (2006.01) A61L 27/26 (2006.01) A61L 27/50 (2006.01) A61L 27/52 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **INJECTABLE MIXTURES OF HYALURONIC ACID FOR USE IN DERMO-AESTHETICS**
[54] **MELANGES INJECTABLES D'ACIDE HYALURONIQUE DESTINES A ETRE UTILISES EN DERMO-ESTHETIQUE**
[72] GIORI, ANDREA MARIA, CH
[71] ALTERGON S.A., CH
[85] 2022-06-15
[86] 2020-12-17 (PCT/EP2020/086691)
[87] (WO2021/122934)
[30] IT (102019000024208) 2019-12-17

[21] **3,162,065**
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01) C10G 3/00 (2006.01) C10G 47/26 (2006.01) C10L 1/02 (2006.01)**
[25] EN
[54] **SLURRY HYDROCRACKING OF PYROLYSIS OIL AND HYDROCARBON FEEDSTOCK, SUCH AS PETROLEUM DERIVED FEEDSTOCK**
[54] **HYDROCRAQUAGE EN SUSPENSION D'HUILE DE PYROLYSE ET CHARGE D'ALIMENTATION HYDROCARBONNEE, TELLE QU'UNE CHARGE D'ALIMENTATION DERIVEE DU PETROLE**
[72] BERGVALL, NIKLAS SOREN, SE
[72] WEILAND, CARL FREDRIK, SE
[72] OHRMAN, OLOV GUSTAV WILHELM, SE
[71] PREEM AKTIEBOLAG, SE
[85] 2022-06-15
[86] 2021-02-05 (PCT/EP2021/052800)
[87] (WO2021/156436)
[30] EP (20155670.1) 2020-02-05

[21] **3,162,066**
[13] A1

[51] **Int.Cl. A61H 33/00 (2006.01)**
[25] EN
[54] **PLUMBING FIXTURES FOR A SPA**
[54] **INSTALLATIONS DE PLOMBERIES DESTINEES A UNE CUVE THERMALE**
[72] SPICER, WADE, US
[72] WOODS, CHARLES, US
[72] DENNING, WILLIAM, US
[72] LONG, NATHAN, US
[71] STRONG INDUSTRIES, INC, US
[85] 2022-06-15
[86] 2020-12-18 (PCT/US2020/066022)
[87] (WO2021/127444)
[30] US (62/951,223) 2019-12-20

[21] **3,162,068**
[13] A1

[51] **Int.Cl. B62D 5/00 (2006.01)**
[25] EN
[54] **COMPLIANT SHAFT-ROTOR COUPLING FOR IMPROVED END STOP EXIT**
[54] **COUPLAGE D'ARBRE-ROTOR CONFORME POUR UNE SORTIE D'ARRET D'EXTREMITE AMELIOREE**
[72] JARZOMSKI, MICHAEL, US
[71] LORD CORPORATION, US
[85] 2022-06-15
[86] 2020-12-22 (PCT/US2020/066612)
[87] (WO2021/133803)
[30] US (62/953,655) 2019-12-26

PCT Applications Entering the National Phase

[21] 3,162,069 [13] A1	[21] 3,162,070 [13] A1	[21] 3,162,072 [13] A1
[51] Int.Cl. C07D 285/10 (2006.01) A61K 31/5377 (2006.01) C07D 417/04 (2006.01) C07D 417/10 (2006.01) C07D 417/12 (2006.01)	[51] Int.Cl. H04L 9/32 (2006.01)	[51] Int.Cl. A61L 27/20 (2006.01) A61K 31/728 (2006.01) A61L 27/26 (2006.01) A61L 27/52 (2006.01) A61L 27/54 (2006.01) A61P 19/02 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE THEREOF	[54] SYSTEMS AND METHODS FOR GATEWAY COMMUNICATIONS FOR DISTRIBUTED LEDGER SYSTEMS	[54] SYNOVIAL FLUID SUBSTITUTES
[54] INHIBITEURS DE PROTEINE TYROSINE PHOSPHATASE ET LEURS METHODES D'UTILISATION	[54] SYSTEMES ET PROCEDES DE COMMUNICATIONS DE PASSERELLE POUR DES SYSTEMES DE REGISTRE DISTRIBUE	[54] SUBSTITUTS DE LIQUIDE SYNOVIAL
[72] FARNEY, ELLIOT P., US	[72] LOBBAN, TYRONE, US	[72] CICOGNANI, MARTA, CH
[72] SHIROODI, ROOHOLLAH KAZEM, US	[72] MOY, CHRISTINE, US	[72] GIORI, ANDREA MARIA, CH
[72] XIONG, ZHAOMING, US	[72] MOVVA, TULASI, US	[72] VECCHI, GABRIELE, CH
[72] ZHANG, QINGWEI, US	[72] SHETTY, SURESH, US	[71] ALTERGON S.A., CH
[72] O'CONNOR, MATTHEW, US	[72] SAMANTARAY, DEBIDUTTA PRUTHIBIRAJ, US	[85] 2022-06-15
[72] HALVORSEN, GEOFF T., US	[72] RAJPURIA, RAUNAK, US	[86] 2020-12-17 (PCT/EP2020/086644)
[72] ZHAO, HONGYU, US	[72] ZHOU, YOU, US	[87] (WO2021/122895)
[72] BAUMGARTNER, CHRISTINA, US	[71] JPMORGAN CHASE BANK, N.A., US	[30] IT (102019000024214) 2019-12-17
[72] FROST, JENNIFER M., US	[85] 2022-06-15	
[72] KYM, PHILIP R., US	[86] 2020-12-16 (PCT/US2020/065391)	[21] 3,162,073 [13] A1
[72] ABBOTT, JASON R., US	[87] (WO2021/127031)	[51] Int.Cl. H01Q 1/28 (2006.01) H04B 7/185 (2006.01)
[72] BOGDAN, ANDREW, US	[30] US (62/948,702) 2019-12-16	[25] EN
[72] ECONOMOU, CHRISTOS, US		[54] VARIABLE STAYOUT DISTANCE FOR BEAMHOPPING SATELLITE
[72] WANG, XUEQING, US		[54] DISTANCIATION VARIABLE POUR SATELLITE A SAUT DE FAISCEAU
[71] CALICO LIFE SCIENCES LLC, US	[21] 3,162,071 [13] A1	[72] KAY, STANLEY E., US
[71] ABBVIE INC., US	[51] Int.Cl. A22C 17/00 (2006.01) A22B 5/00 (2006.01)	[72] BHASKAR, UDAYA, US
[85] 2022-06-15	[25] EN	[72] BECKER, NEAL DAVID, US
[86] 2020-12-18 (PCT/US2020/066104)	[54] MEAT PROCESSING METHOD AND APPARATUS	[71] HUGHES NETWORK SYSTEMS, LLC, US
[87] (WO2021/127499)	[54] PROCEDE ET APPAREIL DE TRAITEMENT DE VIANDE	[85] 2022-06-15
[30] US (62/949,613) 2019-12-18	[72] MCDONNELL, DECLAN ARTHUR, IE	[86] 2020-12-29 (PCT/US2020/067293)
	[72] DUDECK, SVEN GERHARD, DE	[87] (WO2021/138311)
	[72] ARNOLD, EIK, DE	[30] US (16/729,870) 2019-12-30
	[72] GOLDAMMER, MATTHIAS, DE	
	[71] DEVRONE UNLIMITED COMPANY, IS	[21] 3,162,074 [13] A1
	[85] 2022-06-15	[51] Int.Cl. A61K 39/00 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) A61K 35/15 (2015.01)
	[86] 2020-12-09 (PCT/EP2020/085389)	[25] EN
	[87] (WO2021/122247)	[54] METHODS OF TREATING TUMORS
	[30] EP (19218654.2) 2019-12-20	[54] METHODES DE TRAITEMENT DE TUMEURS
		[72] HORVATINOVICH, JOSEPH, US
		[72] DEBENEDETTE, MARK, US
		[72] NICOLETTE, CHARLES, US
		[72] TCHEREPANOVA, IRINA, US
		[71] COIMMUNE, INC., US
		[85] 2022-06-15
		[86] 2021-01-08 (PCT/US2021/012753)
		[87] (WO2021/142305)
		[30] US (62/959,317) 2020-01-10

Demandes PCT entrant en phase nationale

[21] **3,162,075**
[13] A1

[51] **Int.Cl. B01D 67/00 (2006.01) C01B 32/186 (2017.01) A41D 31/102 (2019.01) B01D 71/02 (2006.01) B32B 9/00 (2006.01) C23C 16/02 (2006.01) C30B 25/18 (2006.01)**

[25] EN

[54] **METHOD FOR MAKING POROUS GRAPHENE MEMBRANES AND MEMBRANES PRODUCED USING THE METHOD**

[54] **PROCEDE DE FABRICATION DE MEMBRANES POREUSES EN GRAPHENE ET MEMBRANES FABRIQUEES SELON CE PROCEDE**

[72] CHOI, KYOUNGJUN, CH
[72] PARK, HYUNG GYU, KR
[72] HEIGHT, MURRAY, AU
[71] HEIQ MATERIALS AG, CH
[85] 2022-06-15
[86] 2020-12-01 (PCT/EP2020/084050)
[87] (WO2021/121952)
[30] EP (19218038.8) 2019-12-19

[21] **3,162,076**
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 50/36 (2016.01)**

[25] EN

[54] **DISPOSAL SYSTEM**

[54] **SYSTEME D'ELIMINATION**

[72] CADIO, MICHEL ALAIN JEAN MARIE, US
[72] HARVEY, ERNEST GRAEME, US
[72] ADAMS, JUSTIN DAVID, US
[72] THAMBIAH, VIJAY, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-06-15
[86] 2020-12-18 (PCT/US2020/065800)
[87] (WO2021/133645)
[30] US (62/953,258) 2019-12-24

[21] **3,162,078**
[13] A1

[51] **Int.Cl. A47L 9/02 (2006.01)**

[25] EN

[54] **NOZZLE FOR A SURFACE TREATMENT APPARATUS AND A SURFACE TREATMENT APPARATUS HAVING THE SAME**

[54] **BUSE POUR UN APPAREIL DE TRAITEMENT DE SURFACE ET APPAREIL DE TRAITEMENT DE SURFACE LA COMPRENANT**

[72] DER MARDEROSIAN, DANIEL R., US
[72] HERRMANN, NATHAN, US
[72] LACOMA, MAX P., US
[72] SCHAPPLER, DEVAN, US
[72] UDY, ADAM, GB
[72] WILLIAMS, DONALD, US
[72] HUNT, HANZON R., US
[71] SHARKNINJA OPERATING LLC, US
[85] 2022-06-15
[86] 2020-12-17 (PCT/US2020/065591)
[87] (WO2021/127165)
[30] US (62/949,122) 2019-12-17

[21] **3,162,079**
[13] A1

[51] **Int.Cl. B65G 47/19 (2006.01) B01F 35/222 (2022.01) B65G 33/08 (2006.01) B65G 33/14 (2006.01) B65G 47/16 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **ELECTRIC MOTOR DRIVEN TRANSPORTATION MECHANISMS FOR FRACTURING BLENDERS**

[54] **MECANISMES DE TRANSPORT ENTRAINEES PAR UN MOTEUR ELECTRIQUE POUR MELANGEURS DE FRACTURATION**

[72] CHRISTINZIO, ALEXANDER, US
[72] HINDERLITER, BRANDON, US
[72] ROBINSON, LON, US
[72] OEHRING, JARED, US
[71] U.S. WELL SERVICES, LLC, US
[85] 2022-06-15
[86] 2020-12-29 (PCT/US2020/067256)
[87] (WO2021/138289)
[30] US (62/955,295) 2019-12-30
[30] US (17/135,543) 2020-12-28

[21] **3,162,081**
[13] A1

[51] **Int.Cl. B23K 33/00 (2006.01) B23P 15/00 (2006.01) D21F 5/02 (2006.01)**

[25] EN

[54] **WORKPIECE OF YANKEE CYLINDER SECTION AND PROCESS FOR MANUFACTURING A YANKEE CYLINDER**

[54] **SECTION DE FRICTIONNEUR PREFABRIQUEE ET PROCEDE DE FABRICATION DE FRICTIONNEUR**

[72] LI, WEIJUN, CN
[72] QIN, RONGJUN, CN
[72] STEINWENDER, FLORIAN, CN
[71] ANDRITZ CHINA LTD, CN
[85] 2022-06-15
[86] 2020-11-05 (PCT/CN2020/126621)
[87] (WO2021/120912)
[30] CN (201911307258.5) 2019-12-18

[21] **3,162,082**
[13] A1

[51] **Int.Cl. A63B 21/072 (2006.01) A63B 21/075 (2006.01)**

[25] EN

[54] **ADJUSTABLE WEIGHT LIFTING DEVICE**

[54] **DISPOSITIF DE LEVAGE DE POIDS REGLABLE**

[72] SVENBERG, TOMAS, SE
[71] PERSONALITY GYM AB, SE
[85] 2022-06-15
[86] 2020-05-28 (PCT/EP2020/064878)
[87] (WO2021/239235)

[21] **3,162,083**
[13] A1

[51] **Int.Cl. F16D 27/112 (2006.01) F01P 7/08 (2006.01) F16D 27/14 (2006.01)**

[25] EN

[54] **CLUTCH ASSEMBLY AND INTEGRATED ARB/GUARD**

[54] **ENSEMBLE EMBRAYAGE ET ARB/ELEMENT DE PROTECTION INTEGRES**

[72] CAYTON, ROBERT, US
[72] BUCK, SAMUEL, US
[72] ACKERMANN, JONATHAN, US
[71] HORTON, INC., US
[85] 2022-06-15
[86] 2021-01-19 (PCT/US2021/070051)
[87] (WO2021/151110)
[30] US (62/963,599) 2020-01-21

PCT Applications Entering the National Phase

[21] **3,162,085**
[13] A1

[51] **Int.Cl. A61G 7/057 (2006.01)**
[25] EN
[54] **SUPPORT SURFACE OVERLAY WITH VACUUM ENCLOSURE AND METHOD OF OPERATION**
[54] **REVETEMENT DE SURFACE DE SUPPORT AVEC ENVELOPPE SOUS VIDE ET PROCEDE DE FONCTIONNEMENT**
[72] DZIOBA, DAVID A., US
[71] DABIR SURFACES, INC., US
[85] 2022-06-15
[86] 2020-12-17 (PCT/US2020/065754)
[87] (WO2021/127280)
[30] US (62/949,961) 2019-12-18

[21] **3,162,087**
[13] A1

[51] **Int.Cl. H04W 84/12 (2009.01) H04W 24/02 (2009.01) H04W 12/06 (2021.01)**
[25] EN
[54] **WIRELESS EXTENDER WITH ONBOARDING SSID FOR SIMPLE AND EXTENSIBLE ONBOARDING**
[54] **EXTENSEUR SANS FIL A SSID INTEGRE POUR INTEGRATION SIMPLE ET EXTENSIBLE**
[72] STRATER, JAY WILLIAM, US
[72] NAKANISHI, GREGORY NOBUTAKA, US
[72] HAASE, KEN, US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-06-15
[86] 2020-10-01 (PCT/US2020/053747)
[87] (WO2021/137909)
[30] US (62/955,093) 2019-12-30

[21] **3,162,088**
[13] A1

[51] **Int.Cl. A24F 40/53 (2020.01) A61M 11/04 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING APPARATUS AND METHOD OF DETERMINING THE PRESENCE OF AN ARTICLE**
[54] **APPAREIL DE GENERATION D'AEROSOL ET PROCEDE DE DETERMINATION DE LA PRESENCE D'UN ARTICLE**
[72] PATRICK, MOLONEY, GB
[72] KORUS, ANTON, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-06-15
[86] 2020-12-18 (PCT/GB2020/053297)
[87] (WO2021/123815)
[30] GB (1918808.5) 2019-12-19

[21] **3,162,089**
[13] A1

[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6883 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **BITERMINAL DNA FRAGMENT TYPES IN CELL-FREE SAMPLES AND USES THEREOF**
[54] **TYPES DE FRAGMENTS D'ADN BITERMINAL DANS DES ECHANTILLONS ACELLULAIRES ET LEURS UTILISATIONS**
[72] LO, YUK-MING DENNIS, CN
[72] CHIU, ROSSA WAI KWUN, CN
[72] HAN, DIANA SIAO CHENG, CN
[72] NI, MENG, CN
[71] THE CHINESE UNIVERSITY OF HONG KONG, CN
[71] GRAIL, INC., US
[85] 2022-06-15
[86] 2021-01-07 (PCT/CN2021/070628)
[87] (WO2021/139716)
[30] US (62/958,676) 2020-01-08

[21] **3,162,091**
[13] A1

[51] **Int.Cl. B61L 27/00 (2022.01) H04W 84/18 (2009.01) B61L 1/16 (2006.01) B61L 5/12 (2006.01)**
[25] EN
[54] **METHOD FOR DATA TRANSMISSION INSIDE A RAIL-BOUND TRAFFIC SYSTEM, DATA TRANSMISSION SYSTEM, RAIL-BOUND TRAFFIC SYSTEM HAVING A DATA TRANSMISSION SYSTEM AND USE OF COMMUNICATION UNITS ON FIELD ELEMENT**
[54] **PROCEDE DE TRANSMISSION DE DONNEES A L'INTERIEUR D'UN SYSTEME DE TRANSPORT FERROVIAIRE, SYSTEME DE TRANSMISSION DE DONNEES, SYSTEME DE TRANSPORT FERROVIAIRE COMPRENANT UN SYSTEME DE TRANSMISSION DE DONNEES ET UTILISATION D'UNITES DE COMMUNICATION SUR DES ELEMENTS DE CHAM**
[72] MARINGER, DANIEL, DE
[71] THALES MANAGEMENT & SERVICES DEUTSCHLAND GMBH, DE
[85] 2022-06-15
[86] 2020-12-17 (PCT/EP2020/086637)
[87] (WO2021/130095)
[30] EP (19219240.9) 2019-12-23

[21] **3,162,097**
[13] A1

[51] **Int.Cl. B21D 26/021 (2011.01) B21D 26/059 (2011.01) B21D 47/01 (2006.01) B21D 47/02 (2006.01) E04C 3/32 (2006.01) E21D 15/02 (2006.01)**
[25] EN
[54] **A MULTICHAMBER STRUCTURAL ELEMENT AND A MULTICHAMBER STRUCTURAL ELEMENT MANUFACTURING METHOD**
[54] **ELEMENT STRUCTURAL A CHAMBRES MULTIPLES ET PROCEDE DE FABRICATION D'ELEMENT STRUCTURAL A CHAMBRES MULTIPLES**
[72] ZIETA, OSKAR, PL
[71] INSTYTUT FORMY SP. Z O.O., PL
[85] 2022-06-15
[86] 2020-12-15 (PCT/IB2020/061954)
[87] (WO2021/124093)
[30] PL (P.432278) 2019-12-18

Demandes PCT entrant en phase nationale

[21] **3,162,098**
[13] A1

[51] **Int.Cl. B66C 23/18 (2006.01) B66C 23/26 (2006.01) B66C 23/72 (2006.01)**
[25] EN
[54] **A CRANE COMPRISING A MOVABLE BOOM AND A MOVABLE COUNTERWEIGHT**
[54] **GRUE COMPRÉNANT UNE FLECHE MOBILE ET UN CONTREPOIDS MOBILE**
[72] STRANDBERG, MICHAEL, SE
[72] LUNDBERG, KENNETH (DECEASED), SE
[71] S&L ACCESS SYSTEMS AB, SE
[85] 2022-06-15
[86] 2020-11-19 (PCT/EP2020/082712)
[87] (WO2021/129988)
[30] EP (19219846.3) 2019-12-27

[21] **3,162,100**
[13] A1

[51] **Int.Cl. H04W 24/02 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **APPARATUS, SYSTEM, METHOD, AND COMPUTER-READABLE RECORDING MEDIA FOR ONBOARDING OF A WIRELESS EXTENDER IN A WIRELESS NETWORK**
[54] **APPAREIL, SYSTÈME, PROCÉDE ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR POUR L'INTEGRATION D'UN REPÉTEUR DE SIGNAL SANS FIL DANS UN RESEAU SANS FIL**
[72] STRATER, JAY WILLIAM, US
[72] HAASE, KEN, US
[72] NAKANISHI, GREGORY NOBUTAKA, US
[72] PIEL, CHRISTOPHE, FR
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-06-15
[86] 2020-12-23 (PCT/US2020/066809)
[87] (WO2021/138186)
[30] US (62/955,519) 2019-12-31

[21] **3,162,105**
[13] A1

[51] **Int.Cl. A61L 9/12 (2006.01)**
[25] EN
[54] **DEVICE FOR DIFFUSING VOLATILE SUBSTANCES**
[54] **DISPOSITIF DE DIFFUSION DE SUBSTANCES VOLATILES**
[72] TRIAS LAFUENTE, MARINA, ES
[72] GRAUS FERRER, ALBA, ES
[72] ALFONSO GALLEGO, FERNANDO, ES
[71] ZOBELE HOLDING SPA, IT
[85] 2022-06-15
[86] 2020-12-18 (PCT/EP2020/086971)
[87] (WO2021/123125)
[30] ES (P201931122) 2019-12-18

[21] **3,162,106**
[13] A1

[51] **Int.Cl. C07D 471/10 (2006.01)**
[25] EN
[54] **SPIRO RING-CONTAINING QUINAZOLINE COMPOUND**
[54] **COMPOSE DE QUINAZOLINE CONTENANT UN CYCLE SPIRO**
[72] XIE, YULI, CN
[72] FAN, HOUXING, CN
[72] CAO, GANG, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2022-06-15
[86] 2020-12-25 (PCT/CN2020/139530)
[87] (WO2021/129820)
[30] CN (201911386239.6) 2019-12-27
[30] CN (202010486384.8) 2020-06-01

[21] **3,162,111**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 9/10 (2006.01) A61K 31/717 (2006.01) A61K 33/00 (2006.01) A61K 36/15 (2006.01) A61K 45/06 (2006.01) A61K 47/26 (2006.01) A61L 15/44 (2006.01) A61L 26/00 (2006.01) A61P 17/02 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS**
[54] **COMPOSITIONS ANTIMICROBIENNES**
[72] UGLAND, HEGE, NO
[72] KNUTSEN, MAJA, NO
[72] CARRASCO, GARY CHINGA, NO
[71] OXY SOLUTIONS AS, NO
[85] 2022-06-15
[86] 2020-12-16 (PCT/GB2020/053244)
[87] (WO2021/123773)
[30] GB (1918552.9) 2019-12-16

[21] **3,162,113**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/68 (2006.01)**
[25] EN
[54] **PREBIOTIC AND PROBIOTIC TREATMENT TO REDUCE ORAL DYSBIOSIS AND PROMOTE EUBIOSIS**
[54] **TRAITEMENT PREBIOTIQUE ET PROBIOTIQUE POUR REDUIRE LA DYSBIOSE BUCCALE ET FAVORISER L'EUBIOSE**
[72] MIRA OBRADOR, ALEJANDRO, ES
[72] ROSIER, BOB THADDEUS, ES
[72] FERRER GARCIA, MARIA DESAMPARADOS, ES
[72] LOPEZ LOPEZ, ARANZAZU, ES
[71] FUNDACION PARA EL FOMENTO DE LA INVESTIGACION SANITARIA Y BIOMEDICA DE LA COMUNITAT VALENCIANA, ES
[85] 2022-06-15
[86] 2020-12-16 (PCT/EP2020/086413)
[87] (WO2021/122741)
[30] EP (19383131.0) 2019-12-17
[30] EP (20179452.6) 2020-06-11

PCT Applications Entering the National Phase

[21] **3,162,114**
[13] A1

[51] **Int.Cl. C03B 5/00 (2006.01) C03B 5/02 (2006.01) C03B 37/06 (2006.01) C03B 37/09 (2006.01) C03C 1/00 (2006.01) C03C 13/06 (2006.01)**

[25] EN

[54] **CONTINUOUS SMELTING AND FIBER SPINNING PROCESS**

[54] **PROCESSUS DE FUSION METALLURGIQUE CONTINUE ET DE FILAGE DE FIBRES**

[72] BISCHEL, MARSHA S., US

[72] LENGLE, BENJAMIN J., US

[72] BIRD, BRIAN, US

[71] ARMSTRONG WORLD INDUSTRIES INC., US

[85] 2022-06-15

[86] 2020-12-11 (PCT/US2020/064623)

[87] (WO2021/133573)

[30] US (62/952,652) 2019-12-23

[21] **3,162,118**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01)**

[25] EN

[54] **NUCLEIC ACID CONSTRUCTS FOR DELIVERING POLYNUCLEOTIDES INTO EXOSOMES**

[54] **CONSTRUCTIONS D'ACIDES NUCLEIQUES POUR L'ADMINISTRATION DE POLYNUCLEOTIDES DANS DES EXOSOMES**

[72] CORTELING, RANDOLPH, GB

[72] DEOGRACIAS, RUBEN, GB

[71] RENEURON LIMITED, GB

[85] 2022-06-15

[86] 2020-12-18 (PCT/GB2020/053284)

[87] (WO2021/123805)

[30] GB (1919021.4) 2019-12-20

[21] **3,162,145**
[13] A1

[51] **Int.Cl. A61H 3/00 (2006.01) B62D 57/032 (2006.01)**

[25] EN

[54] **LENGTH-ADJUSTABLE LOWER LIMB STRUCTURE, AND EXOSKELETON ROBOT USING SAME**

[54] **STRUCTURE DE MEMBRE INFERIEUR REGLABLE EN LONGUEUR, ET ROBOT D'EXOSQUELETTE UTILISANT CELLE-CI**

[72] SHUAI, MEI, CN

[71] BEIJING AI-ROBOTICS TECHNOLOGY CO., LTD., CN

[85] 2022-06-16

[86] 2020-05-21 (PCT/CN2020/091626)

[87] (WO2021/120515)

[30] CN (201911328380.0) 2019-12-20

[21] **3,162,115**
[13] A1

[51] **Int.Cl. C08K 3/01 (2018.01) C08K 3/32 (2006.01)**

[25] EN

[54] **FLAME RETARDANT MATERIALS**

[54] **MATERIAU IGNIFUGE**

[72] PASTORINI, MIRELA TURY, AT

[72] DEFOER, JOHAN, BE

[72] EK, CARL-GUSTAF, SE

[72] LEWIS, GAVIN, GB

[71] BOREALIS AG, AT

[85] 2022-06-15

[86] 2020-12-18 (PCT/EP2020/087283)

[87] (WO2021/123354)

[30] EP (19217715.2) 2019-12-18

[21] **3,162,129**
[13] A1

[51] **Int.Cl. C10G 3/00 (2006.01) C10L 1/02 (2006.01)**

[25] EN

[54] **PROCESS FOR GENERATING RENEWABLE STREAMS FROM BIO-OIL AND USE THEREOF FOR THE PRODUCTION OF RENEWABLE FUELS**

[54] **PROCEDE DE GENERATION DE FLUX RENOUVELABLES A PARTIR DE BIO-HUILE ET SON UTILISATION POUR LA PRODUCTION DE CARBURANTS RENOUVELABLES**

[72] DO COUTO FRAGA, ADRIANO, BR

[72] DE REZENDE PINHO, ANDREA, BR

[72] TORRES ABRANTES, LUIZA, BR

[72] ROBERTO GOMES, JEFFERSON, BR

[72] ZOTIN, JOSE LUIZ, BR

[72] MEDEIROS JUNIOR, IRIS, BR

[72] LOUREIRO XIMENES, VITOR, BR

[72] BRANDO BEZERRA DE ALMEIDA, MARLON, BR

[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR

[85] 2022-06-16

[86] 2020-12-14 (PCT/BR2020/050542)

[87] (WO2021/119783)

[30] BR (BR 10 2019 027016 0) 2019-12-17

[21] **3,162,168**
[13] A1

[51] **Int.Cl. G01F 15/02 (2006.01) G01K 1/14 (2021.01)**

[25] EN

[54] **NON-INVASIVE PROCESS FLUID FLOW INDICATION USING TEMPERATURE DIFFERENCE**

[54] **INDICATION D'ECOULEMENT DE FLUIDE DE TRAITEMENT NON INVASIVE A L'AIDE D'UNE DIFFERENCE DE TEMPERATURE**

[72] RUD, JASON H., US

[72] LEWIS, ZACHERY A., US

[71] ROSEMOUNT INC., US

[85] 2022-06-16

[86] 2020-12-07 (PCT/US2020/063599)

[87] (WO2021/126577)

[30] US (16/722,276) 2019-12-20

Demandes PCT entrant en phase nationale

[21] **3,162,177**
[13] A1

[51] **Int.Cl. H02J 3/38 (2006.01) G01R 19/25 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS OF DETECTING GRID ISLANDING**

[54] **PROCEDE ET APPAREIL DE DETECTION D'ILOTAGE DE RESEAU**

[72] PULIKANTI, SRIDHAR, NZ

[72] WALTON, SIMON, NZ

[72] TURNER, ROBERT, NZ

[72] ELLIOTT, NICHOLAS JAMES, NZ

[71] ABB SCHWEIZ AG, CH

[85] 2022-06-16

[86] 2019-12-27 (PCT/EP2019/087105)

[87] (WO2021/129944)

[21] **3,162,179**
[13] A1

[51] **Int.Cl. B29C 70/38 (2006.01) B29C 70/54 (2006.01)**

[25] EN

[54] **FIBER TOW WRAP RESISTANT FIBER PLACEMENT HEAD**

[54] **TETE DE PLACEMENT DE FIBRE RESISTANTE A L'ENROULEMENT DE CABLE DE FIBRES**

[72] NICHOLSON, CHRISTOPHER D., US

[71] FIVES MACHINING SYSTEMS, INC., US

[85] 2022-06-16

[86] 2020-12-15 (PCT/US2020/065047)

[87] (WO2021/126815)

[30] US (62/949,655) 2019-12-18

[21] **3,162,187**
[13] A1

[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR AUTOMATED PLANT IMAGE LABELING**

[54] **PROCEDE ET SYSTEME D'ETIQUETAGE AUTOMATISE D'IMAGES DE PLANTE**

[72] BAUER, CHRISTOPH, DE

[72] FRITZSCH, CHRISTOPH, DE

[72] DAHL, LUDMILLA, DE

[72] JEBSEN, CHRISTIAN, DE

[71] KWS SAAT SE & CO. KGAA, DE

[85] 2022-06-16

[86] 2020-12-14 (PCT/EP2020/085953)

[87] (WO2021/122446)

[30] EP (19 218 722.7) 2019-12-20

[21] **3,162,188**
[13] A1

[51] **Int.Cl. E21B 33/035 (2006.01) E21B 34/04 (2006.01)**

[25] EN

[54] **VALVE ASSEMBLY FOR CONTROLLING FLUID COMMUNICATION ALONG A WELL TUBULAR**

[54] **ENSEMBLE VANNE POUR COMMANDER UNE COMMUNICATION FLUIDIQUE LE LONG D'UN TUBE DE Puits**

[72] SZPUNAR, DARIUSZ KRZYSZTOF, GB

[72] DUPLESSIS, ANDRE NICOLAAS, GB

[72] MANETT, KRIS, GB

[71] EXPRO NORTH SEA LIMITED, GB

[85] 2022-06-16

[86] 2020-12-16 (PCT/GB2020/053233)

[87] (WO2021/123764)

[30] GB (1918790.5) 2019-12-19

[21] **3,162,193**
[13] A1

[51] **Int.Cl. A43B 13/12 (2006.01) B29D 35/06 (2010.01) B29D 35/14 (2010.01)**

[25] EN

[54] **FOOTWEAR ARTICLES AND METHODS FOR PREPARING A FOOTWEAR ARTICLE**

[54] **ARTICLES CHAUSSANTS ET PROCEDES DE PREPARATION D'ARTICLE CHAUSSANT**

[72] BELLALI, SAFIR, US

[72] WANG, LONGTAO, US

[72] SONG, HENRY, US

[71] VANS, INC., US

[85] 2022-06-16

[86] 2020-12-14 (PCT/US2020/064902)

[87] (WO2021/126781)

[30] US (62/948,508) 2019-12-16

[21] **3,162,194**
[13] A1

[51] **Int.Cl. H04L 45/24 (2022.01) H04W 24/04 (2009.01) H04W 84/18 (2009.01) H04L 45/28 (2022.01)**

[25] EN

[54] **HANDLING LOSS OR REMOVAL OF DEVICES IN A MESH NETWORK**

[54] **MANIPULATION DE PERTE OU D'ELIMINATION DE DISPOSITIFS DANS UN RESEAU MAILLE**

[72] CRAFTS, JORDAN H., US

[72] KING, JASON A., US

[72] KNODE, GALEN EDGAR, US

[71] LUTRON TECHNOLOGY COMPANY LLC, US

[85] 2022-06-16

[86] 2020-12-18 (PCT/US2020/066043)

[87] (WO2021/127458)

[30] US (62/951,433) 2019-12-20

[30] US (63/002,925) 2020-03-31

[21] **3,162,195**
[13] A1

[51] **Int.Cl. C07K 16/24 (2006.01) C12Q 1/6883 (2018.01)**

[25] EN

[54] **NOURIN GENE-BASED RNA MOLECULAR NETWORK: NOVEL EARLY DIAGNOSTIC AND PROGNOSTIC BIOMARKERS FOR CORONARY ARTERY DISEASE, UNSTABLE ANGINA, STEMI/NSTEMI AND HEART FAILURE**

[54] **RESEAU MOLECULAIRE D'ARN A BASE DE GENE NOURIN : NOUVEAUX BIOMARQUEURS DE DIAGNOSTIC ET DE PRONOSTIC PRECOCES D'UNE CORONAROPATHIE, UNE ANGINE DE POITRINE INSTABLE, UN STEMI/NSTEMI ET UNE INSUFFISANCE CARDIAQU**

[72] ELGEBALY, SALWA A., US

[71] NOUR HEART, INC., US

[85] 2022-06-16

[86] 2020-09-24 (PCT/IB2020/058907)

[87] (WO2021/123933)

[30] IB (PCT/IB2019/061056) 2019-12-18

[30] US (16/719,723) 2019-12-18

[30] US (63/002,179) 2020-03-30

[30] US (16/948,240) 2020-09-09

PCT Applications Entering the National Phase

[21] **3,162,196**
[13] A1

[51] **Int.Cl. C22B 1/243 (2006.01) C22B 1/245 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **THERMAL TREATMENT OF MINERAL RAW MATERIALS USING A MECHANICAL FLUIDISED BED REACTOR**
[54] **TRAITEMENT THERMIQUE DE MATIERES PREMIERES MINERALES A L'AIDE D'UN REACTEUR A LIT FLUIDISE MECANIQUE**
[72] HOPPE, ANDREAS, DE
[72] DIETRICH, MEIKE, DE
[72] HOLZER, JASMIN, DE
[72] SCHNEBERGER, JURGEN, DE
[72] RUSCHHOFF, SVEN, DE
[72] GOMEZ, RODRIGO, DE
[72] BRACHT, LUKAS, DE
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2022-06-16
[86] 2021-01-11 (PCT/EP2021/050370)
[87] (WO2021/148267)
[30] DE (10 2020 200 602.4) 2020-01-20
[30] LU (LU101613) 2020-01-20

[21] **3,162,199**
[13] A1

[51] **Int.Cl. C12Q 1/6895 (2018.01)**
[25] EN
[54] **ENHANCED DISEASE RESISTANCE OF MAIZE TO NORTHERN CORN LEAF BLIGHT BY A QTL ON CHROMOSOME 4**
[54] **AMELIORATION DE LA RESISTANCE A L'HELMINTHOSPORIOSE DU NORD DU MAIS PAR UN QTL SUR LE CHROMOSOME 4**
[72] SCHEUERMANN, DANIELA, DE
[72] PRESTERL, THOMAS, DE
[72] KESSEL, BETTINA, DE
[72] STAHL, DIETMAR, DE
[72] STIRNWEIS, DANIELFABIAN, DE
[71] KWS SAAT SE & CO. KGAA, DE
[85] 2022-06-16
[86] 2020-12-18 (PCT/EP2020/087343)
[87] (WO2021/123396)
[30] EP (19219124.5) 2019-12-20

[21] **3,162,200**
[13] A1

[51] **Int.Cl. C23C 22/78 (2006.01) C23C 28/00 (2006.01) C23G 1/14 (2006.01) C25D 5/48 (2006.01) C25D 7/06 (2006.01) C25F 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING LAMINATED TINPLATE, A LAMINATED TINPLATE PRODUCED THEREBY AND USE THEREOF**
[54] **PROCEDE DE FABRICATION DE FER BLANC STRATIFIE, FER BLANC STRATIFIE PRODUIT PAR CE PROCEDE ET UTILISATION DE CELUI-CI**
[72] PENNING, JAN PAUL, NL
[72] KONDRATIUK, DMITRY, NL
[71] TATA STEEL IJMUIDEN B.V., NL
[85] 2022-06-16
[86] 2020-12-18 (PCT/EP2020/087228)
[87] (WO2021/123312)
[30] EP (19218809.2) 2019-12-20

[21] **3,162,201**
[13] A1

[51] **Int.Cl. G01R 31/36 (2020.01) H01M 10/48 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CALCULATING THE ENERGY AVAILABLE IN AN ELECTRIC BATTERY AT ANY MOMENT DURING THE LIFE THEREOF, WITHOUT DISCHARGING SAME, AND THE AUTONOMY, CAPACITY AND REMAINING LIFE THEREOF**
[54] **PROCEDE ET SYSTEME POUR CALCULER L'ENERGIE DISPONIBLE DANS UNE BATTERIE ELECTRIQUE A N'IMPORTE QUEL MOMENT DE SA VIE, SANS LA DECHARGER, AINSI QUE SON AUTONOMIE, SA CAPACITE ET SA VIE RESTANT**
[72] PARRES GARCIA, LUIS ARTURO, ES
[71] PARRES GARCIA, LUIS ARTURO, ES
[85] 2022-06-16
[86] 2020-12-15 (PCT/ES2020/000058)
[87] (WO2021/123468)
[30] ES (P 201900184) 2019-12-18

[21] **3,162,202**
[13] A1

[51] **Int.Cl. C25D 21/18 (2006.01) C25D 3/06 (2006.01) C25D 21/10 (2006.01) C25D 21/22 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING THE CONCENTRATION OF IRON IONS IN A TRIVALENT CHROMIUM ELECTROPLATING BATH**
[54] **PROCEDE DE REDUCTION DE LA CONCENTRATION EN IONS FER DANS UN BAIN DE PLACAGE ELECTROLYTIQUE DE CHROME TRIVALENT**
[72] MUIGG, MICHAEL, DE
[72] WALTER, ANKE, DE
[72] KUHNE, SEBASTIAN, DE
[71] ATOTECH DEUTSCHLAND GMBH & CO. KG, DE
[85] 2022-06-16
[86] 2020-12-17 (PCT/EP2020/086882)
[87] (WO2021/123059)
[30] EP (19217608.9) 2019-12-18

[21] **3,162,203**
[13] A1

[51] **Int.Cl. G01L 9/00 (2006.01) G01L 13/02 (2006.01)**
[25] EN
[54] **HIGH RANGE DIFFERENTIAL PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION DIFFERENTIELLE A LARGE PORTEE**
[72] BRODEN, DAVID ANDREW, US
[72] WILLCOX, CHARLES RAY, US
[72] AFFIAS, BRIAN MICHAEL, US
[72] BLODGETT, JENNIFER ANN, US
[71] ROSEMOUNT INC., US
[85] 2022-06-16
[86] 2020-11-16 (PCT/US2020/060726)
[87] (WO2021/133481)
[30] US (16/725,035) 2019-12-23

Demandes PCT entrant en phase nationale

[21] **3,162,206**
[13] A1

[51] **Int.Cl. B29D 99/00 (2010.01) B29C 53/38 (2006.01) B29C 70/86 (2006.01) B29D 24/00 (2006.01) B32B 3/12 (2006.01) E01D 19/00 (2006.01) E04C 2/292 (2006.01)**

[25] EN

[54] **PRODUCT WITH AN ARRAY OF CORE ELEMENTS OR VOIDS AND INTERPOSED SHEETS AND METHODS FOR FORMING SUCH A PRODUCT**

[54] **PRODUIT AVEC UN RESEAU D'ELEMENTS DE NOYAU OU DE VIDES ET DE FEUILLES INTERPOSEES ET PROCEDES DE FORMATION D'UN TEL PRODUIT**

[72] PEETERS, JOHANNES HENDRICUS ALPHONSUS, NL

[71] FIBERCORE IP B.V., NL

[85] 2022-06-16

[86] 2019-12-16 (PCT/NL2019/050839)

[87] (WO2021/125937)

[21] **3,162,207**
[13] A1

[51] **Int.Cl. A61L 29/08 (2006.01) A61L 29/14 (2006.01) A61L 31/10 (2006.01) A61L 31/14 (2006.01) C09D 183/04 (2006.01)**

[25] EN

[54] **SURFACE MODIFYING COATING FOR MEDICAL DEVICES**

[54] **REVETEMENT DE MODIFICATION DE SURFACE POUR DISPOSITIFS MEDICAUX**

[72] LEE, YANN-PER, US

[72] RUSH, BENJAMIN L., US

[72] ZHOU, MING, US

[71] HOSPIRA, INC., US

[85] 2022-06-16

[86] 2020-12-17 (PCT/IB2020/062119)

[87] (WO2021/124206)

[30] US (62/952,124) 2019-12-20

[30] US (63/115,641) 2020-11-19

[21] **3,162,208**
[13] A1

[51] **Int.Cl. C07D 233/46 (2006.01) A61P 9/10 (2006.01) C07F 9/553 (2006.01) C07F 9/568 (2006.01) C07F 9/572 (2006.01) C07F 9/59 (2006.01)**

[25] EN

[54] **CYCLOCREATINE PHOSPHATE: A NOVEL BIOENERGETIC THERAPY TO PREVENT AND TREAT ISCHEMIA-INDUCED AND AGING-RELATED CARDIOVASCULAR AND NEURODEGENERATIVE DISEASES**

[54] **PHOSPHATE DE CYCLOCREATINE : NOUVELLE THERAPIE BIOENERGETIQUE POUR PREVENIR ET TRAITER DES MALADIES CARDIOVASCULAIRES ET NEURODEGENERATIVES INDUITES PAR ISCHEMIE ET LIEES AU VIEILLISSEMENT**

[72] ELGEBALY, SALWA A., US

[71] NOUR HEART, INC., US

[85] 2022-06-16

[86] 2020-09-24 (PCT/IB2020/058908)

[87] (WO2021/123934)

[30] IB (PCT/IB2019/061056) 2019-12-18

[30] US (16/719,723) 2019-12-18

[30] US (63/002,179) 2020-03-30

[30] US (16/948,235) 2020-09-09

[21] **3,162,210**
[13] A1

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/295 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR COMPRESSING GAS**

[54] **PROCEDE ET SYSTEME DE COMPRESSION DE GAZ**

[72] ASKVIK, KJELL MAGNE, NO

[72] EDAL, KURT, NO

[72] GRIMSGAARD, JENS, NO

[72] HELLAND, KNUT SIMON, NO

[72] TORSVIK, JONE, NO

[72] TVERLID, STEINAR WASA, NO

[72] VABO, MARTA, NO

[71] EQUINOR ENERGY AS, NO

[85] 2022-06-16

[86] 2020-12-14 (PCT/NO2020/050315)

[87] (WO2021/125970)

[30] GB (1918492.8) 2019-12-16

[21] **3,162,211**
[13] A1

[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/742 (2015.01) A61K 35/747 (2015.01) A23L 5/20 (2016.01) A23L 7/104 (2016.01) A23L 33/14 (2016.01) A21D 13/066 (2017.01) A21D 8/04 (2006.01) A61K 38/48 (2006.01) A61P 1/14 (2006.01)**

[25] EN

[54] **BACTERIAL CONSORTIUM COMPRISING AT LEAST ONE BACILLUS AND LACTOBACILLUS STRAIN FOR GLUTEN DEGRADATION**

[54] **CONSORTIUM BACTERIEN COMPRENANT AU MOINS UNE SOUCHE DE BACILLUS ET DE LACTOBACILLE POUR LA DEGRADATION DU GLUTEN**

[72] SPECKMANN, BODO, DE

[72] SCHWARM, MICHAEL, DE

[72] PELZER, STEFAN, DE

[72] BERNGRUBER, THOMAS, DE

[72] GOBBETTI, MARCO, IT

[72] DI CAGNO, RAFFAELLA, IT

[71] EVONIK OPERATIONS GMBH, DE

[85] 2022-06-16

[86] 2020-11-27 (PCT/EP2020/083770)

[87] (WO2021/129998)

[30] EP (19219287.0) 2019-12-23

[21] **3,162,212**
[13] A1

[51] **Int.Cl. A01N 25/00 (2006.01) A01N 25/10 (2006.01) A01N 33/04 (2006.01) A01N 39/04 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **LOW VOLATILE POLYAMINE SALTS OF ANIONIC PESTICIDES**

[54] **SELS DE POLYAMINES PEU VOLATILS DE PESTICIDES ANIONIQUES**

[72] KOLB, KLAUS, DE

[72] KRAPP, MICHAEL, DE

[72] GREGORI, WOLFGANG, DE

[72] BRATZ, MATTHIAS, DE

[72] NOLTE, MARC, DE

[72] ALTENHOFF, ANSGAR GEREON, DE

[72] BOWE, STEVEN JOSEPH, US

[72] BANGARWA, SANJEEV KUMAR, US

[72] SIMON, ANJA, DE

[71] BASF CORPORATION, US

[85] 2022-06-16

[86] 2020-12-10 (PCT/EP2020/085447)

[87] (WO2021/122272)

[30] EP (19218633.6) 2019-12-20

PCT Applications Entering the National Phase

[21] **3,162,213**
[13] A1

[51] **Int.Cl. C10G 1/06 (2006.01) C02F 11/08 (2006.01) C10L 9/08 (2006.01)**
[25] EN
[54] **COST EFFICIENT INTEGRATION OF HYDROTHERMAL LIQUEFACTION AND WET OXIDATION WASTEWATER TREATMENT.**
[54] **INTEGRATION ECONOMIQUE DE LA LIQUEFACTION HYDROTHERMIQUE ET DU TRAITEMENT DES EAUX USEES PAR OXYDATION HUMIDE**
[72] JOHANNSEN, IB, DK
[71] CIRCLIA NORDIC APS, DK
[85] 2022-06-16
[86] 2020-12-20 (PCT/DK2020/050397)
[87] (WO2021/121526)
[30] US (62/951,109) 2019-12-20

[21] **3,162,215**
[13] A1

[51] **Int.Cl. F23N 1/02 (2006.01) F23B 30/00 (2006.01) F23K 3/02 (2006.01)**
[25] EN
[54] **COMBUSTION SYSTEM COMPRISING AN ANNULAR SHROUD BURNER**
[54] **SYSTEME DE COMBUSTION COMPRENANT UN BRULEUR A ENVELOPPE ANNULAIRE**
[72] VAN OTTEN, BRYDGER, US
[72] KRIMSKY, STEVEN HAROLD, US
[72] DAVIS, KEVIN, US
[72] CHIODO, ANDREW PAUL, US
[71] JUPITER OXYGEN CORPORATION, US
[85] 2022-06-16
[86] 2020-12-14 (PCT/US2020/064864)
[87] (WO2021/126770)
[30] US (16/722,010) 2019-12-20

[21] **3,162,217**
[13] A1

[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **METHODS AND DEVICES FOR UPDATING IAB-NODE CONFIGURATION INFORMATION DURING INTER-DONOR MIGRATION**
[54] **PROCEDES ET DISPOSITIFS POUR METTRE A JOUR DES INFORMATIONS DE CONFIGURATION DE N?UD IAB PENDANT UNE MIGRATION INTER-DONNEUR**
[72] CAO, KUN, CN
[72] HUANG, YING, CN
[72] CHEN, LIN, CN
[71] ZTE CORPORATION, CN
[85] 2022-06-16
[86] 2020-03-06 (PCT/CN2020/078219)
[87] (WO2021/098085)

[21] **3,162,214**
[13] A1

[51] **Int.Cl. H04R 3/00 (2006.01) G10L 19/008 (2013.01) G10L 21/0216 (2013.01) H04S 7/00 (2006.01)**
[25] EN
[54] **WIRELESS MICROPHONE WITH LOCAL STORAGE**
[54] **MICROPHONE SANS FIL AVEC STOCKAGE LOCAL**
[72] SOLVANG, AUDUN, NO
[71] NOMONO AS, NO
[85] 2022-06-16
[86] 2020-12-17 (PCT/NO2020/050320)
[87] (WO2021/125975)
[30] GB (1918882.0) 2019-12-19

[21] **3,162,216**
[13] A1

[51] **Int.Cl. E21B 7/02 (2006.01)**
[25] EN
[54] **COMPACT PERIPHERAL UNIT FOR ONSHORE PRODUCTION RIGS**
[54] **UNITE COMPACTE DE PERIPHERIQUES POUR SONDAS DE PRODUCTION TERRESTRE**
[72] VASCONCELOS NABUCO, PICASSO FABRICIO, BR
[72] DE ANDRADE IVO, DANIEL, BR
[72] FREITAS DE SOUZA, WILLIAN RAFAEL, BR
[71] PETROLEO BRASILEIRO S.A., BR
[85] 2022-06-16
[86] 2020-12-15 (PCT/BR2020/050547)
[87] (WO2021/119785)
[30] BR (BR 10 2019 027602 9) 2019-12-20

[21] **3,162,218**
[13] A1

[51] **Int.Cl. C10B 57/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING COAL BLEND AND METHOD FOR PRODUCING COKE**
[54] **PROCEDE DE PRODUCTION DE CHARBON MELANGE ET PROCEDE DE PRODUCTION DE COKE**
[72] IGAWA, DAISUKE, JP
[72] MATSUI, TAKASHI, JP
[72] DOHI, YUSUKE, JP
[71] JFE STEEL CORPORATION, JP
[85] 2022-06-16
[86] 2020-12-25 (PCT/JP2020/048673)
[87] (WO2021/140947)
[30] JP (2020-000716) 2020-01-07

Demandes PCT entrant en phase nationale

[21] **3,162,219**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61P 37/00 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **SOLID FORMS OF 2-[3-[4-AMINO-3-(2-FLUORO-4-PHENOXY-PHENYL)PYRAZOLO[3,4-D]PYRIMIDIN-1-YL]PIPERIDINE-1-CARBONYL]-4-METHYL-4-[4-(OXETAN-3-YL)PIPERAZIN-1-YL]PENT-2-ENENITRILE**

[54] **FORMES SOLIDES DE 2-[3-[4-AMINO-3-(2-FLUORO-4-PHENOXY-PHENYLE) PYRAZOLO [3,4-D] PYRIMIDIN-1-YL] PIPERIDINE-1-CARBONYL]-4-METHYL-4-[4-(OXETAN-3-YL) PIPERAZIN-1-YL] PENT-2-ENENITRIL**

[72] PHIASIVONGSA, PASIT, US
[72] CHU, KATHERINE, US
[72] ZHU, JIANG, US
[72] BY, KOLBOT, US
[72] MASJEDIZADEH, MOHAMMAD, US
[71] PRINCIPIA BIOPHARMA INC., US
[85] 2022-06-16
[86] 2020-12-17 (PCT/US2020/065689)
[87] (WO2021/127231)
[30] US (62/951,958) 2019-12-20
[30] US (63/122,309) 2020-12-07

[21] **3,162,221**
[13] A1

[51] **Int.Cl. B64C 13/28 (2006.01) B64C 13/50 (2006.01)**

[25] EN

[54] **ELECTRO-MECHANICAL ACTUATOR FOR CONTROLLING THE MOVEMENT OF AN AIRCRAFT**

[54] **ACTIONNEUR ELECTROMECHANIQUE PERMETTANT DE COMMANDER LE MOUVEMENT D'UN AERONEF**

[72] TELTEU-NEDELUCU, DAN, BE
[72] BRITTE, ALBERT, BE
[71] SOCIETE ANONYME BELGE DE CONSTRUCTIONS AERONAUTIQUES, S.A.B.C.A., BE
[85] 2022-06-16
[86] 2020-12-11 (PCT/EP2020/085751)
[87] (WO2021/130032)
[30] EP (19219517.0) 2019-12-23

[21] **3,162,222**
[13] A1

[51] **Int.Cl. E21B 17/10 (2006.01) F16C 33/20 (2006.01) F16C 33/28 (2006.01) F16L 57/06 (2006.01)**

[25] EN

[54] **NON-METALLIC WEAR BANDS FOR OILFIELD RODS AND TUBULARS, AND METHODS OF FORMING SAME**

[54] **BANDES D'USURE NON METALLIQUES POUR TIGES ET TUBULAIRES DE CHAMP PETROLIFERE, ET LEURS PROCEDES DE FORMATION**

[72] MOORE, RUSSEL, CA
[71] MOORE, RUSSEL, CA
[85] 2022-06-16
[86] 2020-12-18 (PCT/CA2020/000137)
[87] (WO2021/119796)
[30] US (62/951,988) 2019-12-20
[30] US (63/026,868) 2020-05-19

[21] **3,162,223**
[13] A1

[51] **Int.Cl. A21C 13/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR THE FINAL PROOFING OF DOUGH**

[54] **APPAREIL ET PROCEDE POUR LE TEST FINAL D'UNE PATE**

[72] VEROUDEN, FRANCISCUS QUIRINUS FREDRIK, NL
[72] KOKKOTI, MARIA, NL
[72] VAN WEZEL, MICHEL MARTINUS WILLEM, NL
[71] KAAK GROEP B.V., NL
[85] 2022-06-16
[86] 2020-12-21 (PCT/NL2020/050812)
[87] (WO2021/125965)
[30] NL (2024529) 2019-12-20

[21] **3,162,224**
[13] A1

[51] **Int.Cl. F41G 1/34 (2006.01)**

[25] EN

[54] **TAIL SWITCH ARRANGEMENT FOR A LIGHT**

[54] **AGENCEMENT DE COMMUTATEUR DE QUEUE POUR UNE LAMPE**

[72] WORMAN, WILLIAM D., US
[71] STREAMLIGHT, INC., US
[85] 2022-06-16
[86] 2020-12-22 (PCT/US2020/066597)
[87] (WO2021/133796)
[30] US (16/725,670) 2019-12-23
[30] US (17/125,537) 2020-12-17

[21] **3,162,225**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/165 (2006.01) A61P 25/24 (2006.01)**

[25] EN

[54] **TRANSMUCOSAL THERAPEUTIC SYSTEM CONTAINING AGOMELATINE**

[54] **SYSTEME THERAPEUTIQUE TRANSMUQUEUX CONTENANT DE L'AGOMELATINE**

[72] MOHR, PATRICK, DE
[72] RIETSCHER, RENE, DE
[72] EIFLER, RENE, DE
[72] BOURQUAIN, OLGAR, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2022-06-16
[86] 2020-10-02 (PCT/EP2020/077736)
[87] (WO2020/260726)
[30] EP (19218592.4) 2019-12-20

[21] **3,162,226**
[13] A1

[51] **Int.Cl. F16L 55/18 (2006.01) B29C 35/10 (2006.01) E03F 3/06 (2006.01) F16L 55/48 (2006.01) H05B 6/64 (2006.01)**

[25] EN

[54] **SYSTEM FOR CURING AND/OR INSPECTING A PIPELINE LINING AND METHOD FOR CURING AND/OR INSPECTING A PIPELINE LINING**

[54] **SYSTEME DE DURCISSEMENT ET/OU D'INSPECTION D'UN REVETEMENT DE PIPELINE ET PROCEDE DE DURCISSEMENT ET/OU D'INSPECTION D'UN REVETEMENT DE PIPELINE**

[72] BOLLER, DANIEL, CH
[72] WERNER, KLAUS, NL
[72] GOMES CANCIO, JOAO CARLOS, BR
[71] BODUS GMBH, CH
[85] 2022-06-16
[86] 2020-12-16 (PCT/EP2020/086537)
[87] (WO2021/122825)
[30] EP (19217632.9) 2019-12-18

PCT Applications Entering the National Phase

[21] **3,162,227**
[13] A1

[51] **Int.Cl. C07D 417/12 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01) C07D 277/82 (2006.01)**

[25] EN

[54] **ANTIVIRAL COMPOUNDS, COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSES ANTIVIRAUX, COMPOSITIONS ET PROCÉDES D'UTILISATION**

[72] GRIERSON, DAVID SCOTT, CA

[72] ZAMIRI, MARYAM, CA

[72] CHEUNG, PETER K., CA

[72] CHABOT, BENOIT, CA

[72] COCHRANE, ALAN WALTER, CA

[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[71] SOCIETE DE COMMERCIALISATION DES PRODUITS DE LA RECHERCHE APPLIQUEE SOCPRA SCIENCES SANTE ET HUMAINES S.E.C., CA

[85] 2022-06-16

[86] 2020-12-15 (PCT/CA2020/051724)

[87] (WO2021/119808)

[30] US (62/948,672) 2019-12-16

[21] **3,162,228**
[13] A1

[51] **Int.Cl. H04H 20/78 (2009.01) H04H 60/96 (2009.01) H04N 21/61 (2011.01)**

[25] EN

[54] **DISTRIBUTED ACCESS ARCHITECTURE SYSTEM FOR CATV**

[54] **SYSTEME D'ARCHITECTURE D'ACCES DISTRIBUE POUR CATV**

[72] WACHOB, DAVID E., US

[71] ANTRONIX INC., US

[85] 2022-06-16

[86] 2020-12-17 (PCT/US2020/065513)

[87] (WO2021/127116)

[30] US (62/974,730) 2019-12-19

[21] **3,162,229**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/165 (2006.01) A61K 47/32 (2006.01) A61P 25/24 (2006.01)**

[25] EN

[54] **TRANSDERMAL THERAPEUTIC SYSTEM CONTAINING AGOMELATINE**

[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE CONTENANT DE L'AGOMELATINE**

[72] MOHR, PATRICK, DE

[72] RIETSCHER, RENE, DE

[72] EIFLER, RENE, DE

[72] BOURQUAIN, OLGA, DE

[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE

[85] 2022-06-16

[86] 2020-10-02 (PCT/EP2020/077737)

[87] (WO2020/260727)

[30] EP (19218599.9) 2019-12-20

[21] **3,162,230**
[13] A1

[51] **Int.Cl. B29C 45/14 (2006.01) G09B 23/28 (2006.01) G09B 23/30 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SURGICAL TRAINING MODEL**

[54] **SYSTEMES ET PROCÉDES POUR MODELE D'ENTRAINEMENT CHIRURGICAL**

[72] CLIFTON III, WILLIAM E., US

[72] DAMON, AARON C., US

[72] NOTTMEIER, ERIC W., US

[72] PICHELMANN, MARK A., US

[72] QUINONES-HINOJOSA, ALFREDO, US

[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US

[85] 2022-06-16

[86] 2020-12-18 (PCT/US2020/065977)

[87] (WO2021/127410)

[30] US (62/951,861) 2019-12-20

[21] **3,162,237**
[13] A1

[51] **Int.Cl. A61M 25/092 (2006.01) A61M 25/01 (2006.01)**

[25] EN

[54] **DELIVERY SHEATH AND MEDICAL DEVICE**

[54] **GAINE D'ADMINISTRATION ET DISPOSITIF MEDICAL**

[72] LI, ANNING, CN

[72] HU, LONGHU, CN

[72] TANG, HUIQIANG, CN

[72] WANG, CUI, CN

[71] LIFETECH SCIENTIFIC (SHENZHEN) CO., LTD., CN

[85] 2022-06-16

[86] 2020-11-06 (PCT/CN2020/126982)

[87] (WO2021/120917)

[30] CN (201911301098.3) 2019-12-17

[30] CN (201911300548.7) 2019-12-17

[30] CN (201911300491.0) 2019-12-17

[21] **3,162,242**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01) A61K 8/02 (2006.01) A61K 8/19 (2006.01) A61K 8/64 (2006.01) A61K 8/72 (2006.01) A61K 9/00 (2006.01) A61K 33/10 (2006.01) A61P 3/04 (2006.01) A61Q 19/06 (2006.01)**

[25] EN

[54] **LIPOLYSIS COMPOSITION USING SURFACE-MODIFIED GAS-GENERATING NANOPARTICLES**

[54] **COMPOSITION DE LIPOLYSE UTILISANT DES NANOPARTICULES GENERATRICES DE GAZ MODIFIEES EN SURFACE**

[72] JEONG, EUN JU, KR

[72] SEO, YE RANG, KR

[71] SUPERNOVA BIO CO., LTD., KR

[85] 2022-06-16

[86] 2020-08-03 (PCT/KR2020/010187)

[87] (WO2021/125488)

[30] KR (10-2019-0171012) 2019-12-19

Demandes PCT entrant en phase nationale

[21] **3,162,245**
[13] A1

[51] **Int.Cl. C07K 14/605 (2006.01)**
[25] EN
[54] **INCRETIN ANALOGS AND USES THEREOF**
[54] **ANALOGUES D'INCRETINE ET LEURS UTILISATIONS**
[72] ABRAHAM, MILATA MARY, US
[72] ALSINA-FERNANDEZ, JORGE, US
[72] COSKUN, TAMER, US
[72] QU, HONGCHANG, US
[72] WALLIS, JAMES LINCOLN, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-06-16
[86] 2020-12-11 (PCT/US2020/064512)
[87] (WO2021/126695)
[30] US (62/949,661) 2019-12-18

[21] **3,162,247**
[13] A1

[51] **Int.Cl. G16H 50/20 (2018.01) G16H 30/40 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES FOR COMPUTATIONAL ASSESSMENT OF DISEASE**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR L'EVALUATION INFORMATIQUE D'UNE MALADIE**
[72] DOGDAS, BELMA, US
[72] KANAN, CHRISTOPHER, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[71] PAIGE.AI, INC., US
[85] 2022-06-16
[86] 2020-12-16 (PCT/US2020/065306)
[87] (WO2021/141742)
[30] US (62/957,523) 2020-01-06

[21] **3,162,248**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) B64G 1/42 (2006.01) H02J 7/35 (2006.01)**
[25] EN
[54] **POWER SUPPLY MODULE FOR NANOSATELLITE SYSTEMS**
[54] **MODULE D'ALIMENTATION POUR SYSTEMES DE NANOSATELLITES**
[72] CHATZIS, ANTONIOS NIKOLAI, BG
[72] KOLEV, NIKOLAY ATANASOV, BG
[71] "ENDUROSAT" JOINT STOCK COMPANY, BG
[85] 2022-06-16
[86] 2020-11-03 (PCT/BG2020/000038)
[87] (WO2021/119768)
[30] BG (113049) 2019-12-20

[21] **3,162,249**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **VACCINES AGAINST AFRICAN SWINE FEVER VIRUS, AND METHODS OF USING SAME**
[54] **VACCINS CONTRE LE VIRUS DE LA PESTE PORCINE AFRICAINE ET PROCEDES D'UTILISATION ASSOCIES**
[72] MUTHUMANI, KAR, US
[72] WEINER, DAVID, US
[71] THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY, US
[85] 2022-06-16
[86] 2020-12-21 (PCT/US2020/066316)
[87] (WO2021/127617)
[30] US (62/950,194) 2019-12-19

[21] **3,162,251**
[13] A1

[51] **Int.Cl. G16B 40/20 (2019.01) G16H 30/40 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING ELECTRONIC IMAGES FOR QUALITY CONTROL**
[54] **SYSTEMES ET PROCEDES D'ANALYSE D'IMAGES ELECTRONIQUES POUR UN CONTROLE DE QUALITE**
[72] SUE, JILLIAN, US
[72] YOUSFI, RAZIK, US
[72] SCHUEFFLER, PETER, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[71] PAIGE.AI, INC., US
[85] 2022-06-16
[86] 2020-12-18 (PCT/US2020/065995)
[87] (WO2021/141757)
[30] US (62/957,517) 2020-01-06

[21] **3,162,252**
[13] A1

[51] **Int.Cl. A23J 3/14 (2006.01) A23J 3/22 (2006.01) A23J 3/26 (2006.01)**
[25] EN
[54] **MODULATION OF PROTEIN DEGRADATION**
[54] **MODULATION DE DEGRADATION DE PROTEINES**
[72] KLEY, NIKOLAI, US
[72] LIEVENS, SAMUEL, BE
[72] SABATINI, RICCARDO, US
[71] ORIONIS BIOSCIENCES, INC., US
[71] ORIONIS BIOSCIENCES BV, BE
[85] 2022-06-16
[86] 2020-12-15 (PCT/US2020/065022)
[87] (WO2021/126805)
[30] US (62/949,021) 2019-12-17

[21] **3,162,253**
[13] A1

[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/395 (2006.01) A61K 31/415 (2006.01) A61K 31/416 (2006.01) A61K 31/4164 (2006.01) A61K 31/4184 (2006.01) A61K 31/4192 (2006.01) A61K 31/4196 (2006.01) A61K 31/423 (2006.01) A61K 31/437 (2006.01) A61K 31/4402 (2006.01) A61K 31/4406 (2006.01) A61K 31/4409 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61K 31/472 (2006.01) A61K 31/495 (2006.01) A61K 31/498 (2006.01) A61K 31/50 (2006.01) A61K 31/501 (2006.01) A61K 31/505 (2006.01)**

PCT Applications Entering the National Phase

<p>A61K 31/517 (2006.01) A61K 31/538 (2006.01) A61P 35/00 (2006.01) C07D 209/00 (2006.01) C07D 213/55 (2006.01) C07D 215/48 (2006.01) C07D 217/04 (2006.01) C07D 231/12 (2006.01) C07D 233/56 (2006.01) C07D 237/08 (2006.01) C07D 237/28 (2006.01) C07D 239/26 (2006.01) C07D 239/84 (2006.01) C07D 241/12 (2006.01) C07D 241/42 (2006.01) C07D 249/06 (2006.01) C07D 249/08 (2006.01) C07D 249/18 (2006.01) C07D 261/20 (2006.01) C07D 263/56 (2006.01) C07D 263/58 (2006.01) C07D 265/36 (2006.01) C07D 401/04 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07D 471/04 (2006.01)</p>	<p>[21] 3,163,049 [13] A1</p>	<p>[21] 3,164,257 [13] A1</p>
<p>[25] EN [54] INHIBITORS OF ENL/AF9 YEASTS [54] INHIBITEURS DE YEASTS ENL/AF9 [72] ALLIS, C. DAVID, US [72] WAN, LILING, US [72] VACCA, JOSEPH, US [72] KHAN, TANWEER A., US [72] LADDUWAHETTY, TAMMY, GB [72] LIVERTON, NIGEL, US [72] FUKASE, YOSHIYUKI, US [72] MICHINO, MAYAKO, US [72] STAMFORD, ANDREW W., US [72] MILLER, MICHAEL W., US [72] HUGGINS, DAVID, US [72] MEINKE, PETER, US [71] THE ROCKEFELLER UNIVERSITY, US [71] BRIDGE MEDICINES, LLC, US [71] KHAN, TANWEER A., US [71] LIVERTON, NIGEL, US [71] FUKASE, YOSHIYUKI, US [71] MICHINO, MAYAKO, US [71] STAMFORD, ANDREW W., US [71] MILLER, MICHAEL W., US [71] HUGGINS, DAVID, US [71] MEINKE, PETER, US [85] 2022-06-16 [86] 2020-12-17 (PCT/US2020/065593) [87] (WO2021/127166) [30] US (62/949,160) 2019-12-17</p>	<p>[51] Int.Cl. G06Q 30/06 (2012.01) G06F 9/451 (2018.01) G06F 9/44 (2018.01) [25] EN [54] FACILITATING INTERACTIVE CONTENT PRESENTATION IN ONLINE COMPUTING ENVIRONMENT [54] FACILITATION DE LA PRESENTATION DE CONTENU INTERACTIF DANS UN ENVIRONNEMENT INFORMATIQUE EN LIGNE [72] BROWN, DERRICK, US [71] CARDLYTICS, INC., US [85] 2022-06-24 [86] 2020-01-15 (PCT/US2020/013652) [87] (WO2021/133418) [30] US (16/726,779) 2019-12-24</p>	<p>[51] Int.Cl. C07H 15/04 (2006.01) [25] EN [54] NEW IMMUNOSTIMULATORS AND USE THEREOF IN IMMUNOTHERAPY [54] NOUVEAUX IMMUNOSTIMULATEURS ET LEUR UTILISATION EN IMMUNOTHERAPIE [72] DUBREUIL, DIDIER, FR [72] PATINEC, ALLAN, FR [72] PIPELIER, MURIEL, FR [72] LE PENDU, JACQUES, FR [72] LEBRETON, JACQUES, FR [72] TESSIER, ARNAUD, FR [71] NANTES UNIVERSITE, FR [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR [71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR [85] 2022-07-08 [86] 2021-01-08 (PCT/EP2021/050276) [87] (WO2021/140203) [30] EP (20305019.0) 2020-01-10</p>
<p>[71] THE ROCKEFELLER UNIVERSITY, US [71] BRIDGE MEDICINES, LLC, US [71] KHAN, TANWEER A., US [71] LIVERTON, NIGEL, US [71] FUKASE, YOSHIYUKI, US [71] MICHINO, MAYAKO, US [71] STAMFORD, ANDREW W., US [71] MILLER, MICHAEL W., US [71] HUGGINS, DAVID, US [71] MEINKE, PETER, US [85] 2022-06-16 [86] 2020-12-17 (PCT/US2020/065593) [87] (WO2021/127166) [30] US (62/949,160) 2019-12-17</p>	<p>[21] 3,163,528 [13] A1</p>	<p>[21] 3,164,589 [13] A1</p>
<p>[51] Int.Cl. C07D 413/06 (2006.01) [25] EN [54] A METHOD FOR PREPARING COUMARIN COMPOUNDS SUBSTITUTED BY AMIDOALKYL AT 3-POSITION, THE PRODUCTS AND RELATED INTERMEDIATES THEREOF [54] PROCEDE DE PREPARATION DE COMPOSE DE COUMARINE, DONT LA POSITION 3 EST SUBSTITUEE PAR UN AMIDOALKYLE, ET PRODUITS ET INTERMEDIAIRES ASSOCIES DE CELUI-CI [72] ZENG, QINGPING, US [72] WANG, RUIPING, CN [72] DUAN, JIE, CN [72] WEI, XUDONG, US [71] FOSUN ORINOVE PHARMATECH, INC., CN [85] 2022-06-30 [86] 2020-12-30 (PCT/CN2020/141203) [87] (WO2021/136333) [30] CN (201911422365.2) 2019-12-31</p>	<p>[51] Int.Cl. B65D 85/76 (2006.01) B65D 25/06 (2006.01) B65D 75/20 (2006.01) B65D 75/42 (2006.01) B65D 75/58 (2006.01) B65D 75/66 (2006.01) [25] FR [54] FOOD PRODUCT PACKAGE FORMED BY A SHEET SEALED ON ITSELF, METHOD FOR MANUFACTURING AND FILLING SUCH A PACKAGING AND BLANK [54] EMBALLAGE POUR PRODUIT ALIMENTAIRE FORME D'UNE FEUILLE SCHELLEE SUR ELLE-MEME, PROCEDE DE FABRICATION ET DE REMPLISSAGE D'UN TEL EMBALLAGE ET FLAN [72] VERNIER, ALEXANDRE, FR [72] COUPARD, GILLES, FR [71] BEL, FR [85] 2022-07-12 [86] 2021-01-21 (PCT/EP2021/051319) [87] (WO2021/148526) [30] FR (FR2000610) 2020-01-22</p>	<p>[51] Int.Cl. B65D 85/76 (2006.01) B65D 25/06 (2006.01) B65D 75/20 (2006.01) B65D 75/42 (2006.01) B65D 75/58 (2006.01) B65D 75/66 (2006.01) [25] FR [54] FOOD PRODUCT PACKAGE FORMED BY A SHEET SEALED ON ITSELF, METHOD FOR MANUFACTURING AND FILLING SUCH A PACKAGING AND BLANK [54] EMBALLAGE POUR PRODUIT ALIMENTAIRE FORME D'UNE FEUILLE SCHELLEE SUR ELLE-MEME, PROCEDE DE FABRICATION ET DE REMPLISSAGE D'UN TEL EMBALLAGE ET FLAN [72] VERNIER, ALEXANDRE, FR [72] COUPARD, GILLES, FR [71] BEL, FR [85] 2022-07-12 [86] 2021-01-21 (PCT/EP2021/051319) [87] (WO2021/148526) [30] FR (FR2000610) 2020-01-22</p>

Demandes PCT entrant en phase nationale

[21] **3,164,697**
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/70 (2006.01)**

[25] EN

[54] **A CANNABOSIDE COMPOSITION AND METHOD TO PRODUCE**

[54] **COMPOSITION DE CANNABOSIDE(S) ET PROCEDE DE PRODUCTION**

[72] NOEL, JOSEPH, US

[71] CANNABIS GLOBAL, INC., US

[85] 2022-07-13

[86] 2021-01-18 (PCT/US2021/013830)

[87] (WO2021/146687)

[30] US (62/962,040) 2020-01-16

[21] **3,164,872**
[13] A1

[51] **Int.Cl. F04D 29/44 (2006.01) F04D 29/66 (2006.01)**

[25] EN

[54] **A RETURN CHANNEL WITH NON-CONSTANT RETURN CHANNEL VANES PITCH AND CENTRIFUGAL TURBOMACHINE INCLUDING SAID RETURN CHANNEL**

[54] **CANAL DE RETOUR A PAS D'AUBES DE CANAL DE RETOUR NON CONSTANT ET TURBOMACHINE CENTRIFUGE COMPRENANT LEDIT CANAL DE RETOUR**

[72] TONI, LORENZO, IT

[72] MICHELASSI, VITTORIO, IT

[72] GUGLIELMO, ALBERTO, IT

[72] GATTA, GUISEPPE, IT

[72] PANIZZA, ANDREA, IT

[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT

[85] 2022-07-14

[86] 2021-01-15 (PCT/EP2021/025012)

[87] (WO2021/148239)

[30] IT (102020000001294) 2020-01-23

[21] **3,165,395**
[13] A1

[51] **Int.Cl. G21H 1/00 (2006.01) G21H 1/02 (2006.01) G21H 1/04 (2006.01) G21H 1/10 (2006.01)**

[25] EN

[54] **CHARGEABLE ATOMIC BATTERY AND ACTIVATION CHARGING PRODUCTION METHODS**

[54] **BATTERIE ATOMIQUE RECHARGEABLE ET PROCEDES DE PRODUCTION DE CHARGE D'ACTIVATION**

[72] EADES, MICHAEL JOHN, US

[72] MORRISON, CHRISTOPHER, US

[72] VENNERI, PAOLO FRANCESCO, US

[72] DEASON, WESLEY, US

[72] REED, MARK, US

[71] ULTRA SAFE NUCLEAR CORPORATION, US

[85] 2022-07-20

[86] 2021-02-07 (PCT/US2021/016982)

[87] (WO2021/159043)

[30] US (62/971,898) 2020-02-07

[21] **3,165,403**
[13] A1

[51] **Int.Cl. G21H 1/00 (2006.01) G21H 1/02 (2006.01) G21H 1/04 (2006.01) G21H 1/10 (2006.01)**

[25] EN

[54] **CHARGEABLE ATOMIC BATTERY WITH PRE-ACTIVATION ENCAPSULATION MANUFACTURING**

[54] **BATTERIE ATOMIQUE RECHARGEABLE AVEC FABRICATION D'ENCAPSULATION PAR PRE-ACTIVATION**

[72] MORRISON, CHRISTOPHER, US

[72] VENNERI, PAOLO FRANCESCO, US

[72] EADES, MICHAEL JOHN, US

[72] YUE, SARAH, US

[71] ULTRA SAFE NUCLEAR CORPORATION, US

[85] 2022-07-20

[86] 2021-02-07 (PCT/US2021/016980)

[87] (WO2021/159041)

[30] US (62/971,898) 2020-02-07

[21] **3,166,151**
[13] A1

[51] **Int.Cl. A01K 61/00 (2017.01) A01K 61/60 (2017.01) A01K 63/04 (2006.01) C02F 1/72 (2006.01) C02F 1/74 (2006.01) C02F 3/02 (2006.01) C02F 3/12 (2006.01) C02F 3/20 (2006.01) C02F 7/00 (2006.01)**

[25] EN

[54] **A FLUID INJECTION DEVICE IN CAGES FOR AQUACULTURE IN SEA, LAKE, RIVER, OR ARTIFICIAL CONTAINERS**

[54] **DISPOSITIF D'INJECTION DE FLUIDES DANS DES CAGES POUR L'AQUACULTURE DANS LA MER, UN LAC, UNE RIVIERE OU DES CONTENEURS ARTIFICIELS**

[72] MARCUS DEL CAMPO, JOHN ROBERT, CL

[72] HUSAK SOTOMAYOR, THOMAS WENZEL, CL

[71] OXZO S.A., CL

[85] 2022-07-26

[86] 2020-11-20 (PCT/IB2020/060986)

[87] (WO2021/137038)

[30] US (62/956,942) 2020-01-03

[21] **3,169,150**
[13] A1

[51] **Int.Cl. B60G 7/00 (2006.01) B60L 53/12 (2019.01)**

[25] EN

[54] **MOBILE TRANSPORT SYSTEM**

[54] **SYSTEME DE TRANSPORT MOBILE**

[72] MANZ, FRIEDRICH, DE

[72] KODDERITZSCH, JAN-PATRICK, DE

[72] DAHL, THEODOR, DE

[72] FRISCH, JOSHUA GORDON DAVID, DE

[71] SEW-EURODRIVE GMBH & CO. KG, DE

[85] 2022-08-23

[86] 2020-12-17 (PCT/EP2020/086751)

[87] (WO2021/151587)

[30] DE (10 2020 000 522.5) 2020-01-28

PCT Applications Entering the National Phase

[21] **3,169,364**
[13] A1

[51] **Int.Cl. B65D 19/26 (2006.01)**
[25] EN
[54] **ASSEMBLING COMPONENT HAVING LOCKING MECHANISM**
[54] **ELEMENT D'ASSEMBLAGE COMPRENANT UN MECANISME DE VERROUILLAGE**
[72] LOW, ENGCHOON, CN
[71] LOW, ENGCHOON, CN
[85] 2022-08-24
[86] 2019-12-09 (PCT/CN2019/124054)
[87] (WO2021/114033)

[21] **3,169,585**
[13] A1

[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/058 (2010.01) H01M 10/12 (2006.01)**
[25] EN
[54] **BATTERY CHARGING AND DISCHARGING USING A BATTERY BANK DURING BATTERY MANUFACTURE**
[54] **CHARGE ET DECHARGE DE BATTERIES AU MOYEN D'UN BANC DE BATTERIES PENDANT LA FABRICATION DE BATTERIES**
[72] FAUTEUX, DENIS GASTON, CN
[72] SUBRAMANIAN, ADITYA, CN
[71] TECHTRONIC CORDLESS GP, US
[85] 2022-07-27
[86] 2021-01-11 (PCT/IB2021/050171)
[87] (WO2021/161110)
[30] US (16/792,049) 2020-02-14

[21] **3,169,586**
[13] A1

[51] **Int.Cl. G06Q 50/02 (2012.01) G06F 16/242 (2019.01) G06F 16/2458 (2019.01) G06F 16/26 (2019.01) G06F 16/28 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **OILFIELD DATA FILE CLASSIFICATION AND INFORMATION PROCESSING SYSTEMS**
[54] **SYSTEMES DE CLASSIFICATION DE FICHIERS DE DONNEES DE CHAMP PETROLIFERE ET DE TRAITEMENT D'INFORMATIONS**
[72] GUPTA, SUPRIYA, US
[72] BAIHLY, JASON, US
[72] KARNIK, SANIYA, US
[72] ROSSI, DAVID, US
[72] ACOCK, ANDREW, US
[72] MALIK, ASIM, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-07-28
[86] 2021-01-19 (PCT/US2021/013971)
[87] (WO2021/154540)
[30] US (62/966,753) 2020-01-28
[30] US (16/890,208) 2020-06-02

[21] **3,169,587**
[13] A1

[51] **Int.Cl. A61B 90/00 (2016.01) A61B 90/90 (2016.01) G06K 7/01 (2006.01) G06K 19/02 (2006.01) G06K 19/06 (2006.01) G08B 23/00 (2006.01)**
[25] EN
[54] **INSTRUMENT TRACKING MACHINE**
[54] **MACHINE DE SUIVI D'INSTRUMENT**
[72] KUMAR, MAYANK, US
[72] JANTIKAR, SHEETAL DEEPAK, US
[72] SATISH, SIDDARTH, US
[72] MILLER, KEVIN J., US
[72] SCHERF, STEVEN, US
[72] CARROLL, CHARLES PETERSON, US
[71] GAUSS SURGICAL, INC., US
[85] 2022-07-28
[86] 2021-01-26 (PCT/US2021/015070)
[87] (WO2021/154717)
[30] US (62/968,538) 2020-01-31

[21] **3,169,588**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **BIOMARKER, METHODS, AND COMPOSITIONS THEREOF FOR EVALUATION OR MANAGEMENT OF KIDNEY FUNCTION OR DIAGNOSING OR AID IN DIAGNOSING KIDNEY DYSFUNCTION OR KIDNEY DISEASE**
[54] **BIOMARQUEUR, PROCEDES ET COMPOSITIONS ASSOCIEES POUR L'EVALUATION OU LA GESTION DE LA FONCTION RENALE OU LE DIAGNOSTIC OU L'AIDE AU DIAGNOSTIC D'UN DYSFONCTIONNEMENT RENAL OU D'UNE MALADIE RENALE**
[72] COUGHLIN, RICHARD T., US
[72] CARRITHERS, STEPHEN L., US
[72] CARRITHERS, AARON L., US
[72] CARRITHERS, BRENNAN M., US
[71] SEQUELA, INC., US
[85] 2022-07-28
[86] 2021-01-28 (PCT/US2021/015391)
[87] (WO2021/154922)
[30] US (62/968,637) 2020-01-31

[21] **3,169,589**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/08 (2006.01) A61P 9/10 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **PEPTIDE IMMUNOGENS TARGETING PCSK9 AND FORMULATIONS THEREOF FOR PREVENTION AND TREATMENT OF PCSK9-MEDIATED DISORDERS**
[54] **IMMUNOGENES PEPTIDIQUES CIBLANT PCSK9 ET LEURS FORMULATIONS POUR LA PREVENTION ET LE TRAITEMENT DE TROUBLES MEDIES PAR PCSK9**
[72] WANG, CHANG YI, US
[72] LIN, FENG, US
[71] VAXXINITY, INC., US
[85] 2022-07-28
[86] 2021-01-28 (PCT/US2021/015423)
[87] (WO2021/154947)
[30] US (62/966,645) 2020-01-28

Demandes PCT entrant en phase nationale

[21] 3,169,590 [13] A1	[21] 3,169,592 [13] A1	[21] 3,169,594 [13] A1
[51] Int.Cl. H02J 4/00 (2006.01) H02J 13/00 (2006.01)	[51] Int.Cl. C12Q 1/00 (2006.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) C12Q 1/6876 (2018.01)	[51] Int.Cl. A61K 38/21 (2006.01) A61K 39/215 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01) C07K 14/165 (2006.01)
[25] EN	[25] EN	[25] EN
[54] SYSTEM FOR PROVIDING POWERLINE COMMUNICATION OVER FLEXIBLE MESH FOR CIRCUIT DESIGN USED IN BIOMETRIC MONITORING	[54] PLASMONICS SENSING NANOPLATFORMS FOR HUMAN STEM CELL APPLICATIONS AND METHODS THEREOF	[54] TREATMENT OF CORONAVIRUS INFECTION WITH INTERFERON LAMBDA
[54] SYSTEME DESTINE A FOURNIR DES COURANTS PORTEURS EN LIGNE SUR UN MAILLAGE FLEXIBLE POUR UNE CONCEPTION DE CIRCUIT UTILISEE DANS LA SURVEILLANCE BIOMETRIQUE	[54] NANO-PLATEFORMES DE DETECTION PLASMONIQUE POUR DES APPLICATIONS SUR CELLULES SOUCHES HUMAINES ET LEURS PROCEDES	[54] TRAITEMENT D'UNE INFECTION A CORONAVIRUS PAR L'INTERFERON LAMBDA
[72] BOGDANOVICH, PHILLIP, US	[72] VO-DINH, TUAN, US	[72] GLENN, JEFFREY, US
[71] CIPHER SKIN, US	[72] HEBROK, MATTHIAS, US	[72] CHOONG, INGRID, US
[85] 2022-07-28	[72] CRAWFORD, BRIDGET, US	[72] HISLOP, COLIN, US
[86] 2021-01-28 (PCT/US2021/015543)	[72] DE KLERK, ELEONORA, US	[71] EIGER BIOPHARMACEUTICALS, INC., US
[87] (WO2021/155035)	[72] WANG, HSIN-NENG, US	[85] 2022-07-27
[30] US (62/967,105) 2020-01-29	[71] DUKE UNIVERSITY, US	[86] 2021-02-05 (PCT/US2021/016963)
	[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US	[87] (WO2021/159027)
	[85] 2022-07-28	[30] US (62/971,194) 2020-02-06
	[86] 2021-01-29 (PCT/US2021/015676)	[30] US (63/017,614) 2020-04-29
	[87] (WO2021/155122)	[30] US (63/021,552) 2020-05-07
	[30] US (62/967,143) 2020-01-29	[30] US (63/091,881) 2020-10-14
		[30] US (63/093,334) 2020-10-19
[21] 3,169,591 [13] A1	[21] 3,169,593 [13] A1	[21] 3,169,595 [13] A1
[51] Int.Cl. C12N 15/11 (2006.01) C40B 20/04 (2006.01)	[51] Int.Cl. A61M 1/28 (2006.01) A61M 1/16 (2006.01)	[51] Int.Cl. G06Q 50/30 (2012.01) B65D 79/02 (2006.01) B65D 81/18 (2006.01) B65D 81/24 (2006.01) B65D 85/50 (2006.01) B65D 88/12 (2006.01) B65D 88/74 (2006.01) B65D 90/48 (2006.01) F25D 3/06 (2006.01) F25D 11/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] OLIGONUCLEOTIDE ENCODED CHEMICAL LIBRARIES, RELATED SYSTEMS, DEVICES, AND METHODS FOR DETECTING, ANALYZING, QUANTIFYING, AND TESTING BIOLOGICS/GENETICS	[54] TECHNIQUES FOR DETERMINING DIALYSIS PATIENT PROFILES	[54] ACTIVE CONTAINER WITH A DRONE FOR DATA BRIDGING
[54] BIBLIOTHEQUES CHIMIQUES CODEES PAR DES OLIGONUCLEOTIDES, SYSTEMES, DISPOSITIFS ET PROCEDES ASSOCIES POUR LA DETECTION, L'ANALYSE, LA QUANTIFICATION ET LE TEST DE PRODUITS BIOLOGIQUES/GENETIQUES	[54] TECHNIQUES DE DETERMINATION DE PROFILS DE PATIENT DE DIALYSE	[54] RECIPIENT ACTIF AVEC UN DRONE POUR PONTAGE DE DONNEES
[72] VIJAYAN, KANDASWAMY, US	[72] GROBE, NADJA, US	[72] NEELD, JONATHAN, US
[72] MAHAKALKAR, KAPIL, US	[72] KOTANKO, PETER, US	[72] PEPPERWORTH, JEFF, US
[72] ZHANG, YI, US	[72] TAO, XIA, US	[71] DOUBLEDAY ACQUISITIONS LLC, US
[72] MACCONNELL, ANDREW BOYD, US	[72] THIJSSSEN, STEPHAN, US	[85] 2022-07-28
[72] ROKICKI, JOSEPH FRANKLIN, US	[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US	[86] 2020-12-30 (PCT/US2020/067529)
[72] VAN NGUYEN, MICHAEL, US	[85] 2022-07-28	[87] (WO2021/138463)
[71] PLEXIUM, INC., US	[86] 2021-01-29 (PCT/US2021/015696)	[30] US (62/956,815) 2020-01-03
[85] 2022-07-28	[87] (WO2021/155138)	
[86] 2021-01-28 (PCT/US2021/015550)	[30] US (62/967,743) 2020-01-30	
[87] (WO2021/155040)		
[30] US (16/774,871) 2020-01-28		
[30] US (16/870,809) 2020-05-08		

PCT Applications Entering the National Phase

[21] **3,169,596**
[13] A1

[51] **Int.Cl. C12N 5/078 (2010.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **METHODS OF TREATING CANCER**

[54] **METHODES DE TRAITEMENT DU CANCER**

[72] AMIT, IDO, IL

[72] WEINER, ASSAF, IL

[72] KATZENELNBOGEN, YONATAN, IL

[72] YALIN, ADAM, IL

[72] SHEBAN, FADI, IL

[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL

[85] 2022-07-27

[86] 2021-01-28 (PCT/IL2021/050102)

[87] (WO2021/152592)

[30] IL (272390) 2020-01-30

[21] **3,169,597**
[13] A1

[51] **Int.Cl. A61M 1/36 (2006.01)**

[25] EN

[54] **INNOVATIVE DEVICE FOR VASCULAR ACCESS IN A DIALYSIS TREATMENT**

[54] **DISPOSITIF INNOVANT PERMETTANT L'ACCES VASCULAIRE DANS UN TRAITEMENT DE DIALYSE**

[72] FORCELLA, MAURO FAUSTO ANGELO, IT

[71] FORCELLA, MAURO FAUSTO ANGELO, IT

[85] 2022-07-28

[86] 2021-02-10 (PCT/IB2021/051059)

[87] (WO2021/161176)

[30] IT (10202000002707) 2020-02-11

[21] **3,169,598**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G10L 25/51 (2013.01) G10L 25/66 (2013.01) A61B 5/08 (2006.01) G06F 17/18 (2006.01) G10L 15/02 (2006.01)**

[25] EN

[54] **DIAGNOSIS OF MEDICAL CONDITIONS USING VOICE RECORDINGS AND AUSCULTATION**

[54] **DIAGNOSTIC D'ETATS MEDICAUX A L'AIDE D'ENREGISTREMENTS VOCAUX ET D'UNE AUSCULTATION**

[72] SHALLOM, ILAN, IL

[71] CORDIO MEDICAL LTD., IL

[85] 2022-07-28

[86] 2021-02-21 (PCT/IB2021/051459)

[87] (WO2021/176293)

[30] US (16/807,178) 2020-03-03

[21] **3,169,599**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) E21B 41/00 (2006.01) G06N 5/02 (2006.01)**

[25] EN

[54] **OILFIELD DATA FILE CLASSIFICATION AND INFORMATION PROCESSING SYSTEMS**

[54] **SYSTEMES DE CLASSIFICATION DE FICHIERS DE DONNEES DE CHAMP PETROLIFERE ET DE TRAITEMENT D'INFORMATIONS**

[72] GUPTA, SUPRIYA, US

[72] KARNIK, SANIYA, US

[72] SAIER, DAVID, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2022-07-28

[86] 2021-01-19 (PCT/US2021/013958)

[87] (WO2021/154539)

[30] US (62/966,753) 2020-01-28

[30] US (16/890,189) 2020-06-02

[21] **3,169,600**
[13] A1

[51] **Int.Cl. B21D 53/88 (2006.01) B21D 26/033 (2011.01) B21D 22/26 (2006.01) B60R 19/04 (2006.01) B62D 25/20 (2006.01)**

[25] EN

[54] **VEHICLE STRUCTURE**

[54] **STRUCTURE DE VEHICULE**

[72] ISHIZUKA, MASAYUKI, JP

[72] SHIMIZU, SATOSHI, JP

[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP

[85] 2022-07-27

[86] 2020-12-09 (PCT/JP2020/045852)

[87] (WO2021/220546)

[30] JP (2020-078580) 2020-04-27

[21] **3,169,601**
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01)**

[25] EN

[54] **BISPECIFIC ANTIGEN BINDING MOLECULES TARGETING OX40 AND FAP**

[54] **MOLECULES BISPECIFIQUES DE LIAISON A L'ANTIGENE CIBLANT OX40 ET FAP**

[72] AMANN, MARIA, CH

[72] BACHL, JUERGEN PETER, CH

[72] BUJOTZEK, ALEXANDER, DE

[72] CANTRILL, CARINA, CH

[72] DUERR, HARALD, DE

[72] FAIGLE, JANINE, DE

[72] IMHOF-JUNG, SABINE, DE

[72] KLEIN, CHRISTIAN, CH

[72] KRAFT, THOMAS, DE

[72] MARRER-BERGER, ESTELLE, CH

[72] MOESSNER, EKKEHARD, CH

[72] POUSSE, LAURENE, CH

[72] RUEGER, PETRA, DE

[72] SAM, JOHANNES, CH

[72] STAACK, ROLAND, DE

[72] TUERCK, DIETRICH, CH

[72] UMANA, PABLO, CH

[72] ZIELONKA, JOERG, CH

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

[85] 2022-07-28

[86] 2021-03-31 (PCT/EP2021/058435)

[87] (WO2021/198333)

[30] EP (20167624.4) 2020-04-01

Demandes PCT entrant en phase nationale

[21] **3,169,602**
[13] A1

[51] **Int.Cl. A61K 9/48 (2006.01) A61K 35/39 (2015.01) A61K 47/12 (2006.01) A61K 47/36 (2006.01) A61K 47/42 (2017.01) A61P 3/10 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING CAPSULE COMPRISING PANCREATIC ISLET**

[54] **PROCEDE DE PRODUCTION DE CAPSULE CONTENANT DES ILOTS PANCREATIQUES**

[72] AZUMA, KOJI, JP
[72] NISHIMURA, MASUHIRO, JP
[72] IIZUKA, NAHO, JP
[72] TAMURA, HIROFUMI, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP

[85] 2022-07-27
[86] 2021-01-20 (PCT/JP2021/001767)
[87] (WO2021/153365)
[30] JP (2020-011625) 2020-01-28

[21] **3,169,603**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/56 (2006.01)**

[25] EN

[54] **KNOTLESS SOFT TISSUE IMPLANT SYSTEMS AND RELATED METHODS**

[54] **SYSTEMES D'IMPLANT DE TISSUS MOUS SANS NOEUD ET PROCEDES ASSOCIES**

[72] HARTSON, KYLE JAMES, US
[71] PARAGON 28, INC., US

[85] 2022-07-28
[86] 2021-01-29 (PCT/US2021/015709)
[87] (WO2021/155148)
[30] US (62/968,765) 2020-01-31

[21] **3,169,604**
[13] A1

[51] **Int.Cl. A61K 31/343 (2006.01) C07D 307/82 (2006.01) C07H 1/02 (2006.01) C07H 17/04 (2006.01)**

[25] EN

[54] **INTERMEDIATE USEFUL FOR SYNTHESIS OF SGLT INHIBITOR AND METHOD FOR PREPARING SGLT INHIBITOR USING SAME**

[54] **INTERMEDIAIRE UTILE POUR LA SYNTHESE D'UN INHIBITEUR DE SGLT ET PROCEDE DE PREPARATION D'UN INHIBITEUR DE SGLT L'UTILISANT**

[72] YOON, YOUN JUNG, KR
[72] YOON, HEE KYOON, KR
[71] DAEWOONG PHARMACEUTICAL CO., LTD., KR

[85] 2022-07-28
[86] 2021-02-26 (PCT/KR2021/002507)
[87] (WO2021/172955)
[30] KR (10-2020-0024525) 2020-02-27

[21] **3,169,605**
[13] A1

[51] **Int.Cl. A61K 31/4433 (2006.01) A61P 1/16 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **PROPROTEIN CONVERTASE SUBTILISIN/KEXIN TYPE 9 (PCSK9) INHIBITOR AND PHARMACEUTICAL USE THEREFOR**

[54] **INHIBITEUR DE PROPROTEINE CONVERTASE SUBTILISINE/KEXINE DE TYPE 9 (PCSK9) ET SON UTILISATION PHARMACEUTIQUE**

[72] TOMODA, HIROSHI, JP
[72] NAGAMITSU, YOHRU, JP
[72] OMURA, SATOSHI, JP
[72] PARINI, PAOLO, SE
[72] AHMED, OSMAN, SE
[72] PEDRELLI, MATTEO, SE
[72] PRAMFALK, CAMILLA, SE
[72] ERIKSSON, MATS, SE
[71] THE KITASATO INSTITUTE, JP
[71] LIPOPROTEIN RESEARCH STOCKHOLM AB, SE

[85] 2022-07-27
[86] 2021-01-27 (PCT/JP2021/002709)
[87] (WO2021/153570)
[30] JP (2020-011068) 2020-01-27

[21] **3,169,606**
[13] A1

[51] **Int.Cl. C09D 5/08 (2006.01) C09D 7/40 (2018.01) C09D 123/06 (2006.01) C09D 123/12 (2006.01) C09D 191/06 (2006.01)**

[25] EN

[54] **RUST-PREVENTIVE COMPOSITION AND AUTOMOBILE COMPONENT**

[54] **COMPOSITION ANTIROUILLE ET COMPOSANT D'AUTOMOBILE**

[72] UEHARA, YOSHIHIRO, JP
[72] HASEBE, YUYA, JP
[72] MIMATA, YOSHISUKE, JP
[72] KATAOKA, TOSHIHISA, JP
[72] SUDOU, TAKAHISA, JP
[72] NAKAMURA, MASAHIRO, JP
[71] NIHON PARKERIZING CO., LTD., JP
[71] TOYOTO JIDOSHA KABUSHIKI KAISHA, JP

[85] 2022-07-27
[86] 2021-01-27 (PCT/JP2021/002798)
[87] (WO2021/153601)
[30] JP (2020-014688) 2020-01-31

[21] **3,169,607**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 33/18 (2006.01) A61K 45/06 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **IODINE COMPOUNDS FOR TREATING RESPIRATORY PATHOGENS**

[54] **COMPOSES IODE POUR LE TRAITEMENT DE PATHOGENES RESPIRATOIRES**

[72] FARB, MARK DANIEL, US
[71] IOCURE, INC., US

[85] 2022-07-28
[86] 2021-03-23 (PCT/US2021/023574)
[87] (WO2021/195017)
[30] US (62/993,085) 2020-03-23
[30] US (63/026,122) 2020-05-17
[30] IL (275909) 2020-07-07

PCT Applications Entering the National Phase

[21] **3,169,608**
[13] A1

[51] **Int.Cl. F16L 53/37 (2018.01) H02J 3/00 (2006.01) H02J 3/18 (2006.01) H02J 3/22 (2006.01)**

[25] EN

[54] **HIGH VOLTAGE AC TRANSMISSION SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE TRANSMISSION CA HAUTE-TENSION**

[72] OHMA, HAVAR FORSELL, NO

[72] BJERKNES, OLE JOHAN, NO

[72] STRAND, BJORN ERIK, NO

[71] AKER SOLUTIONS AS, NO

[85] 2022-07-27

[86] 2021-01-29 (PCT/NO2021/050029)

[87] (WO2021/154092)

[30] GB (2001259.7) 2020-01-30

[30] GB (2001260.5) 2020-01-30

[21] **3,169,609**
[13] A1

[51] **Int.Cl. G01N 33/00 (2006.01) G01N 33/24 (2006.01)**

[25] EN

[54] **SYSTEM FOR DETECTING THE CONCENTRATION OF GASES IN SOIL**

[54] **SYSTEME DE DETECTION DE LA CONCENTRATION DE PLUSIEURS GAZ DANS UN SOL**

[72] HERRING, JAMISON WAYNE, US

[71] HERRING, JAMISON WAYNE, US

[85] 2022-07-28

[86] 2021-01-29 (PCT/US2021/015785)

[87] (WO2021/155204)

[30] US (62/968,366) 2020-01-31

[21] **3,169,610**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/79 (2006.01)**

[25] EN

[54] **NOVEL CHIMERIC ANTIGEN RECEPTOR AND USE THEREOF**

[54] **NOUVEAU RECEPTEUR ANTIGENIQUE CHIMERIQUE ET UTILISATION ASSOCIEE**

[72] ZHOU, YALI, CN

[72] WU, CHANGSHUN, CN

[72] JIANG, XIAOYAN, CN

[72] CHEN, GONG, CN

[71] NANJING BIOHENG BIOTECH CO., LTD, CN

[85] 2022-07-28

[86] 2021-02-24 (PCT/CN2021/077580)

[87] (WO2021/169977)

[30] CN (202010128134.7) 2020-02-28

[21] **3,169,611**
[13] A1

[51] **Int.Cl. A23K 10/18 (2016.01) A23K 40/30 (2016.01) A23K 50/10 (2016.01) A23K 50/20 (2016.01) A23K 50/60 (2016.01) C12N 1/04 (2006.01)**

[25] EN

[54] **PROBIOTIC FORMULATION AND DELIVERY**

[54] **FORMULATION PROBIOTIQUE ET SON ADMINISTRATION**

[72] KLIEVE, ATHOL VICTOR, AU

[72] SOULSBY, FIONA EILEEN, AU

[72] BELL, ROBERT JAMES, AU

[72] CAMPBELL, LACHLAN IAN, AU

[72] DANGERFIELD, JOHN AUSTIN, SG

[71] PROAGNI PTY LTD, AU

[71] AUSTRIANOVA SINGAPORE PTE LTD, SG

[85] 2022-07-29

[86] 2021-01-29 (PCT/AU2021/050064)

[87] (WO2021/151161)

[30] AU (2020900269) 2020-01-31

[30] GB (2001381.9) 2020-01-31

[21] **3,169,612**
[13] A1

[51] **Int.Cl. B22D 11/115 (2006.01) B22D 11/049 (2006.01) B22D 27/02 (2006.01)**

[25] EN

[54] **MOLD CORNER HEATING DURING CASTING**

[54] **CHAUFFAGE D'ANGLE DE MOULE PENDANT LA COULEE**

[72] OPDENDRIES, BRENT, US

[72] WAGSTAFF, ROBERT BRUCE, US

[72] PARDESHI, RAVINDRA TARACHAND, US

[72] WAGSTAFF, SAMUEL ROBERT, US

[71] NOVELIS INC., US

[85] 2022-07-29

[86] 2021-02-26 (PCT/US2021/070201)

[87] (WO2021/189067)

[30] US (62/992,610) 2020-03-20

[21] **3,169,614**
[13] A1

[51] **Int.Cl. A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **PARTIAL KNEE IMPLANTS AND METHODS FOR INSTALLING THE SAME**

[54] **IMPLANTS DE GENOU PARTIELS ET LEURS METHODES D'INSTALLATION**

[72] AXELSON, STUART L., US

[72] ROMANOV, VASILY, US

[72] PATEL, RACHEL, US

[72] LA ROSA, ANTHONY J., US

[72] MENEGHINI, ROBERT MICHAEL, US

[72] SPORER, SCOTT, US

[72] TAUNTON, MICHAEL, US

[72] BROWNE, JAMES, US

[72] KIM, RAYMOND, US

[72] JANKIEWICZ, JOSEPH, US

[72] MCBRIDE, MARK, US

[72] PALUMBO, BRIAN T., US

[72] BRADLEY, MICHAEL PATRICK, US

[71] ENCORE MEDICAL, L.P. (D/B/A DJO SURGICAL), US

[85] 2022-07-28

[86] 2021-02-01 (PCT/US2021/016082)

[87] (WO2021/158484)

[30] US (62/970,621) 2020-02-05

[30] US (62/706,370) 2020-08-12

Demandes PCT entrant en phase nationale

[21] 3,169,615 [13] A1	[21] 3,169,618 [13] A1	[21] 3,169,621 [13] A1
[51] Int.Cl. G01L 5/102 (2020.01) G01L 5/101 (2020.01) G01M 5/00 (2006.01)	[51] Int.Cl. C22B 34/22 (2006.01) C01G 31/00 (2006.01)	[51] Int.Cl. B22D 7/12 (2006.01) B22D 27/04 (2006.01) B22D 11/049 (2006.01) B22D 11/112 (2006.01) B22D 11/22 (2006.01)
[25] EN	[25] EN	[25] EN
[54] SENSOR-ENABLED SYSTEM AND METHOD FOR MONITORING THE HEALTH, CONDITION, AND/OR STATUS OF INFRASTRUCTURE	[54] RECOVERY OF VANADIUM FROM ALKALINE SLAG MATERIALS	[54] METHOD OF CONTROLLING THE SHAPE OF AN INGOT HEAD
[54] SYSTEME ACTIVE PAR CAPTEUR ET PROCEDE DE SURVEILLANCE DE LA DEGRADATION, DE LA CONDITION ET/OU DE L'ETAT D'UNE INFRASTRUCTURE	[54] RECUPERATION DE VANADIUM A PARTIR DE SCORIES ALCALINES	[54] PROCEDE DE COMMANDE DE LA FORME D'UNE TETE DE LINGOT
[72] CAVANAUGH, JOSEPH, US	[72] ROBINSON, DAVID, AU	[72] BISCHOFF, TODD F., US
[72] HAMMOND, MATTHEW, US	[72] URBANI, MARK DANIEL, AU	[72] WILSON, PHILLIP, US
[72] WALLACE, JOHN, US	[71] AVANTI MATERIALS LTD, AU	[72] MCCALLUM, JOHN ROBERT BUSTER, US
[71] TENSAR INTERNATIONAL CORPORATION, US	[85] 2022-07-29	[72] SINDEN, AARON DAVID, US
[85] 2022-07-28	[86] 2021-02-05 (PCT/AU2021/050094)	[72] OPDENDRIES, BRENT, US
[86] 2021-02-01 (PCT/US2021/016061)	[87] (WO2021/155441)	[72] HYMAS, JASON DELL, US
[87] (WO2021/155358)	[30] AU (2020900347) 2020-02-07	[71] NOVELIS INC., US
[30] US (62/967,733) 2020-01-30	[30] AU (2020900699) 2020-03-06	[85] 2022-07-29
[30] US (62/967,736) 2020-01-30	[30] AU (2020902038) 2020-06-19	[86] 2021-03-25 (PCT/US2021/024152)
[30] US (63/030,485) 2020-05-27	[30] AU (2020904441) 2020-11-30	[87] (WO2021/195379)
		[30] US (63/000,058) 2020-03-26
	[21] 3,169,620 [13] A1	
	[51] Int.Cl. E03B 7/04 (2006.01) E03B 7/07 (2006.01) E03C 1/05 (2006.01)	[21] 3,169,622 [13] A1
	[25] EN	[51] Int.Cl. C22F 3/00 (2006.01) B23K 26/352 (2014.01) B23K 26/354 (2014.01) C23C 22/00 (2006.01)
	[54] A WATER SUPPLY SYSTEM	[25] EN
	[54] SYSTEME D'ALIMENTATION EN EAU	[54] METAL ALLOY SURFACE MODIFICATION METHODS AND RELATED METAL ALLOY PRODUCTS WITH IMPROVED BOND DURABILITY
	[72] GELLERT, JIMMI, DK	[54] PROCEDES DE MODIFICATION DE SURFACE D'ALLIAGE METALLIQUE ET DE PRODUITS EN ALLIAGE METALLIQUE ASSOCIES PRESENTANT UNE DURABILITE DE LIAISON AMELIOREE
	[71] AQUA MANAGER APS, DK	[72] MANAVBASI, ALP, US
	[85] 2022-07-29	[72] BUCKINGHAM, STEPHEN, US
	[86] 2021-01-28 (PCT/EP2021/052022)	[72] WALCZAK, BRIAN MATTHEW, US
	[87] (WO2021/152036)	[72] BECK, THOMAS, US
	[30] EP (20154796.5) 2020-01-31	[72] MACFARLANE, THERESA ELIZABETH, US
	[30] EP (20201133.4) 2020-10-09	[72] CUMARANATUNGE, LASITHA, US
[21] 3,169,616 [13] A1		[72] WAGSTAFF, SAMUEL ROBERT, US
[51] Int.Cl. F27D 27/00 (2010.01) B01F 33/451 (2022.01) F04B 15/04 (2006.01) F27D 3/14 (2006.01) B22D 35/00 (2006.01)		[72] HO, JOHN MIN, US
[25] EN		[71] NOVELIS INC., US
[54] MULTI-PURPOSE PUMP SYSTEM FOR A METAL FURNACE AND RELATED METHODS		[85] 2022-07-29
[54] SYSTEME DE POMPE POLYVALENT POUR UN FOUR METALLIQUE ET PROCEDES ASSOCIES		[86] 2021-02-18 (PCT/US2021/018504)
[72] OPDENDRIES, BRENT, US		[87] (WO2021/168068)
[72] PARDESHI, RAVINDRA TARACHAND, US		[30] US (62/978,767) 2020-02-19
[72] JACKSON, SEAN, US		[30] US (62/984,555) 2020-03-03
[71] NOVELIS INC., US		[30] US (62/993,365) 2020-03-23
[85] 2022-07-29		
[86] 2021-02-16 (PCT/US2021/070157)		
[87] (WO2021/174241)		
[30] US (62/981,282) 2020-02-25		

PCT Applications Entering the National Phase

[21] **3,169,624**
[13] A1

[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/27 (2006.01) A61K 8/34 (2006.01) A61K 8/42 (2006.01) A61K 8/44 (2006.01) A61K 8/49 (2006.01) A61K 8/64 (2006.01) A61K 8/67 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL CARE COMPOSITIONS FOR GUM HEALTH**

[54] **COMPOSITIONS DE SOIN BUCCAL POUR LA SANTE DE LA GENCIVE**

[72] BASCOM, CHARLES CARSON, US

[72] BIESBROCK, AARON REED, US

[72] ISFORT, ROBERT JOSEPH, US

[72] KLUKOWSKA, MALGORZATA, US

[72] SHI, YUNMING, CN

[72] STRAND, ROSS, SG

[72] TASSEFF, RYAN, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2022-07-28

[86] 2021-02-26 (PCT/CN2021/078039)

[87] (WO2021/170064)

[30] CN (PCT/CN2020/076760) 2020-02-26

[21] **3,169,625**
[13] A1

[51] **Int.Cl. C07K 14/745 (2006.01) C12N 5/0783 (2010.01) C07K 1/22 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 16/36 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **CHROMATOGRAPHY RESIN AND USES THEREOF**

[54] **RESINE DE CHROMATOGRAPHIE ET UTILISATIONS ASSOCIEES**

[72] WONG, HING C., US

[72] JIAO, JIN-AN, US

[72] PRENDES, CAITLIN, US

[71] HCW BIOLOGICS, INC., US

[85] 2022-07-29

[86] 2021-02-11 (PCT/US2021/017621)

[87] (WO2021/163299)

[30] US (62/975,141) 2020-02-11

[30] US (62/982,002) 2020-02-26

[21] **3,169,626**
[13] A1

[51] **Int.Cl. A61P 1/00 (2006.01) A61P 11/00 (2006.01) A61P 37/06 (2006.01) C07K 16/22 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**

[25] EN

[54] **INFORM-SELECTIVE ANTI-TGF-BETA ANTIBODIES AND METHODS OF USE**

[54] **ANTICORPS ANTI-TGF-BETA SELECTIFS D'ISOFORME ET PROCEDES D'UTILISATION**

[72] LIANG, WEI-CHING, US

[72] ARRON, JOSEPH R., US

[72] DEPIANTO, DARYLE, US

[72] HALPERN, WENDY GREEN, US

[72] LIN, WEIYU, US

[72] LUPARDUS, PATRICK J., US

[72] RAMALINGAM, THIRUMALAI RAJAN, US

[72] SESHASAYEE, DHAYA, US

[72] SUN, TIANHE, US

[72] TYAGI, TULIKA, US

[72] WU, JIA, US

[72] WU, YAN, US

[72] YIN, JIAN PING, US

[71] GENENTECH, INC., US

[85] 2022-07-28

[86] 2021-03-18 (PCT/US2021/022870)

[87] (WO2021/188749)

[30] US (62/991,806) 2020-03-19

[30] US (63/044,478) 2020-06-26

[21] **3,169,627**
[13] A1

[51] **Int.Cl. H01L 45/00 (2006.01)**

[25] EN

[54] **COMPLEX OXIDE MEMRISTIVE MATERIAL, MEMRISTOR COMPRISING SUCH MATERIAL, AND FABRICATION THEREOF**

[54] **MATERIAU MEMRISTIF A BASE D'OXYDE COMPLEXE, MEMRISTANCE COMPRENANT UN TEL MATERIAU, ET SA FABRICATION**

[72] PATURI, PETRIINA, FI

[72] SCHULMAN, ALEJANDRO, FI

[72] HUHTINEN, HANNU, FI

[72] LAHTEENLAHTI, VILLE, FI

[72] BEIRANVAND, AZAR, FI

[71] TURUN YLIOPISTO, FI

[85] 2022-07-28

[86] 2021-01-29 (PCT/FI2021/050057)

[87] (WO2021/152215)

[30] FI (20205101) 2020-01-31

[21] **3,169,628**
[13] A1

[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/00 (2006.01) A61B 5/021 (2006.01)**

[25] EN

[54] **THERAPY SCORING FOR HEMODYNAMIC CONDITIONS**

[54] **NOTATION DE THERAPIE POUR DES CONDITIONS HEMODYNAMIQUES**

[72] SMITH, RACHEL JUNE, US

[72] JIAN, ZHONGPING, US

[72] AL HATIB, FERAS, US

[72] MARINO, ANDREW, US

[72] BUDDI, SAI PRASAD, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2022-07-29

[86] 2021-01-08 (PCT/US2021/012788)

[87] (WO2021/173236)

[30] US (62/980,585) 2020-02-24

[21] **3,169,629**
[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01)**

[25] EN

[54] **SYSTEM, METHOD AND COMPUTER PROGRAM FOR INGESTING, PROCESSING, STORING, AND SEARCHING TECHNOLOGY ASSET DATA**

[54] **SYSTEME, PROCEDE ET PROGRAMME INFORMATIQUE DESTINES A L'INGESTION, AU TRAITEMENT, AU STOCKAGE ET A LA RECHERCHE DE DONNEES D'ACTIF TECHNOLOGIQUE**

[72] PARKER, THOMAS W., US

[71] HUBBLE TECHNOLOGY INC., US

[85] 2022-07-29

[86] 2021-02-09 (PCT/US2021/017255)

[87] (WO2021/159121)

[30] US (62/972,006) 2020-02-09

Demandes PCT entrant en phase nationale

[21] **3,169,630**
[13] A1

[51] **Int.Cl. C12N 9/02 (2006.01) C12N 15/53 (2006.01) C12P 7/22 (2006.01) C12P 33/06 (2006.01) C12Q 1/26 (2006.01)**

[25] EN

[54] **P450 BM3 MONOOXYGENASE VARIANTS FOR C19-HYDROXYLATION OF STEROIDS**

[54] **VARIANTS DE LA MONO-OXYGENASE P450 BM3 POUR L'HYDROXYLATION EN C19 DE STEROIDES**

[72] KENSCH, OLIVER, DE

[72] THEDE, KAI, DE

[72] HELFRICH, PETRA, DE

[72] SKALDEN, LILLY, DE

[72] ZORN, LUDWIG, DE

[72] TRENNER, SABINE, DE

[72] BURMEISTER, JENS, DE

[72] KRETSCHMANN, NILS, DE

[72] RICHTER, FLORIAN, DE

[72] COCO, WAYNE, DE

[72] LUDWIG, MARCUS, DE

[72] BULUT, DALIA, DE

[72] BERENDES, FRANK, DE

[72] PILLING, JENS, DE

[72] WAGNER, JAKOB, DE

[72] LINNHOFF, RUBEN, DE

[71] BAYER AKTIENGESELLSCHAFT, DE

[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE

[85] 2022-07-29

[86] 2021-02-01 (PCT/EP2021/052295)

[87] (WO2021/156200)

[30] EP (20155122.3) 2020-02-03

[21] **3,169,631**
[13] A1

[51] **Int.Cl. A61B 17/11 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**

[25] EN

[54] **SHUNT SYSTEMS AND METHODS WITH TISSUE GROWTH PREVENTION**

[54] **SYSTEMES ET PROCEDES DE SHUNT AVEC PREVENTION DE LA CROISSANCE TISSULAIRE**

[72] GUTIERREZ, TARANNUM ISHAQ, US

[72] THAI, LINDA, US

[72] VANEVERY, ZACHARY CHARLES, US

[72] TAUZ, DENIS, US

[72] RICKERSON, COOPER RYAN, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2022-07-28

[86] 2021-02-02 (PCT/US2021/016142)

[87] (WO2021/162888)

[30] US (62/975,024) 2020-02-11

[21] **3,169,632**
[13] A1

[51] **Int.Cl. B05D 1/26 (2006.01) B05C 1/06 (2006.01) B05D 5/00 (2006.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR APPLYING A FRAGRANCE OR MALODOR CONTROL AGENT TO A PLASTIC WEB**

[54] **SYSTEME ET PROCEDE D'APPLICATION D'UN PARFUM OU D'UN AGENT DE LUTTE CONTRE LES MAUVAISES ODEURS SUR UNE BANDE DE PLASTIQUE**

[72] MORAS, WAYNE, US

[72] PATEL, ASMIN, US

[71] MORAS, WAYNE, US

[71] PATEL, ASMIN, US

[85] 2022-07-29

[86] 2021-01-15 (PCT/US2021/013553)

[87] (WO2021/154513)

[21] **3,169,635**
[13] A1

[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/178 (2019.01) G06F 16/182 (2019.01) G06F 16/23 (2019.01)**

[25] EN

[54] **SELECTIVE SYNCHRONIZATION OF DATABASE OBJECTS**

[54] **SYNCHRONISATION SELECTIVE D'OBJETS DE BASE DE DONNEES**

[72] POLISETTY, RAVINDRA V, US

[71] GRAVITY INC., US

[85] 2022-07-29

[86] 2021-02-03 (PCT/US2021/016484)

[87] (WO2021/158710)

[30] US (62/970,163) 2020-02-04

[30] US (17/167,014) 2021-02-03

[21] **3,169,636**
[13] A1

[51] **Int.Cl. A01H 5/00 (2018.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR MULTIPLEXED EDITING OF PLANT CELL GENOMES**

[54] **PROCEDES ET COMPOSITIONS POUR L'EDITION MULTIPLEXEE DE GENOMES DE CELLULES VEGETALES**

[72] CHILCOAT, NICHOLAS DOANE, US

[72] EVANS, JOSEPH, US

[72] JIA, YI, US

[72] RODGERS-MELNICK, ELI, US

[72] YOUNG, JOSHUA K., US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[85] 2022-07-28

[86] 2021-02-03 (PCT/US2021/016353)

[87] (WO2021/162909)

[30] US (62/972,901) 2020-02-11

PCT Applications Entering the National Phase

[21] **3,169,638**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR THE INJECTION OF VISCOUS FLUIDS**

[54] **SYSTEMES ET PROCEDES POUR L'INJECTION DE FLUIDES VISQUEUX**

[72] VARANASI, KRIPA, K., US

[72] JAYAPRAKASH, VISHNU, US

[72] COSTALONGA, MAXIME, GB

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2022-07-29

[86] 2021-01-28 (PCT/US2021/015397)

[87] (WO2021/154927)

[30] US (62/967,239) 2020-01-29

[21] **3,169,639**
[13] A1

[51] **Int.Cl. H04L 9/08 (2006.01) G06F 21/00 (2013.01) G06N 3/12 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **INFORMATION THEORY GENOMICS-ENABLED HYPER-SCALABILITY**

[54] **HYPER-EVOLUTIVITE FAISANT APPEL A LA GENOMIQUE DE LA THEORIE DE L'INFORMATION**

[72] JOHNSON, WILLIAM C., US

[72] KHACHATRYAN, GURGEN, US

[72] ISPIRYAN, KAREN, US

[71] QUANTUM DIGITAL SOLUTIONS CORPORATION, US

[85] 2022-07-28

[86] 2021-02-04 (PCT/US2021/016617)

[87] (WO2021/158791)

[30] US (62/970,304) 2020-02-05

[21] **3,169,641**
[13] A1

[51] **Int.Cl. F24F 11/00 (2018.01) F24F 11/56 (2018.01) F24F 13/00 (2006.01)**

[25] EN

[54] **AIRSTREAM SENSOR DEVICES, SYSTEMS AND METHODS**

[54] **DISPOSITIFS DE CAPTEURS DE COURANTS D'AIR, SYSTEMES ET PROCEDES**

[72] URBANIAK, MICHAEL J., US

[72] DOUGAN, DAVID S., US

[72] DEANGELIS, DARRYL W., US

[71] EBTRON INC., US

[85] 2022-07-29

[86] 2021-02-03 (PCT/US2021/016372)

[87] (WO2021/158630)

[30] US (62/969,374) 2020-02-03

[21] **3,169,642**
[13] A1

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING ACCESS TO RESOURCES IN A MULTICOMPUTER NETWORK**

[54] **SYSTEME ET PROCEDE DE COMMANDE D'ACCES A DES RESSOURCES DANS UN RESEAU A ORDINATEURS MULTIPLES**

[72] GELFOND, ROBERT, US

[72] NOWOTARSKI, MARK S., US

[71] GELFOND, ROBERT, US

[85] 2022-07-28

[86] 2021-02-05 (PCT/US2021/016696)

[87] (WO2021/167800)

[30] US (16/795,690) 2020-02-20

[30] US (16/946,177) 2020-06-09

[30] US (16/948,948) 2020-10-07

[21] **3,169,645**
[13] A1

[51] **Int.Cl. A61F 2/958 (2013.01) A61F 2/24 (2006.01) A61M 25/10 (2013.01)**

[25] EN

[54] **DILATION DEVICES, SYSTEMS, AND METHODS FOR IMPLANTS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DILATATION POUR IMPLANTS**

[72] GOLDBERG, ERAN, IL

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2022-07-28

[86] 2021-02-05 (PCT/US2021/016736)

[87] (WO2021/158863)

[30] US (62/971,086) 2020-02-06

[21] **3,169,646**
[13] A1

[51] **Int.Cl. B65D 1/28 (2006.01) B29C 51/14 (2006.01) B32B 27/00 (2006.01) B32B 27/06 (2006.01) B32B 27/32 (2006.01) B32B 27/36 (2006.01)**

[25] EN

[54] **LAMINATE CONTAINER RECIPIENT STRATIFIE**

[72] EICKHOFF, JONATHAN, US

[72] WATERMAN, JARED BRUCE, US

[72] MANN, JEFFREY A., US

[72] DEWIG, RYAN, US

[72] GILLESPIE, BRYAN, US

[71] BERRY GLOBAL, INC., US

[85] 2022-07-28

[86] 2021-02-08 (PCT/US2021/017103)

[87] (WO2021/159085)

[30] US (62/971,553) 2020-02-07

[21] **3,169,648**
[13] A1

[51] **Int.Cl. B29C 64/124 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/386 (2017.01) C12M 1/00 (2006.01) C12M 3/00 (2006.01)**

[25] EN

[54] **PLATFORM, SYSTEMS, AND DEVICES FOR 3D PRINTING**

[54] **PLATEFORME, SYSTEMES ET DISPOSITIFS POUR L'IMPRESION EN TROIS DIMENSIONS (3D)**

[72] LLAMAZARES, JUAN FRANCISCO, US

[72] CAMPANELLI, IGNACIO HECTOR, US

[72] CORTI, GASTON OSCAR, US

[72] HOSS, EMILIANO, US

[71] STAMM VEGH CORPORATION, US

[85] 2022-07-29

[86] 2021-02-02 (PCT/US2021/016187)

[87] (WO2021/158529)

[30] US (62/969,434) 2020-02-03

[30] US (63/010,405) 2020-04-15

Demandes PCT entrant en phase nationale

[21] **3,169,649**
[13] A1

[51] **Int.Cl. C12N 9/12 (2006.01) A61K 31/4965 (2006.01) A61K 31/497 (2006.01) A61K 31/519 (2006.01) A61P 7/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **STRAD-BINDING AGENTS AND USES THEREOF**

[54] **AGENTS DE LIAISON A STRAD ET LEURS UTILISATIONS**

[72] GORDAN, JOHN, US

[72] MITCHELL, DOMINIQUE, US

[72] BERESIS, RICHARD, US

[72] ADLER, MARC, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[71] SHANGPHARMA INNOVATION INC., US

[85] 2022-07-29

[86] 2021-01-28 (PCT/US2021/015503)

[87] (WO2021/155004)

[30] US (62/967,811) 2020-01-30

[30] US (63/028,242) 2020-05-21

[21] **3,169,650**
[13] A1

[51] **Int.Cl. B64C 27/22 (2006.01) B64C 5/02 (2006.01) B64C 5/06 (2006.01) B64C 5/08 (2006.01) B64C 27/28 (2006.01) B64C 27/32 (2006.01)**

[25] EN

[54] **AIRCRAFT WITH PUSHER PROPELLER**

[54] **AVION DOTE D'UNE HELICE PROPULSIVE**

[72] TIGHE, JAMES JOSEPH, US

[72] TZARNOTZY, URI, US

[72] LONG, GEOFFREY ALAN, US

[71] WISK AERO LLC, US

[85] 2022-07-28

[86] 2021-02-10 (PCT/US2021/017497)

[87] (WO2021/201991)

[30] US (62/972,528) 2020-02-10

[21] **3,169,651**
[13] A1

[51] **Int.Cl. G01R 31/382 (2019.01) G01R 31/3828 (2019.01) G01R 31/389 (2019.01) H02J 7/00 (2006.01)**

[25] EN

[54] **REAL-TIME BATTERY FAULT DETECTION AND STATE-OF-HEALTH MONITORING**

[54] **DETECTION DE DEFAUT DE BATTERIE EN TEMPS REEL ET SURVEILLANCE D'ETAT DE SANTE**

[72] HOM, LEWIS ROMEO, US

[71] WISK AERO LLC, US

[85] 2022-07-28

[86] 2021-03-10 (PCT/US2021/021709)

[87] (WO2021/183648)

[30] US (62/988,853) 2020-03-12

[30] US (17/196,848) 2021-03-09

[21] **3,169,652**
[13] A1

[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/27 (2006.01) A61K 8/34 (2006.01) A61K 8/42 (2006.01) A61K 8/44 (2006.01) A61K 8/49 (2006.01) A61K 8/64 (2006.01) A61K 8/67 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL CARE COMPOSITIONS FOR GUM HEALTH**

[54] **COMPOSITIONS DE SOINS BUCCODENTAIRES POUR FAVORISER LA SANTE DES GENCIVES**

[72] BASCOM, CHARLES CARSON, US

[72] BIESBROCK, AARON REED, US

[72] ISFORT, ROBERT JOSEPH, US

[72] KLUKOWSKA, MALGORZATA, US

[72] SHI, YUNMING, CN

[72] STRAND, ROSS, SG

[72] TASSEFF, RYAN, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2022-07-28

[86] 2021-02-26 (PCT/CN2021/078040)

[87] (WO2021/170065)

[30] CN (PCT/CN2020/076797) 2020-02-26

[21] **3,169,653**
[13] A1

[51] **Int.Cl. G05D 23/00 (2006.01) F24F 11/80 (2018.01)**

[25] EN

[54] **TEMPERATURE REGULATION BASED ON THERMAL IMAGING**

[54] **REGULATION DE TEMPERATURE BASEE SUR L'IMAGERIE THERMIQUE**

[72] SHAYNE, ETHAN, US

[72] MADDEN, DONALD GERARD, US

[71] OBJECTVIDEO LABS, LLC, US

[85] 2022-07-29

[86] 2021-02-01 (PCT/US2021/016073)

[87] (WO2021/155366)

[30] US (62/968,420) 2020-01-31

[21] **3,169,655**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/04 (2006.01) E21B 47/022 (2012.01) E21B 47/12 (2012.01)**

[25] EN

[54] **DRILLING MODE SEQUENCE CONTROL**

[54] **COMMANDE DE SEQUENCE DE MODE DE FORAGE**

[72] CHEN, WEI, US

[72] CHEN, RONGBING, CN

[72] ZHANG, ZHENGXIN, US

[72] SHEN, YUELIN, US

[72] JOHNSTON, LUCIAN, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2022-07-29

[86] 2021-01-29 (PCT/US2021/015612)

[87] (WO2021/155086)

[30] US (16/776,401) 2020-01-29

PCT Applications Entering the National Phase

[21] **3,169,656**
[13] A1

[51] **Int.Cl. C12N 15/867 (2006.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**

[25] EN

[54] **ENGINEERED IMMUNE CELL AND USE THEREOF**

[54] **CELLULE IMMUNITAIRE MODIFIEE ET SON UTILISATION**

[72] XING, YUN, CN
[72] YAN, ZHONGHUI, CN
[72] XIONG, YING, CN
[72] PU, RONGRONG, CN
[72] REN, JIANGTAO, CN
[72] HE, XIAOHONG, CN
[72] WANG, YANBIN, CN
[72] HAN, LU, CN
[71] NANJING BIOHENG BIOTECH CO., LTD, CN

[85] 2022-07-28
[86] 2021-05-24 (PCT/CN2021/095556)
[87] (WO2021/238877)
[30] CN (202010460730.5) 2020-05-27
[30] CN (202010550754.X) 2020-06-16

[21] **3,169,658**
[13] A1

[51] **Int.Cl. H01R 13/02 (2006.01) H01R 13/453 (2006.01) H01R 13/64 (2006.01) H01R 24/78 (2011.01) H01R 4/48 (2006.01) H01R 11/09 (2006.01) H01R 13/504 (2006.01)**

[25] EN

[54] **ELECTRICAL CABLE CONNECTING SYSTEM**

[54] **SYSTEME DE CONNEXION DE CABLE ELECTRIQUE**

[72] CROSIER, MARK DAVID, GB
[71] CROSIER, MARK DAVID, GB

[85] 2022-07-29
[86] 2021-02-01 (PCT/IB2021/050790)
[87] (WO2021/152565)
[30] US (62/969,042) 2020-02-01

[21] **3,169,659**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) B04B 1/00 (2006.01) C12M 1/26 (2006.01) C12M 3/00 (2006.01) C12N 1/02 (2006.01) C12Q 1/24 (2006.01)**

[25] EN

[54] **CENTRIFUGE SYSTEM FOR SEPARATING CELLS IN SUSPENSION**

[54] **SYSTEME CENTRIFUGE POUR SEPARER DES CELLULES EN SUSPENSION**

[72] KESSLER, S., US
[72] MARRO, T., US
[71] PNEUMATIC SCALE CORPORATION, US

[85] 2022-07-28
[86] 2021-03-17 (PCT/US2021/022739)
[87] (WO2021/188655)
[30] US (62/991,820) 2020-03-19

[21] **3,169,661**
[13] A1

[51] **Int.Cl. A61K 47/68 (2017.01) A61K 31/454 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **ANTI-CD30 ANTIBODY-DRUG CONJUGATES AND THEIR USE FOR THE TREATMENT OF NON-HODGKIN LYMPHOMA**

[54] **CONJUGUES MEDICAMENT-ANTICORPS ANTI-CD30 ET LEUR UTILISATION POUR LE TRAITEMENT D'UN LYMPHOME NON HODGKINIEN**

[72] SIMS, ROBERT BROWNELL, US
[72] BARTLETT, NANCY L., US
[71] CELGENE CORPORATION, US
[71] SEAGEN INC., US

[85] 2022-07-29
[86] 2021-01-29 (PCT/US2021/015685)
[87] (WO2021/155129)
[30] US (62/968,808) 2020-01-31

[21] **3,169,663**
[13] A1

[51] **Int.Cl. B65B 9/04 (2006.01) B65B 29/02 (2006.01)**

[25] EN

[54] **METHOD AND PACKAGING MACHINE FOR MANUFACTURING A COMPOSTABLE POD FOR BREWING PRODUCTS**

[54] **PROCEDE ET MACHINE DE CONDITIONNEMENT PERMETTANT DE FABRIQUER UNE DOSETTE COMPOSTABLE POUR DES PRODUITS D'INFUSION**

[72] MAGNANI, FRANCO, IT
[72] MAINI, MASSIMILIANO, IT
[71] SOCIETE DES PRODUITS NESTLE S.A., CH

[85] 2022-07-29
[86] 2021-01-28 (PCT/IB2021/050654)
[87] (WO2021/161121)
[30] IT (102020000002533) 2020-02-10

[21] **3,169,664**
[13] A1

[51] **Int.Cl. A61K 31/7105 (2006.01) A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61P 31/14 (2006.01) C07K 14/135 (2006.01) C12N 15/44 (2006.01)**

[25] EN

[54] **RESPIRATORY VIRUS IMMUNIZING COMPOSITIONS**

[54] **COMPOSITIONS D'IMMUNISATION CONTRE LE VIRUS RESPIRATOIRE**

[72] SHAW, CHRISTINE, US
[72] NARAYANAN, ELISABETH, US
[72] PRESNYAK, VLADIMIR, US
[72] ELBASHIR, SAYDA, MAHGOUB, US
[72] STEWART-JONES, GUILLAUME, US
[71] MODERNATX, INC., US

[85] 2022-07-29
[86] 2021-01-29 (PCT/US2021/015840)
[87] (WO2021/155243)
[30] US (62/967,888) 2020-01-30

Demandes PCT entrant en phase nationale

[21] **3,169,665**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/155 (2006.01) A61K 31/70 (2006.01) A61P 5/50 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING DAPAGLIFLOZIN**

[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE LA DAPAGLIFLOZINE**

[72] KACZMAREK, MATEUSZ, PL

[72] PRZERADA, SZYMON, PL

[72] HRAKOVSKY, JULIA, PL

[72] DZIK, JAKUB, PL

[71] ZAKLADY FARMACEUTYCZNE POLPHARMA S.A., PL

[85] 2022-07-29

[86] 2021-02-17 (PCT/EP2021/053880)

[87] (WO2021/165316)

[30] EP (EP20460013) 2020-02-21

[21] **3,169,666**
[13] A1

[51] **Int.Cl. H01M 8/04029 (2016.01) C09K 5/10 (2006.01)**

[25] EN

[54] **HEAT-TRANSFER FLUID WITH LOW CONDUCTIVITY COMPRISING AN AMIDE INHIBITOR, METHODS FOR ITS PREPARATION AND USES THEREOF**

[54] **FLUIDE CALOPORTEUR A FAIBLE CONDUCTIVITE COMPRENANT UN INHIBITEUR AMIDE, PROCEDES POUR SA PREPARATION ET SES UTILISATIONS**

[72] CLERICK, SANDER, BE

[72] LIEVENS, SERGE, BE

[71] ARTECO N.V., BE

[85] 2022-07-29

[86] 2021-02-10 (PCT/EP2021/053215)

[87] (WO2021/160674)

[30] EP (20156627.0) 2020-02-11

[21] **3,169,669**
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61K 31/7088 (2006.01) A61K 47/12 (2006.01)**

[25] EN

[54] **METHODS OF PREPARING LIPID NANOPARTICLES**

[54] **PROCEDES DE PREPARATION DE NANOPARTICULES LIPIDIQUES**

[72] SMITH, MIKE, US

[72] AUER, JASON, US

[72] SKINNER, BRIE, US

[71] MODERNATX, INC., US

[85] 2022-07-29

[86] 2021-01-29 (PCT/US2021/015888)

[87] (WO2021/155274)

[30] US (62/968,337) 2020-01-31

[21] **3,169,671**
[13] A1

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 9/14 (2006.01) A61K 31/506 (2006.01) A61K 47/20 (2006.01) A61K 47/34 (2017.01) A61K 47/38 (2006.01) A61P 9/00 (2006.01)**

[25] EN

[54] **NANOFORMULATIONS OF METHYL {4,6-DIAMINO-2-[5-FLUORO-1-(2-FLUOROBENZYL)-1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL}PYRIMIDIN-5-YL}CARBAMATE**

[54] **NANOFORMULATIONS DE CARBAMATE DE METHYLE {4,6-DIAMINO-2-[5-FLUORO-1-(2-FLUOROBENZYL)-1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL}PYRIMIDIN-5-YL}CARBAMATE**

[72] KERSTEN, ELISABETH, DE

[72] OSTENDORF, MICHAEL, DE

[72] HOHEISEL, WERNER, DE

[72] NEUMANN, HEIKE, DE

[72] SOWA, MICHAL, DE

[72] BROCKOB, JOERG, DE

[72] FEY, PETER, DE

[72] LONGERICH, MARKUS, DE

[72] BECKER, GUIDO, DE

[72] CONTY, VALENTINA PAULA, DE

[72] EHRIG, ANJA, DE

[71] ADVERIO PHARMA GMBH, DE

[85] 2022-07-29

[86] 2021-02-02 (PCT/EP2021/052362)

[87] (WO2021/156223)

[30] EP (20155184.3) 2020-02-03

[21] **3,169,672**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01)**

[25] EN

[54] **CD19-DIRECTED CHIMERIC ANTIGEN RECEPTOR T CELL COMPOSITIONS AND METHODS AND USES THEREOF**

[54] **COMPOSITIONS DE LYMPHOCYTES T A RECEPTEUR ANTIGENIQUE CHIMERIQUE DIRIGE CONTRE CD19 ET PROCEDES ET UTILISATIONS ASSOCIES**

[72] WESTOBY, MATTHEW, US

[72] BRIGGS, ADRIAN WRANGHAM, US

[72] KUGLER, DAVID G., US

[72] CASPARY, ROBERT GUY, US

[72] CHAN, CALVIN, US

[72] VARUN, DIVYA, US

[72] GERMERTH, LOTHAR, DE

[72] STEMBERGER, CHRISTIAN, DE

[72] POLTORAK, MATEUSZ PAWEL, DE

[72] BASHOUR, KEENAN, US

[72] BATUREVYCH, OLEKSANDR, US

[72] KILAVUZ, NURGUL, US

[72] HEGE, KRISTEN, US

[72] BURGESS, MICHAEL, US

[72] WU, KAIDA, US

[72] SALMON, RUTH AMANDA, US

[71] JUNO THERAPEUTICS, INC., US

[85] 2022-07-28

[86] 2021-02-11 (PCT/US2021/017739)

[87] (WO2021/163391)

[30] US (62/975,724) 2020-02-12

[21] **3,169,675**
[13] A1

[51] **Int.Cl. A61C 19/06 (2006.01) A61K 9/00 (2006.01) A61K 33/16 (2006.01)**

[25] EN

[54] **METHODS OF MAKING DELMOPINOL AND SALTS THEREOF**

[54] **PROCEDES DE FABRICATION DE DELMOPINOL ET DE SELS DE CELUI-CI**

[72] YEMIREDDY, VENKATARAMANA REDDY, IN

[72] VADLA, BALRAJU, IN

[72] KONGARA, VIJAYA KUMAR, IN

[72] GOTTAM, VIDYA, SAGAR, IN

[71] YOU FIRST SERVICES, INC., US

[85] 2022-07-29

[86] 2021-02-01 (PCT/US2021/016040)

[87] (WO2021/155350)

[30] US (62/968,730) 2020-01-31

PCT Applications Entering the National Phase

[21] **3,169,679**
[13] A1

[51] **Int.Cl. A61K 31/445 (2006.01) A61K 31/4523 (2006.01) A61K 31/4545 (2006.01) C07D 471/00 (2006.01) C07D 471/02 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **METHODS OF TREATING ESTROGEN RECEPTOR-ASSOCIATED DISEASES**

[54] **METHODES DE TRAITEMENT DE MALADIES ASSOCIEES AU RECEPTEUR DES □STROGENES**

[72] HARMON, CYRUS L., US

[72] KUSHNER, PETER J., US

[72] MYLES, DAVID C., US

[72] GALLAGHER, LESLIE HODGES, US

[71] OLEMA PHARMACEUTICALS, INC., US

[85] 2022-07-28

[86] 2021-03-05 (PCT/US2021/021151)

[87] (WO2021/178846)

[30] US (62/985,929) 2020-03-06

[21] **3,169,682**
[13] A1

[51] **Int.Cl. C22B 1/00 (2006.01) C22B 3/00 (2006.01) C22B 3/10 (2006.01) C22B 3/12 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) C22B 26/12 (2006.01) C22B 47/00 (2006.01)**

[25] EN

[54] **A PROCESS FOR RECOVERING METALS FROM RECYCLED RECHARGEABLE BATTERIES**

[54] **PROCEDE DE RECUPERATION DE METAUX A PARTIR DE BATTERIES RECHARGEABLES RECYCLEES**

[72] PRESS FRIMET, OR, IL

[72] MASARWA, MOHAMAD, IL

[72] ENGLERT, YANIV, IL

[71] BROMINE COMPOUNDS LTD., IL

[85] 2022-07-28

[86] 2021-02-11 (PCT/IL2021/050168)

[87] (WO2021/161316)

[30] US (62/975,218) 2020-02-12

[21] **3,169,688**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **TERMINAL, RADIO COMMUNICATION METHOD, AND BASE STATION**

[54] **TERMINAL, METHODE DE RADIOCOMMUNICATION ET STATION DE BASE**

[72] TAKAHASHI, YUKI, JP

[72] NAGATA, SATOSHI, JP

[72] WANG, LIHUI, CN

[71] NTT DOCOMO, INC., JP

[85] 2022-07-28

[86] 2020-02-21 (PCT/JP2020/007083)

[87] (WO2021/166225)

[21] **3,169,692**
[13] A1

[51] **Int.Cl. B65G 47/14 (2006.01) A61J 3/00 (2006.01) A61J 7/00 (2006.01)**

[25] EN

[54] **MEDICINE FEEDER**

[54] **MECANISME ALIMENTEUR DE MEDICAMENTS**

[72] OMURA, YOSHIHITO, JP

[72] OHGAYA, SYUNJI, JP

[71] TOSHO, INC., JP

[85] 2022-07-28

[86] 2021-01-28 (PCT/JP2021/003052)

[87] (WO2021/153674)

[30] JP (2020-012086) 2020-01-29

[30] JP (2020-012127) 2020-01-29

[30] JP (2020-012192) 2020-01-29

[30] JP (2020-012231) 2020-01-29

[30] JP (2020-012315) 2020-01-29

[30] JP (2020-012424) 2020-01-29

[30] JP (2020-124675) 2020-07-21

[21] **3,169,693**
[13] A1

[51] **Int.Cl. A45D 19/00 (2006.01) B67D 7/02 (2010.01) A45D 40/00 (2006.01) A45D 44/00 (2006.01) B65B 37/00 (2006.01)**

[25] EN

[54] **DISPENSER**

[54] **DISTRIBUTEUR**

[72] JANG, KYUNG SIK, KR

[72] LEE, JUNG YONG, KR

[72] KIM, HYUNG KYU, KR

[72] KIM, KYUNG WON, KR

[71] LG FAROUK CO., KR

[85] 2022-07-28

[86] 2021-01-22 (PCT/KR2021/000869)

[87] (WO2021/182747)

[30] KR (10-2020-0030802) 2020-03-12

[21] **3,169,696**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 37/02 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **ANTI-BCMA THERAPY IN AUTOIMMUNE DISORDERS**

[54] **THERAPIE ANTI-BCMA DANS DES TROUBLES AUTO-IMMUNS**

[72] MENSAH, KOFI, US

[72] PLENGE, ROBERT, US

[72] ROY, SOPHIE, US

[72] ZALLER, DENNIS, US

[72] DOVEY, JENNIFER, US

[72] SAENZ, STEVEN, US

[72] HENAULT, JILL, US

[72] DOYKAN, CAMILLE, US

[72] CALVINO, JENNA, US

[72] JIN, XI, US

[72] PAQUETTE, JOSEPH, US

[71] BRISTOL-MEYERS SQUIBB COMPANY, US

[85] 2022-07-28

[86] 2021-02-11 (PCT/US2021/017665)

[87] (WO2021/163329)

[21] **3,169,704**
[13] A1

[51] **Int.Cl. C09D 7/61 (2018.01) B05D 1/36 (2006.01) B05D 3/00 (2006.01) B05D 5/06 (2006.01) B05D 7/24 (2006.01) B32B 3/30 (2006.01) B32B 27/00 (2006.01) B32B 27/20 (2006.01) C09D 201/00 (2006.01) E04F 13/02 (2006.01) E04F 13/08 (2006.01)**

[25] EN

[54] **CONSTRUCTION MATERIAL, DECORATIVE MEMBER, AND METHOD FOR MANUFACTURING DECORATIVE MEMBER**

[54] **MATERIAU DE CONSTRUCTION, ELEMENT DECORATIF ET PROCEDE DE FABRICATION D'ELEMENT DECORATIF**

[72] OKAYAMA, NOBUCHIKA, JP

[72] AIKAWA, HIDEO, JP

[72] YAMAMOTO, TOMOHISA, JP

[72] MARUYAMA, RYOKO, JP

[72] MIYAKE, ARISA, JP

[71] KMEW CO., LTD., JP

[85] 2022-07-29

[86] 2021-01-29 (PCT/JP2021/003339)

[87] (WO2021/153767)

[30] JP (2020-015273) 2020-01-31

[30] JP (2020-015283) 2020-01-31

Demandes PCT entrant en phase nationale

[21] **3,169,708**
[13] A1

[51] **Int.Cl. G06T 9/40 (2006.01) H04N 19/102 (2014.01)**
[25] EN
[54] **THREE-DIMENSIONAL CONTENT PROCESSING METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL DE TRAITEMENT DE CONTENU TRIDIMENSIONNEL**
[72] BAI, YAXIAN, CN
[72] HUANG, CHENG, CN
[71] ZTE CORPORATION, CN
[85] 2022-07-29
[86] 2020-06-24 (PCT/CN2020/098010)
[87] (WO2021/258325)

[21] **3,169,715**
[13] A1

[51] **Int.Cl. A23L 35/00 (2016.01) A23K 10/20 (2016.01) A23L 5/20 (2016.01) A23L 13/00 (2016.01) A23J 1/00 (2006.01)**
[25] EN
[54] **DEGUTTED INSECT WITH IMPROVED NUTRITIONAL QUALITY AND MICROBIAL QUALITY, PROCESSED INSECT PRODUCT WITH IMPROVED NUTRITIONAL QUALITY, IMPROVED COLOR, AND IMPROVED MICROBIAL QUALITY, METHOD FOR OBTAINING SAID DEGUTTED INSECT**
[54] **INSECTE ETRIPE A QUALITE NUTRITIONNELLE ET A QUALITE MICROBIENNE AMELIOREES, PRODUIT A BASE D'INSECTE TRAITÉ A QUALITE NUTRITIONNELLE AMELIOREE, A COULEUR AMELIOREE ET A QUALITE MICROBIENNE AMELIOREE, PROCEDE D'OBTENTION DUDIT INSECTE ETRIPE**
[72] SCHMITT, ERIC HOLLAND, BE
[72] HOSSEINI, SEYED ALI, NL
[72] PAUL, AMAN, NL
[71] PROTIX B.V., NL
[85] 2022-07-29
[86] 2021-02-15 (PCT/NL2021/050099)
[87] (WO2021/167449)
[30] NL (2024929) 2020-02-17

[21] **3,169,717**
[13] A1

[51] **Int.Cl. F16B 23/00 (2006.01)**
[25] EN
[54] **FASTENER HAVING IMPROVED WOBBLE CONTROL, FASTENING SYSTEM INCLUDING THE SAME, AND METHOD OF FORMING THE SAME**
[54] **ELEMENT DE FIXATION AYANT UNE COMMANDE D'OSCILLATION AMELIOREE, SYSTEME DE FIXATION COMPRENANT CELUI-CI ET SON PROCEDE DE FORMATION**
[72] CHASSE, CARL ANDREW, US
[71] SHEH FUNG SCREWS CO., LTD., CN
[71] CHASSE, CARL ANDREW, US
[85] 2022-07-29
[86] 2021-02-03 (PCT/US2021/016333)
[87] (WO2021/162906)
[30] US (62/972,734) 2020-02-11

[21] **3,169,727**
[13] A1

[51] **Int.Cl. C09J 189/06 (2006.01)**
[25] EN
[54] **BIODEGRADABLE PRESSURE SENSITIVE ADHESIVES**
[54] **ADHESIFS SENSIBLES A LA PRESSION BIODEGRADABLES**
[72] THOMAS, RICHARD W., US
[71] BIO-BOND LLC, US
[85] 2022-07-29
[86] 2021-03-08 (PCT/US2021/016451)
[87] (WO2021/158687)
[30] US (62/969,997) 2020-02-04
[30] US (62/981,725) 2020-02-26

[21] **3,169,731**
[13] A1

[51] **Int.Cl. A61B 17/072 (2006.01)**
[25] EN
[54] **TISSUE GUIDE FOR CURVED END EFFECTORS**
[54] **GUIDE DE TISSU POUR EFFECTEURS TERMINAUX INCURVES**
[72] MADDUR, JEEVAN, IN
[72] SHI, SHAOHUI, CN
[72] VARADHAN, SRIDHARAN, CN
[72] ZHANG, XINI, CN
[72] AHAMED, SYED, CN
[72] HAZRA, MANOJIT, IN
[71] COVIDEN LP, US
[85] 2022-07-29
[86] 2020-02-03 (PCT/CN2020/074175)
[87] (WO2021/155483)

[21] **3,169,734**
[13] A1

[51] **Int.Cl. A61B 17/072 (2006.01) A61B 17/115 (2006.01)**
[25] EN
[54] **SURGICAL STAPLING INSTRUMENT WITH CURVED END EFFECTOR ASSEMBLY**
[54] **INSTRUMENT D'AGRAFAGE CHIRURGICAL DOTE D'UN ENSEMBLE EFFECTEUR TERMINAL INCURVE**
[72] AHAMED, SYED, CN
[72] ZHANG, XINI, CN
[71] COVIDEN LP, US
[85] 2022-07-29
[86] 2020-02-03 (PCT/CN2020/074185)
[87] (WO2021/155486)

[21] **3,169,749**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **TUMOR MARKER AQUAPORIN 2 PROTEIN AND APPLICATION THEREOF**
[54] **PROTEINE AQUAPORINE 2 DE MARQUEUR TUMORAL ET SON APPLICATION**
[72] XU, HANMEI, CN
[72] LI, MENGWEI, CN
[71] NANJING ANJI BIOTECHNOLOGY CO., LTD., CN
[85] 2022-08-26
[86] 2020-11-03 (PCT/CN2020/126029)
[87] (WO2021/043340)
[30] CN (201910850263.4) 2019-09-05

[21] **3,169,771**
[13] A1

[51] **Int.Cl. C01B 39/02 (2006.01) C01B 39/36 (2006.01) C01B 39/40 (2006.01) C01B 39/44 (2006.01) C01B 39/48 (2006.01)**
[25] EN
[54] **SYNTHESIS OF FINNED ZEOLITE CRYSTALS**
[54] **SYNTHESE DE CRISTAUX DE ZEOLITE A AILETTES**
[72] RIMER, JEFFREY D., US
[72] SHEN, YUFENG, US
[72] DAI, HENG, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2022-08-26
[86] 2021-02-09 (PCT/US2021/017188)
[87] (WO2021/163021)
[30] US (62/975,254) 2020-02-12

PCT Applications Entering the National Phase

[21] **3,169,796**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **NOVEL MICROPEPTIDE HMMW AND APPLICATION THEREOF**

[54] **NOUVEAU MICROPEPTIDE HMMW ET SON APPLICATION**

[72] XU, HANMEI, CN

[72] LI, MENGWEI, CN

[71] NANJING ANJI BIOTECHNOLOGY CO., LTD., CN

[85] 2022-08-26

[86] 2020-11-03 (PCT/CN2020/126072)

[87] (WO2021/043341)

[30] CN (201910850262.X) 2019-09-05

[21] **3,169,804**
[13] A1

[51] **Int.Cl. A61K 35/15 (2015.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/44 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR STIMULATION OF CHIMERIC ANTIGEN RECEPTOR T CELLS WITH HAPTEN LABELLED CELLS**

[54] **PROCEDES ET COMPOSITIONS POUR UNE STIMULATION DE LYMPHOCYTES T A RECEPTEUR ANTIGENIQUE CHIMERIQUE AVEC DES CELLULES MARQUEES PAR UN HAPTENE**

[72] JENSEN, MICHAEL C., US

[72] MATTHAEI, JAMES F., US

[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US

[85] 2022-08-02

[86] 2021-02-02 (PCT/US2021/016194)

[87] (WO2021/158534)

[30] US (62/969,917) 2020-02-04

[21] **3,169,805**
[13] A1

[51] **Int.Cl. A61F 2/848 (2013.01) A61F 2/90 (2013.01)**

[25] EN

[54] **STENT, MANDREL, AND METHOD FOR FORMING A STENT WITH ANTI-MIGRATION FEATURES**

[54] **ENDOPROTHESE, MANDRIN ET PROCEDE DE FABRICATION D'UNE ENDOPROTHESE AVEC DES CARACTERISTIQUES ANTIMIGRATION**

[72] FOLAN, MARTYN G., IE

[71] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2022-08-02

[86] 2021-02-02 (PCT/US2021/016244)

[87] (WO2021/158564)

[30] US (62/969,498) 2020-02-03

[21] **3,169,806**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR LOCKING A CONTROLLED MEDICAL THERAPY DEVICE**

[54] **SYSTEME ET PROCEDE POUR VERROUILLER UN DISPOSITIF DE THERAPIE MEDICALE COMMANDE**

[72] BOTHA, MARCEL, US

[72] KRUGER, FREDERICK ZACHARIAS, US

[72] BREDEKAMP, JOHANNES MICHEL, US

[71] 10XBETA, US

[85] 2022-08-02

[86] 2021-02-03 (PCT/US2021/016304)

[87] (WO2021/158592)

[30] US (62/969,421) 2020-02-03

[21] **3,169,807**
[13] A1

[51] **Int.Cl. G03B 11/04 (2021.01) F41G 1/00 (2006.01) F41G 1/027 (2006.01) F41G 1/14 (2006.01) G03B 11/00 (2021.01)**

[25] EN

[54] **PROTECTIVE LENS COVER ASSEMBLY**

[54] **ENSEMBLE COUVERCLE DE LENTILLE PROTECTEUR**

[72] ROSEN, MICHAEL A., US

[72] MORELL, ROBERT, US

[72] HAMILTON, DAVID, US

[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US

[85] 2022-08-02

[86] 2021-02-03 (PCT/US2021/016308)

[87] (WO2021/158594)

[30] US (62/969,285) 2020-02-03

[21] **3,169,808**
[13] A1

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

[25] EN

[54] **DATA ANALYSIS AND VISUALIZATION USING STRUCTURED DATA TABLES AND NODAL NETWORKS**

[54] **ANALYSE ET VISUALISATION DE DONNEES A L'AIDE DE TABLES DE DONNEES STRUCTUREES ET DE RESEAUX NODAUX**

[72] ARES, JEAN-MICHEL, US

[71] CHORAL SYSTEMS, LLC, US

[85] 2022-08-02

[86] 2021-02-03 (PCT/US2021/016396)

[87] (WO2021/162910)

[30] US (62/972,533) 2020-02-10

[21] **3,169,809**
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) A61P 35/00 (2006.01) C07K 16/40 (2006.01)**

[25] EN

[54] **ANTI-HEPSIN ANTIBODIES AND USES THEREOF**

[54] **ANTICORPS ANTI-HEPSINE ET LEURS UTILISATIONS**

[72] JOHNSON, BLAKE P., US

[72] O'BRIEN, TIMOTHY J., US

[71] NAVAUX, INC., US

[85] 2022-08-02

[86] 2021-02-03 (PCT/US2021/016409)

[87] (WO2021/158660)

[30] US (62/970,626) 2020-02-05

Demandes PCT entrant en phase nationale

[21] **3,169,810**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61P 25/28 (2006.01) C07D 403/14 (2006.01)**

[25] EN

[54] **METHODS AND COMPOUNDS FOR THE TREATMENT OF GENETIC DISEASE**

[54] **PROCEDES ET COMPOSES POUR LE TRAITEMENT D'UNE MALADIE GENETIQUE**

[72] ANSARI, ASEEM, US

[72] JEFFRIES, SEAN J., US

[72] SHAH, PRATIK, US

[71] ZHANG, CHENGZHI, US

[71] DESIGN THERAPEUTICS, INC., US

[85] 2022-08-02

[86] 2021-02-03 (PCT/US2021/016481)

[87] (WO2021/158707)

[30] US (62/969,644) 2020-02-03

[30] US (63/135,476) 2021-01-08

[21] **3,169,811**
[13] A1

[51] **Int.Cl. B04B 11/06 (2006.01) B04B 1/08 (2006.01) B04B 11/02 (2006.01)**

[25] EN

[54] **CENTRIFUGE, AND RELATED SYSTEMS AND METHODS**

[54] **CENTRIFUGEUSE, ET SYSTEMES ET PROCEDES ASSOCIES**

[72] WHITTINGTON, ASHLEY MAXWELL, US

[72] RINDSIG, MATTHEW J., US

[72] FIX, GREGORY G., US

[71] POET RESEARCH, INC., US

[71] SEPARATOR TECHNOLOGY SOLUTIONS US INC., US

[85] 2022-08-02

[86] 2021-02-04 (PCT/US2021/016578)

[87] (WO2021/158767)

[30] US (62/970,902) 2020-02-06

[21] **3,169,812**
[13] A1

[51] **Int.Cl. A23D 9/00 (2006.01) A61K 31/20 (2006.01) A61K 31/201 (2006.01)**

[25] EN

[54] **METHOD FOR INCREASING EICOSAPENTAENOIC ACID LEVEL IN THE PLASMA OF AN ANIMAL**

[54] **METHODE POUR AUGMENTER LE TAUX D'ACIDE EICOSAPENTAENOIQUE DANS LE PLASMA D'UN ANIMAL**

[72] YU, SHIGUANG, US

[72] WILSON, JONATHAN WESLEY, US

[71] DSM IP ASSETS B.V., NL

[71] EVONIK OPERATIONS GMBH, DE

[85] 2022-08-02

[86] 2021-02-05 (PCT/US2021/016701)

[87] (WO2021/158842)

[30] US (62/970,932) 2020-02-06

[21] **3,169,813**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR KALLIKREIN (KLKB1) GENE EDITING**

[54] **COMPOSITIONS ET PROCEDES POUR L'EDITION DE GENES DE KALLIKREINE KLKB1**

[72] ODATE, SHOBU, US

[72] SEITZER, JESSICA LYNN, US

[71] INTELLIA THERAPEUTICS, INC., US

[85] 2022-08-02

[86] 2021-02-05 (PCT/US2021/016730)

[87] (WO2021/158858)

[21] **3,169,826**
[13] A1

[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01)**

[25] EN

[54] **CARTRIDGE AND AEROSOL GENERATING APPARATUS COMPRISING THE SAME**

[54]

[72] LEE, WON KYEONG, KR

[72] JEONG, HEON JUN, KR

[72] CHOI, JAE SUNG, KR

[71] KT&G CORPORATION, KR

[85] 2022-08-08

[86] 2022-02-24 (PCT/KR2022/002709)

[87] (3169826)

[30] KR (10-2021-0028349) 2021-03-03

[30] KR (10-2021-0051353) 2021-04-20

[21] **3,169,830**
[13] A1

[51] **Int.Cl. G16C 20/70 (2019.01) G16C 20/00 (2019.01) G16C 20/10 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR LEARNING TO GENERATE CHEMICAL COMPOUNDS WITH DESIRED PROPERTIES**

[54] **SYSTEME ET PROCEDE D'APPRENTISSAGE PERMETTANT DE GENERER DES COMPOSES CHIMIQUES AYANT DES PROPRIETES SOUHAITEES**

[72] SATTAROV, BORIS, RU

[72] GOTTIPATI, VIJAYA SAI KRISHNA, CA

[72] PATHAK, YASHASWI, IN

[72] THOMAS, KARAM, CA

[71] 99ANDBEYOND INC., CA

[85] 2022-07-29

[86] 2021-01-29 (PCT/CA2021/050103)

[87] (WO2021/151208)

[30] US (62/967,898) 2020-01-30

[30] US (63/076,151) 2020-09-09

PCT Applications Entering the National Phase

[21] **3,169,832**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C07D 487/00 (2006.01)**

[25] EN

[54] **USE OF JAK INHIBITORS IN PREPARATION OF DRUGS FOR TREATMENT OF JAK KINASE RELATED DISEASES**

[54] **UTILISATION D'INHIBITEURS DE KINASE JAK DANS LA PREPARATION DE MEDICAMENTS POUR TRAITER DES MALADIES ASSOCIEES A LA KINASE JAK**

[72] WANG, SHUAI, CN
[72] WANG, DEGANG, CN
[72] WU, SHOUTING, CN
[72] YU, TINGTING, CN
[72] FANG, MIAO, CN
[72] MU, LIWEI, CN
[72] FANG, LIANG, CN
[71] ZHUHAI UNITED LABORATORIES CO., LTD., CN
[85] 2022-07-29
[86] 2020-02-13 (PCT/CN2020/075024)
[87] (WO2021/159372)

[21] **3,169,833**
[13] A1

[51] **Int.Cl. H01L 33/38 (2010.01) H01L 25/075 (2006.01) H01L 25/16 (2006.01) H01L 27/12 (2006.01)**

[25] EN

[54] **DISPLAY DEVICE, PIXEL MODULE, AND UNIT PIXEL HAVING LIGHT-EMITTING DIODE**

[54] **DISPOSITIF D'AFFICHAGE, MODULE DE PIXEL ET PIXEL UNITAIRE AYANT UNE DIODE ELECTROLUMINESCENTE**

[72] CHA, NAMGOO, KR
[72] KIM, SANGMIN, KR
[72] AHN, JUNGHWAN, KR
[72] LIM, JAEHEE, KR
[71] SEOUL VIOSYS CO., LTD., KR
[85] 2022-08-01
[86] 2021-02-09 (PCT/KR2021/001715)
[87] (WO2021/162414)
[30] US (62/972,981) 2020-02-11
[30] US (63/015,191) 2020-04-24
[30] US (17/168,958) 2021-02-05

[21] **3,169,835**
[13] A1

[51] **Int.Cl. E04C 2/40 (2006.01) E04C 2/30 (2006.01) E04F 15/02 (2006.01) E04F 15/04 (2006.01) E04F 15/10 (2006.01)**

[25] EN

[54] **PANEL**

[54] **PANNEAU**

[72] HANNIG, HANS-JURGEN, DE
[72] BUHLMANN, CARSTEN, DE
[72] SIEDER, ANDREAS, DE
[72] HERRMANN, EBERHARD, DE
[71] SURFACE TECHNOLOGIES GMBH & CO. KG, DE
[85] 2022-08-02
[86] 2021-09-17 (PCT/EP2021/075602)
[87] (WO2022/058489)
[30] EP (20196642.1) 2020-09-17

[21] **3,169,838**
[13] A1

[51] **Int.Cl. C07K 16/40 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTIBODIES AGAINST KLK5**

[54] **ANTICORPS CONTRE KLK5**

[72] DEDI, NEESHA, GB
[72] ELLIOTT, PETER CHARLES, GB
[72] LEYSEN, SEPPE FRANS ROMAN, GB
[72] MASON, SEAN, GB
[72] MCMILLAN, DAVID JAMES, GB
[72] NESS, GILLIAN CLAIRE, GB
[72] PENG0, NICCOLO, GB
[72] REDHEAD, MARTIN ANTHONY, GB
[72] TURNER, ALISON, GB
[72] TYSON, KERRY LOUISE, GB
[71] USB BIOPHARMA SRL, BE
[85] 2022-08-02
[86] 2021-02-01 (PCT/EP2021/052249)
[87] (WO2021/156171)
[30] GB (2001447.8) 2020-02-03
[30] GB (2008022.2) 2020-05-28

[21] **3,169,842**
[13] A1

[51] **Int.Cl. C07K 16/40 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTIBODIES AGAINST KLK5**

[54] **ANTICORPS CONTRE KLK5**

[72] DEDI, NEESHA, GB
[72] ELLIOTT, PETER CHARLES, GB
[72] LEYSEN, SEPPE FRANS ROMAN, GB
[72] MASON, SEAN, GB
[72] MCMILLAN, DAVID JAMES, GB
[72] NESS, GILLIAN CLAIRE, GB
[72] PENG0, NICCOLO, GB
[72] REDHEAD, MARTIN ANTHONY, GB
[72] TURNER, ALISON, GB
[72] TYSON, KERRY LOUISE, GB
[71] USB BIOPHARMA SRL, BE
[85] 2022-08-02
[86] 2021-02-01 (PCT/EP2021/052245)
[87] (WO2021/156170)
[30] GB (2001447.8) 2020-02-03

[21] **3,169,848**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) B05B 3/02 (2006.01) B05B 3/18 (2006.01) B05B 15/00 (2018.01)**

[25] EN

[54] **SPRAY UNIT**

[54] **UNITE DE PULVERISATION**

[72] FAERS, MALCOLM, DE
[72] SATO, YOSHITAKA, JP
[72] CHAPPLE, ANDREW, CHARLES, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-08-02
[86] 2021-01-28 (PCT/EP2021/051916)
[87] (WO2021/156126)
[30] EP (20155553.9) 2020-02-05
[30] EP (20197809.5) 2020-09-23

Demandes PCT entrant en phase nationale

[21] **3,169,849**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) B05B 3/02 (2006.01) B05B 3/18 (2006.01) B05B 15/00 (2018.01)**

[25] EN
[54] **SPRAY UNIT**
[54] **UNITE DE PULVERISATION**
[72] FAERS, MALCOLM, DE
[72] CHAPPLE, ANDREW CHARLES, DE
[72] MAYER, WALTER, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-08-02
[86] 2021-01-28 (PCT/EP2021/051914)
[87] (WO2021/156125)
[30] EP (20155549.7) 2020-02-05
[30] EP (20197813.7) 2020-09-23

[21] **3,169,851**
[13] A1

[51] **Int.Cl. B26F 1/44 (2006.01) B26F 1/38 (2006.01)**

[25] EN
[54] **CENTRING BLOCK FOR CENTRING A TOOLING BOARD IN A FLAT BED DIE-CUTTING, STRIPPING OR BLANKING MACHINE AND CENTRING ASSEMBLY**
[54] **BLOC DE CENTRAGE PERMETTANT DE CENTRER UNE PLAQUE D'OUTILLAGE DANS UNE MACHINE DE DECOUPE A PLAT, A DENUDER OU DE DECOUPE A L'EMPORTE-PIECE ET ENSEMBLE DE CENTRAGE**
[72] LIU, SHELLY, CN
[72] JAQUET, BERNARD, CH
[71] BOBST MEX SA, CH
[85] 2022-08-02
[86] 2021-01-22 (PCT/EP2021/051502)
[87] (WO2021/160408)
[30] EP (20020067.3) 2020-02-13

[21] **3,169,852**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) B05B 3/02 (2006.01) B05B 3/18 (2006.01) B05B 15/00 (2018.01)**

[25] EN
[54] **SPRAY UNIT**
[54] **UNITE DE PULVERISATION**
[72] FAERS, MALCOLM, DE
[72] SATO, YOSHITAKA, JP
[72] CHAPPLE, ANDREW CHARLES, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-08-02
[86] 2021-01-21 (PCT/EP2021/051237)
[87] (WO2021/156061)
[30] EP (20155552.1) 2020-02-05

[21] **3,169,854**
[13] A1

[51] **Int.Cl. F24F 5/00 (2006.01) F24F 12/00 (2006.01)**

[25] EN
[54] **VENTILATION DEVICE**
[54] **DISPOSITIF DE VENTILATION**
[72] BRUZI, KRZYSZTOF, PL
[71] RESPIRECO SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2022-08-02
[86] 2021-02-20 (PCT/EP2021/025072)
[87] (WO2021/170295)
[30] PL (P.433008) 2020-02-24

[21] **3,169,855**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) G06F 16/95 (2019.01)**

[25] EN
[54] **SYSTEMS AND METHODS OF GENERATING CONTEXT SPECIFICATION FOR CONTEXTUALIZED SEARCHES AND CONTENT DELIVERY**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE SPECIFICATION DE CONTEXTE POUR RECHERCHES CONTEXTUALISEES ET FOURNITURE DE CONTENU**
[72] DIMITROV, NEDIALKO BOYANOV, CA
[71] STACKADAPT INC., CA
[85] 2022-08-02
[86] 2021-02-16 (PCT/CA2021/050163)
[87] (WO2021/163787)
[30] US (62/978,746) 2020-02-19

[21] **3,169,857**
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**

[25] EN
[54] **WEAR MEMBER ASSEMBLY FOR EARTH WORKING BUCKET**
[54] **ENSEMBLE D'ELEMENT D'USURE POUR EQUIPEMENT DE TERRASSEMENT**
[72] BARIL, SAMUEL, CA
[71] 9257-5810 QUEBEC INC., CA
[85] 2022-08-02
[86] 2021-02-05 (PCT/CA2021/050129)
[87] (WO2021/155472)
[30] US (62/970,335) 2020-02-05
[30] US (62/970,347) 2020-02-05

[21] **3,169,861**
[13] A1

[51] **Int.Cl. B65G 47/24 (2006.01) G02B 1/00 (2006.01) H01L 31/18 (2006.01) H01L 33/00 (2010.01)**

[25] EN
[54] **PERFORMING OPERATIONS ON A WORKPIECE USING ELECTROMAGNETIC FORCES**
[54] **REALISATION D'ACTIONS SUR UNE PIECE A L'AIDE DE FORCES ELECTROMAGNETIQUES**
[72] PRYSTUPA, DAVID ALLEN, CA
[72] PACAK, JOHN STEPHEN, CA
[72] NELL, PETER CONDIE, CA
[71] 1188511 CANADA LTD., CA
[85] 2022-08-02
[86] 2021-02-03 (PCT/CA2021/050118)
[87] (WO2021/155463)
[30] US (62/969,983) 2020-02-04
[30] US (62/978,671) 2020-02-19
[30] US (62/978,675) 2020-02-19
[30] US (62/978,680) 2020-02-19

[21] **3,169,862**
[13] A1

[51] **Int.Cl. A61G 5/10 (2006.01) B60B 25/02 (2006.01) A61G 7/10 (2006.01)**

[25] EN
[54] **WHEELCHAIR WHEEL**
[54] **ROUE DE FAUTEUIL ROULANT**
[72] EICH, MICHAEL, DE
[72] PFLAUMBAUM, WOLF-DIETRICH, DE
[71] P + L INNOVATIONS GMBH, DE
[85] 2022-08-02
[86] 2021-02-02 (PCT/DE2021/100097)
[87] (WO2021/155886)
[30] DE (10 2020 103 171.8) 2020-02-07

PCT Applications Entering the National Phase

[21] **3,169,863**
[13] A1

[51] **Int.Cl. C08B 3/00 (2006.01) C09K 8/035 (2006.01) C09K 8/70 (2006.01)**

[25] EN

[54] **DEGRADABLE CELLULOSE ESTER**

[54] **ESTER DE CELLULOSE DEGRADABLE**

[72] COMBS, MICHAEL, US

[72] MILLER, AMBER, US

[72] PARKER, CODY, US

[71] ACETATE INTERNATIONAL LLC, US

[85] 2022-08-02

[86] 2021-02-10 (PCT/US2021/017428)

[87] (WO2021/163171)

[30] US (62/972,621) 2020-02-10

[21] **3,169,864**
[13] A1

[51] **Int.Cl. G01R 33/28 (2006.01) G01R 33/34 (2006.01) H01Q 15/00 (2006.01)**

[25] EN

[54] **DEVICES FOR MANIPULATING ELECTROMAGNETIC FIELDS IN A MAGNETIC RESONANCE SYSTEM**

[54] **DISPOSITIFS DE MANIPULATION DE CHAMPS ELECTROMAGNETIQUES DANS UN SYSTEME DE RESONANCE MAGNETIQUE**

[72] SAHA, SHIMUL, GB

[72] KOUTSOUPIDOU, MARIA, GB

[72] KALLOS, EFTHYMOS, GB

[71] MEDICAL WIRELESS SENSING LTD, GB

[85] 2022-08-02

[86] 2021-02-03 (PCT/GB2021/050239)

[87] (WO2021/156613)

[30] GB (2001568.1) 2020-02-05

[30] GB (2010705.8) 2020-07-10

[21] **3,169,865**
[13] A1

[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/346 (2014.01) B42D 25/351 (2014.01) B42D 25/36 (2014.01) B42D 25/373 (2014.01) B42D 25/378 (2014.01) B42D 25/382 (2014.01) B42D 25/387 (2014.01) B42D 25/41 (2014.01) B42D 25/455 (2014.01) B42D 25/46 (2014.01)**

[25] EN

[54] **A SECURITY SHEET**

[54] **FEUILLE DE SECURITE**

[72] SUGDON, MATTHEW, GB

[72] DHILLON, BALJEET, GB

[72] QUANTON, SIMON, GB

[72] BOBAT, SHIREEN, GB

[71] DE LA RUE INTERNATIONAL LIMITED, GB

[85] 2022-08-02

[86] 2021-02-04 (PCT/GB2021/050241)

[87] (WO2021/165640)

[30] GB (2002395.8) 2020-02-20

[21] **3,169,866**
[13] A1

[51] **Int.Cl. B61G 9/10 (2006.01)**

[25] EN

[54] **DOUBLE FRICTION DRAFT GEAR ASSEMBLY**

[54] **ENSEMBLE APPAREIL DE CHOC ET DE TRACTION A DOUBLE FRICTION**

[72] ALEJNIKOV, IGOR, US

[72] HARRIS, ZACHARY, US

[71] AMSTED RAIL COMPANY, INC., US

[85] 2022-08-02

[86] 2021-01-27 (PCT/US2021/015199)

[87] (WO2021/183224)

[30] US (62/988,435) 2020-03-12

[30] US (17/007,317) 2020-08-31

[21] **3,169,867**
[13] A1

[51] **Int.Cl. G07D 11/125 (2019.01) G07D 11/14 (2019.01)**

[25] EN

[54] **STORAGE APPARATUS**

[54] **APPAREIL DE STOCKAGE**

[72] SHUTE, NEIL ALEXANDER, GB

[72] JOHNSON, DUNCAN, GB

[71] VOLUMATIC LIMITED, GB

[85] 2022-08-02

[86] 2021-02-15 (PCT/GB2021/050364)

[87] (WO2021/161049)

[30] GB (2101222.4) 2021-01-28

[30] GB (2001974.1) 2020-02-13

[21] **3,169,869**
[13] A1

[51] **Int.Cl. C07C 51/09 (2006.01) C07C 51/43 (2006.01) C07C 53/19 (2006.01) C07C 59/68 (2006.01) C07C 67/30 (2006.01) C07C 69/712 (2006.01) C07C 211/27 (2006.01) C07C 211/29 (2006.01) C07C 211/30 (2006.01) C07C 231/02 (2006.01) C07C 235/20 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING S-BEFLUBUTAMID BY RESOLVING 2-BROMOBUTANOIC ACID**

[54] **PROCEDE DE PREPARATION DE S-BEFLUBUTAMIDE PAR DEDOUBLEMENT DE L'ACIDE 2-BROMOBUTYRIQUE**

[72] CORBETT, RICHARD M., US

[72] DATAR, RAVINDRA V., US

[72] JAMANE, INDRAJEET M., US

[72] MAO, JIANHUA, US

[72] PATEL, SHAILESHKUMAR K., US

[72] PENG, DONGJIE, US

[71] CHEMINOVA A/S, DK

[85] 2022-08-02

[86] 2021-02-10 (PCT/IB2021/000076)

[87] (WO2021/161100)

[30] US (62/972,788) 2020-02-11

[21] **3,169,871**
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) B81B 7/00 (2006.01) G01N 1/00 (2006.01) G01N 21/01 (2006.01)**

[25] EN

[54] **MICROFLUIDIC DEVICE WITH INTERFACE PINNING REACTION VESSELS WITHIN A FLOW-THROUGH CHAMBER, KIT FOR FORMING, AND USE OF, SAME**

[54] **DISPOSITIF MICROFLUIDIQUE A CUVES DE REACTION A ANCRAGES D'INTERFACES A L'INTERIEUR D'UNE CHAMBRE DE CIRCULATION, KIT DE FORMATION ET UTILISATION ASSOCIEE**

[72] GEISSLER, MATTHIAS, CA

[72] MORTON, KEITH J., CA

[72] VERES, TEODOR, CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[85] 2022-08-02

[86] 2021-02-08 (PCT/IB2021/051007)

[87] (WO2021/156844)

[30] US (62/971,539) 2020-02-07

Demandes PCT entrant en phase nationale

[21] **3,169,874**
[13] A1

[51] **Int.Cl. G01N 21/88 (2006.01) G01N 21/00 (2006.01) G01N 21/956 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR IMAGING REFLECTING OBJECTS**

[54] **SYSTEME ET PROCEDE D'IMAGERIE D'OBJETS REFLECHISSANTS**

[72] HYATT, YONATAN, IL
[72] GINSBURG, RAN, IL
[71] INSPEKTO A.M.V LTD, IL

[85] 2022-08-02
[86] 2021-02-07 (PCT/IL2021/050143)
[87] (WO2021/156873)
[30] IL (272538) 2020-02-06
[30] US (62/970,833) 2020-02-06
[30] US (63/075,153) 2020-09-06

[21] **3,169,875**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 27/00 (2006.01) G02B 27/01 (2006.01)**

[25] EN

[54] **METHOD OF FABRICATION OF COMPOUND LIGHT-GUIDE OPTICAL ELEMENTS**

[54] **PROCEDE DE FABRICATION D'ELEMENTS OPTIQUES A GUIDE DE LUMIERE COMPOSE**

[72] GRABARNIK, SHIMON, IL
[72] EISENFELD, TSION, IL
[71] LUMUS LTD, IL

[85] 2022-08-02
[86] 2021-05-24 (PCT/IL2021/050610)
[87] (WO2021/240515)
[30] US (63/029,500) 2020-05-24

[21] **3,169,876**
[13] A1

[51] **Int.Cl. G01N 27/06 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **INORGANIC CARBON (IC) EXCLUDED CONDUCTIVITY MEASUREMENT OF AQUEOUS SAMPLES**

[54] **MESURE DE LA CONDUCTIVITE D'ECHANTILLONS AQUEUX SANS UTILISER DE CARBONE INORGANIQUE (CI)**

[72] CHOU, OLIVER, US
[71] BL TECHNOLOGIES, INC., US

[85] 2022-08-02
[86] 2020-02-05 (PCT/US2020/016707)
[87] (WO2021/158213)

[21] **3,169,878**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/32 (2006.01) C12M 1/34 (2006.01) C12M 1/42 (2006.01) C12M 3/00 (2006.01)**

[25] EN

[54] **A MICROPHYSIOLOGICAL PLATFORM WITH EMBEDDED ELECTRODES FOR 3D TISSUE CULTURE**

[54] **PLATE-FORME MICROPHYSIOLOGIQUE A ELECTRODES INTEGREES POUR LA CULTURE DE TISSUS EN 3D**

[72] RADISIC, MILICA, CA
[72] ZHANG, BOYANG, CA
[72] ZHAO, YIMU, CA
[72] YEAGER, KEITH, US
[71] VALO HEALTH, INC., US

[71] RADISIC, MILICA, CA
[71] ZHANG, BOYANG, CA
[71] ZHAO, YIMU, CA

[85] 2022-08-02
[86] 2020-02-07 (PCT/US2020/017195)
[87] (WO2021/158233)

[21] **3,169,902**
[13] A1

[51] **Int.Cl. D06N 7/00 (2006.01) A47G 27/02 (2006.01) B32B 5/06 (2006.01) B32B 37/12 (2006.01) B32B 37/24 (2006.01) D05C 17/02 (2006.01)**

[25] EN

[54] **FLOOR COVERING**

[54] **REVETEMENT DE SOL**

[72] HIGGINS, KENNETH B., US
[71] HIGGINS RESEARCH & DEVELOPMENT, LLC, US

[85] 2022-08-02
[86] 2021-01-13 (PCT/US2021/013232)
[87] (WO2021/158342)
[30] US (16/781,509) 2020-02-04
[30] US (17/028,089) 2020-09-22

[21] **3,169,923**
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**

[25] EN

[54] **INJECTION DEVICE AND A REUSABLE PART THEREFOR**

[54] **DISPOSITIF D'INJECTION ET PARTIE REUTILISABLE ASSOCIEE**

[72] LEBAU, OLAF, DE
[72] HEISIEP, JOERG, DE
[72] JUNG, ANDREE, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2022-07-28
[86] 2021-02-25 (PCT/EP2021/054624)
[87] (WO2021/170690)
[30] EP (20159319.1) 2020-02-25

[21] **3,169,953**
[13] A1

[51] **Int.Cl. A61K 8/64 (2006.01) A61Q 19/02 (2006.01) A61Q 19/08 (2006.01) C07K 7/08 (2006.01)**

[25] EN

[54] **PEPTIDE INHIBITING FORMATION OF SNARE COMPLEX AND USE THEREOF**

[54] **PEPTIDE INHIBANT LA FORMATION DU COMPLEXE SNARE ET SON UTILISATION**

[72] LEE, JUN HO, KR
[72] LEE, DONG KYU, KR
[72] KIM, DAE HOON, KR
[71] MEDYTOX INC., KR

[85] 2022-07-28
[86] 2021-01-22 (PCT/KR2021/000865)
[87] (WO2021/153946)
[30] KR (10-2020-0011344) 2020-01-30

PCT Applications Entering the National Phase

[21] **3,169,954**
[13] A1

[51] **Int.Cl. E21B 47/022 (2012.01) E21B 47/26 (2012.01) E21B 47/09 (2012.01)**

[25] EN

[54] **DETERMINING SPACING BETWEEN WELLBORES**

[54] **DETERMINATION D'ESPACEMENT ENTRE DES PUIITS DE FORAGE**

[72] EMANUEL, MARK JEFFREY, US

[72] NEALON, BRENDAN, US

[72] KROLCZYK, TYLER, US

[72] MOORE, SEAN W., US

[71] ENVERUS, INC., US

[85] 2022-07-28

[86] 2021-01-27 (PCT/US2021/015258)

[87] (WO2021/154834)

[30] US (16/775,053) 2020-01-28

[21] **3,169,955**
[13] A1

[51] **Int.Cl. G16C 20/30 (2019.01)**

[25] EN

[54] **TECHNIQUES FOR MODELLING AND OPTIMIZING DIALYSIS TOXIN DISPLACER COMPOUNDS**

[54] **TECHNIQUES DE MODELISATION ET D'OPTIMISATION DE COMPOSES DE DEPLACEMENT DE TOXINES DE DIALYSE**

[72] TAO, XIA, US

[72] MAHESHWARI, VAIBHAV, US

[72] KOTANKO, PETER, US

[72] THIJSSSEN, STEPHAN, US

[72] GROBE, NADJA, US

[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US

[85] 2022-07-28

[86] 2021-01-29 (PCT/US2021/015700)

[87] (WO2021/155142)

[30] US (62/967,738) 2020-01-30

[21] **3,169,956**
[13] A1

[51] **Int.Cl. A01D 46/30 (2006.01) A01D 34/00 (2006.01) A01D 34/835 (2006.01) A01D 46/00 (2006.01) A01D 46/24 (2006.01) A01D 46/253 (2006.01)**

[25] EN

[54] **GRIPPER TOOLS FOR OBJECT GRASPING, MANIPULATION, AND REMOVAL**

[54] **OUTILS DE PREHENSION POUR LA SAISIE, LA MANIPULATION ET LE RETRAIT D'OBJETS**

[72] KNOPF, RYAN R., US

[72] LESSING, JOSHUA AARON, US

[72] WASSERMAN, RYAN, US

[72] CHRISOS, JASON A., US

[71] APPHARVEST TECHNOLOGY, INC., US

[85] 2022-07-28

[86] 2021-03-02 (PCT/US2021/020476)

[87] (WO2021/178408)

[30] US (62/984,125) 2020-03-02

[21] **3,169,957**
[13] A1

[51] **Int.Cl. C08G 77/26 (2006.01) A01N 55/10 (2006.01) A61L 2/10 (2006.01) A61L 2/16 (2006.01) C08J 3/24 (2006.01) C08J 3/28 (2006.01) C08L 83/08 (2006.01) C09B 69/10 (2006.01) C09D 5/14 (2006.01)**

[25] EN

[54] **CROSS-LINKED POLYMERIC MATERIALS, METHODS OF THEIR PREPARATION AND USES THEREOF**

[54] **MATERIAUX POLYMERES RETICULES, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS**

[72] WOLF, MICHAEL, CA

[72] WRIGHT, TAYLOR, CA

[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[85] 2022-08-02

[86] 2021-02-02 (PCT/CA2021/050116)

[87] (WO2021/155461)

[30] US (62/969,360) 2020-02-03

[21] **3,169,959**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/26 (2006.01) A61P 11/06 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION CONTAINING ANTI-IL-4R ANTIBODY AND USE THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN ANTICORPS ANTI-IL-4R ET SON UTILISATION**

[72] WU, TINGTING, CN

[72] YAN, ZHEN, CN

[72] LIU, XUN, CN

[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN

[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN

[85] 2022-08-02

[86] 2021-02-19 (PCT/CN2021/076854)

[87] (WO2021/164728)

[30] CN (202010107765.0) 2020-02-21

[30] CN (202110145455.2) 2021-02-02

[21] **3,169,960**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C07K 16/44 (2006.01)**

[25] EN

[54] **ANTI-DINITROPHENOL CHIMERIC ANTIGEN RECEPTORS**

[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ANTI-DINITROPHENOL**

[72] JENSEN, MICHAEL C., US

[72] MATTHAEI, JAMES F., US

[72] CHENG, JOSEPH K., US

[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US

[85] 2022-08-02

[86] 2021-02-02 (PCT/US2021/016177)

[87] (WO2021/158523)

[30] US (62/969,931) 2020-02-04

Demandes PCT entrant en phase nationale

[21] **3,169,961**
[13] A1

[51] **Int.Cl. C12N 15/81 (2006.01) C12N 9/00 (2006.01) C12N 9/50 (2006.01) C12N 15/52 (2006.01) C12N 15/67 (2006.01)**

[25] EN

[54] **RECOMBINANT EXPRESSION PLATFORM, CONSTRUCTS AND METHODS FOR EXPRESSION OF DIFFICULT TO EXPRESS PROTEINS (DTE-PS)**

[54] **PLATEFORME D'EXPRESSION RECOMBINANTE, CONSTRUCTIONS ET METHODES D'EXPRESSION DE PROTEINES DIFFICILES A EXPRIMER (DTE-P)**

[72] ARORA, KAJAL, IN
[72] KUNDU, PRABUDDHA KUMAR, IN
[72] RASTOGI, RUCHIR, IN
[72] ARORA, NUPUR MEHROTRA, IN
[71] PREMAS BIOTECH PRIVATE LIMITED, IN
[85] 2022-08-02
[86] 2021-02-03 (PCT/IN2021/050111)
[87] (WO2021/156890)
[30] IN (202011002479) 2020-02-03

[21] **3,169,963**
[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] **ANTIBODIES FOR USE IN THERAPY**

[54] **ANTICORPS DESTINES A ETRE UTILISES EN THERAPIE**

[72] SAHIN, UGUR, DE
[72] MUIK, ALEXANDER, DE
[72] ALTINTAS, ISIL, NL
[72] FORSSMANN, ULF, DK
[72] SASSER, KATE, US
[72] JURE-KUNKEL, MARIA N., US
[72] GUPTA, MANISH, US
[71] GENMAB A/S, DK
[71] BIONTECH SE, DE
[85] 2022-08-03
[86] 2021-02-04 (PCT/EP2021/052587)
[87] (WO2021/156326)
[30] US (62/970,046) 2020-02-04
[30] US (63/027,702) 2020-05-20
[30] US (63/110,633) 2020-11-06

[21] **3,169,967**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C12N 9/12 (2006.01)**

[25] EN

[54] **TIE2-BINDING AGENTS AND METHODS OF USE**

[54] **AGENTS DE LIAISON A TIE2 ET LEURS PROCEDES D'UTILISATION**

[72] YAN, MINHONG, US
[72] ZHANG, GU, US
[72] AGARD, NICHOLAS JOHN, US
[72] DICARA, DANIELLE MARIE, US
[72] HASS, PHILIP E., US
[72] HANG, JULIE Q., US
[72] CHRISTENSEN, ERIN L., US
[72] MORSE, ROBERT PAUL, US
[72] SANOWAR, SARAH, US
[72] SHIVVA, VITTAL, US
[71] GENENTECH, INC., US
[85] 2022-08-02
[86] 2021-03-22 (PCT/US2021/023381)
[87] (WO2021/194913)
[30] US (62/993,930) 2020-03-24
[30] US (63/046,318) 2020-06-30

[21] **3,169,969**
[13] A1

[51] **Int.Cl. A61K 31/045 (2006.01) A61K 35/64 (2015.01)**

[25] EN

[54] **ORAL SUSPENSION WITH ANTIULCEROUS AND CHEMOPROTECTIVE EFFECT ON COLON CANCER AND METHOD FOR ITS PREPARATION**

[54] **SUSPENSION ORALE A EFFET ANTIULCEREUX ET CHIMIOPROTECTEUR SUR LE CANCER DU COLON ET PROCEDE POUR SA PREPARATION**

[72] GONZALEZ CANAVACIOLO, VICTOR LUIS, CU
[72] VICENTE MURILLO, ROXANA, CU
[72] RODRIGUEZ ZAMORA, REYNERIO, CU
[72] BENITEZ GUERRA, NIURKA, CU
[72] RODRIGUEZ LEYES, EDUARDO ANTONIO, CU
[72] MOLINA CUEVAS, VIVIAN, CU
[72] MENDOZA CASTANO, SARAHI, CU
[72] OYARZABAL YERA, AMBAR, CU
[71] CENTRO NACIONAL DE INVESTIGACIONES CIENTIFICAS, CU
[71] EMPRESA LABORATORIO FARMACEUTICO LIQUIDOS ORALES MEDILIP, CU
[85] 2022-08-02
[86] 2020-12-14 (PCT/CU2020/050008)
[87] (WO2021/155871)
[30] CU (2020-0007) 2020-02-03

[21] **3,169,971**
[13] A1

[51] **Int.Cl. A61L 15/22 (2006.01) A61F 13/36 (2006.01) A61L 15/32 (2006.01)**

[25] EN

[54] **HEMOSTATIC DRESSING AND METHOD FOR MANUFACTURING THE SAME**

[54] **OUTIL HEMOSTATIQUE ET SON PROCEDE DE FABRICATION**

[72] KIM, SOO MI, KR
[72] KOH, MI YOUNG, KR
[72] KIM, HONG KEE, KR
[72] KIM, KEUM YEON, KR
[72] LEE, MOON SUE, KR
[71] INNOTHERAPY INC., KR
[85] 2022-08-02
[86] 2020-10-19 (PCT/KR2020/014248)
[87] (WO2021/177536)
[30] KR (10-2020-0025776) 2020-03-02

PCT Applications Entering the National Phase

[21] **3,169,973**
[13] A1

[51] **Int.Cl. C12N 1/16 (2006.01) A23K 10/16 (2016.01) A23L 31/10 (2016.01) A23L 33/14 (2016.01) A61K 8/9728 (2017.01) A61K 36/06 (2006.01) C12N 9/10 (2006.01) C12P 7/64 (2022.01)**

[25] EN

[54] **VARIANT OF GENUS YARROWIA AND METHOD OF PREPARING FAT USING THE SAME**

[54] **VARIANT DE YARROWIA SP. ET PROCEDE DE PREPARATION DE MATIERE GRASSE A L'AIDE DE CELUI-CI**

[72] JANG, JIRYANG, KR
[72] LEE, PETER, KR
[72] BAE, JEE YEON, KR
[72] KIM, JU-YEON, KR
[72] PARK, HYE MIN, KR
[72] KIM, HYUNG JOON, KR
[72] PARK, SANG MIN, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2022-08-02
[86] 2021-03-05 (PCT/KR2021/002774)
[87] (WO2021/182808)
[30] KR (10-2020-0029137) 2020-03-09

[21] **3,169,974**
[13] A1

[51] **Int.Cl. B21C 37/08 (2006.01) B21C 37/30 (2006.01) B21D 5/12 (2006.01)**

[25] EN

[54] **ELECTRIC RESISTANCE WELDED STEEL PIPE, METHOD FOR MANUFACTURING THE SAME, AND AUTOMOTIVE STRUCTURAL MEMBER**

[54] **TUYAU EN ACIER SOUDE PAR RESISTANCE ELECTRIQUE ET SON PROCEDE DE PRODUCTION, ET ELEMENT STRUCTURAL POUR AUTOMOBILE**

[72] NAKAZAWA, RYO, JP
[72] SHIROSAWA, HIROYUKI, JP
[72] IDE, SHINSUKE, JP
[71] JFE STEEL CORPORATION, JP
[85] 2022-08-02
[86] 2021-03-15 (PCT/JP2021/010334)
[87] (WO2021/187408)
[30] JP (2020-047317) 2020-03-18

[21] **3,169,975**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 33/42 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) C07F 9/53 (2006.01)**

[25] EN

[54] **HETEROCYCLIC GLP-1 AGONISTS**

[54] **AGONISTES HETEROCYCLIQUES DE GLP-1**

[72] MENG, QINGHUA, CN
[72] LIN, XICHEN, CN
[72] ZHANG, HAIZHEN, CN
[72] XING, WEIQIANG, CN
[72] LEI, HUI, CN
[72] JENNINGS, ANDREW, US
[71] GASHERBRUM BIO, INC., US
[85] 2022-08-03
[86] 2021-02-05 (PCT/CN2021/075488)
[87] (WO2021/155841)
[30] CN (PCT/CN2020/074537) 2020-02-07
[30] CN (PCT/CN2020/109304) 2020-08-14

[21] **3,169,977**
[13] A1

[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**

[25] EN

[54] **AN OUTLET VALVE FOR AN OSTOMY APPLIANCE**

[54] **DISPOSITIF DE SURVEILLANCE DESTINE A UN APPAREIL POUR STOMIE**

[72] HOLROYD, SIMON, GB
[72] BAKER, DOMINIC, GB
[72] TAAL, STEFAN, GB
[71] CONVATEC LIMITED, GB
[85] 2022-08-03
[86] 2021-02-18 (PCT/GB2021/050391)
[87] (WO2021/165674)
[30] GB (2022314.9) 2020-02-19
[30] GB (2022316.4) 2020-02-19

[21] **3,169,979**
[13] A1

[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**

[25] EN

[54] **AN OUTLET VALVE FOR AN OSTOMY APPLIANCE**

[54] **SOUPAPE DE REFOULEMENT POUR APPAREIL DE STOMIE**

[72] HOLROYD, SIMON, GB
[72] BAKER, DOMINIC, GB
[72] TAAL, STEFAN, GB
[72] LACY, GRAHAM, GB
[71] CONVATEC LIMITED, GB
[85] 2022-08-03
[86] 2021-02-18 (PCT/GB2021/050393)
[87] (WO2021/165676)
[30] GB (2022317.2) 2020-02-19
[30] GB (2022318.0) 2020-02-19
[30] GB (2022319.8) 2020-02-19

[21] **3,169,980**
[13] A1

[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **ANTI-IL-2 ANTIBODY, AND ANTIGEN-BINDING FRAGMENT THEREOF AND MEDICAL USE THEREOF**

[54] **ANTICORPS ANTI-IL-2 ET FRAGMENT DE LIAISON A L'ANTIGENE DE CELUI-CI ET UTILISATION MEDICALE DE CEUX-CI**

[72] LIN, YUAN, CN
[72] ZHU, FUXIANG, CN
[72] LIAO, CHENG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN
[85] 2022-08-03
[86] 2021-02-19 (PCT/CN2021/076806)
[87] (WO2021/164722)
[30] CN (202010107662.4) 2020-02-21

Demandes PCT entrant en phase nationale

[21] **3,169,982**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/00 (2006.01) A61P 37/08 (2006.01)**

[25] EN

[54] **A SINGLE LAYER CHEWABLE TABLET COMPRISING CETIRIZINE**

[54] **COMPRIME A MACHER MONOCOUCHE COMPRENANT DE LA CETIRIZINE**

[72] WALDMAN, JOEL H., US

[71] JOHNSON & JOHNSON CONSUMER INC., US

[85] 2022-08-03

[86] 2021-01-25 (PCT/IB2021/050550)

[87] (WO2021/156698)

[30] US (62/969,357) 2020-02-03

[21] **3,169,983**
[13] A1

[51] **Int.Cl. B01J 3/04 (2006.01) B01J 19/00 (2006.01) B01J 19/24 (2006.01) C07C 273/04 (2006.01)**

[25] EN

[54] **PROCESS AND PLANT FOR THE SYNTHESIS OF UREA**

[54] **PROCEDE ET INSTALLATION DE SYNTHESE D'UREE**

[72] MARRONE, LEONARDO, IT

[72] BERTINI, PAOLO, CH

[72] FUMAGALLI, MATTEO, IT

[71] CASALE SA, CH

[85] 2022-08-03

[86] 2021-02-09 (PCT/EP2021/053036)

[87] (WO2021/170391)

[30] EP (20159396.9) 2020-02-25

[21] **3,169,984**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/165 (2006.01) A61K 31/337 (2006.01) A61K 31/407 (2006.01) A61K 31/537 (2006.01)**

[25] EN

[54] **METHODS AND USE FOR BIOENGINEERING ENUCLEATED CELLS**

[54] **METHODES ET UTILISATION POUR LA MODIFICATION GENETIQUE DE CELLULES ENUCLEEES**

[72] KLEMKE, RICHARD, US

[72] WANG, HUAWEI, US

[72] PI, WILLIE, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2022-08-03

[86] 2021-02-05 (PCT/US2021/016919)

[87] (WO2021/158991)

[30] US (62/971,526) 2020-02-07

[30] US (62/993,967) 2020-03-24

[30] US (62/994,598) 2020-03-25

[21] **3,169,987**
[13] A1

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

[25] EN

[54] **BLOOD MONITORING SYSTEM FOR DETERMINING A CALIBRATED HEMOGLOBIN CONCENTRATION VALUE FOR A PATIENT BASED ON PATIENT-SPECIFIC MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION DATA**

[54] **SYSTEME DE SURVEILLANCE DU SANG POUR DETERMINER UNE VALEUR DE CONCENTRATION D'HEMOGLOBINE ETALONNEE POUR UN PATIENT SUR LA BASE DE DONNEES DE CONCENTRATION D'HEMOGLOBINE CORPUSCULAIRE MOYENNE SPECIFIQUES A UN PATIENT**

[72] THIJSSSEN, STEPHAN, US

[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US

[85] 2022-08-03

[86] 2021-03-26 (PCT/US2021/024463)

[87] (WO2021/202304)

[30] US (16/836,721) 2020-03-31

[21] **3,169,988**
[13] A1

[51] **Int.Cl. A61K 31/403 (2006.01) A61K 31/423 (2006.01) A61K 31/438 (2006.01) A61P 25/00 (2006.01) A61P 27/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 401/08 (2006.01) C07D 403/08 (2006.01) C07D 413/08 (2006.01)**

[25] EN

[54] **MONOACYLGLYCEROL LIPASE MODULATORS**

[54] **MODULATEURS DE LA MONOACYLGLYCEROL LIPASE**

[72] AMERIKS, MICHAEL K., US

[72] BERRY, CYNTHIA B., US

[72] GARCIA-REYNAGA, PABLO, US

[72] LAFORTEZA, BRIAN NGO, US

[72] LIANG, JIMMY T., US

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2022-08-03

[86] 2021-02-09 (PCT/EP2021/053062)

[87] (WO2021/160602)

[30] US (62/972,484) 2020-02-10

[21] **3,169,989**
[13] A1

[51] **Int.Cl. G06V 20/58 (2022.01)**

[25] EN

[54] **METHOD AND DEVICE FOR GENERATING COMBINED SCENARIOS**

[54] **PROCEDE ET DISPOSITIF POUR GENERER DES SCENARIOS COMBINES**

[72] PUSKUL, OZGUR NURETTIN, DE

[72] BOYSEN, JORN, DE

[72] WEIDAUER, JAN, DE

[71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE

[85] 2022-08-03

[86] 2021-02-11 (PCT/EP2021/053294)

[87] (WO2021/165129)

[30] EP (20158378.8) 2020-02-20

PCT Applications Entering the National Phase

[21] **3,169,991**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **HAPLOTYPE-BASED TREATMENT OF RP1 ASSOCIATED RETINAL DEGENERATIONS**

[54] **TRAITEMENT A BASE D'HAPLOTYPE DE DEGENERESCENCES RETINIENNES ASSOCIEES A RP1**

[72] LIU, QIN, US

[72] COLLIN, CAITLIN, US

[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US

[85] 2022-08-03

[86] 2021-02-12 (PCT/US2021/017942)

[87] (WO2021/163550)

[30] US (62/975,636) 2020-02-12

[21] **3,169,992**
[13] A1

[51] **Int.Cl. A41G 1/00 (2006.01) B44D 3/00 (2006.01) B44D 3/22 (2006.01) B44F 5/00 (2006.01) B44F 7/00 (2006.01)**

[25] EN

[54] **COLOR-TRANSFER WICKING ART KIT**

[54] **KIT D'ART DE MECHAGE A TRANSFERT DE COULEUR**

[72] HENRY, ROBERT J., US

[72] JOHNSON, REGAN, US

[72] KESILMAN, JENNIFER, US

[72] ZELACHOWSKI, SCOTT, US

[71] CRAYOLA LLC, US

[85] 2022-08-03

[86] 2021-02-10 (PCT/US2021/017321)

[87] (WO2021/163090)

[30] US (62/972,423) 2020-02-10

[30] US (17/171,792) 2021-02-09

[21] **3,169,993**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1455 (2006.01) A61B 5/1459 (2006.01) A61N 1/362 (2006.01) A61B 18/00 (2006.01)**

[25] EN

[54] **A MYOCARDIAL SPECTROMETER PROBE AND A METHOD OF MONITORING THE HEART MUSCLE**

[54] **SONDE DE SPECTROMETRE MYOCARDIQUE ET PROCEDE DE SURVEILLANCE DU MUSCLE CARDIAQUE**

[72] KOTILAHTI, KALLE, FI

[72] PATILA, TOMMI, FI

[71] SPECTROCOR OY, FI

[85] 2022-08-03

[86] 2021-02-03 (PCT/FI2021/050074)

[87] (WO2021/156544)

[30] FI (20205108) 2020-02-03

[21] **3,169,994**
[13] A1

[51] **Int.Cl. A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 37/00 (2006.01)**

[25] EN

[54] **METHODS FOR THE TREATMENT OF SCLERODERMA AND RELATED CONDITIONS**

[54] **METHODES DE TRAITEMENT DE LA SCLERODERMIE ET D'ETATS ASSOCIES**

[72] THOMPSON, ELIZABETH, BM

[72] RAMANATHAN, SRINI, BM

[71] HORIZON THERAPEUTICS IRELAND DAC, IE

[85] 2022-08-03

[86] 2021-02-04 (PCT/US2021/016666)

[87] (WO2021/158823)

[30] US (62/970,063) 2020-02-04

[30] US (63/049,522) 2020-07-08

[21] **3,169,996**
[13] A1

[51] **Int.Cl. A61K 38/36 (2006.01) A61P 7/04 (2006.01)**

[25] EN

[54] **TREATMENT OF MENORRHAGIA IN PATIENTS WITH SEVERE VON WILLEBRAND DISEASE BY ADMINISTRATION OF RECOMBINANT VWF**

[54] **TRAITEMENT DE LA MENORRAGIE CHEZ DES PATIENTS ATTEINTS DE MALADIE DE VON WILLEBRAND SEVERE PAR ADMINISTRATION DE VWF RECOMBINANT**

[72] PLODER, BETTINA, AT

[72] TRUONG-BERTHOZ, FRANCOISE, CH

[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP

[85] 2022-08-03

[86] 2021-02-04 (PCT/US2021/016592)

[87] (WO2021/158777)

[30] US (62/969,998) 2020-02-04

[21] **3,169,997**
[13] A1

[51] **Int.Cl. B67D 1/08 (2006.01) B67D 1/10 (2006.01)**

[25] EN

[54] **BEVERAGE DISPENSER WITH CONSUMABLE MONITORING SYSTEM**

[54] **DISTRIBUTEUR DE BOISSON AVEC SYSTEME DE SURVEILLANCE CONSOMMABLE**

[72] KAMBLE, RAHUL, US

[72] ANSARI, MUHAMMAD, US

[72] BAKHAREV, ALEKSEY, US

[71] PEPSICO, INC., US

[85] 2022-08-03

[86] 2021-02-04 (PCT/US2021/016565)

[87] (WO2021/162929)

[30] US (16/786,479) 2020-02-10

Demandes PCT entrant en phase nationale

[21] **3,169,998**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) G06N 99/00 (2019.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE SELECTION AND CONFIGURATION ET SELECTION D'INTELLIGENCE ARTIFICIELLE**
[54] **CONFIGURATION ET SELECTION D'INTELLIGENCE ARTIFICIELLE**
[72] CELLA, CHARLES HOWARD, US
[72] EL-TAHRY, TEYMOUR S., US
[72] PARENTI, JENNA LYNN, US
[72] CHARON, TAYLOR D., US
[71] STRONG FORCE TX PORTFOLIO 2018, LLC, US
[85] 2022-08-03
[86] 2021-02-03 (PCT/US2021/016473)
[87] (WO2021/158702)
[30] US (16/780,519) 2020-02-03
[30] US (62/994,581) 2020-03-25
[30] US (63/069,542) 2020-08-24
[30] US (63/127,980) 2020-12-18

[21] **3,170,001**
[13] A1

[51] **Int.Cl. H03K 5/135 (2006.01) H03L 7/06 (2006.01)**
[25] EN
[54] **CONTROL ARRANGEMENT AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE**
[72] SANTOS, JORGE, FI
[72] LAHTEENMAKI, PASI, FI
[71] IQM FINLAND OY, FI
[85] 2022-08-03
[86] 2021-02-04 (PCT/FI2021/050077)
[87] (WO2021/156545)
[30] EP (20156207.1) 2020-02-07

[21] **3,170,002**
[13] A1

[51] **Int.Cl. B01D 19/00 (2006.01) G01F 1/00 (2022.01) G01F 15/08 (2006.01)**
[25] EN
[54] **SEPARATION SYSTEM FOR A FUEL CELL SYSTEM**
[54] **SYSTEME DE SEPARATION POUR UN SYSTEME DE PILE A COMBUSTIBLE**
[72] KAMMERSTETTER, HERIBERT, AT
[72] BISCHOF, DAVID, AT
[72] KUGELE, CHRISTOPH, AT
[72] FISCHER, JOACHIM, AT
[72] DERSCHMIDT, OTFRIED, AT
[71] AVL LIST GMBH, AT
[85] 2022-08-04
[86] 2021-02-03 (PCT/AT2021/060040)
[87] (WO2021/155415)
[30] AT (A50087/2020) 2020-02-04

[21] **3,170,006**
[13] A1

[51] **Int.Cl. E04H 4/08 (2006.01)**
[25] EN
[54] **A SPA POOL COVER LIFTER, AND A SPA POOL INCLUDING A SPA POOL COVER LIFTER**
[54] **DISPOSITIF DE LEVAGE DE COUVERCLE DE BASSIN DE SPA, ET BASSIN DE SPA COMPRENANT UN DISPOSITIF DE LEVAGE DE COUVERCLE DE BASSIN DE SPA**
[72] FISHER, ADAM, AU
[72] LOUAT, STEPHEN, AU
[71] VORTEX LEISURE PTY LTD, AU
[85] 2022-08-05
[86] 2021-07-09 (PCT/AU2021/050733)
[87] (WO2022/011413)
[30] AU (2020902460) 2020-07-16

[21] **3,170,010**
[13] A1

[51] **Int.Cl. A01D 41/12 (2006.01) A01F 12/48 (2006.01)**
[25] EN
[54] **WEED SEED DESTRUCTION**
[54] **DESTRUCTION DE GRAINES DE MAUVAISES HERBES**
[72] MAYERLE, DEAN, CA
[72] HALL, BRANDON A., CA
[71] TRITANA INTELLECTUAL PROPERTY LTD., CA
[85] 2022-08-04
[86] 2021-02-02 (PCT/CA2021/050115)
[87] (WO2021/179059)
[30] US (62/988,514) 2020-03-12

[21] **3,170,012**
[13] A1

[51] **Int.Cl. G06F 40/35 (2020.01) G06F 40/40 (2020.01) G06F 40/56 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONVERSATIONAL MIDDLEWARE PLATFORM**
[54] **SYSTEME ET PROCEDE POUR PLATEFORME INTERGICIELLE CONVERSATIONNELLE**
[72] AHMADIDANESHASHTIANI, MOHAMMADHOSEIN, CA
[72] JAISWAL, DEVINA, CA
[72] LIU, HANKE, CA
[71] MACNAMARA, DARREN MICHAEL, CA
[72] MIDDLETON, IAN ROBERT, CA
[72] MUNRO, SHAWN HAROLD, CA
[72] SANG, BO, CA
[72] TO, KYLIE, CA
[71] ROYAL BANK OF CANADA, CA
[85] 2022-08-05
[86] 2021-02-08 (PCT/CA2021/050142)
[87] (WO2021/155480)
[30] US (62/971,617) 2020-02-07
[30] US (63/071,553) 2020-08-28

[21] **3,170,015**
[13] A1

[51] **Int.Cl. B01D 21/26 (2006.01)**
[25] EN
[54] **PARTICLE SEPARATION BY DENSITY**
[54] **SEPARATION DE PARTICULES PAR DENSITE**
[72] GILLIS, ANDREW, CA
[71] SEPRO MINERAL SYSTEMS CORP., CA
[85] 2022-08-08
[86] 2021-04-19 (PCT/CA2021/050528)
[87] (WO2021/212216)
[30] US (63/013,289) 2020-04-21

PCT Applications Entering the National Phase

[21] **3,170,016**
[13] A1

[51] **Int.Cl. G06N 10/00 (2022.01)**
[25] EN
[54] **MEASUREMENT SCHEME FOR SUPERCONDUCTING QUBITS USING LOW-FREQUENCY MICROWAVE SIGNALS WITHIN A DILUTION REFRIGERATOR**
[54] **SCHEMA DE MESURE POUR QUBITS SUPRACONDUCTEURS UTILISANT DES SIGNAUX MICRO-ONDES BASSE FREQUENCE DANS UN REFRIGERATEUR A DILUTION**
[72] ABDO, BALEEGH, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2021-10-18
[86] 2020-03-23 (PCT/EP2020/057989)
[87] (WO2020/212092)
[30] US (16/387,789) 2019-04-18

[21] **3,170,019**
[13] A1

[51] **Int.Cl. C07D 491/22 (2006.01) A61K 47/68 (2017.01) A61K 31/4375 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A CAMPTOTHECIN DRUG AND ITS ANTIBODY CONJUGATE THEREOF**
[54] **MEDICAMENT DE CAMPTOTHECINE ET UN CONJUGUE D'ANTICORPS DE CELUI-CI**
[72] ZHU, YI, CN
[72] WAN, WEILI, CN
[72] ZHUO, SHI, CN
[72] QIN, WENFANG, CN
[72] ZHANG, YONG, CN
[71] BAILI-BIO (CHENGDU) PHARMACEUTICAL CO., LTD., CN
[85] 2022-08-04
[86] 2020-09-15 (PCT/CN2020/115429)
[87] (WO2022/056696)

[21] **3,170,020**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **ANTI-HPV T CELL RECEPTORS AND ENGINEERED CELLS**
[54] **RECEPTEURS DE LYMPHOCYTES T ANTI-HPV ET CELLULES MODIFIEES**
[72] ZHAO, LIXIA, US
[72] CHEN, RUI, US
[72] BRYSON, PAUL, US
[72] LI, SI, US
[72] WU, HAIYANG, CN
[72] ZHOU, JIE, CN
[72] SU, ZHENBO, CN
[71] TCRURE BIOPHARMA CORP., US
[71] GUANGDONG TCRURE BIOPHARMA TECHNOLOGY CO., LTD., CN
[85] 2022-08-05
[86] 2021-02-05 (PCT/CN2021/075388)
[87] (WO2021/155830)
[30] CN (PCT/CN2020/074366) 2020-02-05

[21] **3,170,021**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF PYRIDO[1,2-A]PYRIMIDINONE COMPOUND IN TREATING LYMPHOMA**
[54] **UTILISATION D'UN COMPOSE DE PYRIDO[1,2-A]PYRIMIDINONE DANS LE TRAITEMENT DU LYMPHOME**
[72] FENG, FAN, CN
[72] WANG, XUNQIANG, CN
[72] CHEN, LI, CN
[72] HAN, XI, CN
[72] WU, NAIYING, CN
[72] MA, RUITING, CN
[72] YANG, CHAOQIANG, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2022-08-05
[86] 2021-02-10 (PCT/CN2021/076423)
[87] (WO2021/160147)
[30] CN (202010084226.X) 2020-02-10
[30] CN (202010084209.6) 2020-02-10
[30] CN (202010084222.1) 2020-02-10
[30] CN (202010967167.0) 2020-09-15

[21] **3,170,023**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTIBODIES AND CHIMERIC ANTIGEN RECEPTORS TARGETING GLYPICAN-3 (GPC3) AND METHODS OF USE THEREOF**
[54] **ANTICORPS ET RECEPTEURS ANTIGENIQUES CHIMERIQUES CIBLANT LE GLYPLICANE-3 (GPC3) ET LEURS PROCEDES D'UTILISATION**
[72] FAN, XIAOHU, CA
[72] MAO, JIE, CN
[72] ZHUANG, QIUCHUAN, CN
[72] WANG, RUIXUE, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2022-08-04
[86] 2021-02-26 (PCT/CN2021/078203)
[87] (WO2021/170100)
[30] CN (PCT/CN2020/076937) 2020-02-27

[21] **3,170,025**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01) C12N 15/13 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **PVRIG BINDING PROTEIN AND ITS MEDICAL USES**
[54] **PROTEINE DE LIAISON A PVGRIG ET SES UTILISATIONS MEDICALES**
[72] LIN, YUAN, CN
[72] LIN, KAN, CN
[72] JIN, XINSHENG, CN
[72] ZHANG, MAN, CN
[72] LIAO, CHENG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD., CN
[85] 2022-08-04
[86] 2021-03-12 (PCT/CN2021/080470)
[87] (WO2021/180205)
[30] CN (202010174835.4) 2020-03-13

Demandes PCT entrant en phase nationale

[21] **3,170,027**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/44 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION CONTAINING REGORAFENIB AND A STABILIZING AGENT**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DU REGORAFENIB ET UN AGENT STABILISANT**

[72] MULLER, MARTIN GUNTER, DE

[72] HOHEISEL, WERNER, DE

[71] BAYER AKTIENGESELLSCHAFT, DE

[85] 2022-08-04

[86] 2021-02-01 (PCT/EP2021/052251)

[87] (WO2021/156172)

[30] EP (20156003.4) 2020-02-07

[21] **3,170,028**
[13] A1

[51] **Int.Cl. B60B 11/10 (2006.01) B60B 15/26 (2006.01)**

[25] EN

[54] **EMERGENCY WHEEL ATTACHMENT FOR A VEHICLE WHEEL**

[54] **ACCESSOIRE DE ROUE D'URGENCE POUR UNE ROUE DE VEHICULE**

[72] TSIBERIDIS, KONSTANTINOS, DE

[71] GV ENGINEERING GMBH, DE

[85] 2022-08-04

[86] 2021-02-24 (PCT/EP2021/054558)

[87] (WO2021/170657)

[30] DE (10 2020 001 324.4) 2020-02-28

[21] **3,170,034**
[13] A1

[51] **Int.Cl. G01R 31/12 (2020.01) H02H 9/04 (2006.01) H02H 9/06 (2006.01)**

[25] EN

[54] **OVERVOLTAGE PROTECTION FOR HV BUSHING TEST TAP PROTECTION CONTRE LES SURTENSIONS POUR PRISE D'ESSAI DE TRAVERSEE HAUTE TENSION**

[72] JOHANSSON, KENNETH, SE

[71] HITACHI ENERGY SWITZERLAND AG, CH

[85] 2022-08-04

[86] 2021-02-25 (PCT/EP2021/054756)

[87] (WO2021/175705)

[30] EP (20160556.5) 2020-03-03

[21] **3,170,042**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01) A61F 2/24 (2006.01)**

[25] EN

[54] **SUPPORT-GUIDED STEERING OF A CATHETER**

[54] **DIRECTION GUIDEE PAR SUPPORT D'UN CATHETER**

[72] HARITON, ILIA, IL

[72] SHUA, OREN, IL

[72] IAMBERGER, MENI, IL

[71] CARDIOVALVE LTD., IL

[85] 2022-08-04

[86] 2021-02-04 (PCT/IL2021/050132)

[87] (WO2021/156866)

[30] US (62/969,795) 2020-02-04

[21] **3,170,049**
[13] A1

[51] **Int.Cl. G05B 13/02 (2006.01) G05B 13/04 (2006.01) G05B 19/418 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **EVENT PREDICTION**

[54] **PREDICTION D'EVENEMENT**

[72] ZAFIROVIC-VUKOTIC, MIRJANA, CA

[72] SAKIC, ERMIN, DE

[72] RIEDL, JOHANNES, DE

[71] SIEMENS CANADA LIMITED, CA

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2022-08-04

[86] 2020-02-06 (PCT/US2020/016904)

[87] (WO2021/158220)

[21] **3,170,053**
[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/00 (2006.01)**

[25] EN

[54] **WATER DISINFECTING MODULE, SYSTEMS AND METHODS**

[54] **MODULE, SYSTEMES ET PROCEDES DE DESINFECTION DE L'EAU**

[72] PUGH, STEVEN FRANKLIN, US

[72] KRAUSE, JOHN, US

[71] AQUISENSE TECHNOLOGIES LLC, US

[85] 2022-08-04

[86] 2021-01-12 (PCT/US2021/013016)

[87] (WO2021/162812)

[30] US (16/789,187) 2020-02-12

[21] **3,170,057**
[13] A1

[51] **Int.Cl. F42D 1/05 (2006.01) E21B 43/1185 (2006.01)**

[25] EN

[54] **INTEGRATED DETONATOR SENSORS**

[54] **CAPTEURS INTEGRES POUR DETONATEUR**

[72] TEOWEE, GIMTONG, US

[72] RATHBUN, JOHN DAVID, US

[72] HOWE, LARRY S., US

[72] HARDERS, WALTER JACOB, US

[71] AUSTIN STAR DETONATOR COMPANY, US

[85] 2022-08-04

[86] 2021-01-29 (PCT/US2021/015904)

[87] (WO2021/178082)

[30] US (62/970,760) 2020-02-06

[21] **3,170,063**
[13] A1

[51] **Int.Cl. A61K 31/4184 (2006.01) A61K 31/428 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **SUBSTITUTED FUSED IMIDAZOLE DERIVATIVES AND METHODS OF TREATING REFRACTIVE OCULAR DISORDERS**

[54] **DERIVES D'IMIDAZOLE FUSIONNES SUBSTITUES ET PROCEDES DE TRAITEMENT DE TROUBLES OCULAIRES REFRACTIFS**

[72] ATTUCKS, OTIS CLINTON, US

[71] VTV THERAPEUTICS LLC, US

[85] 2022-08-04

[86] 2021-02-01 (PCT/US2021/016018)

[87] (WO2021/158466)

[30] US (62/970,515) 2020-02-05

PCT Applications Entering the National Phase

[21] **3,170,106**
[13] A1

[51] **Int.Cl. A01N 27/00 (2006.01) A01N 3/02 (2006.01) A01N 25/06 (2006.01) A01N 25/22 (2006.01) A01P 21/00 (2006.01) A23B 7/144 (2006.01) A23B 7/154 (2006.01)**

[25] EN

[54] **STABLE 1-METHYLCYCLOPROPENE COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS DE 1-METHYLCYCLOPROPENE STABLES ET LEURS UTILISATIONS**

[72] WOLAN, ANDRZEJ JAN, PL
[72] CZAJKOWSKA, LUCYNA, PL
[72] GURANOWSKA, KATARZYNA ANNA, PL
[72] RAKOWIECKI, MARCIN, PL
[72] ANDRUSIAK, JOANNA, PL
[72] BOSIAK, MARIUSZ JAN, PL
[71] FRESH INSET S.A., PL
[85] 2022-08-03
[86] 2021-01-29 (PCT/IB2021/050746)
[87] (WO2021/156722)
[30] US (62/969,260) 2020-02-03

[21] **3,170,107**
[13] A1

[51] **Int.Cl. F16K 5/06 (2006.01) B23K 9/04 (2006.01) B23K 9/23 (2006.01) C22C 14/00 (2006.01) C23C 4/06 (2016.01) C23C 8/24 (2006.01) F16K 25/00 (2006.01)**

[25] EN

[54] **FUSE-COATED BALL VALVE TRIM**

[54] **GARNITURE DE ROBINET A BILLE REVETUE DE FUSIBLE**

[72] RYBICKI, JOEL, AU
[72] BEWS, DUNCAN, AU
[72] LANTZKE, GARY, AU
[72] ELLIS, JOE, AU
[72] WOOD, DAVID, AU
[71] CALLIDUS PROCESS SOLUTIONS PTY LTD, AU
[85] 2022-08-03
[86] 2021-02-01 (PCT/IB2021/050761)
[87] (WO2021/156724)
[30] AU (2020900303) 2020-02-04

[21] **3,170,108**
[13] A1

[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/132 (2014.01) H04N 19/137 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **IMAGE/VIDEO ENCODING/DECODING METHOD AND APPARATUS USING SAME**

[54] **PROCEDE DE CODAGE ET DE DECODAGE D'IMAGE/DE VIDEO ET APPAREIL L'UTILISANT**

[72] PALURI, SEETHAL, KR
[72] HENDRY, HENDRY, KR
[72] KIM, SEUNGHWAN, KR
[72] ZHAO, JIE, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-06-20
[86] 2020-12-11 (PCT/KR2020/018128)
[87] (WO2021/125699)
[30] US (62/950,960) 2019-12-20

[21] **3,170,109**
[13] A1

[51] **Int.Cl. C01G 41/00 (2006.01) C09D 5/00 (2006.01) C09K 9/00 (2006.01) C30B 29/16 (2006.01)**

[25] EN

[54] **HIGH-PURITY TUNGSTEN(VI) OXYTETRACHLORIDE AND PROCESS FOR PREPARING SAME**

[54] **OXYTETRACHLORURE DE TUNGSTENE (VI) DE PURETE ELEVEE ET SON PROCEDE DE PREPARATION**

[72] SCHNITTER, CHRISTOPH, DE
[72] BRUMM, HOLGER, DE
[72] PASSING, GERD, DE
[72] KUPKA, TOMASZ, DE
[71] TANIOBIS GMBH, DE
[85] 2022-06-21
[86] 2021-01-04 (PCT/EP2021/050013)
[87] (WO2021/140065)
[30] DE (10 2020 200 087.5) 2020-01-07
[30] DE (10 2020 132 629.7) 2020-12-08

[21] **3,170,110**
[13] A1

[51] **Int.Cl. H01J 49/04 (2006.01) H01J 49/06 (2006.01) H01J 49/26 (2006.01)**

[25] EN

[54] **ION INTERFACES AND SYSTEMS AND METHODS USING THEM**

[54] **INTERFACES IONIQUES ET SYSTEMES ET PROCEDES LES UTILISANT**

[72] BADIEI, HAMID, US
[72] FISHER, WILLIAM, US
[72] SAVTCHENKO, SERGUEI, US
[72] ICASIANO, ANDREW, US
[71] PERKINELMER HEALTH SCIENCES CANADA, INC, CA
[85] 2022-08-03
[86] 2021-02-03 (PCT/IB2021/050868)
[87] (WO2021/156762)
[30] US (62/969,924) 2020-02-04
[30] US (16/836,708) 2020-03-31

[21] **3,170,111**
[13] A1

[51] **Int.Cl. A61K 31/4375 (2006.01) A61K 31/4725 (2006.01) A61K 31/502 (2006.01) A61K 31/5025 (2006.01) A61K 31/517 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07D 215/38 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AS DIHYDROOROTATE DEHYDROGENASE INHIBITORS**

[54] **COMPOSES HETEROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE LA DIHYDROOROTATE DESHYDROGENASE**

[72] KUDUK, SCOTT, US
[72] ZHANG, XUQING, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-08-03
[86] 2021-02-04 (PCT/IB2021/050908)
[87] (WO2021/156787)
[30] US (62/969,688) 2020-02-04

Demandes PCT entrant en phase nationale

[21] **3,170,112**
[13] A1

[51] **Int.Cl. A01D 57/20 (2006.01) A01D 61/02 (2006.01) B65G 15/44 (2006.01) B65G 15/52 (2006.01)**

[25] EN

[54] **CONVEYOR DEVICE FOR AGRICULTURAL MACHINERY AND AGRICULTURAL MACHINERY COMPRISING SAID DEVICE**

[54] **DISPOSITIF DE TRANSPORT POUR MACHINE AGRICOLE ET MACHINE AGRICOLE COMPRENANT LEDIT DISPOSITIF**

[72] UBALDI, RAFFAELE, IT

[71] ROC S.R.L., IT

[85] 2022-08-03

[86] 2021-02-05 (PCT/IB2021/050933)

[87] (WO2021/156800)

[30] IT (10202000002242) 2020-02-05

[21] **3,170,113**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01)**

[25] EN

[54] **A MULTI-LAYER SLEEPING COMPARTMENT**

[54] **COMPARTIMENT DE COUCHAGE MULTICOUCHE**

[72] CAMERON-DONALD, KATE ELIZABETH, NZ

[72] WENN, ZOE MARIE-JOSEE JULIA, NZ

[71] AIR NEW ZEALAND LIMITED, NZ

[85] 2022-08-03

[86] 2021-02-18 (PCT/IB2021/051356)

[87] (WO2021/165858)

[30] NZ (761879) 2020-02-20

[21] **3,170,114**
[13] A1

[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 9/16 (2006.01) A61K 47/10 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **ASPACYTARABINE PHARMACEUTICAL COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS PHARMACEUTIQUES D'ASPACYTARABINE ET LEURS UTILISATIONS**

[72] SHUMILOV, MARGARITA, IL

[72] TESSLER, SHOSHI, IL

[71] BIOSIGHT LTD., IL

[85] 2022-08-03

[86] 2021-02-04 (PCT/IL2021/050137)

[87] (WO2021/156869)

[30] US (62/969,769) 2020-02-04

[21] **3,170,115**
[13] A1

[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/70 (2018.01) A61B 5/00 (2006.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR IDENTIFYING TREATABLE AND REMEDIABLE FACTORS OF DEMENTIA AND AGING COGNITIVE CHANGES**

[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE FACTEURS TRAITABLES ET ATTENUABLES DE DEMENCE ET DE CHANGEMENTS COGNITIFS LIES AU VIEILLISSEMENT**

[72] WERTMAN, ELIAHU YOSEF, IL

[71] WERTMAN, ELIAHU YOSEF, IL

[85] 2022-08-03

[86] 2021-02-05 (PCT/IL2021/050139)

[87] (WO2021/156871)

[30] IL (272496) 2020-02-05

[21] **3,170,116**
[13] A1

[51] **Int.Cl. C12G 3/00 (2019.01) C12G 3/04 (2019.01)**

[25] EN

[54] **CONTAINER-PACKED CARBONATED ALCOHOLIC BEVERAGE**

[54] **BOISSON ALCOOLISEE GAZEUSE CONDITIONNEE EN RECIPIENT**

[72] KOZU, SAKI, JP

[72] YOSHIHIRO, AKIRA, JP

[71] SUNTORY HOLDINGS LIMITED, JP

[85] 2022-08-03

[86] 2021-02-09 (PCT/JP2021/004732)

[87] (WO2021/171998)

[30] JP (2020-033947) 2020-02-28

[21] **3,170,118**
[13] A1

[51] **Int.Cl. A61K 31/4353 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **ELONGATION FACTOR 1-ALPHA INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS DU FACTEUR D'ALLONGEMENT 1-ALPHA ET LEURS UTILISATIONS**

[72] TAUNTON, JOHN, US

[72] RUGGERO, DAVIDE, US

[72] WANG, HAOYUAN, US

[72] OLTION, KEELY, US

[72] YANG, HAOJUN, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2022-08-04

[86] 2021-02-05 (PCT/US2021/016790)

[87] (WO2021/158899)

[30] US (62/970,979) 2020-02-06

[30] US (63/031,233) 2020-05-28

PCT Applications Entering the National Phase

[21] **3,170,119**
[13] A1

[51] **Int.Cl. C08F 222/02 (2006.01) C11D 3/37 (2006.01)**

[25] EN

[54] **COPOLYMER FORMULATIONS OF POLY (ITACONIC ACID-CO-2-ACRYLAMIDO-2-METHYLPROPANE SULFONIC ACID) FOR DISHWASHER DETERGENT COMPOSITIONS**

[54] **FORMULATIONS DE COPOLYMERES DE POLY(ACIDE ITACONIQUE-CO-2-ACRYLAMIDO-2-METHYLPROPANE ACIDE SULFONIQUE) POUR COMPOSITIONS DETERGENTES DE LAVE-VAISSELLE**

[72] GORDON, JAMES WILLIAM, GB

[72] JIANG, BO, US

[72] DURANT, YVON, US

[72] SHAW, JOHN, US

[71] ITACONIX CORPORATION, US

[85] 2022-08-03

[86] 2021-02-03 (PCT/US2021/070122)

[87] (WO2021/159146)

[30] US (62/970,500) 2020-02-05

[21] **3,170,120**
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/30 (2006.01)**

[25] EN

[54] **IMPLANT FOR FUSING AT LEAST TWO BONE COMPONENTS AND METHOD OF FUSING BONE COMPONENTS USING THE IMPLANT**

[54] **IMPLANT POUR LA FUSION D'AU MOINS DEUX COMPOSANTS OSSEUX ET METHODE DE FUSION DE COMPOSANTS OSSEUX UTILISANT L'IMPLANT**

[72] MEDOFF, ROBERT, US

[71] TRIMED, INCORPORATED, US

[85] 2022-08-04

[86] 2021-02-05 (PCT/US2021/016817)

[87] (WO2021/158913)

[30] US (62/971,482) 2020-02-07

[21] **3,170,121**
[13] A1

[51] **Int.Cl. A61K 31/437 (2006.01) A61P 27/16 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **PYRROLO[2,3-B]PYRIDINE-3-CARBOXAMIDE COMPOSITIONS AND METHODS FOR AMELIORATING HEARING LOSS**

[54] **COMPOSITIONS DE PYRROLO[2,3-B] PYRIDINE-3-CARBOXAMIDE ET PROCEDES POUR AMELIORER LA PERTE AUDITIVE**

[72] GNEDEVA, KSENIA, US

[72] HUDSPETH, A. JAMES, US

[72] KASTAN, NATHANIEL, US

[72] LIANG, RUI, US

[72] MEINKE, PETER T., US

[72] HUGGINS, DAVID JOHN, US

[72] LIVERTON, NIGEL JOHN, US

[72] BAXT, LEIGH ASHLEY, US

[72] GINN, JOHN DAVID, US

[72] MYERS, ROBERT WALTER, US

[71] THE ROCKEFELLER UNIVERSITY, US

[85] 2022-08-04

[86] 2021-02-05 (PCT/US2021/016848)

[87] (WO2021/158936)

[30] US (62/970,425) 2020-02-05

[21] **3,170,122**
[13] A1

[51] **Int.Cl. A61N 1/372 (2006.01) H01R 13/6581 (2011.01) A61B 5/273 (2021.01) A61B 5/024 (2006.01) A61B 5/0245 (2006.01) A61N 1/362 (2006.01)**

[25] EN

[54] **ELECTRICAL CONNECTOR AND COVER FOR SIMULTANEOUSLY CONNECTING EPICARDIAL WIRES, BEDSIDE MONITOR, AND TEMPORARY PACEMAKER**

[54] **CONNECTEUR ELECTRIQUE ET COUVERCLE POUR CONNECTER SIMULTANEMENT DES FILS EPICARDIQUES, UN MONITEUR DE CHEVET ET UN STIMULATEUR CARDIAQUE TEMPORAIRE**

[72] VON BERGEN, NICHOLAS, US

[72] KNOESPEL, MATTHEW, US

[72] TERRIEN, PHILIP, US

[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US

[85] 2022-08-04

[86] 2021-02-09 (PCT/US2021/017179)

[87] (WO2021/163016)

[30] US (16/786,433) 2020-02-10

[21] **3,170,123**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **NOVEL CRISPR-CAS SYSTEMS FOR GENOME EDITING**

[54] **NOUVEAUX SYSTEMES CRISPR-CAS D'EDITION DU GENOME**

[72] GASIUNAS, GIEDRIUS, LT

[72] HOU, ZHENGLIN, US

[72] URBAITIS, TOMAS, LT

[72] YOUNG, JOSHUA K, US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[85] 2022-08-04

[86] 2021-02-11 (PCT/US2021/017593)

[87] (WO2021/173359)

[30] US (62/980,750) 2020-02-24

[30] US (63/030,964) 2020-05-28

Demandes PCT entrant en phase nationale

[21] **3,170,124**
[13] A1

[51] **Int.Cl. A61M 39/06 (2006.01) A61B 17/00 (2006.01) A61B 17/34 (2006.01) A61M 39/00 (2006.01) A61M 39/02 (2006.01)**

[25] EN

[54] **SURGICAL CANNULA WITH REMOVABLE PRESSURE SEAL**

[54] **CANULE CHIRURGICALE AVEC JOINT DE PRESSION AMOVIBLE**

[72] JONES, CHRISTOPHER K., US

[72] SNELL, DOUGLAS, US

[72] RUNNING, ISAAC, US

[72] CHURCHILL, R. SEAN, US

[72] KEMPER, NATHAN, US

[71] EMBODY, INC., US

[85] 2022-08-04

[86] 2021-02-11 (PCT/US2021/017648)

[87] (WO2021/163317)

[30] US (62/972,897) 2020-02-11

[21] **3,170,125**
[13] A1

[51] **Int.Cl. A61F 2/08 (2006.01) A61B 17/00 (2006.01)**

[25] EN

[54] **IMPLANT DELIVERY DEVICE**

[54] **DISPOSITIF DE POSE D'IMPLANT**

[72] CHURCHILL, R. SEAN, US

[72] BALL, ROBERT J., US

[72] SNELL, DOUGLAS, US

[72] RUNNING, ISAAC, US

[72] JONES, CHRISTOPHER K., US

[72] BRYANT, BRANDON, US

[71] EMBODY, INC., US

[85] 2022-08-04

[86] 2021-02-11 (PCT/US2021/017674)

[87] (WO2021/163337)

[30] US (62/972,775) 2020-02-11

[21] **3,170,127**
[13] A1

[51] **Int.Cl. A61B 17/064 (2006.01)**

[25] EN

[54] **SURGICAL ANCHORING DEVICE, DEPLOYMENT DEVICE, AND METHOD OF USE**

[54] **DISPOSITIF D'ANCRAGE CHIRURGICAL, DISPOSITIF DE DEPLOIEMENT ET METHODE D'UTILISATION**

[72] RUNNING, ISAAC, US

[72] BALL, ROBERT J., US

[72] SNELL, DOUGLAS, US

[72] CHURCHILL, R. SEAN, US

[72] MCINTYRE, LOUIS, US

[72] KEMPER, NATHAN, US

[71] EMBODY, INC., US

[85] 2022-08-04

[86] 2021-02-11 (PCT/US2021/017680)

[87] (WO2021/163342)

[30] US (62/972,718) 2020-02-11

[30] US (62/972,722) 2020-02-11

[21] **3,170,128**
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **LONG-ACTING GM-CSF AND METHODS OF USE**

[54] **GM-CSF A ACTION LONGUE ET METHODES D'UTILISATION**

[72] JOSEPH, SEAN, US

[72] LEI, LEI, US

[72] SHEN, WEIJUN, US

[72] WANG, FENG, US

[72] SCHULTZ, PETER, US

[71] THE SCRIPPS RESEARCH INSTITUTE, US

[85] 2022-08-04

[86] 2021-02-11 (PCT/US2021/017684)

[87] (WO2021/163346)

[30] CN (PCT/CN2020/074834) 2020-02-12

[21] **3,170,129**
[13] A1

[51] **Int.Cl. C07K 5/097 (2006.01) A61K 38/06 (2006.01) A61K 38/08 (2019.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01)**

[25] EN

[54] **MELANOMA THERAPEUTICS**

[54] **AGENTS THERAPEUTIQUES DE MELANOME**

[72] HANTASH, BASIL M., US

[71] ESCAPE THERAPEUTICS, INC., US

[85] 2022-08-04

[86] 2021-02-16 (PCT/US2021/018247)

[87] (WO2021/163701)

[21] **3,170,130**
[13] A1

[51] **Int.Cl. E02F 3/96 (2006.01) B25D 17/02 (2006.01) B28D 1/26 (2006.01) E02D 7/08 (2006.01) F16C 29/04 (2006.01)**

[25] EN

[54] **TOOL FOR BREAKING ROCKS**

[54] **OUTIL POUR BRISER DES ROCHES**

[72] JACKMAN, STEPHEN, GB

[72] PFEUFFER, FALKO, DE

[72] DAWSON, IAN, GB

[71] ROCK EXTRACTION LIMITED, GB

[85] 2022-08-05

[86] 2021-01-20 (PCT/EP2021/051203)

[87] (WO2021/160393)

[30] GB (2002042.6) 2020-02-14

[21] **3,170,133**
[13] A1

[51] **Int.Cl. A61K 31/4706 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/7052 (2006.01) A61K 31/706 (2006.01) A61K 38/21 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **ANTI-VIRAL COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS ANTIVIRALES ET PROCEDES D'UTILISATION**

[72] GUNEL, MURAT, US

[72] LANDRETTE, SEAN, US

[72] YOUNG, PETER R., US

[72] LICHENSTEIN, HENRI, US

[71] AI THERAPEUTICS, INC., US

[85] 2022-08-05

[86] 2021-02-03 (PCT/US2021/016378)

[87] (WO2021/158635)

[30] US (62/971,327) 2020-02-07

[30] US (62/992,460) 2020-03-20

[30] US (62/994,483) 2020-03-25

PCT Applications Entering the National Phase

<p style="text-align: center;">[21] 3,170,134 [13] A1</p> <p>[51] Int.Cl. A61K 35/19 (2015.01) A61K 31/137 (2006.01) A61K 31/195 (2006.01) A61K 31/197 (2006.01) A61K 38/16 (2006.01) A61K 38/55 (2006.01) A61P 7/04 (2006.01)</p> <p>[25] EN</p> <p>[54] TREATMENT OF VON WILLEBRAND DISEASE</p> <p>[54] TRAITEMENT DE LA MALADIE DE WILLEBRAND</p> <p>[72] MOSKOWITZ, KEITH ANDREW, US</p> <p>[72] XU, SHAN, US</p> <p>[72] DICKERSON, WILLIAM MATTHEW, US</p> <p>[72] LEE, AMBER NICOLE, US</p> <p>[72] ISHLER, BRADEN CARL, US</p> <p>[72] SHEIK, DANIEL ALLEN, US</p> <p>[71] CELLPHIRE, INC., US</p> <p>[85] 2022-08-04</p> <p>[86] 2021-02-03 (PCT/US2021/016390)</p> <p>[87] (WO2021/158646)</p> <p>[30] US (62/969,942) 2020-02-04</p> <p>[30] US (62/980,850) 2020-02-24</p> <p>[30] US (63/065,337) 2020-08-13</p>	<p style="text-align: center;">[21] 3,170,137 [13] A1</p> <p>[51] Int.Cl. A61K 31/706 (2006.01) A61K 31/7056 (2006.01) A61P 31/14 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR TREATING CORONAVIRUS INFECTIONS</p> <p>[54] METHODE DE TRAITEMENT D'INFECTIONS A CORONAVIRUS</p> <p>[72] SMITH, HAROLD C., US</p> <p>[72] BENNETT, RYAN P., US</p> <p>[71] OYAGEN, INC., US</p> <p>[85] 2022-08-04</p> <p>[86] 2021-02-03 (PCT/US2021/016472)</p> <p>[87] (WO2021/158701)</p> <p>[30] US (62/970,087) 2020-02-04</p> <p>[30] US (62/987,846) 2020-03-10</p> <p>[30] US (63/009,972) 2020-04-14</p>	<p style="text-align: center;">[21] 3,170,141 [13] A1</p> <p>[51] Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/577 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIGEN-BINDING MOLECULES AGAINST ALPPL2 AND/OR ALPP AND USES THEREOF</p> <p>[54] MOLECULES DE LIAISON A L'ANTIGENE DIRIGÉES CONTRE ALPPL2 ET/OU ALPP ET LEURS UTILISATIONS</p> <p>[72] SUN, WILLIAM, SG</p> <p>[72] TAN, BOON OOI PATRICK, SG</p> <p>[72] WANG, HUAJING, SG</p> <p>[72] YAP, THAI LEONG, SG</p> <p>[72] HONG, SHIN YEE, SG</p> <p>[72] WANG, CHENG-I, SG</p> <p>[72] HUANG, CHING-WEN, SG</p> <p>[72] LEE, SHUET THENG, SG</p> <p>[72] WAN, KAH FEI, SG</p> <p>[72] NG, JIAN DUAN JOHNATHAN, SG</p> <p>[71] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG</p> <p>[85] 2022-08-03</p> <p>[86] 2021-02-05 (PCT/SG2021/050061)</p> <p>[87] (WO2021/158178)</p> <p>[30] SG (10202001139U) 2020-02-07</p>
<p style="text-align: center;">[21] 3,170,136 [13] A1</p> <p>[51] Int.Cl. A61B 5/021 (2006.01) A61B 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HYPOTENSION PREDICTION WITH FEATURE TRANSFORMATION FOR ADJUSTABLE HYPOTENSION THRESHOLD</p> <p>[54] PREDICTION D'HYPOTENSION A TRANSFORMATION DE CARACTERISTIQUES POUR SEUIL D'HYPOTENSION AJUSTABLE</p> <p>[72] SCHNEIDER, BRENNAN MICHAEL, US</p> <p>[72] JIAN, ZHONGPING, US</p> <p>[72] AL HATIB, FERAS, US</p> <p>[72] BUDDI, SAI PRASAD, US</p> <p>[71] EDWARDS LIFESCIENCES CORPORATION, US</p> <p>[85] 2022-08-05</p> <p>[86] 2021-02-02 (PCT/US2021/016246)</p> <p>[87] (WO2021/173311)</p> <p>[30] US (62/981,198) 2020-02-25</p>	<p style="text-align: center;">[21] 3,170,138 [13] A1</p> <p>[51] Int.Cl. F41G 5/08 (2006.01) F41G 3/04 (2006.01) G01S 13/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR FIRE CONTROL OF AN ANTI-AIRCRAFT GUN</p> <p>[54] PROCEDE DE COMMANDE DE TIR D'UN PISTOLET ANTI-AERIEN</p> <p>[72] KJELLSTROM, HENDRIC, SE</p> <p>[71] BAE SYSTEMS BOFORS AB, SE</p> <p>[85] 2022-08-03</p> <p>[86] 2021-01-22 (PCT/SE2021/050038)</p> <p>[87] (WO2021/167510)</p> <p>[30] SE (2000032-9) 2020-02-17</p>	<p style="text-align: center;">[21] 3,170,142 [13] A1</p> <p>[51] Int.Cl. A61K 47/54 (2017.01) A61K 47/69 (2017.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] FORMULATED AND/OR CO-FORMULATED LIPOSOME COMPOSITIONS CONTAINING TFG.BETA. ANTAGONIST PRODRUGS USEFUL IN THE TREATMENT OF CANCER AND METHODS THEREOF</p> <p>[54] COMPOSITIONS LIPOSOMALES FORMULEES ET/OU CO-FORMULEES CONTENANT DES PROMEDICAMENTS ANTAGONISTES DE TGF.BETA. UTILES DANS LE TRAITEMENT DU CANCER ET METHODES ASSOCIEES</p> <p>[72] STOVER, DAVID, US</p> <p>[72] BHARALI, DHRUBA, US</p> <p>[72] HAY, BRUCE A., US</p> <p>[72] SAFAIE, TAHMINEH, US</p> <p>[71] NAMMI THERAPEUTICS, INC., US</p> <p>[85] 2022-08-05</p> <p>[86] 2021-02-19 (PCT/US2021/010005)</p> <p>[87] (WO2021/167703)</p> <p>[30] US (62/995,887) 2020-02-19</p>
<p style="text-align: center;">[21] 3,170,140 [13] A1</p> <p>[51] Int.Cl. G01S 3/808 (2006.01) G01S 7/521 (2006.01) G01S 7/539 (2006.01) G01S 15/42 (2006.01) G01S 15/89 (2006.01) G01V 1/18 (2006.01)</p> <p>[25] EN</p> <p>[54] ACTIVE TOWED ARRAY SURFACE NOISE CANCELLATION USING A TRIPLET CARDIOID</p> <p>[54] SUPPRESSION DU BRUIT DE SURFACE DE RESEAUX REMORQUES ACTIFS A L'AIDE D'UN TRIPLET DE CARDIOIDES</p> <p>[72] WILBY, ANDREW, US</p> <p>[71] RAYTHEON COMPANY, US</p> <p>[85] 2022-08-05</p> <p>[86] 2021-01-22 (PCT/US2021/014724)</p> <p>[87] (WO2021/178067)</p> <p>[30] US (16/806,990) 2020-03-02</p>	<p style="text-align: center;">[21] 3,170,141 [13] A1</p> <p>[51] Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/577 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTIGEN-BINDING MOLECULES AGAINST ALPPL2 AND/OR ALPP AND USES THEREOF</p> <p>[54] MOLECULES DE LIAISON A L'ANTIGENE DIRIGÉES CONTRE ALPPL2 ET/OU ALPP ET LEURS UTILISATIONS</p> <p>[72] SUN, WILLIAM, SG</p> <p>[72] TAN, BOON OOI PATRICK, SG</p> <p>[72] WANG, HUAJING, SG</p> <p>[72] YAP, THAI LEONG, SG</p> <p>[72] HONG, SHIN YEE, SG</p> <p>[72] WANG, CHENG-I, SG</p> <p>[72] HUANG, CHING-WEN, SG</p> <p>[72] LEE, SHUET THENG, SG</p> <p>[72] WAN, KAH FEI, SG</p> <p>[72] NG, JIAN DUAN JOHNATHAN, SG</p> <p>[71] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG</p> <p>[85] 2022-08-03</p> <p>[86] 2021-02-05 (PCT/SG2021/050061)</p> <p>[87] (WO2021/158178)</p> <p>[30] SG (10202001139U) 2020-02-07</p>	

Demandes PCT entrant en phase nationale

[21] **3,170,143**
[13] A1

[51] **Int.Cl. A45F 3/18 (2006.01) A45F 3/16 (2006.01) A47G 19/22 (2006.01)**

[25] EN

[54] **SPORT WATER BOTTLE WITH HIGH FLOW RATE**

[54] **BOUTEILLE D'EAU DE SPORT A DEBIT ELEVE**

[72] HAMEL, CARINA MARY, US
[72] RINGER, ROBERT HART, US
[72] HAZELETT, PETER WILLIAM, US
[72] DAVIS, CASEY J., US
[72] JONES, CHRISTOPHER IAN, US
[72] PETER, DANIEL WILLIAM, US
[72] BEARD, MARK CALLEN, US
[71] BIVO, LLC, US
[85] 2022-08-04
[86] 2021-02-04 (PCT/US2021/016652)
[87] (WO2021/158813)
[30] US (62/971,836) 2020-02-07

[21] **3,170,144**
[13] A1

[51] **Int.Cl. A61K 39/35 (2006.01) C07K 7/00 (2006.01) C07K 7/08 (2006.01) C12Q 1/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **ASSAYS FOR DETECTING PEANUT ALLERGIES**

[54] **DOSAGES POUR LA DETECTION D'ALLERGIES A L'ARACHIDE**

[72] GETTS, ROBERT C., US
[72] KEARNEY, PAUL, US
[71] ALLERGENIS LLC, US
[85] 2022-08-04
[86] 2021-02-05 (PCT/US2021/016726)
[87] (WO2021/158857)
[30] US (62/970,822) 2020-02-06

[21] **3,170,145**
[13] A1

[51] **Int.Cl. B67D 1/08 (2006.01) B67D 7/74 (2010.01)**

[25] EN

[54] **UNIT FOR DISPENSING ULTRA-HIGH GRAVITY FERMENTED BEVERAGES ON DRAFT**

[54] **UNITE DE DISTRIBUTION DE BOISSONS FERMENTEES A ULTRA-HAUTE DENSITE A LA PRESSION**

[72] MCGOVERN, RONAN, US
[72] CATALDO, JOHN, US
[72] CIACCIA, NATALIE, US
[72] WEINER, ADAM, US
[72] MA, RICKY, US
[71] ALFA LAVAL COPENHAGEN A/S, DK
[85] 2022-08-05
[86] 2021-02-05 (PCT/US2021/016897)
[87] (WO2021/158975)
[30] US (62/971,447) 2020-02-07

[21] **3,170,146**
[13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06V 10/74 (2022.01) G06V 30/40 (2022.01)**

[25] EN

[54] **DETECTION AND MITIGATION OF CYBER ATTACKS ON BINARY IMAGE RECOGNITION SYSTEMS**

[54] **DETECTION ET ATTENUATION DE CYBERATTQUES DE SYSTEMES DE RECONNAISSANCE D'IMAGE BINAIRE**

[72] BALKANSKI, ERIC, US
[72] CHASE, HARRISON, US
[72] OSHIBA, KOJIN, US
[72] RILEE, ALEXANDER, US
[72] SINGER, YARON, US
[72] WANG, RICHARD, US
[71] ROBUST INTELLIGENCE, INC., US
[85] 2022-08-04
[86] 2021-02-05 (PCT/US2021/016787)
[87] (WO2021/158898)
[30] US (62/971,021) 2020-02-06

[21] **3,170,147**
[13] A1

[51] **Int.Cl. G06F 3/043 (2006.01) G06F 3/044 (2006.01) G06F 3/045 (2006.01) G06F 3/14 (2006.01) G06F 3/147 (2006.01)**

[25] EN

[54] **INTERACTIVE DISPLAY SURFACES**

[54] **SURFACES D'AFFICHAGE INTERACTIVES**

[72] DWORMAN, MATTHEW, US
[72] ASTHANA, GAURAV, US
[72] HART, CHARLES, US
[71] TOUCHWOOD LABS, INC., US
[85] 2022-08-05
[86] 2021-02-05 (PCT/US2021/016914)
[87] (WO2021/158987)
[30] US (62/970,255) 2020-02-05

[21] **3,170,148**
[13] A1

[51] **Int.Cl. G05B 19/42 (2006.01) G07C 5/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR TEST DRIVING MOBILE MACHINE**

[54] **PROCEDE ET SYSTEME DE TEST D'UNE MACHINE MOBILE**

[72] MERG, PATRICK S., US
[72] BROZOVICH, ROY S., US
[72] GRAMMATICO, JOSEPH R., US
[72] FOREMAN, JACOB G., US
[72] CACABELOS, KAHLIL H., US
[72] KELLEY, BRETT A., US
[72] COVINGTON, JOSHUA C., US
[71] SNAP-ON INCORPORATED, US
[85] 2022-08-05
[86] 2020-11-12 (PCT/US2020/060105)
[87] (WO2021/158271)
[30] US (16/785,585) 2020-02-08

PCT Applications Entering the National Phase

[21] **3,170,150**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/215 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **SARS-COV-2 MRNA DOMAIN VACCINES**

[54] **VACCINS A DOMAINE ARNM ANTI SARS-COV-2**

[72] STEWART-JONES, GUILLAUME, US

[71] MODERNATX, INC., US

[85] 2022-08-05

[86] 2021-02-06 (PCT/US2021/016979)

[87] (WO2021/159040)

[30] US (62/971,825) 2020-02-07

[30] US (63/016,175) 2020-04-27

[30] US (63/044,330) 2020-06-25

[30] US (63/063,137) 2020-08-07

[21] **3,170,152**
[13] A1

[51] **Int.Cl. G16H 50/20 (2018.01) G16H 20/70 (2018.01) G16H 40/67 (2018.01) G16H 50/30 (2018.01) A61B 5/16 (2006.01)**

[25] EN

[54] **EVALUATION OF A PERSON OR SYSTEM THROUGH MEASUREMENT OF PHYSIOLOGICAL DATA**

[54] **EVALUATION D'UNE PERSONNE OU D'UN SYSTEME PAR MESURE DE DONNEES PHYSIOLOGIQUES**

[72] WEATHERHEAD, JAMES J., US

[71] EYETRACKING LLC, US

[85] 2022-08-05

[86] 2021-02-08 (PCT/US2021/017130)

[87] (WO2021/201984)

[30] US (62/971,839) 2020-02-07

[21] **3,170,153**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01)**

[25] EN

[54] **BCMA-DIRECTED CHIMERIC ANTIGEN RECEPTOR T CELL COMPOSITIONS AND METHODS AND USES THEREOF**

[54] **COMPOSITIONS DE LYMPHOCYTES T A RECEPTEUR ANTIGENIQUE CHIMERIQUE CONTRE BCMA ET PROCEDES ET UTILISATIONS ASSOCIES**

[72] WESTOBY, MATTHEW, US

[72] BRIGGS, ADRIAN WRANGHAM, US

[72] KUGLER, DAVID G., US

[72] CASPARY, ROBERT GUY, US

[72] CHAN, CALVIN, US

[72] VARUN, DIVYA, US

[72] GERMEROOTH, LOTHAR, DE

[72] STEMBERGER, CHRISTIAN, DE

[72] POLTORAK, MATEUSZ PAWEL, DE

[72] BASHOUR, KEENAN, US

[72] BATUREVYCH, OLEKSANDR, US

[72] KILAVUZ, NURGUL, US

[72] HEGE, KRISTEN, US

[72] BURGESS, MICHAEL, US

[72] WU, KAIDA, US

[72] SALMON, RUTH AMANDA, US

[72] KOEGEL, ASHLEY, US

[71] JUNO THERAPEUTICS, INC., US

[85] 2022-08-05

[86] 2021-02-11 (PCT/US2021/017737)

[87] (WO2021/163389)

[30] US (62/975,731) 2020-02-12

[21] **3,170,155**
[13] A1

[51] **Int.Cl. F16K 31/04 (2006.01) B25B 21/00 (2006.01) B25B 23/00 (2006.01) F16K 31/05 (2006.01) F16K 31/46 (2006.01) F16K 31/53 (2006.01)**

[25] EN

[54] **PORTABLE VALVE OPERATING MACHINE FOR USE IN EXERCISING VALVES**

[54] **MACHINE D'ACTIONNEMENT DE VANNES PORTABLE DESTINEE A ETRE UTILISEE POUR LA MANIPULATION DE VANNES**

[72] PIERCE, KENNETH R., US

[72] GEARHART, MICHAEL W., US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2022-08-05

[86] 2021-02-12 (PCT/US2021/017764)

[87] (WO2021/163412)

[30] US (62/976,405) 2020-02-14

[30] US (17/165,019) 2021-02-02

[21] **3,170,156**
[13] A1

[51] **Int.Cl. F16K 31/04 (2006.01) B25B 21/00 (2006.01) B25B 23/00 (2006.01) F16K 31/05 (2006.01) F16K 31/46 (2006.01) F16K 31/53 (2006.01)**

[25] EN

[54] **PORTABLE VALVE OPERATING MACHINE**

[54] **MACHINE D'ACTIONNEMENT DE VANNES PORTABLE**

[72] PIERCE, KENNETH R., US

[72] GEARHEART, MICHAEL W., US

[71] ILLINOIS TOOL WORKS INC., US

[85] 2022-08-05

[86] 2021-02-12 (PCT/US2021/017774)

[87] (WO2021/163420)

[30] US (62/976,425) 2020-02-14

[30] US (62/976,405) 2020-02-14

[30] US (17/174,008) 2021-02-11

[21] **3,170,157**
[13] A1

[51] **Int.Cl. H04L 7/00 (2006.01)**

[25] EN

[54] **TIME SYNCHRONIZATION DEVICE, TIME SYNCHRONIZATION SYSTEM, AND TIME SYNCHRONIZATION METHOD**

[54] **DISPOSITIF DE SYNCHRONISATION TEMPORELLE, SYSTEME DE SYNCHRONISATION TEMPORELLE ET PROCEDE DE SYNCHRONISATION TEMPORELLE**

[72] TAKAHASHI, MASAYUKI, JP

[71] NEC PLATFORMS, LTD., JP

[85] 2022-08-04

[86] 2021-01-13 (PCT/JP2021/000903)

[87] (WO2021/157308)

[30] JP (2020-018117) 2020-02-05

Demandes PCT entrant en phase nationale

[21] **3,170,158**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **RNAS FOR COMPLEMENT INHIBITION**
[54] **ARN POUR L'INHIBITION DU COMPLEMENT**
[72] HOSSBACH, MARKUS, DE
[72] HULTSCH, KATHRIN, DE
[71] APELLIS PHARMACEUTICALS, INC., US
[85] 2022-08-05
[86] 2021-02-13 (PCT/US2021/018071)
[87] (WO2021/163654)
[30] US (62/977,012) 2020-02-14
[30] US (62/980,100) 2020-02-21
[30] US (63/062,321) 2020-08-06

[21] **3,170,160**
[13] A1

[51] **Int.Cl. G06Q 20/20 (2012.01)**
[25] EN
[54] **POINT OF SALE DEVICE WITH SECURE CONNECTION BETWEEN SECURITY MESHES**
[54] **DISPOSITIF DE POINT DE VENTE AVEC CONNEXION SECURISEE ENTRE DES MAILLES DE SECURITE**
[72] ABRAMS, JACOB WHITAKER, US
[72] CHON, SEIHEE, US
[72] DURIEUX, VINCENT, US
[72] FUHS, ERIC DAVID, US
[72] MURRAY, BRIAN JEREMIAH, US
[72] PAN, VICTOR, US
[72] QIU, SAM NIANSHENG, US
[72] TSUI, BAMBI, US
[72] YERUVA, SIVA RAJA SEK HAR REDDY, US
[71] FISERV, INC., US
[85] 2022-08-05
[86] 2021-02-16 (PCT/US2021/018209)
[87] (WO2021/178129)
[30] US (16/811,760) 2020-03-06

[21] **3,170,162**
[13] A1

[51] **Int.Cl. A24F 7/00 (2006.01) A24F 40/40 (2020.01) A24F 40/485 (2020.01) A24D 3/18 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **MOUTHPIECE FOR VAPORIZER INCLUDING POSITIVE TEMPERATURE COEFFICIENT OF RESISTIVITY HEATER**
[54] **EMBOUT BUCCAL POUR VAPORISATEUR COMPRENANT UN ELEMENT CHAUFFANT A COEFFICIENT DE TEMPERATURE POSITIF DE RESISTIVITE**
[72] ALSTON, WILLIAM W., US
[71] JUUL LABS, INC., US
[85] 2022-08-05
[86] 2021-02-17 (PCT/US2021/018327)
[87] (WO2021/167950)
[30] US (62/978,236) 2020-02-18

[21] **3,170,163**
[13] A1

[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **TRANSMISSION DEVICE AND TRANSMISSION METHOD**
[54] **DISPOSITIF DE TRANSMISSION ET PROCEDE DE TRANSMISSION**
[72] NISHIO, AKIHIKO, JP
[72] SUZUKI, HIDETOSHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2022-08-04
[86] 2021-01-14 (PCT/JP2021/000939)
[87] (WO2021/161710)
[30] JP (2020-022772) 2020-02-13

[21] **3,170,164**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/002 (2012.01)**
[25] EN
[54] **OILFIELD DATA PROCESSING USING DISTRIBUTED DEVICES**
[54] **TRAITEMENT DE DONNEES DE CHAMP PETROLIFERE A L'AIDE DE DISPOSITIFS REPARTIS**
[72] VAN HAECKE, BERNARD, US
[72] KALASAPUR, SWAROOP, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-08-05
[86] 2020-02-07 (PCT/US2020/017124)
[87] (WO2021/158230)

[21] **3,170,165**
[13] A1

[51] **Int.Cl. F28B 1/06 (2006.01) F28C 1/14 (2006.01) F28D 5/00 (2006.01)**
[25] EN
[54] **DOUBLE STACK "V" HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A DOUBLE PILE EN V**
[72] BYRNE, TOM, US
[71] EVAPCO, INC., US
[85] 2022-08-05
[86] 2021-02-19 (PCT/US2021/018796)
[87] (WO2021/168262)
[30] US (62/978,667) 2020-02-19
[30] US (17/180,205) 2021-02-19

[21] **3,170,167**
[13] A1

[51] **Int.Cl. A61B 5/021 (2006.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **HYPOTENSION PREDICTION WITH ADJUSTABLE HYPOTENSION THRESHOLD**
[54] **PREDICTION D'HYPOTENSION A SEUIL D'HYPOTENSION AJUSTABLE**
[72] BUDDI, SAI PRASAD, US
[72] SCHNEIDER, BRENNAN MICHAEL, US
[72] JIAN, ZHONGPING, US
[72] AL HATIB, FERAS, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-08-05
[86] 2021-02-19 (PCT/US2021/018827)
[87] (WO2021/173445)
[30] US (62/981,179) 2020-02-25

PCT Applications Entering the National Phase

[21] **3,170,168**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC SURVEILLANCE OF MEDICATION AND ANTIMICROBIAL RESISTANCE TRENDS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DYNAMIQUE DE MEDICAMENTS ET DE TENDANCES DE RESISTANCE ANTIMICROBIENNE**
[72] GUPTA, VIKAS, US
[72] MURRAY, JOHN, US
[72] YU, KALVIN, US
[72] JOKINEN-GORDON, HANNA, US
[72] FOLKERTS, WILLEM, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-08-05
[86] 2021-02-23 (PCT/US2021/019250)
[87] (WO2021/173559)
[30] US (62/981,439) 2020-02-25

[21] **3,170,169**
[13] A1

[51] **Int.Cl. A61K 39/235 (2006.01) C07K 14/005 (2006.01) C07K 14/01 (2006.01) C07K 14/075 (2006.01) C12N 15/82 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS IN PLANTS**
[54] **VECTEURS VIRAUX ADENO-ASSOCIES RECOMBINES DANS DES PLANTES**
[72] GIBBS, DANIEL, US
[72] CONNORS, JAKE ORION, US
[71] VECPROBIO, INC., US
[85] 2022-08-05
[86] 2021-02-03 (PCT/US2021/016393)
[87] (WO2021/158648)
[30] US (62/971,750) 2020-02-07

[21] **3,170,170**
[13] A1

[51] **Int.Cl. A23D 9/00 (2006.01) A23L 5/00 (2016.01) A23L 27/00 (2016.01) A23L 33/115 (2016.01) C11B 3/00 (2006.01)**
[25] EN
[54] **OILINESS REDUCTION AGENT, EDIBLE OIL OIL/FAT COMPOSITION, PRODUCTION METHOD FOR OILINESS REDUCTION AGENT, AND FOOD OILINESS REDUCTION METHOD**
[54] **AGENT DIMINUANT LE CARACTERE HUILEUX AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI, COMPOSITION D'HUILE ET GRAISSE ALIMENTAIRES, ET PROCEDE DE DIMINUTION DU CARACTERE HUILEUX DES ALIMENTS**
[72] MAEDA, AYAKO, JP
[72] SEKIGUCHI, TAKEHIKO, JP
[72] HARUGUCHI, SHINSUKE, JP
[71] J-OIL MILLS, INC., JP
[85] 2022-08-04
[86] 2021-02-12 (PCT/JP2021/005158)
[87] (WO2021/172034)
[30] JP (2020-033484) 2020-02-28

[21] **3,170,171**
[13] A1

[51] **Int.Cl. F41A 9/07 (2006.01) F41A 9/09 (2006.01) F41A 9/10 (2006.01) F41A 9/13 (2006.01) F41A 9/29 (2006.01) F41A 9/32 (2006.01) F41A 9/57 (2006.01) F41A 9/66 (2006.01) F41A 9/78 (2006.01) F41A 9/79 (2006.01)**
[25] EN
[54] **LOADING MECHANISM FOR SUSPENDED LOOP AMMUNITION**
[54] **MECANISME DE CHARGEMENT POUR MUNITION EN BOUCLE SUSPENDUE**
[72] MUELLER, FRANK R., US
[72] QUINN, BRIAN J., US
[71] MOOG INC., US
[85] 2022-08-05
[86] 2021-02-25 (PCT/US2021/019563)
[87] (WO2021/221770)
[30] US (62/985,943) 2020-03-06

[21] **3,170,172**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SUTURE WITH APERTURE FOR USE IN PROSTHETIC DEVICES**
[54] **SUTURE AVEC OUVERTURE DESTINEE A ETRE UTILISEE DANS DES DISPOSITIFS PROTHETIQUES**
[72] GOLDBERG, ERAN, IL
[72] NIR, NOAM, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-08-05
[86] 2021-02-25 (PCT/US2021/019681)
[87] (WO2021/178216)
[30] US (62/984,959) 2020-03-04

[21] **3,170,173**
[13] A1

[51] **Int.Cl. H04W 72/08 (2009.01) H04W 72/04 (2009.01) G08G 5/00 (2006.01)**
[25] EN
[54] **SIGNAL COLLISION AVOIDANCE BETWEEN TERRESTRIAL RADIO TOWERS AND AIRBORNE PLATFORMS**
[54] **EVITEMENT DE COLLISION DE SIGNAUX ENTRE DES TOURS RADIO TERRESTRES ET DES PLATEFORMES AEROPORTEES**
[72] ZISKIND, ILYA, US
[72] NANCE, DAVID, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2022-08-05
[86] 2021-03-03 (PCT/US2021/020639)
[87] (WO2021/221787)
[30] US (62/984,559) 2020-03-03

Demandes PCT entrant en phase nationale

[21] **3,170,174**
[13] A1

[51] **Int.Cl. A61B 5/02 (2006.01) A61K 31/16 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **PREVENTION AND INTERVENTION OF INFARCT HEMORRHAGIC INFARCTIONS**

[54] **PREVENTION ET INTERVENTION DE L'EXPANSION D'INFARCTUS SUITE A DES INFARCTUS HEMORRAGIQUES**

[72] DHARMAKUMAR, ROHAN, US

[71] CEDARS-SINAI MEDICAL CENTER, US

[85] 2022-08-05

[86] 2021-03-19 (PCT/US2021/023292)

[87] (WO2021/188984)

[30] US (62/992,832) 2020-03-20

[21] **3,170,175**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01) B25B 13/50 (2006.01) E21B 19/06 (2006.01) E21B 19/18 (2006.01)**

[25] EN

[54] **POWER TONG ASSEMBLY**

[54] **ENSEMBLE DE PINCE ASSISTEE**

[72] ROGERS, TOMMIE L., US

[72] TRAHAN, JR., JOHN WILLIAM, US

[71] ROGERS OIL TOOLS, LLC, US

[85] 2022-08-05

[86] 2021-02-04 (PCT/US2021/016575)

[87] (WO2021/158764)

[30] US (62/971,453) 2020-02-07

[21] **3,170,177**
[13] A1

[51] **Int.Cl. A01H 5/00 (2018.01) A01H 6/14 (2018.01) A01H 5/10 (2018.01) C12N 15/11 (2006.01)**

[25] EN

[54] **GENOME EDITING IN SUNFLOWER**

[54] **EDITION DU GENOME CHEZ LE TOURNESOL**

[72] HOERSTER, GEORGE J., US

[72] KUMAR, SANDEEP, US

[72] LENDERTS, BRIAN L., US

[72] LOWE, KEITH S., US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[85] 2022-08-05

[86] 2021-03-23 (PCT/US2021/023643)

[87] (WO2021/195058)

[30] US (63/000,528) 2020-03-27

[21] **3,170,179**
[13] A1

[51] **Int.Cl. F16L 1/028 (2006.01) F16L 59/15 (2006.01)**

[25] EN

[54] **METHOD FOR CONSTRUCTING A PIPELINE PORTION OF A PIPE SYSTEM, AND PIPELINE PORTION OF A PIPE SYSTEM IN A HEATING NETWORK**

[54] **PROCEDE DE MISE EN PLACE D'UNE SECTION DE PIPELINE D'UN SYSTEME DE CONDUITE, ET SECTION DE PIPELINE D'UN SYSTEME DE CONDUITE DANS UN RESEAU DE CHALEUR**

[72] SASS, INGO, DE

[72] WELSCH, BASTIAN, DE

[72] SCHEDEL, MARKUS, DE

[72] FORMHALS, JULIAN, DE

[71] TECHNISCHE UNIVERSITAT DARMSTADT, DE

[85] 2022-08-08

[86] 2021-01-06 (PCT/EP2021/050139)

[87] (WO2021/160349)

[30] DE (10 2020 103 331.1) 2020-02-10

[21] **3,170,181**
[13] A1

[51] **Int.Cl. C08L 75/04 (2006.01) C08J 9/06 (2006.01) C09K 21/14 (2006.01) C08G 18/73 (2006.01) C08G 18/75 (2006.01)**

[25] EN

[54] **USE OF ALIPHATIC ISOCYANATE AS TOXIC FUME SUPPRESSANT IN POLYURETHANE FOAMS**

[54] **UTILISATION D'ISOCYANATE ALIPHATIQUE EN TANT QU'AGENT DE SUPPRESSION D'EMANATIONS TOXIQUES DANS DES MOUSSES POLYURETHANE**

[72] RODRIGUEZ OUTON, PABLO, NL

[71] INDRESMAT BV, NL

[85] 2022-08-08

[86] 2021-02-08 (PCT/EP2021/052953)

[87] (WO2021/160556)

[30] EP (20382085.7) 2020-02-10

[21] **3,170,183**
[13] A1

[51] **Int.Cl. D07B 7/16 (2006.01) D07B 5/00 (2006.01) F16G 13/12 (2006.01)**

[25] EN

[54] **MOBIUS STRIP FORMING DEVICE. FORMING MACHINE USING THE FORMING DEVICE AND TEXTILE CHAIN FORMING PROCEDURE**

[54] **DISPOSITIF DE FORMATION DE BANDE DE MOBIUS, MACHINE DE FORMATION UTILISANT LE DISPOSITIF DE FORMATION ET PROCEDE DE FORMATION DE CHAINE TEXTILE**

[72] VILANOVA FABREGA, DAVID, ES

[72] MURTRA LOZOYA, EUDALDO, ES

[71] VILANOVA FABREGA, DAVID, ES

[71] MURTRA LOZOYA, EUDALDO, ES

[85] 2022-08-08

[86] 2021-02-15 (PCT/EP2021/053601)

[87] (WO2021/165186)

[30] EP (20382125.1) 2020-02-21

[21] **3,170,185**
[13] A1

[51] **Int.Cl. G06F 17/10 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR PATH PLANNING IN A KNOWN ENVIRONMENT**

[54] **PROCEDES ET SYSTEMES DE PLANIFICATION DE TRAJET DANS UN ENVIRONNEMENT CONNU**

[72] DELLA TORRE, REUVEN, IL

[72] GLASS, GUY, IL

[71] CAJA ELASTIC DYNAMIC SOLUTIONS LTD, IL

[85] 2022-08-08

[86] 2020-06-07 (PCT/IB2020/055345)

[87] (WO2020/250101)

[30] US (62/860,821) 2019-06-13

PCT Applications Entering the National Phase

[21] **3,170,188**
[13] A1

[51] **Int.Cl. B01J 21/06 (2006.01) B01D 53/94 (2006.01) B01J 23/10 (2006.01) B01J 35/10 (2006.01) B01J 37/02 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01) C01F 17/00 (2020.01) C01G 25/00 (2006.01)**

[25] EN

[54] **PROCESS FOR MAKING CERIUM AND ZIRCONIUM CONTAINING COMPOSITIONS USING MESITYLENE AND COMPOSITION MADE BY SAME**

[54] **PROCEDE DE FABRICATION DE COMPOSITIONS CONTENANT DU CERIUM ET DU ZIRCONIUM AU MOYEN DE MESITYLENE ET COMPOSITION AINSI FABRIQUEE**

[72] HUANG, BARRY, SG
[72] TAN, STEFFI, SG
[72] NG, SZU HWEE, SG
[71] NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD., SG
[85] 2022-08-08
[86] 2021-02-12 (PCT/IB2021/000099)
[87] (WO2021/161108)
[30] US (62/976,927) 2020-02-14

[21] **3,170,191**
[13] A1

[51] **Int.Cl. A61N 1/00 (2006.01) A61N 1/37 (2006.01) A61N 1/372 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR DETECTING EXPLOITATION OF MEDICAL DEVICE VULNERABILITIES**

[54] **TECHNIQUES DE DETECTION DE L'EXPLOITATION DE VULNERABILITES DE DISPOSITIFS MEDICAUX**

[72] GITELMAN, SHAKED, IL
[72] RAVID, TAL, IL
[71] ARMIS SECURITY LTD., IL
[85] 2022-08-08
[86] 2021-01-20 (PCT/IB2021/050432)
[87] (WO2021/171105)
[30] US (16/801,681) 2020-02-26

[21] **3,170,192**
[13] A1

[51] **Int.Cl. A61N 1/00 (2006.01) A61N 1/37 (2006.01) A61N 1/372 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR DETECTING EXPLOITATION OF MANUFACTURING DEVICE VULNERABILITIES**

[54] **TECHNIQUES DE DETECTION DE L'EXPLOITATION DE VULNERABILITES DE DISPOSITIFS DE FABRICATION**

[72] GITELMAN, SHAKED, IL
[72] RAVID, TAL, IL
[71] ARMIS SECURITY LTD., IL
[85] 2022-08-08
[86] 2021-01-20 (PCT/IB2021/050433)
[87] (WO2021/171106)
[30] US (16/801,748) 2020-02-26

[21] **3,170,193**
[13] A1

[51] **Int.Cl. G02B 1/04 (2006.01)**

[25] EN

[54] **INSERT MATERIALS WITH HIGH OXYGEN PERMEABILITY AND HIGH REFRACTIVE INDEX**

[54] **MATERIAUX D'INSERT AYANT UNE PERMEABILITE A L'OXYGENE ELEVEE ET UN INDICE DE REFRACTION ELEVE**

[72] CHENG, JING, US
[72] LIANG, WEI, US
[72] ZHANG, STEVE YUN, US
[71] ALCON INC., CH
[85] 2022-08-08
[86] 2021-03-18 (PCT/IB2021/052271)
[87] (WO2021/186381)
[30] US (62/991,724) 2020-03-19

[21] **3,170,195**
[13] A1

[51] **Int.Cl. H02K 1/14 (2006.01) H02K 1/27 (2022.01) H02K 15/02 (2006.01) H02K 15/06 (2006.01)**

[25] EN

[54] **RADIAL FLUX ELECTRIC MACHINE**

[54] **MACHINE ELECTRIQUE A FLUX RADIAL**

[72] KISLEV, VICTOR, IL
[72] GASPAS, OLEG, IL
[72] SHABINSKI, RUSLAN, IL
[72] ROZINSKY, ELIYAHU, IL
[71] EVR MOTORS LTD., IL
[85] 2022-08-08
[86] 2021-09-17 (PCT/IB2021/058475)
[87] (WO2022/058939)
[30] US (63/081,043) 2020-09-21

[21] **3,170,196**
[13] A1

[51] **Int.Cl. A61K 35/19 (2015.01) A61K 31/137 (2006.01) A61K 31/195 (2006.01) A61K 31/197 (2006.01) A61K 38/16 (2006.01) A61K 38/55 (2006.01) A61P 7/04 (2006.01)**

[25] EN

[54] **ANTI-FIBRINOLYTIC LOADED PLATELETS**

[54] **PLAQUETTES CHARGEES ANTIFIBRINOLYTIQUES**

[72] MOSKOWITZ, KEITH ANDREW, US
[72] SHEIK, DANIEL ALLEN, US
[72] XU, SHAN, US
[72] DICKERSON, WILLIAM MATTHEW, US
[72] LEE, AMBER NICOLE, US
[72] ISHLER, BRADEN CARL, US
[71] CELLPHIRE, INC., US
[85] 2022-08-04
[86] 2021-02-03 (PCT/US2021/016360)
[87] (WO2021/158622)
[30] US (62/969,942) 2020-02-04
[30] US (62/980,850) 2020-02-24
[30] US (63/065,337) 2020-08-13

Demandes PCT entrant en phase nationale

[21] 3,170,198 [13] A1	[21] 3,170,201 [13] A1	[21] 3,170,204 [13] A1
[51] Int.Cl. A61K 35/19 (2015.01) A61K 31/137 (2006.01) A61K 31/195 (2006.01) A61K 31/197 (2006.01) A61K 38/16 (2006.01) A61K 38/55 (2006.01) A61P 7/04 (2006.01)	[51] Int.Cl. A61K 35/19 (2015.01) C12N 5/078 (2010.01) A61K 31/195 (2006.01) A61K 31/197 (2006.01) A61K 38/36 (2006.01) A61K 38/57 (2006.01) A61P 7/04 (2006.01) C07K 14/75 (2006.01) C07K 14/81 (2006.01)	[51] Int.Cl. B25J 11/00 (2006.01) B23B 39/14 (2006.01) B23Q 3/155 (2006.01) B23Q 3/157 (2006.01) B25J 15/04 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHODS OF TREATING ACQUIRED HEMOPHILIA WITH ANTI-FIBRINOLYTIC LOADED PLATELETS	[54] METHODS OF TREATING CONGENITAL HEMOPHILIA WITH ANTI-FIBRINOLYTIC LOADED PLATELETS	[54] INSTALLATION DEVICE FOR CARRYING OUT INSTALLATION STEPS ON A WALL AND METHOD FOR EXCHANGING A TOOL OF AN INSTALLATION APPARATUS
[54] METHODES DE TRAITEMENT DE L'HEMOPHILIE ACQUISE AVEC DES PLAQUETTES CHARGEES ANTI-FIBRINOLYTIQUES	[54] PROCEDES DE TRAITEMENT DE L'HEMOPHILIE CONGENITALE AVEC DES PLAQUETTES CHARGEES D'UN ANTI-FIBRINOLYTIQUE	[54] DISPOSITIF DE POSE POUR REALISER DES ETAPES DE POSE SUR UNE PAROI ET PROCEDE D'ECHANGE D'UN OUTIL D'UN APPAREIL DE POSE
[72] MOSKOWITZ, KEITH ANDREW, US	[72] MOSKOWITZ, KEITH ANDREW, US	[72] CAMBRUZZI, ANDREA, CH
[72] XU, SHAN, US	[72] XU, SHAN, US	[72] PASSONI, LUCIANO, IT
[72] DICKERSON, WILLIAM MATTHEW, US	[72] DICKERSON, WILLIAM MATTHEW, US	[72] SIMMONDS, OLIVER, CH
[72] LEE, AMBER NICOLE, US	[72] LEE, AMBER NICOLE, US	[72] ZIMMERLI, PHILIPP, CH
[72] ISHLER, BRADEN CARL, US	[72] ISHLER, BRADEN CARL, US	[71] INVENTIO AG, CH
[72] SHEIK, DANIEL ALLEN, US	[72] SHEIK, DANIEL ALLEN, US	[85] 2022-08-05
[72] TANDON, NARENDRA NATH, US	[72] TANDON, NARENDRA NATH, US	[86] 2021-02-01 (PCT/EP2021/052239)
[71] CELLPHIRE, INC, US	[71] CELLPHIRE, INC., US	[87] (WO2021/156167)
[85] 2022-08-04	[85] 2022-08-04	[30] EP (20156037.2) 2020-02-07
[86] 2021-02-03 (PCT/US2021/016363)	[86] 2021-02-03 (PCT/US2021/016389)	
[87] (WO2021/158625)	[87] (WO2021/158645)	
[30] US (62/969,942) 2020-02-04	[30] US (62/969,942) 2020-02-04	
[30] US (62/980,850) 2020-02-24	[30] US (62/980,850) 2020-02-24	
[30] US (63/065,337) 2020-08-13	[30] US (63/065,337) 2020-08-13	
		[21] 3,170,209 [13] A1
		[51] Int.Cl. H04W 24/10 (2009.01)
		[25] EN
		[54] TERMINAL, RADIO COMMUNICATION METHOD AND BASE STATION
		[54] TERMINAL, PROCEDE DE COMMUNICATION SANS FIL, ET STATION DE BASE
		[72] MATSUMURA, YUKI, JP
		[72] NAGATA, SATOSHI, JP
		[72] WANG, JING, CN
		[72] HOU, XIAOLIN, CN
		[71] NTT DOCOMO, INC., JP
		[85] 2022-08-05
		[86] 2020-02-13 (PCT/JP2020/005556)
		[87] (WO2021/161451)

PCT Applications Entering the National Phase

[21] **3,170,212**
[13] A1

[51] **Int.Cl. B25J 9/00 (2006.01) G16H 20/30 (2018.01) A61H 1/02 (2006.01) A61H 3/00 (2006.01) B25J 9/18 (2006.01) G06N 3/02 (2006.01)**

[25] FR

[54] **METHODS FOR GENERATING A TRAJECTORY OF AN EXOSKELETON AND FOR SETTING THE EXOSKELETON IN MOTION**

[54] **PROCEDES DE GENERATION D'UNE TRAJECTOIRE D'UN MOUSQUELETTE ET DE MISE EN MOUVEMENT DE L'EXOSQUELETTE**

[72] BROSSETTE, STANISLAS, FR
[72] BOERIS, GUILHEM, FR
[71] WANDERCRAFT, FR
[85] 2022-08-04
[86] 2021-02-10 (PCT/FR2021/050242)
[87] (WO2021/160967)
[30] FR (FR2001317) 2020-02-10

[21] **3,170,213**
[13] A1

[51] **Int.Cl. A01N 43/36 (2006.01) A01P 21/00 (2006.01) C05C 11/00 (2006.01) C07D 403/06 (2006.01) C07F 15/02 (2006.01)**

[25] EN

[54] **NOVEL LACTAM COMPOUND OR SALT THEREOF, COMPLEX, AND FERTILIZER AND PLANT GROWTH REGULATOR CONTAINING SAID COMPOUND OR SALT AND COMPLEX**

[54] **NOUVEAU COMPOSE DE LACTAME OU SEL DE CELUI-CI, COMPLEXE, ENGRAIS ET REGULATEUR DE CROISSANCE DE PLANTE CONTENANT LEDIT COMPOSE OU SEL ET COMPLEXE**

[72] MERA, AKANE, JP
[72] SUZUKI, MOTOFUMI, JP
[72] HOSODA, KENSUKE, JP
[72] NAMBA, KOSUKE, JP
[71] AICHI STEEL CORPORATION, JP
[71] TOKUSHIMA UNIVERSITY, JP
[85] 2022-08-05
[86] 2020-12-10 (PCT/JP2020/046166)
[87] (WO2021/199507)
[30] JP (2020-060320) 2020-03-30

[21] **3,170,215**
[13] A1

[51] **Int.Cl. A23K 50/80 (2016.01) A23K 10/00 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 40/00 (2016.01) A23K 40/25 (2016.01) A01K 61/85 (2017.01) A01K 63/04 (2006.01) A23N 17/00 (2006.01)**

[25] EN

[54] **AN AQUACULTURE FEED WITH HIGH WATER AND OIL CONTENT AND A SYSTEM AND METHOD FOR MANUFACTURING SAID AQUACULTURE FEED**

[54] **ALIMENT POUR AQUACULTURE A TENEUR ELEVEE EN EAU ET EN HUILE ET SYSTEME ET PROCEDE DE FABRICATION DUDIT ALIMENT POUR AQUACULTURE**

[72] DETHLEFSEN, MARKUS WIED, DK
[72] HOLGERSEN, KLAUS DAMSBOE, DK
[72] SIMONSEN, BENNY, DK
[71] GRAINTEC A/S, DK
[85] 2022-08-09
[86] 2020-09-02 (PCT/DK2020/050243)
[87] (WO2021/170185)
[30] DK (PCT/DK2020/050057) 2020-02-28

[21] **3,170,218**
[13] A1

[51] **Int.Cl. A23B 4/015 (2006.01) A23L 13/70 (2016.01) A23B 4/01 (2006.01) A23B 4/023 (2006.01) A23B 4/28 (2006.01)**

[25] EN

[54] **METHOD FOR DISSOLUTION OF THE CELL MEMBRANE**

[54] **PROCEDE DE DISSOLUTION DE LA MEMBRANE CELLULAIRE**

[72] DALSGAARD, RITA EGEBJERG, DK
[72] EGEBJERG, JORGEN, NO
[71] DALSGAARD, RITA EGEBJERG, DK
[71] EGEBJERG, JORGEN, NO
[85] 2022-07-26
[86] 2020-01-27 (PCT/EP2020/051895)
[87] (WO2021/058139)
[30] EP (19020542.7) 2019-09-26

[21] **3,170,224**
[13] A1

[51] **Int.Cl. B03D 1/004 (2006.01) B03D 1/006 (2006.01) B03D 1/008 (2006.01) C07C 67/03 (2006.01) C07C 67/08 (2006.01) C07C 67/31 (2006.01) C07C 69/675 (2006.01) C07C 69/708 (2006.01)**

[25] EN

[54] **NEW FROTHERS FOR MINERALS RECOVERY AND METHODS OF MAKING AND USING SAME**

[54] **NOUVEAUX AGENTS MOUSSANTS POUR LA RECUPERATION DE MINERAUX ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] HERVE, PASCAL, FR
[72] BRITO, RENATA, BR
[72] JANKOLOVITS, JOSEPH, US
[72] CORBET, MATTHIEU, FR
[72] MARION, PHILIPPE, FR
[71] SOLVAY SA, BE
[85] 2022-08-05
[86] 2021-02-12 (PCT/EP2021/053557)
[87] (WO2021/160864)
[30] EP (20157397.9) 2020-02-14

[21] **3,170,225**
[13] A1

[51] **Int.Cl. C08L 51/08 (2006.01) C09D 151/08 (2006.01) C08L 67/06 (2006.01)**

[25] EN

[54] **UNSATURATED POLYESTER RESIN COMPOSITIONS AND METHODS FOR PREPARATION THEREOF**

[54] **COMPOSITIONS DE RESINE DE POLYESTER INSATURE ET PROCEDES POUR LEUR PREPARATION**

[72] POSTHUMUS, WILLEM, NL
[71] ACR III B.V., NL
[85] 2022-08-05
[86] 2021-02-24 (PCT/EP2021/054481)
[87] (WO2021/170596)
[30] EP (20159020.5) 2020-02-24

Demandes PCT entrant en phase nationale

[21] **3,170,228**
[13] A1

[51] **Int.Cl. G01S 19/01 (2010.01) H04B 1/7075 (2011.01) G04R 20/02 (2013.01)**

[25] EN

[54] **RADIO SIGNAL DEVICE AND METHOD FOR FAST TIME AMBIGUITY RESOLUTION**

[54] **DISPOSITIF DE SIGNAL RADIO ET PROCEDE DE RESOLUTION RAPIDE D'AMBIGUITE TEMPORELLE**

[72] GARCIA MOLINA, JOSE ANTONIO, NL

[72] WALLNER, STEFAN, NL

[71] ESA - EUROPEAN SPACE AGENCY, NL

[85] 2022-08-09

[86] 2020-02-12 (PCT/EP2020/053581)

[87] (WO2021/160256)

[21] **3,170,231**
[13] A1

[51] **Int.Cl. H01H 9/16 (2006.01) H01H 9/56 (2006.01) H01H 33/02 (2006.01) H01H 33/59 (2006.01) H02J 3/18 (2006.01)**

[25] EN

[54] **ELECTRIC SWITCHING DEVICE**

[54] **APPAREIL DE COMMUTATION ELECTRIQUE**

[72] BACHORZ, LUKASZ, AU

[72] HEEMSKERK, TIMOTHY JOHN, AU

[72] LAM, JONATHAN, AU

[71] HITACHI ENERGY SWITZERLAND AG, CH

[85] 2022-08-09

[86] 2020-04-03 (PCT/EP2020/059602)

[87] (WO2021/197619)

[21] **3,170,233**
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/133 (2006.01) A61K 31/155 (2006.01) A61K 31/522 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING LINAGLIPTIN AND METFORMIN**

[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE LA LINAGLIPTINE ET DE LA METFORMINE**

[72] KRUSINSKI, TOMASZ, PL

[72] PRZERADA, SZYMON, PL

[72] HRAKOVSKY, JULIA, PL

[72] SKOCZEN, PRZEMYSŁAW, PL

[71] ZAKŁADY FARMACEUTYCZNE POLPHARMA S.A., PL

[85] 2022-08-09

[86] 2021-02-09 (PCT/EP2021/053072)

[87] (WO2021/160608)

[30] EP (EP20460012) 2020-02-13

[21] **3,170,236**
[13] A1

[51] **Int.Cl. B03D 1/004 (2006.01) B03D 1/008 (2006.01) C07C 31/02 (2006.01) C07C 69/675 (2006.01) C07C 69/708 (2006.01)**

[25] EN

[54] **NEW FROTHERS FOR MINERALS RECOVERY**

[54] **NOUVEAUX AGENTS MOUSSANTS POUR LA RECUPERATION DE MINERAUX**

[72] HERVE, PASCAL, FR

[72] BRITO, RENATA, BR

[72] JANKOLOVITS, JOSEPH, US

[72] CORBET, MATTHIEU, FR

[72] MARION, PHILIPPE, FR

[71] SOLVAY SA, BE

[85] 2022-08-09

[86] 2021-02-12 (PCT/EP2021/053552)

[87] (WO2021/160860)

[30] EP (20157394.6) 2020-02-14

[21] **3,170,239**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01)**

[25] EN

[54] **INTRANASAL MRNA VACCINES**

[54] **VACCINS A BASE D'ARNM INTRANASAUX**

[72] TIEST, WIM, BE

[72] VAN HOORICK, DIANE, BE

[71] ETHERNA IMMUNOTHERAPIES NV, BE

[85] 2022-08-09

[86] 2021-02-15 (PCT/EP2021/053633)

[87] (WO2021/160881)

[30] EP (20157300.3) 2020-02-14

[21] **3,170,242**
[13] A1

[51] **Int.Cl. G10H 1/06 (2006.01) G10H 1/20 (2006.01) H04R 3/00 (2006.01) H04R 25/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR AUTOMATED HARMONIZATION OF DIGITAL AUDIO SIGNALS**

[54] **PROCEDE ET DISPOSITIF D'HARMONISATION AUTOMATISEE DE SIGNAUX AUDIO NUMERIQUES**

[72] SPINDLER, MARTIN, DE

[72] LIPPMANN, MATTHIAS, DE

[72] PECKMANN, JOHANNES, DE

[71] TECH & LIFE SOLUTIONS GMBH, DE

[85] 2022-08-09

[86] 2021-03-04 (PCT/EP2021/055479)

[87] (WO2021/175999)

[30] EP (20161492.2) 2020-03-06

[21] **3,170,245**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/20 (2006.01)**

[25] EN

[54] **IMPROVED INJECTION DEVICE**

[54] **DISPOSITIF D'INJECTION AMELIORE**

[72] STEEL, DONALD WILLIAM, GB

[72] PORTER, ELLIOT HENRY, GB

[72] STOPS, ADAM JONATHAN FREDERICK, GB

[71] SHL MEDICAL AG, CH

[85] 2022-08-09

[86] 2021-02-11 (PCT/GB2021/050338)

[87] (WO2021/161029)

[30] GB (2002075.6) 2020-02-14

PCT Applications Entering the National Phase

[21] **3,170,317**
[13] A1

[51] **Int.Cl. A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23K 10/16 (2016.01) A23L 33/135 (2016.01) A61P 25/20 (2006.01) A23C 9/123 (2006.01) A23L 2/00 (2006.01) A23L 2/38 (2021.01)**

[25] EN

[54] **COMPOSITION FOR PROMOTING SLEEP, AND FOOD, DRUG, AND FEED INCLUDING COMPOSITION**

[54] **COMPOSITION FAVORISANT LE SOMMEIL ET PRODUIT ALIMENTAIRE, MEDICAMENT ET ALIMENT POUR ANIMAUX CONTENANT LADITE COMPOSITION**

[72] MURAKAMI, HIROKI, JP
[72] KO, TARO, JP
[72] ISHIMOTO, HIROSHI, JP
[72] KAMIKOUCHI, AZUSA, JP
[72] MORI, IKUE, JP
[71] MEGMILK SNOW BRAND CO., LTD., JP
[85] 2022-08-05
[86] 2021-01-26 (PCT/JP2021/002647)
[87] (WO2021/157434)
[30] JP (2020-018148) 2020-02-05

[21] **3,170,318**
[13] A1

[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6883 (2018.01) C12N 9/12 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **PHI29 MUTANTS AND USE THEREOF**

[54] **MUTANTS PHI29 ET LEUR UTILISATION**

[72] GAWAD, CHARLES, US
[72] WEST, JAY A.A., US
[72] MCEWAN, PAUL, US
[71] BIOSKRYB GENOMICS, INC., US
[85] 2022-08-08
[86] 2021-02-09 (PCT/US2021/017247)
[87] (WO2021/163052)
[30] US (62/972,557) 2020-02-10

[21] **3,170,319**
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR MESSENGER RNA PURIFICATION**

[54] **PROCEDES ET COMPOSITIONS POUR PURIFICATION D'ARN MESSENGER**

[72] ABYSALH, JONATHAN, US
[72] VARGAS, JOREL, US
[72] SMITH, CAMERON M., US
[72] PARRELLA, JOSEPH, US
[72] DEROSA, FRANK, US
[71] TRANSLATE BIO, INC., US
[85] 2022-08-08
[86] 2021-02-10 (PCT/US2021/017383)
[87] (WO2021/163134)
[30] US (62/972,471) 2020-02-10

[21] **3,170,320**
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01) A61K 9/00 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **TREATMENT OF INFECTIOUS DISEASES**

[54] **TRAITEMENT DE MALADIES INFECTIEUSES**

[72] REN, SHUNLIN, US
[72] LIN, WEIQI, US
[72] BROWN, JAMES E., US
[71] DURECT CORPORATION, US
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
[85] 2022-08-08
[86] 2021-02-10 (PCT/US2021/017467)
[87] (WO2021/163199)
[30] US (62/975,140) 2020-02-11
[30] US (62/975,632) 2020-02-12
[30] US (63/003,144) 2020-03-31
[30] US (63/022,856) 2020-05-11
[30] US (63/044,264) 2020-06-25

[21] **3,170,321**
[13] A1

[51] **Int.Cl. A61K 31/435 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **NOVEL PRMT5 INHIBITORS**

[54] **NOUVEAUX INHIBITEURS DE PRMT5**

[72] ALLEN, JENNIFER REBECCA, US
[72] AMEGADZIE, ALBERT, US
[72] BEYLKIN, DIANE JENNIFER, US
[72] BOOKER, SHON, US
[72] BOURBEAU, MATTHEW PAUL, US
[72] BUTLER, JOHN R., US
[72] FROHN, MICHAEL J., US
[72] GLAD, SANNE ORMHOLT SCHRODER, US
[72] HUSEMOEN, BIRGITTE WEINREICH, US
[72] KALLER, MATTHEW R., US
[72] KOHN, TODD J., US
[72] LANMAN, BRIAN ALAN, US
[72] LI, KEXUE, US
[72] LIU, QINGYAN, US
[72] LOPEZ, PATRICIA, US
[72] MA, VU VAN, US
[72] MANONI, FRANCESCO, US
[72] MEDINA, JOSE, US
[72] MINATTI, ANA ELENA, US
[72] PEIRO CADAHIA, JORGE, US
[72] PETTUS, LIPING, US
[72] PICKRELL, ALEXANDER J., US
[72] SARVARY, IAN, US
[72] TAMAYO, NURIA A., US
[72] VESTERGAARD, MIKKEL, US
[71] AMGEN INC., US
[85] 2022-08-08
[86] 2021-02-11 (PCT/US2021/017682)
[87] (WO2021/163344)
[30] US (62/975,258) 2020-02-12

Demandes PCT entrant en phase nationale

[21] **3,170,322**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **SARS-COV-2 VACCINE**
[54] **VACCIN CONTRE LE SARS-COV-2**
[72] GRAHAM, BARNEY, US
[72] CORBETT, KIZZMEKIA, US
[72] ABIONA, OLUBUKOLA, US
[72] HUTCHINSON, GEOFFREY, US
[72] MCLELLAN, JASON, US
[72] WRAPP, DANIEL, US
[72] WANG, NIANSHUANG, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2022-08-08
[86] 2021-02-11 (PCT/US2021/017709)
[87] (WO2021/163365)
[30] US (62/972,886) 2020-02-11

[21] **3,170,323**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/09 (2010.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF KILLING OR INHIBITING THE GROWTH OF CANCER CELLS**
[54] **PROCEDES DE DESTRUCTION OU D'INHIBITION DE LA CROISSANCE DE CELLULES CANCEREUSES**
[72] TSENG, SCHEFFER, US
[72] HE, HUA, US
[72] TIGHE, SEAN, US
[72] BASU, KAUSTUV, US
[71] TISSUETECH, INC., US
[85] 2022-08-08
[86] 2021-02-12 (PCT/US2021/017773)
[87] (WO2021/163419)
[30] US (62/975,599) 2020-02-12

[21] **3,170,324**
[13] A1

[51] **Int.Cl. A01N 43/58 (2006.01) C07D 237/04 (2006.01) C07D 237/14 (2006.01) C07D 237/18 (2006.01)**
[25] EN
[54] **SUBSTITUTED 5,6-DIPHENYL-3(2H)-PYRIDAZINONES FOR USE AS FUNGICIDES**
[54] **5,6-DIPHENYL-3 (2H)-PYRIDAZINONES SUBSTITUEES DESTINEES A ETRE UTILISEES COMME FONGICIDES**
[72] LONG, JEFFREY KEITH, US
[72] HIE, LIANA, US
[71] FMC CORPORATION, US
[85] 2022-08-08
[86] 2021-02-12 (PCT/US2021/017897)
[87] (WO2021/163519)
[30] US (62/976,573) 2020-02-14

[21] **3,170,325**
[13] A1

[51] **Int.Cl. G06K 9/62 (2022.01) G06F 16/35 (2019.01)**
[25] EN
[54] **MULTICLASS CLASSIFICATION WITH DIVERSIFIED PRECISION AND RECALL WEIGHTINGS**
[54] **CLASSIFICATION MULTICLASSE AVEC DES PONDERATIONS DE PRECISION ET DE RAPPEL DIVERSIFIEES**
[72] YANG, YINGRUI, US
[72] JIANG, PENG, US
[72] MILLER, CHRISTOPHER, US
[72] MOGHTADERI, AZADEH, US
[71] ANCESTRY.COM OPERATIONS INC., US
[85] 2022-08-08
[86] 2021-02-12 (PCT/US2021/017903)
[87] (WO2021/163524)
[30] US (62/976,799) 2020-02-14

[21] **3,170,326**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENGRAFTMENT OF BASE EDITED CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR LA PRISE DE GREFFE DE CELLULES EDITEES DE BASE**
[72] SMITH, SARAH, US
[72] LEVASSEUR, DANA, US
[72] YEN, JONATHAN, US
[71] BEAM THERAPEUTICS INC., US
[85] 2022-08-08
[86] 2021-02-12 (PCT/US2021/017989)
[87] (WO2021/163587)
[30] US (62/976,239) 2020-02-13

[21] **3,170,327**
[13] A1

[51] **Int.Cl. F16K 31/04 (2006.01) B25B 21/00 (2006.01) B25B 23/14 (2006.01) B25B 23/147 (2006.01) F16K 31/05 (2006.01) F16K 31/46 (2006.01) F16K 31/53 (2006.01)**
[25] EN
[54] **PORTABLE VALVE OPERATING DEVICE FOR USE IN EXERCISING VALVES**
[54] **DISPOSITIF DE FONCTIONNEMENT DE SOUPAPE PORTATIF DESTINE A ETRE UTILISE DANS DES SOUPAPES D'EXERCICE**
[72] PIERCE, KENNETH R., US
[72] GEARHART, MICHAEL W., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-08-08
[86] 2021-02-12 (PCT/US2021/018021)
[87] (WO2021/163612)
[30] US (62/976,405) 2020-02-14
[30] US (62/976,848) 2020-02-14
[30] US (62/976,425) 2020-02-14
[30] US (17/175,022) 2021-02-12

PCT Applications Entering the National Phase

[21] **3,170,330**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 14/715 (2006.01) C07K 16/28 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **CD137 BINDING MOLECULES AND USES THEREOF**

[54] **MOLECULES DE LIAISON A CD137 ET LEURS UTILISATIONS**

[72] BEREZHNOY, ALEXEY YEVGENYEVICH, US

[72] DIEDRICH, GUNDO, US

[72] MOORE, PAUL A., US

[72] BONVINI, EZIO, US

[72] SHAH, KALPANA, US

[71] MACROGENICS, INC., US

[85] 2022-08-08

[86] 2021-02-16 (PCT/US2021/018177)

[87] (WO2021/167885)

[30] US (62/980,000) 2020-02-21

[30] US (63/104,685) 2020-10-23

[30] US (63/147,565) 2021-02-09

[21] **3,170,331**
[13] A1

[51] **Int.Cl. F16G 3/08 (2006.01) F16G 1/08 (2006.01)**

[25] FR

[54] **ADDED FRAME FOR SPLICING A CONVEYOR BELT AND ASSOCIATED SPLICE**

[54] **ARMATURE RAPPORTEE POUR JONCTION DE BANDE TRANSPORTEUSE ET JONCTION ASSOCIEE**

[72] TAVERNIER, BERNARD, FR

[72] GUILLEMET, FREDERIC, FR

[71] FP BUSINESS INVEST, FR

[85] 2022-08-08

[86] 2021-03-19 (PCT/EP2021/057163)

[87] (WO2021/186075)

[30] FR (FR2002770) 2020-03-20

[21] **3,170,332**
[13] A1

[51] **Int.Cl. A61M 31/00 (2006.01) A61M 5/145 (2006.01)**

[25] EN

[54] **INJECTION OF A THERAPEUTIC FORMULATION INTO A WALL OF THE GASTROINTESTINAL TRACT**

[54] **INJECTION D'UNE FORMULATION THERAPEUTIQUE DANS UNE PAROI DU TRACTUS GASTROINTESTINAL**

[72] IMRAN, MIR A., US

[71] RANI THERAPEUTICS, LLC, US

[85] 2022-08-08

[86] 2021-02-17 (PCT/US2021/018399)

[87] (WO2021/167993)

[30] US (62/978,222) 2020-02-18

[30] US (63/020,811) 2020-05-06

[21] **3,170,333**
[13] A1

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

[25] EN

[54] **DEVICES FOR DELIVERING POWDERED AGENTS**

[54] **DISPOSITIFS DE DISTRIBUTION D'AGENTS EN POUDRE**

[72] PIC, ANDREW, US

[72] LEHTINEN, LAURIE, US

[72] EVERS, RYAN, US

[71] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2022-08-09

[86] 2021-03-05 (PCT/US2021/021159)

[87] (WO2021/178853)

[30] US (62/986,352) 2020-03-06

[21] **3,170,334**
[13] A1

[51] **Int.Cl. H02P 29/50 (2016.01) H02M 1/00 (2007.10) H02M 1/12 (2006.01) H02P 29/00 (2016.01)**

[25] EN

[54] **INTEGRATED INVERTER OUTPUT PASSIVE FILTERS FOR ELIMINATING BOTH COMMON MODE AND DIFFERENTIAL MODE HARMONICS IN PULSE-WIDTH MODULATION MOTOR DRIVES AND METHODS OF MANUFACTURE AND USE THEREOF**

[54] **FILTRES PASSIFS DE SORTIE D'ONDULEUR INTEGRE POUR ELIMINER DES HARMONIQUES DE MODE COMMUN ET DE MODE DIFFERENTIEL DANS DES ENTRAINEMENTS DE MOTEUR A MODULATION D'IMPULSIONS EN DUR EE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] LUU, TIN, US

[72] SHUDAREK, TODD, US

[71] MTE CORPORATION, US

[85] 2022-08-09

[86] 2021-02-11 (PCT/US2021/017700)

[87] (WO2021/163358)

[30] US (62/972,997) 2020-02-11

[21] **3,170,335**
[13] A1

[51] **Int.Cl. B82Y 40/00 (2011.01) C01B 32/17 (2017.01)**

[25] EN

[54] **IRON REMOVAL FROM CARBON NANOTUBES AND METAL CATALYST RECYCLE**

[54] **ELIMINATION DE FER A PARTIR DE NANOTUBES DE CARBONE ET RECYCLAGE DE CATALYSEUR METALLIQUE**

[72] GAILUS, DAVID, US

[71] NANOCOMP TECHNOLOGIES, INC., US

[85] 2022-08-09

[86] 2021-02-23 (PCT/US2021/019229)

[87] (WO2021/173549)

[30] US (62/980,513) 2020-02-24

Demandes PCT entrant en phase nationale

[21] **3,170,336**
[13] A1

[51] **Int.Cl. A61J 7/04 (2006.01) B65B 57/00 (2006.01)**

[25] EN

[54] **DRUG PRODUCT PACKAGING SYSTEM INCLUDING LOCKING SYSTEM FOR CONTROLLING ACCESS TO DRUG PRODUCT CELLS**

[54] **SYSTEME D'EMBALLAGE DE MEDICAMENT COMPRENANT UN SYSTEME DE VERROUILLAGE PERMETTANT DE COMMANDER L'ACCES A DES CELLULES DE MEDICAMENT**

[72] GOODMAN, MARK LUKE, US
[72] BEELER, SAM THOMAS, US
[71] PARATA SYSTEMS, LLC, US
[85] 2022-08-08
[86] 2021-03-25 (PCT/US2021/024109)
[87] (WO2021/195351)
[30] US (62/994,497) 2020-03-25

[21] **3,170,337**
[13] A1

[51] **Int.Cl. E01B 9/06 (2006.01)**

[25] EN

[54] **RAIL ANCHORING SPIKE**

[54] **CRAMPON D'ANCRAGE DE RAIL**

[72] AUSTIN, TIMOTHY JOHN, US
[71] LEWIS BOLT & NUT COMPANY, US
[85] 2022-08-09
[86] 2021-02-18 (PCT/US2021/018490)
[87] (WO2021/168059)
[30] US (62/977,929) 2020-02-18

[21] **3,170,338**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **ENGINEERED ANTI-HER2 BISPECIFIC PROTEINS**

[54] **PROTEINES BISPECIFIQUES ANTI-HER2 MODIFIEES**

[72] KANNAN, GUNASEKARAN, US
[72] KIM, DO JIN, US
[72] KWAN, WANDA, US
[72] TONG, RAYMOND KA HANG, US
[71] DENALI THERAPEUTICS INC., US
[85] 2022-08-08
[86] 2021-02-19 (PCT/US2021/018705)
[87] (WO2021/168194)
[30] US (62/978,758) 2020-02-19

[21] **3,170,340**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01) C07K 16/22 (2006.01)**

[25] EN

[54] **WNT SUPER AGONISTS**

[54] **SUPER-AGONISTES DE WNT**

[72] LI, YANG, US
[71] SURROZEN OPERATING, INC., US
[85] 2022-08-08
[86] 2021-02-24 (PCT/US2021/019484)
[87] (WO2021/173726)
[30] US (62/980,870) 2020-02-24
[30] US (63/114,368) 2020-11-16

[21] **3,170,341**
[13] A1

[51] **Int.Cl. H04N 13/31 (2018.01) G02B 30/30 (2020.01) F21V 8/00 (2006.01)**

[25] EN

[54] **ANIMATED STATIC MULTIVIEW DISPLAY AND METHOD**

[54] **DISPOSITIF D'AFFICHAGE MULTI-VUES STATIQUE ANIME ET PROCEDE**

[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2022-08-08
[86] 2021-02-28 (PCT/US2021/020161)
[87] (WO2021/178256)
[30] US (62/983,870) 2020-03-02

[21] **3,170,343**
[13] A1

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

[25] EN

[54] **STATIC-IMAGE AUGMENTED PRIVACY DISPLAY, MODE-SWITCHABLE PRIVACY DISPLAY SYSTEM, AND METHOD**

[54] **AFFICHAGE DE CONFIDENTIALITE AUGMENTEE A IMAGE STATIQUE, SYSTEME D'AFFICHAGE DE CONFIDENTIALITE COMMUTABLE EN MODE ET PROCEDE**

[72] FATTAL, DAVID A., US
[72] HOEKMAN, THOMAS, US
[71] LEIA INC., US
[85] 2022-08-08
[86] 2021-02-28 (PCT/US2021/020163)
[87] (WO2021/178258)
[30] US (62/983,918) 2020-03-02

[21] **3,170,345**
[13] A1

[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6869 (2018.01)**

[25] EN

[54] **METHODS AND MATERIALS FOR ASSESSING NUCLEIC ACIDS**

[54] **METHODES ET MATERIELS D'EVALUATION D'ACIDES NUCLEIQUES**

[72] PAPADOPOULOS, NICKOLAS, US
[72] KINZLER, KENNETH W., US
[72] VOGELSTEIN, BERT, US
[72] COHEN, JOSHUA DAVID, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-08-09
[86] 2021-02-12 (PCT/US2021/017937)
[87] (WO2021/163546)
[30] US (62/977,066) 2020-02-14

[21] **3,170,347**
[13] A1

[51] **Int.Cl. A45D 40/00 (2006.01) A45D 40/02 (2006.01) A45D 40/14 (2006.01)**

[25] EN

[54] **SUSTAINABLE DISPENSING PACKAGE HAVING A LOCKING RING**

[54] **EMBALLAGE DE DISTRIBUTION DURABLE AYANT UN ANNEAU DE VERROUILLAGE**

[72] THULIN, NATHANIEL DAVID, US
[72] CATAUDELLA, MATTHEW COREY, US
[72] MESSENGER, MITCHELL EDWIN, US
[72] GRUBBS, NATHAN DANIEL, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-08-09
[86] 2021-03-12 (PCT/US2021/022031)
[87] (WO2021/188365)
[30] EP (20164149.5) 2020-03-19

PCT Applications Entering the National Phase

[21] **3,170,348**
[13] A1

[51] **Int.Cl. C07C 233/76 (2006.01) A01N 37/46 (2006.01) A01N 43/40 (2006.01)**

[25] EN

[54] **PROCESSES FOR PRODUCING AMIDE COMPOUNDS, AND THEIR CRYSTALLINE AND SALT FORM**

[54] **PROCEDES DE PRODUCTION DE COMPOSES AMIDES, ET LEUR FORME CRISTALLINE ET SALINE**

[72] CHUNG, CHENG-HO, TW
[72] TSENG, SHI-LIANG, TW
[72] HSU, HSIANG-EN, TW
[71] ALPHALA CO., LTD., TW
[85] 2022-08-08
[86] 2021-03-03 (PCT/US2021/020595)
[87] (WO2021/178486)
[30] US (62/985,918) 2020-03-06

[21] **3,170,349**
[13] A1

[51] **Int.Cl. A61B 17/072 (2006.01)**

[25] EN

[54] **SYSTEMS, DEVICES, AND RELATED METHODS FOR FASTENING TISSUE**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES ASSOCIES PERMETTANT DE FIXER UN TISSU**

[72] SMITH, PAUL, US
[72] ESTEVEZ, RAMON, US
[72] VENUTO, KATHRYN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-08-08
[86] 2021-03-01 (PCT/US2021/020256)
[87] (WO2021/178297)
[30] US (62/984,542) 2020-03-03

[21] **3,170,351**
[13] A1

[51] **Int.Cl. B23B 39/00 (2006.01) B23B 39/16 (2006.01) B23B 41/00 (2006.01)**

[25] EN

[54] **AN UPPER DRILL TOOL**

[54] **OUTIL DE FORAGE SUPERIEUR**

[72] RUSSELL, JOSEPH ROBERT, US
[72] TURMAN, JASON R., US
[72] ANDERSON, RYAN NATHAN, US
[72] MERINO, MARCOS, US
[72] VAN'T LAND, GABRIEL C., US
[71] JR AUTOMATION TECHNOLOGIES, LLC, US
[85] 2022-08-08
[86] 2021-02-08 (PCT/US2021/017134)
[87] (WO2021/159106)
[30] US (62/971,929) 2020-02-08
[30] US (63/031,882) 2020-05-29

[21] **3,170,352**
[13] A1

[51] **Int.Cl. B65B 1/30 (2006.01) A61J 1/03 (2006.01) A61J 3/00 (2006.01)**

[25] EN

[54] **AUTOMATIC PACKAGER FOR MEDICAL PRODUCTS**

[54] **EMBALLUSE AUTOMATIQUE POUR PRODUITS MEDICAUX**

[72] HOLMES, WILLIAM K., US
[71] RXSAFE LLC, US
[85] 2022-08-09
[86] 2021-02-18 (PCT/US2021/018554)
[87] (WO2021/168095)
[30] US (62/978,174) 2020-02-18

[21] **3,170,353**
[13] A1

[51] **Int.Cl. G01N 27/327 (2006.01) G01N 33/543 (2006.01) G01N 33/547 (2006.01) G01N 33/551 (2006.01) G01N 33/574 (2006.01) G01N 33/72 (2006.01)**

[25] EN

[54] **GRAPHENE-BASED SENSOR FOR DETECTING HEMOGLOBIN IN A BIOLOGICAL SAMPLE**

[54] **CAPTEUR A BASE DE GRAPHENE POUR LA DETECTION D'HEMOGLOBINE DANS UN ECHANTILLON BIOLOGIQUE**

[72] NAWANA, NAMAL, US
[72] ABEDI, MEHDI, US
[72] MOLLAAGHABABA, REZA, US
[71] GRAPHENE-DX, INC., US
[85] 2022-08-08
[86] 2021-02-08 (PCT/US2021/017082)
[87] (WO2021/159074)
[30] US (62/970,919) 2020-02-06

[21] **3,170,354**
[13] A1

[51] **Int.Cl. G01R 31/08 (2020.01) H02H 1/00 (2006.01)**

[25] EN

[54] **HIGH IMPEDANCE FAULT DETECTOR**

[54] **DETECTEUR DE DEFAUTS A HAUTE IMPEDANCE**

[72] HAYNES, DAVID DONALD, US
[71] ACLARA TECHNOLOGIES LLC, US
[85] 2022-08-08
[86] 2021-02-04 (PCT/US2021/016645)
[87] (WO2021/158809)
[30] US (62/970,998) 2020-02-06

[21] **3,170,355**
[13] A1

[51] **Int.Cl. A61B 5/107 (2006.01) A61B 90/00 (2016.01) A61B 5/02 (2006.01) A61M 25/00 (2006.01)**

[25] EN

[54] **VESSEL CALIPER**

[54] **ETRIER DE RECIPIENT**

[72] KOROTKO, JOSEPH R., US
[72] RONAN, US
[72] COHEN, MAURICIO G., US
[71] ACCUMED RADIAL SYSTEMS, LLC, US
[85] 2022-08-09
[86] 2021-02-09 (PCT/US2021/017203)
[87] (WO2021/163028)
[30] US (62/972,910) 2020-02-11
[30] US (17/106,811) 2020-11-30

[21] **3,170,356**
[13] A1

[51] **Int.Cl. B23B 31/12 (2006.01) B23B 39/16 (2006.01) B23B 51/10 (2006.01) B23Q 3/12 (2006.01)**

[25] EN

[54] **CHUCK ASSEMBLY FOR A DRILL TOOL AND DRILL BIT MEMBER**

[54] **ENSEMBLE MANDRIN POUR OUTIL DE FORAGE ET ELEMENT TREPAN**

[72] RUSSELL, JOSEPH ROBERT, US
[72] TURMAN, JASON R., US
[72] ANDERSON, RYAN NATHAN, US
[72] MERINO, MARCOS, US
[72] VAN'T LAND, GABRIEL C., US
[71] JR AUTOMATION TECHNOLOGIES, LLC, US
[85] 2022-08-08
[86] 2021-02-08 (PCT/US2021/017138)
[87] (WO2021/159110)
[30] US (62/971,929) 2020-02-08
[30] US (63/031,882) 2020-05-29

Demandes PCT entrant en phase nationale

[21] **3,170,357**
[13] A1

[51] **Int.Cl. H04N 21/442 (2011.01) H04N 21/45 (2011.01) H04N 21/466 (2011.01) G06N 20/00 (2019.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR RECOMMENDATIONS BASED ON USER-SUPPLIED CRITERIA**

[54] **PROCEDES ET SYSTEMES DE RECOMMANDATIONS BASEES SUR DES CRITERES FOURNIS PAR L'UTILISATEUR**

[72] KARLIN, MICHAEL JOSEPH, US
[72] ZANGER, DANIEL Z., US
[72] KATZ, ARIEL MIKHAEL, US
[71] MARKETX LLC, US
[85] 2022-08-09
[86] 2021-02-10 (PCT/US2021/017475)
[87] (WO2021/163206)
[30] US (62/972,430) 2020-02-10

[21] **3,170,358**
[13] A1

[51] **Int.Cl. B23B 39/00 (2006.01) B23B 39/16 (2006.01) B23B 41/00 (2006.01)**

[25] EN

[54] **DRILL TOOL FOR PRECISION FORMING OF OPENINGS AND METHODS OF USE**

[54] **OUTIL DE FORAGE POUR LA FORMATION DE PRECISION D'OUVERTURES ET PROCEDES D'UTILISATION**

[72] RUSSELL, JOSEPH ROBERT, US
[72] TURMAN, JASON R., US
[72] ANDERSON, RYAN NATHAN, US
[72] MERINO, MARCOS, US
[72] VAN'T LAND, GABRIEL C., US
[71] JR AUTOMATION TECHNOLOGIES, LLC, US
[85] 2022-08-08
[86] 2021-02-08 (PCT/US2021/017139)
[87] (WO2021/159111)
[30] US (62/971,929) 2020-02-08
[30] US (63/031,882) 2020-05-29

[21] **3,170,359**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01) C07K 14/005 (2006.01)**

[25] EN

[54] **YEAST LYSATE COVID-19 VACCINE**

[54] **VACCIN CONTRE LA COVID-19 A BASE DE LYSAT DE LEVURE**

[72] KING, THOMAS H., US
[72] RABIZADEH, SHAHROOZ, US
[72] NIAZI, KAYVAN, US
[72] SOON-SHIONG, PATRICK, US
[72] FLEENOR, COURTNEY, US
[72] GUO, ZHIMIN, US
[72] HERMRECK, MELANIE, US
[71] NANTCELL, INC., US
[85] 2022-08-09
[86] 2021-04-14 (PCT/US2021/027248)
[87] (WO2021/211691)
[30] US (63/010,010) 2020-04-14

[21] **3,170,361**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) C07K 14/74 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **CYTOTOXIC T CELLS DERIVED FROM HUMAN T CELL-DERIVED IPS CELLS**

[54] **LYMPHOCYTES T CYTOTOXIQUES DERIVES DE CELLULES IPS T DERIVES DE LYMPHOCYTES T HUMAINS**

[72] ANDO, MIKI, JP
[72] ANDO, JUN, JP
[72] ISHII, MIDORI, JP
[72] KOMATSU, NORIO, JP
[72] NAKAUCHI, HIROMITSU, JP
[72] WATANABE, MOTOO, JP
[71] JUNTENDO EDUCATIONAL FOUNDATION, JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2022-08-05
[86] 2021-02-05 (PCT/JP2021/004232)
[87] (WO2021/157685)
[30] JP (2020-019548) 2020-02-07

[21] **3,170,362**
[13] A1

[51] **Int.Cl. B21J 15/10 (2006.01) B21J 15/02 (2006.01) B21J 15/28 (2006.01) F16B 19/04 (2006.01)**

[25] EN

[54] **RIVET BLOCK INCLUDING INTEGRATED RIVET FEED BORES**

[54] **BLOC DE RIVETS COMPRENANT DES TROUS INTEGRES D'ALIMENTATION EN RIVETS**

[72] RUSSELL, JOSEPH ROBERT, US
[72] TURMAN, JASON R., US
[72] ANDERSON, RYAN NATHAN, US
[72] MERINO, MARCOS, US
[72] VAN'T LAND, GABRIEL C., US
[71] JR AUTOMATION TECHNOLOGIES, LLC, US
[85] 2022-08-08
[86] 2021-02-08 (PCT/US2021/017142)
[87] (WO2021/159113)
[30] US (62/971,929) 2020-02-08
[30] US (63/031,882) 2020-05-29

[21] **3,170,363**
[13] A1

[51] **Int.Cl. A61M 5/36 (2006.01) A61M 5/168 (2006.01)**

[25] EN

[54] **MULTIPURPOSE CAPACITIVE SENSOR FOR FLUID PUMPS**

[54] **CAPTEUR CAPACITIF POLYVALENT POUR POMPES A FLUIDE**

[72] SOLOGUB, VADYM, IE
[71] CAREFUSION 303, INC., US
[85] 2022-08-09
[86] 2021-02-04 (PCT/US2021/016612)
[87] (WO2021/162933)
[30] US (62/975,422) 2020-02-12

PCT Applications Entering the National Phase

[21] **3,170,365**
[13] A1

[51] **Int.Cl. B21J 15/10 (2006.01) B21J 15/02 (2006.01) B21J 15/28 (2006.01)**

[25] EN

[54] **RIVET FASTENER APPARATUS**

[54] **APPAREIL D'ATTACHE DE RIVET**

[72] RUSSELL, JOSEPH ROBERT, US

[72] TURMAN, JASON R., US

[72] ANDERSON, RYAN NATHAN, US

[72] MERINO, MARCOS, US

[72] VAN'T LAND, GABRIEL C., US

[71] JR AUTOMATION TECHNOLOGIES, LLC, US

[85] 2022-08-08

[86] 2021-02-08 (PCT/US2021/017144)

[87] (WO2021/159115)

[30] US (62/971,929) 2020-02-08

[30] US (63/031,882) 2020-05-29

[21] **3,170,368**
[13] A1

[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6869 (2018.01)**

[25] EN

[54] **CORRECTION METHOD FOR SINGLE-CELL RNA-SEQ ANALYSIS COUNT DATA SET, ANALYSIS METHOD FOR SINGLE-CELL RNA-SEQ, ANALYSIS METHOD FOR CELL TYPE RATIOS, AND DEVICES AND COMPUTER PROGRAMS FOR EXECUTING SAID METHODS**

[54] **PROCEDE DE CORRECTION POUR UN ENSEMBLE DE DONNEES DE COMPTAGE D'ANALYSE D'ARN-SEQ MONOCELLULAIRE, PROCEDE D'ANALYSE POUR UN ARN-SEQ MONOCELLULAIRE, PROCEDE D'ANALYSE POUR DES RAPPORTS DE TYPE CELLULAIRE, ET DISPOSITIFS ET PROGRAMMES D'ORDINATEUR POUR EXECUTER LESDITS PROCEDES**

[72] SATO, NARUTOKU, JP

[71] KARYDO THERAPEUTIX, INC., JP

[85] 2022-08-05

[86] 2021-02-06 (PCT/JP2021/004470)

[87] (WO2021/157739)

[30] JP (2020-018989) 2020-02-06

[21] **3,170,371**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01) F16K 3/26 (2006.01) F16K 31/08 (2006.01) F16K 37/00 (2006.01)**

[25] EN

[54] **VALVE POSITION SENSING USING ELECTRIC AND MAGNETIC COUPLING**

[54] **DETECTION DE POSITION DE VANNE A L'AIDE D'UN COUPLAGE ELECTRIQUE ET MAGNETIQUE**

[72] JOSEPH, JOSEPH CHAKKUNGAL, US

[72] JAMES, PAUL GREGORY, US

[72] WANG, ZIQUAN, US

[72] VAYEDA, RAVI SHARAD, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2022-08-09

[86] 2020-04-30 (PCT/US2020/030771)

[87] (WO2021/216095)

[30] US (16/855,134) 2020-04-22

[21] **3,170,373**
[13] A1

[51] **Int.Cl. G16H 20/13 (2018.01) G16H 40/63 (2018.01) A61J 7/00 (2006.01)**

[25] EN

[54] **DIVERSION DETECTION SYSTEM**

[54] **SYSTEME DE DETECTION DE DETOURNEMENT**

[72] BURGESS, BRENDAN, US

[72] YUSUFI, MUSTAFA, US

[72] FELKE, MAGNUS, US

[72] PREZIOTTI, PAUL, US

[72] LATORRACA, GARY, US

[71] CAREFUSION 303, INC., US

[85] 2022-08-09

[86] 2021-02-09 (PCT/US2021/017242)

[87] (WO2021/163051)

[30] US (62/975,056) 2020-02-11

[21] **3,170,374**
[13] A1

[51] **Int.Cl. C12Q 1/37 (2006.01) C07K 14/08 (2006.01) G01N 33/58 (2006.01)**

[25] EN

[54] **RAPID DETECTION TEST FOR SARS-COV-2**

[54] **TEST DE DETECTION RAPIDE DU SRAS-COV-2**

[72] ARAD, DORIT, IL

[71] NLC PHARMA LTD, IL

[85] 2022-08-08

[86] 2021-02-09 (PCT/IL2021/050155)

[87] (WO2021/156878)

[30] US (62/972,005) 2020-02-09

[21] **3,170,377**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR SILENCING VEGF-A EXPRESSION**

[54] **COMPOSITIONS ET PROCEDES POUR LE SILENCAGE DE L'EXPRESSION DE VEGF-A**

[72] MCININCH, JAMES D., US

[72] KEATING, MARK, US

[72] SCHLEGEL, MARK K., US

[72] CASTORENO, ADAM, US

[72] JADHAV, VASANT R., US

[72] KAITTANIS, CHARALAMBOS, US

[72] CASTELLANOS-RIZALDOS, ELENA, US

[72] PANDYA, BHAUMIK A., US

[71] ALNYLAM PHARMACEUTICALS, INC., US

[85] 2022-08-09

[86] 2021-02-09 (PCT/US2021/017276)

[87] (WO2021/163066)

[30] US (62/972,519) 2020-02-10

[30] US (63/055,627) 2020-07-23

[30] US (63/140,714) 2021-01-22

Demandes PCT entrant en phase nationale

[21] **3,170,378**
[13] A1

[51] **Int.Cl. H04N 21/218 (2011.01) H04N 21/2343 (2011.01) H04N 21/431 (2011.01) H04N 21/4402 (2011.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF MULTIVIEW STYLE TRANSFER**

[54] **SYSTEMES ET PROCEDES DE TRANSFERT DE STYLE A VUES MULTIPLES**

[72] DAHLQUIST, NICOLAS, US
[72] GUNASEELAN, SARAVANA, US
[72] KOHLI, PUNEET, US
[72] LI, EDWARD, US
[71] LEIA INC., US
[85] 2022-08-08
[86] 2021-01-28 (PCT/US2021/015570)
[87] (WO2021/178079)
[30] US (62/983,739) 2020-03-01

[21] **3,170,403**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **BISPECIFIC BINDING MOLECULES**

[54] **MOLECULES DE LIAISON BISPECIFIQUES**

[72] CHERVIN, ADAM S., US
[72] DONG, FENG, US
[72] REILLY, EDWARD B., US
[72] STONE, JENNIFER D., US
[72] WHITE, MICHAEL K., US
[71] ABB VIE INC., US
[85] 2022-08-09
[86] 2021-02-11 (PCT/US2021/017710)
[87] (WO2021/163366)
[30] US (62/975,334) 2020-02-12
[30] US (62/976,117) 2020-02-13

[21] **3,170,410**
[13] A1

[51] **Int.Cl. A21D 13/064 (2017.01) A23L 7/117 (2016.01) A23L 33/00 (2016.01) A23L 33/17 (2016.01) A23L 33/185 (2016.01) A23L 33/19 (2016.01) A23P 20/20 (2016.01) A23P 30/20 (2016.01) A23J 3/00 (2006.01) A23J 3/08 (2006.01) A23J 3/14 (2006.01) A23J 3/16 (2006.01) A23J 3/26 (2006.01)**

[25] EN

[54] **HIGH PROTEIN FOOD ARTICLE**

[54] **ARTICLE ALIMENTAIRE A HAUTE TENEUR EN PROTEINES**

[72] AMDOR, AARON ROLLA, US
[72] WEATHERBY, NATASHA, US
[72] ZYCHOWSKI, DANA KATHARINE, US
[71] GENERAL MILLS, INC., US
[85] 2022-08-08
[86] 2020-03-10 (PCT/US2020/021882)
[87] (WO2021/183113)

[21] **3,170,392**
[13] A1

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

[25] EN

[54] **METHOD AND APPARATUS FOR LOCATION-BASED CROWDFUNDING**

[54] **PROCEDE ET APPAREIL DE FINANCEMENT PARTICIPATIF BASE SUR UN EMPLACEMENT**

[72] WINKLER, YAIR, IL
[71] HABITECH LTD, IL
[85] 2022-08-08
[86] 2021-02-09 (PCT/IL2021/050156)
[87] (WO2021/156879)
[30] US (62/972,003) 2020-02-09

[21] **3,170,407**
[13] A1

[51] **Int.Cl. B21D 26/033 (2011.01) B21D 43/00 (2006.01)**

[25] EN

[54] **MOLDING SYSTEM**

[54] **SYSTEME DE MOULAGE**

[72] ITAGAKI, NOBORU, JP
[72] YAMAUCHI, KEI, JP
[72] KOUKAMI, KIYOMASA, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2022-08-08
[86] 2021-01-20 (PCT/JP2021/001854)
[87] (WO2021/192553)
[30] JP (2020-057621) 2020-03-27

[21] **3,170,412**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) C07K 14/725 (2006.01)**

[25] EN

[54] **USE OF BRAIN-SPECIFIC ANTIGENS TO HOME, BLOCK AND DELIVER CELL-BASED TREATMENTS TO THE BRAIN**

[54] **UTILISATION D'ANTIGENES SPECIFIQUES DU CERVEAU POUR LOGER, BLOQUER ET ADMINISTRER DES TRAITEMENTS A BASE DE CELLULES AU CERVEAU**

[72] LIM, WENDELL A., US
[72] SIMIC, MILOS, US
[72] OKADA, HIDEHO, US
[72] CHOE, JOSEPH H., US
[72] WATCHMAKER, PAYAL B., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-08-08
[86] 2020-11-06 (PCT/US2020/059368)
[87] (WO2021/173193)
[30] US (62/980,885) 2020-02-24

[21] **3,170,399**
[13] A1

[51] **Int.Cl. G02B 6/12 (2006.01)**

[25] EN

[54] **ACTIVE ALIGNMENT OF OPTICAL DIE TO OPTICAL SUBSTRATES**

[54] **ALIGNEMENT ACTIF D'UNE PUCE OPTIQUE SUR DES SUBSTRATS OPTIQUES**

[72] SYNDER, BRADLEY, US
[72] ALAPATI, RAMAKANTH, US
[72] MENDOZA, GABRIEL J., US
[72] BASU, SOUMYADIPTA, US
[71] PSIQUANTUM, CORP., US
[85] 2022-08-09
[86] 2021-02-09 (PCT/US2021/017291)
[87] (WO2021/163077)
[30] US (16/786,830) 2020-02-10

PCT Applications Entering the National Phase

[21] **3,170,417**
[13] A1
[51] **Int.Cl. A47K 3/38 (2006.01) A47H
19/00 (2006.01) F16B 2/20 (2006.01)**
[25] EN
[54] **SHOWER CURTAIN CLIPS**
[54] **PINCES POUR RIDEAU DE
DOUCHE**
[72] SCANLON, BENJAMIN, US
[72] EMENECKER, ADAM T., US
[71] DECOLIN INC., CA
[85] 2022-08-09
[86] 2021-03-12 (PCT/CA2021/050335)
[87] (WO2021/179090)
[30] US (62/988,981) 2020-03-13

[21] **3,170,420**
[13] A1
[51] **Int.Cl. G01N 21/17 (2006.01) G01N
15/14 (2006.01)**
[25] EN
[54] **POINT-OF-CARE MICROFLUIDIC
IN VITRO DIAGNOSTIC SYSTEM**
[54] **SYSTEME DE DIAGNOSTIC IN
VITRO MICROFLUIDIQUE
DESTINE A UN POINT D'ACCES
AUX SOINS**
[72] TSANG, YUK LUN, CN
[72] CHU, LUT HEY, CN
[72] LAU, JOHNSON YIU-NAM, US
[72] LAU, LOK TING, CN
[71] EMERGING VIRAL DIAGNOSTICS
(HK) LIMITED, CN
[85] 2022-08-09
[86] 2021-02-10 (PCT/IB2021/051046)
[87] (WO2021/161171)
[30] US (62/972,119) 2020-02-10

[21] **3,170,425**
[13] A1
[51] **Int.Cl. A61K 47/62 (2017.01) A61K
38/17 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **INHIBITION OF REPERFUSION
INJURY WITH A PSD-95
INHIBITOR**
[54] **INHIBITION D'UNE LESION DE
REPERFUSION AVEC UN
INHIBITEUR DE PSD-95**
[72] TYMIANSKI, MICHAEL, CA
[71] NONO INC., CA
[85] 2022-08-09
[86] 2021-02-19 (PCT/IB2021/051408)
[87] (WO2021/165891)
[30] US (62/978,786) 2020-02-19

[21] **3,170,429**
[13] A1
[51] **Int.Cl. G01N 33/533 (2006.01) G01N
21/64 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **MULTIPLEX
IMMUNOFLUORESCENCE
DETECTION OF TARGET
ANTIGENS**
[54] **DETECTION PAR
IMMUNOFLUORESCENCE
MULTIPEXE D'ANTIGENES
CIBLES**
[72] DUNBAR, PETER RODERICK, NZ
[72] PARK, SAEMMUL, NZ
[71] AUCKLAND UNISERVICES
LIMITED, NZ
[85] 2022-08-09
[86] 2021-02-25 (PCT/IB2021/051581)
[87] (WO2021/171220)
[30] AU (2020900589) 2020-02-28

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

<p>[21] 3,169,184 [13] A1</p> <p>[25] EN [54] SYSTEM AND METHOD FOR CONVENIENCE GAMING [54] SYSTEME ET PROCEDE DE JEU DE COMMODITE [72] AMAITIS, LEE M., GB [72] ASHER, JOSEPH M., US [72] LUTNICK, HOWARD W., US [72] MYLET, DARRIN M., US [72] WILKINS, ALAN B., US [71] CFPH, LLC, US [22] 2005-02-25 [41] 2005-09-09 [62] 2,557,209 [30] US (60/547,507) 2004-02-25 [30] US (60/549,187) 2004-03-01 [30] US (10/835,995) 2004-04-29 [30] US (11/063,311) 2005-02-21</p>	<p>[21] 3,169,186 [13] A1</p> <p>[51] Int.Cl. A61M 16/06 (2006.01) A61M 16/01 (2006.01) A61M 16/10 (2006.01) [25] EN [54] COMBINED NASAL AND MOUTH VENTILATION MASK [54] MASQUE DE VENTILATION BUCCALE ET NASALE COMBINEE [72] PEDRO, MICHAEL J, US [72] CATALDO, STEVEN H., US [72] REILLY, THOMAS, US [72] REDFORD, RYAN G., US [72] KANE, DAVID M., US [71] REVOLUTIONARY MEDICAL DEVICES, INC., US [22] 2015-06-04 [41] 2015-12-10 [62] 2,951,226 [30] US (62/007,802) 2014-06-04 [30] US (62/056,293) 2014-09-26 [30] US (62/060,417) 2014-10-06 [30] US (62/061,045) 2014-10-07 [30] US (62/065,504) 2014-10-17 [30] US (62/091,370) 2014-12-12 [30] US (62/118,301) 2015-02-19 [30] US (14/690,223) 2015-04-17 [30] US (62/149,313) 2015-04-17 [30] US (62/161,093) 2015-05-13 [30] US (62/161,086) 2015-05-13</p>	<p>[21] 3,169,197 [13] A1</p> <p>[25] EN [54] METHOD FOR DETERMINING AND TUNING PROCESS CHARACTERISTIC PARAMETERS USING A SIMULATION SYSTEM [54] PROCEDE DE DETERMINATION ET DE MISE AU POINT DES PARAMETRES CARACTERISANT UN PROCEDE AU MOYEN D'UN SYSTEME DE SIMULATION [72] CHENG, XU, US [71] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US [22] 2013-10-09 [41] 2014-04-12 [62] 2,829,788 [30] US (13/650,296) 2012-10-12</p>
<p>[21] 3,169,194 [13] A1</p> <p>[51] Int.Cl. B01D 50/20 (2022.01) [25] EN [54] RECTANGULAR FILTERS, ASSEMBLY AND METHOD FOR FILTRATION [54] FILTRES RECTANGULAIRES, ENSEMBLE ET PROCEDE DE FILTRATION [72] HARRIS, JAMES D., US [72] JOHNSON, TYLER J., US [72] WALLACE, CHRISTOPHER D., US [71] FILTRATION TECHNOLOGY CORPORATION, US [22] 2018-02-21 [41] 2018-08-30 [62] 3,023,129 [30] US (62/462,327) 2017-02-22</p>	<p>[21] 3,169,207 [13] A1</p> <p>[25] EN [54] NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING NEUROLOGICAL DISORDERS [54] MOTIFS DE STIMULATION ELECTRIQUE NON REGULIERS POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES [72] GRILL, WARREN M., US [72] BROCKER, DAVID T., US [72] BIRDNO, MERRILL J., US [71] DUKE UNIVERSITY, US [22] 2012-10-11 [41] 2013-04-18 [62] 2,846,639 [30] US (61/545,791) 2011-10-11 [30] US (61/558,871) 2011-11-11</p>	

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,169,224**
[13] A1

[25] EN
[54] **METHODS, COMPOUNDS AND COMPOSITIONS FOR MODULATING BLOOD BRAIN BARRIER INTEGRITY AND REMYELINATION**
[54] **PROCEDES, COMPOSES ET COMPOSITIONS DESTINES A MODULER L'INTEGRITE DE LA BARRIERE HEMATO-ENCEPHALIQUE ET LA REMYELINISATION**
[72] MONNIER, PHILIPPE PATRICK, CA
[72] TASSEW, NARDOS G., CA
[72] BAGLAENKO, YURIY, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[22] 2016-09-23
[41] 2017-03-30
[62] 3,037,758
[30] US (62/222,697) 2015-09-23
[30] US (62/338,793) 2016-05-19

[21] **3,169,227**
[13] A1

[51] **Int.Cl. A41C 3/12 (2006.01) A41C 3/00 (2006.01)**
[25] EN
[54] **BRA WITH SUPPORT PORTIONS**
[54] **SOUTIEN-GORGE COMPORTANT DES PARTIES DE SUPPORT**
[72] FUNK-DANIELSON, BRENDA K., US
[72] NORDSTROM, MATTHEW D., US
[72] TEMPESTA, LAURA, US
[71] NIKE INNOVATE C.V., US
[22] 2016-02-08
[41] 2016-08-11
[62] 2,981,165
[30] US (62/112,876) 2015-02-06
[30] US (15/016,401) 2016-02-05

[21] **3,169,237**
[13] A1

[25] EN
[54] **METHODS AND SYSTEMS FOR KEY GENERATION**
[54] **METHODES ET SYSTEMES DE PRODUCTION DE CLE**
[72] DAVOUST, NANCY LOUISE, US
[72] TAYLOR, KEVIN NORMAN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2016-03-24
[41] 2016-09-27
[62] 2,924,951
[30] US (14/671,137) 2015-03-27

[21] **3,169,251**
[13] A1

[51] **Int.Cl. E21C 25/02 (2006.01)**
[25] EN
[54] **A DISCHARGING SHOVEL OF RECIPROCATING IMPACT MINING MACHINE**
[54] **PELLE DE DECHARGEMENT D'UNE MACHINE D'EXPLOITATION MINIERE A IMPACT A VA-ET-VIENT**
[72] LIU, SUHUA, CN
[71] LIU, SUHUA, CN
[22] 2019-05-05
[41] 2019-11-07
[62] 3,099,073
[30] CN (201810411552.X) 2018-05-07
[30] CN (201910253493.2) 2019-03-29

[21] **3,169,254**
[13] A1

[25] EN
[54] **MEDICAL TREATMENT SIMULATION DEVICES**
[54] **DISPOSITIFS DE SIMULATION DE TRAITEMENT MEDICAL**
[72] COWPERTHWAIT, AMY, US
[72] BUCHA, AMY, US
[72] AMIN, BIMAL, US
[72] BATHGATE, JONATHAN, US
[72] BIGGS, JOSEPH, US
[72] BOND, DEVON, US
[72] BOYLE, TAYLOR, US
[72] BUCKLEY, JENNIFER, US
[72] CAMPAGNOLA, DOMINIC, US
[72] COOPER, AIDAN, US
[72] DEVENNY, ANDREW, US
[72] DOLL, EDWARD, US
[72] ELIZARDO, MATHEW, US
[72] EVANS, LINDSAY, US
[72] FAY, BRITTANY, US
[72] GERSTMAN, DANIELLE, US
[72] GOYDAN, KENNETH, US
[72] GRANT, WYATT, US
[72] HOTT, NATHAN, US
[72] MCDOWELL, THOMAS, US
[72] RACCA, ELIZABETH, US
[72] RIVERA, FRANCIS, US
[72] WANG, LIYUN, US
[71] UNIVERSITY OF DELAWARE, US
[22] 2015-11-16
[41] 2016-05-26
[62] 2,968,227
[30] US (62/080,444) 2014-11-17
[30] US (62/080,439) 2014-11-17
[30] US (62/080,440) 2014-11-17
[30] US (62/081,042) 2014-11-18
[30] US (62/128,100) 2015-03-04
[30] US (62/145,018) 2015-04-09

[21] **3,169,259**
[13] A1

[51] **Int.Cl. E06B 9/42 (2006.01) E06B 9/322 (2006.01) E06B 9/56 (2006.01)**
[25] EN
[54] **AXIALLY DRIVEN WAND FOR A WINDOW BLIND**
[54] **BAGUETTE ENTRAINEE SUR LE PLAN AXIAL POUR UN STORE DE FENETRE**
[72] MAROCCO, NORBERT, CA
[71] MAXXMAR INC., CA
[22] 2018-02-23
[41] 2018-05-01
[62] 2,996,362
[30] US (62/576,437) 2017-10-24
[30] CA (2,983,527) 2017-10-24

[21] **3,169,263**
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **AGENTS FOR TREATMENT OF CLAUDIN EXPRESSING CANCER DISEASES**
[54] **AGENTS DE TRAITEMENT DE MALADIES CANCEREUSES EXPRIMANT CLAUDINE**
[72] SAHIN, UGUR, DE
[72] TURECI, OZLEM, DE
[72] STADLER, CHRISTIANE, DE
[72] HOLLAND, JULIA, DE
[72] BAHR-MAHMUD, HAYAT, DE
[72] BEISSERT, TIM, DE
[72] PLUM, LAURA, DE
[72] LE GALL, FABRICE, DE
[72] JENDRETZKI, ARNE, DE
[72] FIELDER, MARKUS, DE
[71] ASTELLAS PHARMA INC., JP
[71] BIONTECH SE, DE
[71] TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZEN DER JOHANNES GUTENBERG-UNIVERSITAT MAINZ GEMEINNUTZIGE GMBH, DE
[22] 2013-11-12
[41] 2014-05-22
[62] 2,890,438
[30] EP (PCT/EP2012/004712) 2012-11-13
[30] EP (PCT/EP2013/002270) 2013-07-30

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,169,273**
[13] A1

[51] **Int.Cl. G01W 1/17 (2006.01) H04W 84/20 (2009.01) G01N 27/16 (2006.01) G01N 27/404 (2006.01) G01N 27/416 (2006.01)**

[25] EN

[54] **COMBUSTIBLE GAS SENSING ELEMENT WITH CANTILEVER SUPPORT**

[54] **ELEMENT DE DETECTION DE GAZ COMBUSTIBLE A SUPPORT EN PORTE-A-FAUX**

[72] WANG, CHUAN-BAO, US

[72] SALVETTI, KATHRYN, US

[72] WANG, YONG, US

[72] MOZZOCCHI, LISA, US

[72] AN, LING, US

[72] CORNELIUS, RICHARD, E., US

[72] PAVLISKO, BRYAN, JAMES, US

[72] HUGHES, CHARLES, DENNIS, US

[72] BELSKI, TIMOTHY, JAMES, US

[71] INDUSTRIAL SCIENTIFIC CORPORATION, US

[22] 2017-07-31

[41] 2018-03-15

[62] 3,034,811

[30] US (62/384,798) 2016-09-08

[30] US (62/384,803) 2016-09-08

[30] US (62/385,688) 2016-09-09

[30] US (62/397,587) 2016-09-21

[30] US (62/409,706) 2016-10-18

[30] US (62/463,230) 2017-02-24

[30] US (15/491,311) 2017-04-19

[21] **3,169,290**
[13] A1

[51] **Int.Cl. A61M 1/34 (2006.01) A61M 60/113 (2021.01) A61M 60/50 (2021.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **WEARABLE HEMOFILTRATION ARTIFICIAL KIDNEY**

[54] **REIN ARTIFICIEL D'HEMOFILTRATION PORTATIF**

[72] CAMPBELL, GORDON JOHN, CA

[72] LINDSAY, ROBERT MCGREGOR, CA

[72] TREESH, SALEM, CA

[72] HUANG, SHIH HAN, CA

[72] RUPAR, CHARLES ANTHONY, CA

[72] BARBEITO, ROBERT GONZALES, CA

[71] VOLUTROL INC., CA

[22] 2021-12-14

[41] 2022-06-21

[62] 3,155,974

[30] US (63/128,725) 2020-12-21

[30] WO (PCT/CA/050274) 2021-03-02

[21] **3,169,291**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 9/127 (2006.01) A61K 31/7105 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **IMMUNISATION OF LARGE MAMMALS WITH LOW DOSES OF RNA**

[54] **IMMUNISATION DE GRANDS MAMMIFERES A L'AIDE DE FAIBLES DOSES D'ARN**

[72] GEALL, ANDREW, US

[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE

[22] 2011-07-06

[41] 2012-01-12

[62] 2,804,492

[30] US (61/361,794) 2010-07-06

[21] **3,169,309**
[13] A1

[51] **Int.Cl. A42C 2/00 (2006.01) A42B 3/04 (2006.01) A42B 3/06 (2006.01) A42B 3/08 (2006.01) A42B 3/10 (2006.01)**

[25] EN

[54] **PROTECTIVE RECREATIONAL SPORTS HELMET WITH COMPONENTS ADDITIVELY MANUFACTURED TO MANAGE IMPACT FORCES**

[54] **CASQUE DE SPORT RECREATIF DE PROTECTION AVEC DES COMPOSANTS FABRIQUES DE FACON ADDITIVE POUR GERER DES FORCES D'IMPACT**

[72] BOLOGNA, VITTORIO, US

[72] GILLOGLY, MURPHY, US

[72] IDE, THAD M., US

[71] RIDDELL, INC., US

[22] 2019-11-21

[41] 2020-05-28

[62] 3,120,841

[30] US (62/770,453) 2018-11-21

[30] US (62/778,559) 2018-12-12

[21] **3,169,332**
[13] A1

[25] EN

[54] **TRANSDUCER MINI-HORN ARRAY FOR ULTRASONIC FLOW METER**

[54] **RESEAU DE MINI-PAVILLONS DE TRANSDUCTEURS POUR DEBITMETRE ULTRASONORE**

[72] MEZHERITSKY, ALEX, US

[71] MICRO MOTION, INC., US

[22] 2016-03-09

[41] 2016-09-29

[62] 2,980,072

[30] US (14/667,261) 2015-03-24

[21] **3,169,341**
[13] A1

[25] EN

[54] **PUMPING UNIT BASES WITH DRIVEN PILES**

[54] **BASES DE GROUPE MOTOPOMPE AYANT DES PIEUX FONCES**

[72] KADRMAS, BRANDON LEE, US

[72] ROBISON, CLARK E., US

[72] BRADLEY, CHUCK ROBERT, US

[72] BINSTOCK, JORDAN GERARD, US

[72] RICE, TRAVIS, US

[71] WEATHERFORD TECHNOLOGY HOLDING, LLC, US

[22] 2017-11-06

[41] 2018-05-08

[62] 2,984,764

[30] US (15/345,674) 2016-11-08

[21] **3,169,360**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01)**

[25] EN

[54] **HIP ACCESS PORTAL SAVER**

[54] **PROTECTION PORTALE D'ACCES A LA HANCHE**

[72] WILLARD, BENJAMIN, US

[72] STUBKJAER, ERIC, US

[72] KEHOE, THOMAS, US

[72] QUINTERO, KEVIN, US

[71] CONMED CORPORATION, US

[22] 2018-12-13

[41] 2019-06-20

[62] 3,082,525

[30] US (62/598,094) 2017-12-13

[30] US (62/673,451) 2018-05-18

[30] US (62/673,541) 2018-05-18

[30] US (62/673,365) 2018-05-18

[30] US (62/673,520) 2018-05-18

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,169,368**
[13] A1

[25] EN
[54] **EPINEPHRINE NANOPARTICLES, METHODS OF FABRICATION THEREOF, AND METHODS FOR USE THEREOF FOR TREATMENT OF CONDITIONS RESPONSIVE TO EPINEPHRINE**

[54] **NANOPARTICULES D'EPINEPHRINE, PROCEDE POUR LES FABRIQUER ET PROCEDES POUR LES UTILISER POUR LE TRAITEMENT D'AFFECTIONS REPENDANT A L'EPINEPHRINE**

[72] RACHID, OUSAMA, CA
[72] RAWAS-QALAJI, MUTASEM, US
[72] SIMONS, KEITH, CA
[72] SIMONS, ESTELLE, CA
[71] NOVA SOUTHEASTERN UNIVERSITY, US
[71] RACHID, OUSAMA, CA
[71] SIMONS, KEITH, CA
[71] SIMONS, ESTELLE, CA
[22] 2013-06-14
[41] 2014-01-09
[62] 2,876,883
[30] US (61/660,273) 2012-06-15

[21] **3,169,377**
[13] A1

[51] **Int.Cl. B31B 70/64 (2017.01) B31B 70/74 (2017.01) B65D 30/02 (2006.01) B65D 30/08 (2006.01)**

[25] EN
[54] **METHOD OF PRODUCTION OF FABRIC BAGS OR CONTAINERS USING HEAT FUSED SEAMS**

[54] **PROCEDE DE PRODUCTION DE SACS OU DE CONTENANTS EN TISSU A L'AIDE DE COUTURES THERMOFONDUES**

[72] DUNLAP, CLIFFORD, US
[72] SCHNAARS, DANIEL R., SR., US
[72] KARDOS, LORI, US
[72] PATEL, RAJEN, US
[71] AMERIGLOBE, LLC, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[22] 2014-06-05
[41] 2014-12-11
[62] 2,914,682
[30] US (61/831,476) 2013-06-05
[30] US (61/890,664) 2013-10-14
[30] US (61/909,737) 2013-11-27
[30] US (61/994,642) 2014-05-16

[21] **3,169,394**
[13] A1

[51] **Int.Cl. H04L 9/00 (2022.01) H04L 67/10 (2022.01)**

[25] EN
[54] **DISTRIBUTED DATA SET ENCRYPTION AND DECRYPTION**

[54] **CHIFFREMENT ET DECHIFFREMENT D'ENSEMBLE DE DONNEES DISTRIBUEES**

[72] BOWMAN, BRIAN PAYTON, US
[72] GASS, MARK KUEBLER, US
[71] SAS INSTITUTE INC., US
[22] 2017-09-20
[41] 2018-12-20
[62] 3,066,480
[30] US (62/519,824) 2017-06-14
[30] US (62/535,961) 2017-07-23
[30] US (15/694,217) 2017-09-01
[30] US (15/694,674) 2017-09-01

[21] **3,169,415**
[13] A1

[51] **Int.Cl. A62B 18/08 (2006.01) A62B 18/10 (2006.01)**

[25] EN
[54] **RESPIRATOR MASK FOR CBRN OR OTHER PROTECTION**

[54] **MASQUE RESPIRATOIRE POUR CBRN OU UNE AUTRE PROTECTION**

[72] BERGERON, DAVID, CA
[72] DEL MISTRO, ALESSANDRO, CA
[72] DIONNE, LUC, CA
[72] LANGEVIN-BOUFFARD, CHARLES, CA
[72] LAGACE, SEBASTIEN, CA
[72] LEFEBVRE, PHILIPPE-ALEXANDRE, CA
[72] LEMYRE, JEAN-LUC, CA
[72] MORISSETTE, JEAN-FRANCOIS, CA
[71] AIRBOSS DEFENSE GROUP LTD., CA
[22] 2014-04-25
[41] 2014-10-30
[62] 2,910,323
[30] CA (2,813,954) 2013-04-25

[21] **3,169,426**
[13] A1

[51] **Int.Cl. A61M 39/22 (2006.01) A61B 17/12 (2006.01) A61M 1/36 (2006.01) A61M 39/02 (2006.01) A61F 2/06 (2013.01)**

[25] EN
[54] **MAGNETICALLY ACTIVATED ARTERIOVENOUS ACCESS VALVE SYSTEM AND RELATED METHODS**

[54] **SYSTEME DE VALVULE D'ACCES ARTERIOVEINEUSE ACTIVEE MAGNETIQUEMENT ET METHODES ASSOCIEES**

[72] JOHNSON, JAMES, S., US
[72] PATTERSON, FRANK, US
[72] JACOBS, JORDAN, US
[71] DIAXAMED, LLC, US
[22] 2015-04-24
[41] 2015-10-29
[62] 2,946,856
[30] US (61/984,550) 2014-04-25

[21] **3,169,429**
[13] A1

[25] EN
[54] **INSPECTION SYSTEM, CONTROL METHOD, AND STORAGE MEDIUM**

[54] **SYSTEME D'INSPECTION, PROCEDE DE COMMANDE ET SUPPORT D'INFORMATIONS**

[72] USHIJIMA, AKIRA, JP
[72] SAITO, MASAHIRO, JP
[72] CHIBA, YASUNORI, JP
[72] MATSUMOTO, SHIN, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[22] 2018-11-14
[41] 2019-05-23
[62] 3,072,737
[30] JP (2017-220461) 2017-11-15

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,169,433**
[13] A1

[51] **Int.Cl. B60N 2/56 (2006.01)**
[25] EN
[54] **VEHICLE SEATING ARRANGEMENTS**
[54] **AGENCEMENTS DE SIEGES DE VEHICULE**
[72] DECKARD, AARON D., US
[72] RUBANOVICH, BORIS, US
[72] SAARI, TRAVIS J., US
[72] MILLER, SCOTT A., US
[72] LINDEBERG, RORY A., US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-01-09
[41] 2019-07-18
[62] 3,088,961
[30] US (62/615,142) 2018-01-09
[30] US (16/242,626) 2019-01-08

[21] **3,169,460**
[13] A1

[51] **Int.Cl. B66F 5/04 (2006.01) B66F 3/30 (2006.01)**
[25] EN
[54] **FLOOR JACK LOCKOUT ASSEMBLY**
[54] **ENSEMBLE DE VERROUILLAGE DU VERIN DE PLANCHER**
[72] ANDERSEN, JONATHAN I., US
[72] RETTLER, JAMES T., US
[72] SCHULZ, BENJAMIN T., US
[71] SNAP-ON INCORPORATED, US
[22] 2020-06-05
[41] 2020-12-07
[62] 3,082,213
[30] US (16/434,730) 2019-06-07

[21] **3,169,470**
[13] A1

[25] EN
[54] **ACCESSORY DEVICE POWER MANAGEMENT**
[54] **GESTION D'ENERGIE DE DISPOSITIF ACCESSOIRE**
[72] OBIE, GENE ROBERT, US
[72] HE, YI, US
[72] EVANS, DUANE MARTIN, US
[72] HUANG, HENG, US
[72] GRUBER, MICHAEL EARL, US
[72] TANTASIRIKORN, THITIPANT, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2014-09-19
[41] 2015-03-26
[62] 2,922,505
[30] US (14/033,501) 2013-09-22

[21] **3,169,472**
[13] A1

[25] EN
[54] **TOOLS AND METHODS FOR USE IN COMPLETION OF A WELLBORE**
[54] **OUTILS ET PROCEDES A UTILISER DANS LA COMPLETION D'UN Puits DE FORAGE**
[72] STROMQUIST, MARTY, CA
[72] GETZLAF, DONALD, CA
[72] NIPPER, ROBERT, US
[72] WILLEMS, TIMOTHY HOWARD, US
[71] NCS MULTISTAGE INC., CA
[22] 2011-10-18
[41] 2012-04-26
[62] 3,104,230
[30] US (61/394,077) 2010-10-18
[30] CA (CA2,738,907) 2011-05-04
[30] US (13/100,796) 2011-05-04
[30] US (61/533,631) 2011-09-12

[21] **3,169,497**
[13] A1

[25] EN
[54] **SYSTEM AND METHOD FOR CAPTION MODIFICATION**
[54] **SYSTEME ET PROCEDE DE MODIFICATION DE SOUS-TITRES**
[72] KAHN, MICHAEL R., US
[71] ARRIS ENTERPRISES LLC, US
[22] 2017-11-17
[41] 2018-06-07
[62] 3,045,798
[30] US (15/366,043) 2016-12-01

[21] **3,169,498**
[13] A1

[51] **Int.Cl. B22C 9/10 (2006.01) B61G 3/04 (2006.01) B22D 25/02 (2006.01)**
[25] EN
[54] **RAILCAR COUPLER CORE WITH VERTICAL PARTING LINE AND METHOD OF MANUFACTURE**
[54] **PARTIE CENTRALE D'ATTELAGE DE VEHICULE DE CHEMIN DE FER AVEC LIGNE DE SEPARATION VERTICALE ET PROCEDE DE FABRICATION**
[72] NIBOUAR, F. ANDREW, US
[72] SMERECKY, JERRY R., US
[72] DAY, KELLY, US
[72] MAKARY, VAUGHN, US
[72] SALAMASICK, NICK, US
[71] BEDLOE INDUSTRIES LLC, US
[22] 2012-05-15
[41] 2012-11-29
[62] 3,067,566
[30] US (13/112,926) 2011-05-20

[21] **3,169,500**
[13] A1

[25] EN
[54] **METHODS AND DEVICES FOR COMMUNICATING ON A RADIO CHANNEL BASED ON JOINTLY ENCODING A PREAMBLE FORMAT WITH RANDOM ACCESS CONFIGURATION**
[54] **METHODES ET DISPOSITIFS DE COMMUNICATION SUR UN CANAL RADIO FONDEE SUR LE CODAGE CONJOINT D'UN FORMAT DE PREAMBULE ET D'UNE CONFIGURATION D'ACCES ALEATOIRE**
[72] BALDEMAIR, ROBERT, SE
[72] ASTELY, DAVID, SE
[71] OPTIS WIRELESS TECHNOLOGY, LLC, US
[22] 2008-08-20
[41] 2009-06-18
[62] 2,994,007
[30] US (61/013,051) 2007-12-12

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[21] **3,169,508**
[13] A1

[51] **Int.Cl. G08B 27/00 (2006.01) G08B 17/00 (2006.01) G08B 29/20 (2006.01) G08B 5/36 (2006.01)**

[25] EN

[54] **HOME EMERGENCY GUIDANCE AND ADVISEMENT SYSTEM**

[54] **SYSTEME DE GUIDAGE ET DE CONSEIL D'URGENCE DOMESTIQUE**

[72] DERICKSON, RUSSELL G., US

[71] LGHORIZON, LLC, US

[22] 2020-01-24

[41] 2020-07-30

[62] 3,127,796

[30] US (16/258,022) 2019-01-25

[21] **3,169,524**
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01)**

[25] EN

[54] **REMOTE COMPREHENSIVE EYE EXAMINATION SYSTEM**

[54] **SYSTEME D'EXAMEN DE LA VUE COMPLET A DISTANCE**

[72] VAN CLEAVE, WILLIAM K., US

[72] FRIED, BURTON T., US

[72] SCHAEFFER, KURT, US

[72] FRIED, HOWARD S., US

[71] DIGITALOPTOMETRICS LLC, US

[22] 2019-11-20

[41] 2020-03-21

[62] 3,062,093

[30] US (16/138,081) 2018-09-21

[21] **3,169,568**
[13] A1

[25] EN

[54] **KEY EXCHANGE THROUGH PARTIALLY TRUSTED THIRD PARTY**

[54] **ECHANGE DE CLES VIA UN TIERS PARTIELLEMENT DE CONFIANCE**

[72] CAMPAGNA, MATTHEW JOHN, US

[71] AMAZON TECHNOLOGIES, INC., US

[22] 2016-12-06

[41] 2017-06-15

[62] 3,005,915

[30] US (14/967,214) 2015-12-11

[21] **3,169,515**
[13] A1

[25] EN

[54] **COMPOSITIONS COMPRISING 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, 2-CHLORO-1,1,1-TRIFLUOROPROPENE, 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OR 2,3,3,3-TETRAFLUOROPROPENE**

[54] **COMPOSITIONS COMPRENANT DU 2,3-DICHLORO-1,1,1-TRIFLUOROPROPANE, DU 2-CHLORO-1,1,1-TRIFLUOROPROPENE, DU 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE OU DU 2,3,3,3-TETRAFLUOROPROPENE**

[72] MAHLER, BARRY ASHER, US

[72] NAPPA, MARIO JOSEPH, US

[71] THE CHEMOURS COMPANY FC, LLC, US

[22] 2009-05-07

[41] 2009-11-12

[62] 3,076,129

[30] US (61/126,810) 2008-05-07

[21] **3,169,533**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **TOOL FOR OPENING AND CLOSING SLEEVES WITHIN A WELLBORE**

[54] **OUTIL POUR L'OUVERTURE ET LA FERMETURE DE MANCHONS DANS UN PUIT DE FORAGE**

[72] JOHNSON, TIM, CA

[72] GETZLAF, DON, CA

[71] NCS MULTISTAGE INC., CA

[22] 2015-12-29

[41] 2016-06-29

[62] 3,090,235

[30] US (62/097,245) 2014-12-29

[21] **3,169,574**
[13] A1

[25] EN

[54] **ARRANGEMENT AND METHOD FOR THE CULTIVATION OF HORTICULTURAL PRODUCTS**

[54] **AGENCEMENT ET PROCEDE DE CULTURE DE PRODUITS HORTICOLES**

[72] CHRISTIAENS, MARTINUS LEONARDUS HENDRIKUS MARIA, NL

[71] CHRISTIAENS GROUP B.V., NL

[22] 2017-05-26

[41] 2017-11-30

[62] 3,025,612

[30] NL (2016850) 2016-05-27

[21] **3,169,567**
[13] A1

[25] EN

[54] **RADAR DETECTOR WITH MULTI-BAND DIRECTIONAL DISPLAY AND ENHANCED DETECTION OF FALSE ALERTS**

[54] **DETECTEUR RADAR AVEC DISPOSITIF D'AFFICHAGE DIRECTIONNEL MULTIBANDE ET DETECTION AMELIOREE DES FAUSSES ALERTES**

[72] KUHN, JOHN, US

[72] STEVENS, JEFF, US

[72] COBURN, ROY, US

[72] COOMER, TIMOTHY A., US

[71] ESCORT INC., US

[22] 2016-09-28

[41] 2017-04-06

[62] 3,000,392

[30] US (62/233,666) 2015-09-28

[21] **3,170,105**
[13] A1

[51] **Int.Cl. A01G 23/00 (2006.01) A01G 23/099 (2006.01) B60P 3/41 (2006.01)**

[25] EN

[54] **GRAPPLE POSITIONING SYSTEM AND METHOD FOR A WORK VEHICLE**

[54]

[72] IYER, SUCHITRA, IN

[72] PANDIT, ISHANI, IN

[72] EILDERS, JACOB M., US

[71] DEERE & COMPANY, US

[22] 2020-06-25

[41] 2021-01-09

[30] US (16/505,880) 2019-07-09

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,170,342**

[13] A1

[51] **Int.Cl. A01D 41/12 (2006.01) E05F
15/611 (2015.01)**

[25] EN

[54] **WEATHER STATION MOUNTING
FOR HARVESTING MACHINE
AND METHOD OF DEPLOYMENT
THEREOF**

[54]

[72] MUSSACK, JEFFERY, US

[72] KNAPP, GARY, US

[71] DEERE & COMPANY, US

[22] 2020-04-22

[41] 2020-10-23

[30] US (16/291,699) 2019-04-23

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METCALF, BENJAMIN J.	2,939,781	OGANESYAN, VAHEH	2,826,566	PONCE, STANLEY JAMES	2,901,372
MEYER, COLIN J.	3,062,806	OH, JUNGMIN	2,952,149	POPOV, ALEXEY	2,871,778
MEYER, KLAUS	3,104,869	OH, YOUNG JOON	3,065,083	POULTER, TREVOR	3,117,618
MIARNAU FERNANDEZ,		OKAMOTO, AKIHIKO	3,106,648	POWER PRODUCTS, LLC	2,982,540
JULIO	2,946,671	OKAMOTO, HARUKA	3,079,595	POWER-BLOX AG	3,027,976
MICHALIK, JOSEPH C., JR.	3,053,411	OKERMAN, JASON K.	2,939,299	PRADUN, JAMES N.	3,016,328
MILLER, ERIK	3,066,650	OLIN CORPORATION	2,895,020	PRATT & WHITNEY CANADA	
MILLER, KRISTINA	2,993,669	OLIVER, JAMES	2,951,867	CORP.	2,854,727
MIRAVALLS, NICOLAS	3,016,963	OLSEN, CHRISTOPHER W.	2,535,127	PRATT & WHITNEY CANADA	
MITANI, IKUO	2,936,408	OMEGA FLEX, INC.	2,948,385	CORP.	2,893,247
MOBISAFE SYSTEMS INC.	2,903,005	ONCOMATRYX BIOPHARMA,		PRATT & WHITNEY CANADA	
MORA, DANIEL C.	3,050,659	S.L.	2,937,455	CORP.	2,897,241
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PRIEFERT, HORST	2,958,460	ROUSH, MIKE	2,962,817	SHENDYE, SANJAY	3,053,411
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PUDLEINER, HEINZ	3,104,869	RUPPERT, ANDREAS	2,968,605	SHIVELY, DAVID	2,994,956
PUFFER, BENJAMIN THORPE	2,869,771	RUSSELL, JAYSON	3,073,434	SHOCK, RICKY DEAN	3,051,988
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RAMSEY, CHRISTIAN	3,086,686	SANDOR, JOSEPH	2,883,994	SIRIUS TECHNOLOGY AS	3,074,157
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REGISTER, JAMES C., III	2,871,557	SCHASEL, MICHAEL E.	3,070,380	SNOWVENTCO LIMITED	3,063,778
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ROSKOS, LORIN	2,876,636	SENSEONICS,		SUMMIT-TECH MULTIMEDIA	
ROSS, HERBERT G. JR.	3,066,583	INCORPORATED	3,073,586	COMMUNICATIONS INC.	2,902,388
ROSS-JOHNSRUD, BENJAMIN	2,961,911	SERVICENOW, INC.	3,064,400	SUN, LIGUO	3,068,061
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THE BOEING COMPANY	3,007,173	UNITED STATES MINERAL PRODUCTS COMPANY	2,938,720	WHITE, MICHAEL WELLS WHITMORE MANUFACTURING, LLC	3,081,789
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CART SOURCE LLC	3,111,103	FISCHER, DAVID B.	3,165,926	KELLY, CHARLES ROBERT	3,150,568
CARULLO, MORENO	3,149,031	FORLANI, GIORGIO	3,136,763	KEY LOGIC INC.	3,110,794
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KINOVA INC.	3,150,660	OVH	3,149,809	TECHTRONIC CORDLESS GP	3,110,925
KSM INC.	3,111,115	PACTIV LLC	3,150,566	TEETI, MOHAMMED	3,110,962
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HEISIEP, JOERG	3,169,923	HUANG, CHANGJIANG	3,161,919	ISHLER, BRADEN CARL	3,170,196
HELFRICH, PETRA	3,169,630	HUANG, CHENG	3,169,708	ISHLER, BRADEN CARL	3,170,198
HELLAND, KNUT SIMON	3,162,210	HUANG, CHING-WEN	3,170,141	ISHLER, BRADEN CARL	3,170,201
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HENDRY, HENDRY	3,170,108	HUBOLD, STEPHAN	3,161,939	ITAGAKI, NOBORU	3,170,407
HENRY, ROBERT J.	3,169,992	HUDSPETH, A. JAMES	3,170,121	ITAHASHI, TAMON	3,161,924
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HERRMANN, NATHAN	3,162,078	SYSTEMS, LLC	3,162,073	JACKSON, SEAN	3,169,616
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HERVE, PASCAL	3,170,236	HULTSCH, KATHRIN	3,170,158	JAIWAL, DEVINA	3,170,012
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JR AUTOMATION		KIM, KYUNG WON	3,169,693	KUMAR, MAYANK	3,169,587
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MEINKE, PETER	3,162,253	MOSKOWITZ, KEITH ANDREW	3,170,196	NEO PERFORMANCE MATERIALS (SINGAPORE) PTE. LTD.	3,170,188
MEINKE, PETER T.	3,170,121	MOSKOWITZ, KEITH ANDREW	3,170,198	NESS, GILLIAN CLAIRE	3,169,838
MELEG, ILDIKO	3,162,034	MOSKOWITZ, KEITH ANDREW	3,170,201	NESS, GILLIAN CLAIRE	3,169,842
MENDOZA CASTANO, SARAH	3,169,969	MOURAO, KIRA	3,161,735	NEUMANN, HEIKE	3,169,671
MENDOZA, GABRIEL J.	3,170,399	MOVVA, TULASI	3,162,070	NEWTON, GARY	3,162,021
MENEGHINI, ROBERT MICHAEL	3,169,614	MOY, CHRISTINE	3,162,070	NG, JIAN DUAN JOHNATHAN	3,170,141
MENG, QINGHUA	3,169,975	MTE CORPORATION	3,170,334	NG, SZU HWEI	3,170,188
MENSAH, KOFI	3,169,696	MU, LIWEI	3,169,832	NI, GUANGYAO	3,162,058
MERA, AKANE	3,170,213	MUELLER, FRANK R.	3,170,171	NI, MENG	3,162,089
MERG, PATRICK S.	3,170,148	MUIGG, MICHAEL	3,162,202	NIAZI, KAYVAN	3,170,359
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MERINO, MARCOS	3,170,356	MULLER, ESTELLE	3,162,027	NICOLETTE, CHARLES	3,162,074
MERINO, MARCOS	3,170,358	MULLER, MARTIN GUNTER	3,170,027	NICOVENTURES TRADING LIMITED	3,162,036
MERINO, MARCOS	3,170,362	MUNRO, SHAWN HAROLD	3,170,012	NICOVENTURES TRADING LIMITED	3,162,088
MERINO, MARCOS	3,170,365	MURAKAMI, HIROKI	3,170,317	NIETHAMMER, ANDREAS	3,161,936
MESSENGER, MITCHELL EDWIN	3,170,347	MURRAY, BRIAN JEREMIAH	3,170,160	NIHON PARKERIZING CO., LTD.	3,169,606
METAGENICS, INC.	3,161,779	MURRAY, JOHN	3,170,168	NIR, NOAM	3,170,172
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MIDDLETON, IAN ROBERT	3,170,012	MYLES, DAVID C.	3,169,679	NOBUOKA, TOSHIHIRO	3,161,924
MILLER, AMBER	3,169,863	NAGAMITSU, YOHRU	3,169,605	NOEL, JOSEPH	3,164,697
MILLER, CHRISTOPHER	3,170,325	NAGAMOCCHI, MASATOSHI	3,162,047	NOLTE, MARC	3,162,212
MILLER, KEVIN J.	3,169,587	NAGATA, SATOSHI	3,169,688	NOMONO AS	3,162,214
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MIMATA, YOSHISUKE	3,169,606	NAKANISHI, GREGORY NOBUTAKA	3,162,087	NOUR HEART, INC.	3,162,195
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MINAMI, SATORI	3,149,661	NAKAUCHI, HIROMITSU	3,170,361	NOVELIS INC.	3,169,612
MINATTI, ANA ELENA	3,170,321	NAKAZAWA, RYO	3,169,974	NOVELIS INC.	3,169,616
MIRA OBRADOR, ALEJANDRO	3,162,113	NAMBA, KOSUKE	3,170,213	NOVELIS INC.	3,169,621
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MODERNATX, INC.	3,169,669	NANJING ANJI BIOTECHNOLOGY CO., LTD.	3,169,796		
MODERNATX, INC.	3,170,150	NANJING ANJI BIOTECHNOLOGY CO., LTD.	3,169,610		
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OLTION, KEELY	3,170,118	PATRICK, MOLONEY	3,162,088	PAWEL	3,169,672
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OMURA, YOSHIHITO	3,169,692	PAUL, AMAN	3,161,731	PAWEL	3,170,153
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OPDENDRIES, BRENT	3,169,616	PEACH, LUKE	3,161,930	POSTHUMUS, WILLEM	3,170,225
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ASTELY, DAVID	3,169,500	DIONNE, LUC	3,169,415	KEHOE, THOMAS	3,169,360
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