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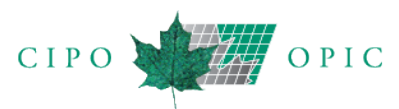
La Gazette

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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

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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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3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Prorogation des délais
6. Procédures en cas de fermeture imprévue des bureaux de l'OPIC

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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

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

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open for business.

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

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Patents

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

2.2 Online

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

Patents

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

Trademarks

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

Brevets

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

2.2 En ligne

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

Brevets

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

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

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

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

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

Marques de commerce

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

Avis

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.

Notices

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

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

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

Trademarks

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

Industrial Design

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

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Marques de commerce

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

Dessins industriels

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

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

Notices

4. General Information

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

5. Time Period Extensions

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

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

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

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

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

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

4. Renseignements généraux

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

Notices

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

8. Intellectual property acts, rules and regulations

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

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

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

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

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

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

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

Marques de commerce

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

Avis

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of November 14, 2023 contains applications open to public inspection from October 29, 2023 to November 4, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 14 novembre 2023 contient les demandes disponibles au public pour consultation pour la période du 29 octobre 2023 au 4 novembre 2023.

Canadian Patents Issued

November 14, 2023

Brevets canadiens délivrés

14 novembre 2023

[11] **2,777,366**
[13] C

[51] **Int.Cl. A61J 1/14 (2006.01) A61J 1/05 (2006.01)**

[25] EN

[54] **CONTAINERS FOR COMPOSITIONS COMPRISING MELOXICAM**

[54] **RECIPIENTS POUR COMPOSITIONS COMPRENANT DU MELOXICAM**

[72] FOLGER, MARTIN A., DE

[72] CROWLEY, SAMUEL, US

[72] WILSON, AMY, US

[73] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE

[85] 2012-04-11

[86] 2010-10-11 (PCT/US2010/052128)

[87] (WO2011/046853)

[30] US (61/250,709) 2009-10-12

[11] **2,872,908**
[13] C

[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C12N 15/13 (2006.01) C40B 30/04 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **MULTI-SPECIFIC MONOCLONAL ANTIBODIES**

[54] **ANTICORPS MONOCLONAUX MULTI-SPECIFIQUES**

[72] FREY, GERHARD, US

[72] CHANG, HWAI WEN, US

[72] SHORT, JAY M., US

[73] BIOATLA, LLC, US

[85] 2014-11-06

[86] 2013-05-10 (PCT/US2013/040575)

[87] (WO2013/170168)

[30] US (61/645,302) 2012-05-10

[11] **2,874,996**
[13] C

[51] **Int.Cl. A61N 5/06 (2006.01)**

[25] EN

[54] **APPARATUSES FOR TREATING AND/OR DIAGNOSING MOTOR-RELATED NEUROLOGICAL CONDITIONS**

[54] **APPAREILS POUR LE TRAITEMENT ET LE DIAGNOSTIC D'AFFECTIONS NEUROLOGIQUES ASSOCIEES AUX NEURONES MOTEURS**

[72] SAVAGE, KENT W., US

[72] ADAMS, DANIEL N., US

[72] WILLIS, GREGORY LYNN, US

[73] PHOTOPHARMICS, INC., US

[85] 2014-11-27

[86] 2012-12-05 (PCT/US2012/068045)

[87] (WO2013/180749)

[30] US (PCT/US2012/0040284) 2012-05-31

[11] **2,875,567**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS OF INHIBITING MASP-1 AND/OR MASP-2 AND/OR MASP-3 FOR THE TREATMENT OF VARIOUS DISEASES AND DISORDERS**

[54] **COMPOSITIONS ET PROCEDES POUR L'INHIBITION DE MASP-1 ET/OU MASP-2 ET/OU MASP-3 POUR LE TRAITEMENT DE DIVERS TROUBLES ET MALADIES**

[72] SCHWAEBLE, HANS-WILHELM, GB

[72] DEMOPULOS, GREGORY A., US

[72] DUDLER, THOMAS, US

[72] GRAY, PATRICK, US

[73] OMEROS CORPORATION, US

[73] UNIVERSITY OF LEICESTER, GB

[85] 2014-12-02

[86] 2013-06-18 (PCT/US2013/046432)

[87] (WO2013/192240)

[30] US (61/661,167) 2012-06-18

[11] **2,884,081**
[13] C

[51] **Int.Cl. B26D 1/29 (2006.01)**

[25] EN

[54] **BLADE ASSEMBLY AND FOOD CUTTING DEVICE INCORPORATING THE SAME**

[54] **DISPOSITIF DE LAME ET APPAREIL DE COUPE D'ALIMENT INTEGRANT LEDIT DISPOSITIF**

[72] AIKENS, JOHN WARREN, CA

[72] ROGERS, DAVID M., CA

[73] MCCAIN FOODS LIMITED, CA

[86] (2884081)

[87] (2884081)

[22] 2015-03-05

[30] US (14/242,232) 2014-04-01

[11] **2,886,460**
[13] C

[51] **Int.Cl. C07K 4/06 (2006.01) C07K 14/37 (2006.01)**

[25] EN

[54] **LEADER PEPTIDES FOR EXPRESSING A PROTEIN OF INTEREST IN AN EUKARYOTIC HOST CELL**

[54] **PEPTIDES-LEADERS POUR EXPRIMER UNE PROTEINE D'INTERET DANS UNE CELLULE HOTE EUKARYOTE**

[72] GASSER, BRIGITTE, AT

[72] MATTANOVICH, DIETHARD, AT

[72] HEISS, SILVIA, AT

[73] LONZA LTD, CH

[85] 2015-03-27

[86] 2013-10-29 (PCT/EP2013/072572)

[87] (WO2014/067926)

[30] EP (12190361.1) 2012-10-29

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,903,765**
[13] C

[51] **Int.Cl. G01V 3/30 (2006.01) E21B
47/01 (2012.01) G01V 13/00 (2006.01)**

[25] EN

[54] **RESTORABLE ANTENNAE
APPARATUS AND SYSTEM FOR
WELL LOGGING**

[54] **APPAREIL D'ANTENNE
RESTAURABLE, ET SYSTEME DE
DIAGRAPHIE AU FOND DU TROU**

[72] OKONKWO, CHIDIEBELE
GABRIEL, US

[72] LI, QIMING, US

[72] LI, ANZONG, CN

[72] LI, CHUANWEI, CN

[72] ZHU, JUN, CN

[73] CHINA NATIONAL PETROLEUM
CORPORATION, CN

[73] OLIDEN TECHNOLOGY, LLC, US

[85] 2015-09-02

[86] 2014-03-11 (PCT/US2014/023053)

[87] (WO2014/150361)

[30] US (13/849,231) 2013-03-22

[11] **2,915,266**
[13] C

[51] **Int.Cl. H01P 1/161 (2006.01) H01P
1/165 (2006.01) H01Q 21/24 (2006.01)**

[25] EN

[54] **ORTHOGONAL-MODE JUNCTION
COUPLER AND ASSOCIATED
POLARIZATION AND
FREQUENCY SEPARATOR**

[54] **COUPLEUR DE JONCTION A
MODE ORTHOGONAL ET
SEPARATEUR DE
POLARISATION ET DE
FREQUENCE ASSOCIE**

[72] CARTAILLAC, ERWAN, FR

[72] BOSSHARD, PIERRE, FR

[72] FERRANDO, NICOLAS, FR

[73] THALES, FR

[86] (2915266)

[87] (2915266)

[22] 2015-12-16

[30] FR (1402932) 2014-12-19

[11] **2,917,492**
[13] C

[51] **Int.Cl. A61K 35/20 (2006.01) A61K
31/7016 (2006.01) A61K 38/17
(2006.01) A61P 1/00 (2006.01)**

[25] EN

[54] **BETA-CASEIN A2 AND
REDUCING OR PREVENTING
SYMPTOMS OF LACTOSE
INTOLERANCE**

[54] **BETA-CASEINE A2 ET
REDUCTION OU PREVENTION
DES SYMPTOMES DE
L'INTOLERANCE AU LACTOSE**

[72] CLARKE, ANDREW JOHN, NZ

[72] TRIVEDI, MALAV SUCHIN, AU

[73] THE A2 MILK COMPANY LIMITED,
NZ

[85] 2016-01-06

[86] 2014-07-10 (PCT/NZ2014/000141)

[87] (WO2015/005804)

[30] US (61/845,480) 2013-07-12

[11] **2,919,278**
[13] C

[25] EN

[54] **SCORING CHARGING STATIONS
USED BY ELECTRIC VEHICLES**

[54] **NOTATION DE STATIONS DE
CHARGE UTILISEES PAR DES
VEHICULES ELECTRIQUES**

[72] MANFIELD, LUCAS, US

[72] NORTH, FORREST, US

[72] PETROSIAN, ARMEN, US

[72] WILD, NICK, US

[73] RECARGO, INC., US

[85] 2016-01-25

[86] 2014-07-25 (PCT/US2014/048311)

[87] (WO2015/013686)

[30] US (61/858,934) 2013-07-26

[30] US (61/937,397) 2014-02-07

[11] **2,925,106**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) C07K
16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **MATRIX METALLOPROTEINASE
SUBSTRATES AND OTHER
CLEAVABLE MOIETIES AND
METHODS OF USE THEREOF**

[54] **SUBSTRATS POUR
METALLOPROTEINASES
MATRICIELLES ET AUTRES
FRAGMENTS CLIVABLES ET
LEURS PROCEDES
D'UTILISATION**

[72] MOORE, STEPHEN JAMES, US

[72] NGUYEN, MARGARET THY LUU,
US

[72] HOSTETTER, DANIEL R., US

[72] VASILJEVA, OLGA, US

[72] FLANDEZ, JEANNE GRACE, US

[73] CYTOMX THERAPEUTICS, INC., US

[85] 2016-03-22

[86] 2014-09-25 (PCT/US2014/057523)

[87] (WO2015/048329)

[30] US (61/882,377) 2013-09-25

[30] US (61/971,332) 2014-03-27

[11] **2,927,784**
[13] C

[51] **Int.Cl. A01N 37/46 (2006.01) A01N
25/00 (2006.01)**

[25] EN

[54] **USE OF PESTICIDAL ACTIVE
CARBOXAMIDE DERIVATIVE IN
SOIL AND SEED APPLICATION
AND TREATMENT METHODS**

[54] **UTILISATION D'UN DERIVE
CARBOXAMIDE ACTIF COMME
PESTICIDE DANS DES PROCEDES
DE TRAITEMENT ET
D'APPLICATION AUX SOLS ET
AUX GRAINES**

[72] SIKULJAK, TATJANA, DE

[72] GEWEHR, MARKUS, DE

[72] MENON, ANIL, US

[73] BASF AGROCHEMICAL PRODUCTS
B.V., NL

[85] 2016-04-15

[86] 2014-10-16 (PCT/EP2014/072192)

[87] (WO2015/055757)

[30] US (61/892,502) 2013-10-18

[30] US (61/906,441) 2013-11-20

**Canadian Patents Issued
November 14, 2023**

[11] **2,930,147**
[13] C

[51] **Int.Cl. A01D 57/20 (2006.01) A01D 47/00 (2006.01) A01D 61/00 (2006.01)**
[25] EN
[54] **TWO-SIDED CLEANING ARRANGEMENTS FOR ENDLESS BELTS**
[54] **DISPOSITIFS DE NETTOYAGE A DEUX COTES DESTINES A DES COURROIES SANS FIN**
[72] HASENOUR, ANTHONY M., US
[73] DEERE & COMPANY, US
[86] (2930147)
[87] (2930147)
[22] 2016-05-16
[30] US (14/724,474) 2015-05-28

[11] **2,930,323**
[13] C

[51] **Int.Cl. B67D 7/06 (2010.01)**
[25] EN
[54] **SUPERIMPOSED QR CODE FOR DISPENSER AND REPLACEABLE RESERVOIR**
[54] **CODE QR SURIMPOSE DESTINE A UN DISTRIBUTEUR ET RESERVOIR REMPLACABLE**
[72] OPHARDT, HEINER, CH
[72] DUNCAN, DAVID, CA
[72] OPHARDT, HENDRIK, CA
[73] OP-HYGIENE IP GMBH, CH
[86] (2930323)
[87] (2930323)
[22] 2016-05-17

[11] **2,932,080**
[13] C

[51] **Int.Cl. G02B 5/20 (2006.01) B42D 25/36 (2014.01) G02F 1/23 (2006.01) G02F 1/29 (2006.01) G07D 7/12 (2016.01)**
[25] EN
[54] **OPTICAL DEVICES, AND THEIR USE FOR SECURITY AND AUTHENTICATION**
[54] **DISPOSITIFS OPTIQUES ET LEUR UTILISATION POUR LA SECURITE ET L'AUTHENTIFICATION**
[72] VENDETTE, DENIS GERARD, CA
[72] MACPHERSON, CHARLES DOUGLAS, US
[73] NANOTECH SECURITY CORP., CA
[86] (2932080)
[87] (2932080)
[22] 2016-06-03
[30] US (62/173,628) 2015-06-10

[11] **2,935,822**
[13] C

[51] **Int.Cl. H02B 1/14 (2006.01) H01H 71/02 (2006.01) H02B 1/04 (2006.01)**
[25] EN
[54] **MINIATURE CIRCUIT BREAKER FOR A NO-TOUCH LOAD CENTER**
[54] **DISJONCTEUR MINIATURE DESTINE A UN CENTRE D'ALIMENTATION SANS TOUCHER**
[72] MITTELSTADT, CHAD R., US
[73] SCHNEIDER ELECTRIC USA, INC., US
[86] (2935822)
[87] (2935822)
[22] 2016-07-08
[30] US (14/802,574) 2015-07-17

[11] **2,938,119**
[13] C

[51] **Int.Cl. B64D 41/00 (2006.01) B64D 33/00 (2006.01)**
[25] EN
[54] **AUXILIARY POWER UNIT WITH ELECTRICALLY DRIVEN COMPRESSOR**
[54] **MODULE D'ALIMENTATION AUXILIAIRE A COMPRESSEUR ENTRAINEE ELECTRIQUEMENT**
[72] JONES, ANTHONY, US
[72] JULIEN, ANDRE, CA
[72] MENHEERE, DAVID, CA
[72] THOMASSIN, JEAN, CA
[72] ULLYOTT, RICHARD, CA
[72] VAN DEN ENDE, DANIEL, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2938119)
[87] (2938119)
[22] 2016-08-04
[30] US (15/227,318) 2016-08-03
[30] US (62/202,283) 2015-08-07

[11] **2,938,416**
[13] C

[51] **Int.Cl. H05K 7/14 (2006.01)**
[25] EN
[54] **MOUNTING DEVICES**
[54] **DISPOSITIFS DE MONTAGE**
[72] MASTROCCOLA, NAISON E., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2938416)
[87] (2938416)
[22] 2016-08-08
[30] US (14/829,068) 2015-08-18

[11] **2,939,701**
[13] C

[51] **Int.Cl. A61F 13/08 (2006.01) A43B 7/22 (2006.01) A43B 17/02 (2006.01) A61F 13/06 (2006.01)**
[25] EN
[54] **ELASTIC VENOUS COMPRESSION ORTHOSIS**
[54] **ORTHESE DE COMPRESSION VEINEUSE ELASTIQUE**
[72] SLASKI, JEAN-PIERRE, FR
[73] LABORATOIRES INNOTHERA, FR
[86] (2939701)
[87] (2939701)
[22] 2016-08-19
[30] FR (15 57 836) 2015-08-20

[11] **2,940,708**
[13] C

[51] **Int.Cl. F01D 5/08 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01)**
[25] EN
[54] **TURBINE ROTOR COOLANT SUPPLY SYSTEM**
[54] **SYSTEME D'APPROVISIONNEMENT DE REFRIGERANT DE ROTOR DE TURBINE**
[72] HUPPE, ROGER, CA
[72] TARDIF, MARC, CA
[72] TURCOTTE, HERVE, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2940708)
[87] (2940708)
[22] 2016-08-29
[30] US (14/974,338) 2015-12-18

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,943,850**
[13] C

[51] **Int.Cl. C07C 51/353 (2006.01) B01J 21/00 (2006.01) C10G 3/00 (2006.01) C10G 50/00 (2006.01)**

[25] EN

[54] **METHOD FOR CATALYTIC CONVERSION OF KETOACIDS AND HYDROTREATMENT TO HYDROCARBONS**

[54] **PROCEDE POUR LA CONVERSION CATALYTIQUE DE CETOACIDES ET L'HYDRO-TRAITEMENT AUX HYDROCARBURES**

[72] LINDBLAD, MARINA, FI

[72] IKONEN, ELIAS, FI

[72] SELANTAU, MAARIA, FI

[72] KALDSTROM, MATS, FI

[73] NESTE OYJ, FI

[85] 2016-09-26

[86] 2015-03-26 (PCT/EP2015/056655)

[87] (WO2015/144856)

[30] EP (14161793.6) 2014-03-26

[30] EP (14199725.4) 2014-12-22

[11] **2,944,306**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/62 (2013.01) H04L 9/08 (2006.01)**

[25] EN

[54] **VALIDATING ENCRYPTED DATA FROM A MULTI-LAYER TOKEN**

[54] **VALIDATION DE DONNEES CHIFFREES A PARTIR D'UN JETON MULTICOUCHE**

[72] MOLNAR, MATTHEW RANDOLPH, CA

[72] BARNETT, JOHNATHAN K., CA

[72] LEE, JOHN JONG SUK, CA

[72] CHAN, PAUL MON-WAH, CA

[72] DEL VECCHIO, ORIN, CA

[73] THE TORONTO-DOMINION BANK, CA

[86] (2944306)

[87] (2944306)

[22] 2016-10-05

[30] US (62/249,148) 2015-10-30

[11] **2,949,097**
[13] C

[51] **Int.Cl. A47K 10/16 (2006.01) A47K 7/00 (2006.01) A61K 8/02 (2006.01) B32B 5/18 (2006.01) B32B 5/26 (2006.01) B32B 37/00 (2006.01) D21F 11/14 (2006.01) D21H 27/32 (2006.01)**

[25] EN

[54] **FLUSHABLE WIPE AND METHOD OF FORMING THE SAME**

[54] **LINGETTE JETABLE DANS LES TOILETTES ET SON PROCEDE DE FABRICATION**

[72] RAMARATNAM, KARTHIK, US

[72] SEALEY, JAMES E., US

[72] MILLER, BYRD TYLER, IV, US

[72] ANDRUKH, TARAS Z., US

[72] PENCE, JUSTIN C., US

[73] FIRST QUALITY TISSUE, LLC, US

[85] 2016-11-14

[86] 2015-05-18 (PCT/US2015/031411)

[87] (WO2015/176063)

[30] US (61/994,563) 2014-05-16

[11] **2,950,848**
[13] C

[51] **Int.Cl. A01H 5/00 (2018.01) A01N 65/08 (2009.01) A01P 21/00 (2006.01) C07K 14/415 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**

[25] FR

[54] **USE OF MICROPEPTIDES IN ORDER TO STIMULATE PLANT GROWTH**

[54] **UTILISATION DE MICROPEPTIDES POUR FAVORISER LA CROISSANCE DES PLANTES**

[72] COMBIER, JEAN-PHILIPPE, FR

[72] LAURESSERGUES, DOMINIQUE, FR

[72] BECARD, GUILLAUME, FR

[73] UNIVERSITE TOULOUSE III-PAUL SABATIER, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[85] 2016-11-30

[86] 2015-06-03 (PCT/FR2015/051472)

[87] (WO2015/185861)

[30] FR (14/55045) 2014-06-03

[30] FR (14/55046) 2014-06-03

[30] FR (15/52469) 2015-03-24

[11] **2,951,018**
[13] C

[51] **Int.Cl. A01H 17/00 (2006.01) A01G 18/00 (2018.01) A01G 18/10 (2018.01) A01G 7/00 (2006.01) A01H 15/00 (2006.01) C07K 14/415 (2006.01) C12N 1/14 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01) C05F 11/08 (2006.01)**

[25] FR

[54] **USE OF MICROPEPTIDES IN ORDER TO STIMULATE MYCORRHIZAL SYMBIOSIS**

[54] **UTILISATION DE MICROPEPTIDES POUR FAVORISER LA SYMBIOSE MYCORRHIZIENNE**

[72] COMBIER, JEAN-PHILIPPE, FR

[72] LAURESSERGUES, DOMINIQUE, FR

[72] BECARD, GUILLAUME, FR

[73] UNIVERSITE TOULOUSE III-PAUL SABATIER, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[85] 2016-12-01

[86] 2015-06-03 (PCT/FR2015/051473)

[87] (WO2015/185862)

[30] FR (14/55047) 2014-06-03

[30] FR (15/52462) 2015-03-24

[11] **2,952,950**
[13] C

[51] **Int.Cl. A61K 31/4709 (2006.01) A61K 9/46 (2006.01) A61K 47/00 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOSITIONS WITH EFFERVESCENT AGENTS**

[54] **COMPOSITIONS ANTIMICROBIENNES RENFERMANT DES AGENTS EFFERVESCENTS**

[72] LI, DANPING, US

[73] MELINTA SUBSIDIARY CORP., US

[85] 2016-12-19

[86] 2015-06-19 (PCT/US2015/036605)

[87] (WO2015/196027)

[30] US (62/014,786) 2014-06-20

**Canadian Patents Issued
November 14, 2023**

[11] **2,954,279**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 1/00 (2006.01)**
[25] EN
[54] **VACCINES AGAINST AN ONCOGENIC ISOFORM OF ESR1 AND METHODS OF USING THE SAME**
[54] **VACCINS DIRIGES CONTRE UNE ISOFORME ONCOGENE D'ESR1 ET LEURS METHODES D'UTILISATION**
[72] LYERLY, HERBERT K., US
[72] OSADA, TAKUYA, US
[72] HARTMAN, ZACHARY C., US
[73] DUKE UNIVERSITY, US
[85] 2017-01-04
[86] 2015-07-07 (PCT/US2015/039367)
[87] (WO2016/007504)
[30] US (62/021,586) 2014-07-07

[11] **2,954,964**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **IMMUNOGENIC POLYPEPTIDE COMPOSED OF HLA-B7 RESTRICTED TUMOR ANTIGEN-DERIVED OPTIMIZED CRYPTIC PEPTIDES, AND USES THEREOF**
[54] **POLYPEPTIDE IMMUNOGENE COMPOSE DE PEPTIDES CRYPTIQUE OPTIMISES DERIVES DE L'ANTIGENE TUMORAL RESTREINT A HLA-B7, ET LEURS UTILISATIONS**
[72] GALLOU, CATHERINE, FR
[72] MENEZ-JAMET, JEANNE, FR
[73] KRIPTIC PHARMACEUTICALS LIMITED, IE
[85] 2017-01-12
[86] 2015-07-17 (PCT/IB2015/055438)
[87] (WO2016/012921)
[30] EP (14306187.7) 2014-07-22

[11] **2,956,771**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **METHODS OF RECOVERING HEAVY HYDROCARBONS BY HYBRID STEAM-SOLVENT PROCESSES**
[54] **METHODES DE RECUPERATION D'HYDROCARBURES LOURDS PAR DES PROCEDES VAPEUR-SOLVANT HYBRIDES**
[72] FILSTEIN, ALEXANDER ELI, CA
[73] CENOVUS ENERGY INC., CA
[86] (2956771)
[87] (2956771)
[22] 2017-01-31
[30] US (62/289,759) 2016-02-01

[11] **2,959,086**
[13] C

[51] **Int.Cl. A61M 5/142 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INFUSING FLUID THROUGH A TUBE BY APPROPRIATELY HEATING THE TUBE**
[54] **APPAREIL ET PROCEDE D'INFUSION DE FLUIDE A TRAVERS UN TUBE PAR LE CHAUFFAGE APPROPRIE DU TUBE**
[72] BIASI, JOHN J., US
[72] GRAY, LARRY B., US
[72] PAWLOWSKI, DANIEL F., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2017-02-22
[86] 2015-09-14 (PCT/US2015/049952)
[87] (WO2016/044146)
[30] US (62/052,008) 2014-09-18

[11] **2,959,171**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **CD123 BINDING AGENTS AND USES THEREOF**
[54] **AGENTS DE LIAISON CD123 ET LEURS UTILISATIONS**
[72] GAUDET, FRANCOIS, US
[72] ATTAR, RICARDO, US
[72] HARMAN, BENJAMIN C., US
[72] LI, YINGZHE, US
[72] LUO, JINQUAN, US
[72] MCDAID, RONAN, US
[72] POMERANTZ, STEVEN C., US
[72] TAM, SUSAN H., US
[72] TEPLYAKOV, ALEXEY, US
[72] WHEELER, JOHN, US
[72] WU, SHENG-JIUN, US
[72] NEMETH, JENNIFER F., US
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-02-23
[86] 2015-09-03 (PCT/US2015/048316)
[87] (WO2016/036937)
[30] US (62/046,682) 2014-09-05

[11] **2,959,327**
[13] C

[51] **Int.Cl. C12M 1/32 (2006.01) B01L 3/00 (2006.01) C12M 1/12 (2006.01) C12M 1/18 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **MULTI-WELL SAMPLE TESTING APPARATUS AND METHODS OF SAMPLE TESTING USING THE SAME**
[54] **APPAREIL DE TEST D'ECHANTILLONS A CAVITES MULTIPLES ET PROCEDES DE TEST D'ECHANTILLONS UTILISANT CELUI-CI**
[72] BRODER, DANIEL, US
[72] CHAPPER, LAWRENCE, US
[72] NEWPORT, VERONICA, US
[72] ROLLINS, JULIE, US
[72] SWALLA, BRIAN, US
[72] WAGNER, SCOTT, US
[72] WHITE, DAVID, US
[73] IDEXX LABORATORIES, INC., US
[85] 2017-02-24
[86] 2015-08-19 (PCT/US2015/045907)
[87] (WO2016/032824)
[30] US (14/467,223) 2014-08-25

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,959,411**
[13] C

[51] **Int.Cl. H02H 9/00 (2006.01) H02H 1/04 (2006.01)**
[25] EN
[54] **SYSTEM AND CONTROL METHOD TO IMPROVE THE RELIABILITY OF MINERAL INSULATED ELECTRICAL CABLES**
[54] **SYSTEME ET PROCEDE DE COMMANDE AMELIORANT LA FIABILITE DE CABLES ELECTRIQUES A ISOLATION MINERALE**
[72] BOURGEOIS, LEE JOSEPH, JR., US
[73] BOURGEOIS, LEE JOSEPH, JR., US
[85] 2017-02-24
[86] 2015-09-08 (PCT/US2015/048966)
[87] (WO2016/040335)
[30] US (14/480,302) 2014-09-08

[11] **2,960,054**
[13] C

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING INFLAMMATION**
[54] **COMPOSITIONS ET METHODES POUR TRAITER ET PREVENIR L'INFLAMMATION**
[72] SAPIEHA, PRZEMYSLAW, CA
[72] BEAULIEU, NORMAND, CA
[73] RSEM, LIMITED PARTNERSHIP, CA
[85] 2017-03-02
[86] 2015-09-08 (PCT/CA2015/050862)
[87] (WO2016/033699)
[30] US (62/046,459) 2014-09-05

[11] **2,960,340**
[13] C

[51] **Int.Cl. A01N 63/00 (2020.01) A01N 63/20 (2020.01) A01N 63/30 (2020.01) A01P 21/00 (2006.01) C12N 1/00 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **MICROBIAL COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS MICROBIENNES ET PROCEDES ASSOCIES**
[72] BYWATER-EKEGARD, MARGARET, CA
[72] FITZSIMMONS, ANANDA, CA
[73] CONCENTRIC AG CORPORATION, US
[85] 2017-03-06
[86] 2015-09-09 (PCT/IB2015/001950)
[87] (WO2016/038460)
[30] US (62/048,256) 2014-09-09

[11] **2,963,312**
[13] C

[51] **Int.Cl. C12P 7/22 (2006.01) C07C 41/01 (2006.01) C07C 67/297 (2006.01) C07C 69/94 (2006.01) C07C 255/54 (2006.01) C07D 301/00 (2006.01) C12P 7/24 (2006.01) C12P 7/26 (2006.01) C12P 7/62 (2022.01) C12P 7/66 (2006.01) C12P 13/00 (2006.01) C12P 17/16 (2006.01)**
[25] EN
[54] **NEW PROCESS FOR PREPARING BIPHENYL COMPOUNDS**
[54] **NOUVEAUX PROCEDES DE PREPARATION DE COMPOSES BIPHENYLIQUES**
[72] GRELIER, STEPHANE, FR
[72] CRAMAIL, HENRI, FR
[72] LLEVOT, AUDREY, FR
[72] CARLOTTI, STEPHANE, FR
[72] GRAU, ETIENNE, FR
[73] UNIVERSITE DE BORDEAUX, FR
[73] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[85] 2017-03-31
[86] 2015-10-05 (PCT/EP2015/072957)
[87] (WO2016/050988)
[30] EP (14306566.2) 2014-10-03

[11] **2,964,138**
[13] C

[51] **Int.Cl. C12N 15/67 (2006.01) C12N 15/64 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **DISRUPTION AND FIELD ENABLED DELIVERY OF COMPOUNDS AND COMPOSITIONS INTO CELLS**
[54] **ACHEMINEMENT DE COMPOSES ET DE COMPOSITIONS DANS DES CELLULES ACTIVE PAR DES PERTURBATIONS ET UN CHAMP**
[72] DING, XIAOYUN, US
[72] SHAREI, ARMON R., US
[72] LANGER, ROBERT S., US
[72] JENSEN, KLAUS F., US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2017-04-07
[86] 2015-11-13 (PCT/US2015/060689)
[87] (WO2016/077761)
[30] US (62/080,201) 2014-11-14
[30] US (62/239,241) 2015-10-08

[11] **2,965,068**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 47/00 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR CONTROLLING FLOW COMMUNICATION WITH A SUBTERRANEAN FORMATION**
[54] **APPAREIL, SYSTEMES ET METHODES DE CONTROLE DE LA COMMUNICATION DU FLUX DANS UNE FORMATION SOUTERRAINE**
[72] JOHNSON, TIM, CA
[72] RAVENSBERGEN, JOHN, CA
[73] NCS MULTISTAGE INC., CA
[86] (2965068)
[87] (2965068)
[22] 2017-04-24
[30] US (62/326,306) 2016-04-22

**Canadian Patents Issued
November 14, 2023**

[11] **2,965,331**
[13] C

[51] **Int.Cl. H05B 47/115 (2020.01) H05B 47/16 (2020.01)**
[25] EN
[54] **SMART LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE INTELLIGENT**
[72] REIN, HARRY, US
[73] VIVINT, INC., US
[85] 2017-04-20
[86] 2015-10-22 (PCT/US2015/056927)
[87] (WO2016/065154)
[30] US (14/522,498) 2014-10-23

[11] **2,968,284**
[13] C

[51] **Int.Cl. G01N 33/569 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHODS FOR THE DETERMINATION OF THE BIOLOGICAL ACTIVITIES OF NEUROTOXIN POLYPEPTIDES**
[54] **METHODES DE DETERMINATION DES ACTIVITES BIOLOGIQUES DE POLYPEPTIDES DE NEUROTOXINE**
[72] EISELE, KARL-HEINZ, DE
[73] MERZ PHARMA GMBH & CO. KGAA, DE
[85] 2017-05-18
[86] 2015-11-20 (PCT/EP2015/077245)
[87] (WO2016/079310)
[30] EP (14194265.6) 2014-11-21

[11] **2,969,428**
[13] C

[51] **Int.Cl. G01N 1/02 (2006.01)**
[25] EN
[54] **WELDLESS SAMPLE PORT**
[54] **ORIFICE D'ECHANTILLONNAGE SANS SOUDURE**
[72] BROWN, GREGORY ANTHONY, CA
[72] BOBYK, BRIAN ROBERT, CA
[73] REM TECHNOLOGY INC., CA
[86] (2969428)
[87] (2969428)
[22] 2017-06-02

[11] **2,969,996**
[13] C

[51] **Int.Cl. G03B 21/56 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF VIBRATING A SCREEN**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE FAIRE VIBRER UN ECRAN**
[72] TREMBLAY, DENIS GILLES, CA
[72] ARIANA, GASHTASEB, CA
[73] IMAX THEATRES INTERNATIONAL LIMITED, IE
[85] 2017-06-06
[86] 2015-12-08 (PCT/IB2015/059446)
[87] (WO2016/092471)
[30] US (62/089,479) 2014-12-09

[11] **2,971,954**
[13] C

[51] **Int.Cl. E04B 1/68 (2006.01) E04B 1/82 (2006.01) E04B 2/74 (2006.01) E04B 2/82 (2006.01)**
[25] EN
[54] **JOINT-SEALING TAPE AND SEALING ASSEMBLY HAVING SUCH SEALING TAPE**
[54] **BANDE D'ETANCHEITE DE JOINTS ET SYSTEME D'ETANCHEITE MUNI DE LADITE BANDE D'ETANCHEITE**
[72] KOGLER, MARKUS, DE
[72] GROSSE, BERND, AT
[72] KLEIN, MANFRED, DE
[72] FORG, CHRISTIAN, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2017-06-22
[86] 2016-02-12 (PCT/EP2016/052981)
[87] (WO2016/128536)
[30] EP (15155101.7) 2015-02-13

[11] **2,972,209**
[13] C

[51] **Int.Cl. A61K 45/06 (2006.01) C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 31/711 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **CELL DEATH-INDUCING AGENT, CELL GROWTH-INHIBITING AGENT, AND PHARMACEUTICAL COMPOSITION FOR TREATMENT OF DISEASE CAUSED BY ABNORMAL CELL GROWTH**
[54] **AGENT INDUCTEUR DE MORT CELLULAIRE, AGENT CYTOSTATIQUE, ET COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE MALADIES PROVOQUEES PAR UNE CROISSANCE CELLULAIRE ANORMALE**
[72] TANAKA, HIROYUKI, JP
[72] MINOMI, KENJIROU, JP
[72] NIITSU, YOSHIRO, JP
[73] NITTO DENKO CORPORATION, JP
[85] 2017-06-23
[86] 2015-12-24 (PCT/JP2015/085991)
[87] (WO2016/104588)
[30] JP (2014-266198) 2014-12-26
[30] JP (2015-135494) 2015-07-06
[30] JP (2015-247725) 2015-12-18

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,972,904**
[13] C

[51] **Int.Cl. A01H 5/00 (2018.01) A01C 1/00 (2006.01) A01G 7/00 (2006.01) A01G 7/06 (2006.01) A01H 1/04 (2006.01) A01H 3/00 (2006.01) A01H 5/10 (2018.01) A01H 17/00 (2006.01) A01P 21/00 (2006.01) C05F 11/08 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) C12N 5/04 (2006.01)**

[25] EN

[54] **SEED ENDOPHYTES ACROSS CULTIVARS AND SPECIES, ASSOCIATED COMPOSITIONS, AND METHODS OF USE THEREOF**

[54] **ENDOPHYTES DE GRAINES PRESENTS PARMIS DES CULTIVARS ET DES ESPECES, COMPOSITIONS ASSOCIEES, ET LEURS PROCEDES D'UTILISATION**

[72] SAMAYOA, PHILLIP, US
[72] VON MALTZAHN, GEOFFREY, US
[72] AMBROSE, KAREN V., US
[72] BILLINGS, NATHAN A., US
[72] DJONOVIC, SLAVICA, US
[72] FLAVELL, RICHARD BAILEY, US
[72] GULICK, TRUDI A., US
[72] JOHNSTON, DAVID MORRIS, US
[72] LEFF, JONATHAN W., US
[72] LIVA, STEPHANIE M., US
[72] LYFORD, JEFFREY, US
[72] MARQUEZ, LUIS MIGUEL, US
[72] MILLET, YVES ALAIN, US
[72] SADOWSKI, CRAIG, US
[72] TOLEDO, GERARDO V., US
[72] WEISMAN, DAVID R., US
[72] ZHANG, XUECHENG, US
[73] INDIGO AG, INC., US
[85] 2017-06-30
[86] 2015-12-30 (PCT/US2015/068206)
[87] (WO2016/109758)
[30] US (62/098,296) 2014-12-30
[30] US (62/098,299) 2014-12-30
[30] US (62/098,304) 2014-12-30
[30] US (62/098,302) 2014-12-30
[30] US (62/098,298) 2014-12-30
[30] US (62/156,028) 2015-05-01
[30] US (62/156,021) 2015-05-01
[30] US (PCT/US2015/038187) 2015-06-26

[11] **2,974,768**
[13] C

[51] **Int.Cl. C07D 239/28 (2006.01) A01N 43/54 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **HERBICIDAL PHENYLPYRIMIDINES**

[54] **PHENYLPYRIMIDINES HERBICIDES**

[72] VOGT, FLORIAN, DE
[72] WITSCHEL, MATTHIAS, DE
[72] SEITZ, THOMAS, DE
[72] MICHROWSKA-PIANOWSKA, ANNA ALEKSANDRA, DE
[72] PARRA RAPADO, LILIANA, DE
[72] EVANS, RICHARD R., US
[72] KRAEMER, GERD, DE
[72] NEWTON, TREVOR WILLIAM, DE
[72] HANZLIK, KRISTIN, DE
[72] SCHACHTSCHABEL, DOREEN, DE
[72] KREUZ, KLAUS, DE
[73] BASF SE, DE
[85] 2017-07-24
[86] 2016-01-28 (PCT/EP2016/051741)
[87] (WO2016/120355)
[30] EP (15153269.4) 2015-01-30

[11] **2,975,193**
[13] C

[51] **Int.Cl. G01N 21/64 (2006.01) A61B 8/12 (2006.01) G01N 33/52 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR HIGH-RESOLUTION IMAGING**

[54] **SYSTEMES ET PROCEDES D'IMAGERIE A HAUTE RESOLUTION**

[72] YUAN, BAOHONG, US
[72] CHENG, BINGBING, US
[72] WEI, MINGYUAN, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2017-07-26
[86] 2016-02-08 (PCT/US2016/016941)
[87] (WO2016/127158)
[30] US (14/615,993) 2015-02-06

[11] **2,975,208**
[13] C

[51] **Int.Cl. G01M 13/00 (2019.01) G01M 15/00 (2006.01)**

[25] FR

[54] **METHOD, SYSTEM AND COMPUTER PROGRAM FOR LEARNING PHASE OF AN ACOUSTIC OR VIBRATORY ANALYSIS OF A MACHINE**

[54] **PROCEDE, SYSTEME ET PROGRAMME D'ORDINATEUR POUR PHASE D'APPRENTISSAGE D'UNE ANALYSE ACOUSTIQUE OU VIBRATOIRE D'UNE MACHINE**

[72] BENSE, WILLIAM, FR
[72] BOITEUX, JEAN-MICHEL, FR
[72] DUPONT, AUDREY, FR
[72] GRIFFATON, JULIEN CHRISTIAN PASCAL, FR
[72] LACAILLE, JEROME HENRI NOEL, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-07-27
[86] 2016-01-28 (PCT/FR2016/050176)
[87] (WO2016/120566)
[30] FR (15 50735) 2015-01-30

[11] **2,977,686**
[13] C

[51] **Int.Cl. C10G 32/02 (2006.01) C10C 3/14 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR REFINING HYDROCARBONS WITH ELECTROMAGNETIC ENERGY**

[54] **PROCEDE ET APPAREIL DE RAFFINAGE D'HYDROCARBURES FONCTIONNANT AVEC DE L'ENERGIE ELECTROMAGNETIQUE**

[72] BRODER, CALVAN ALLAN, CA
[73] 1836272 ALBERTA LTD., CA
[85] 2017-08-24
[86] 2016-02-25 (PCT/CA2016/050196)
[87] (WO2016/134476)
[30] US (62/120,670) 2015-02-25

Canadian Patents Issued
November 14, 2023

[11] **2,977,911**
[13] C

[51] **Int.Cl. A61B 5/107 (2006.01) A01K 29/00 (2006.01) A61D 19/00 (2006.01) A61B 5/00 (2006.01)**

[25] EN

[54] **IMPROVED METHOD AND APPARATUS FOR THE DETERMINATION OF THE BODY CONDITION SCORE, BODY WEIGHT AND STATE OF FERTILITY**

[54] **PROCEDE AMELIORE ET APPAREIL ASSOCIE POUR LA DETERMINATION DU SCORE D'ETAT CORPOREL, DU POIDS CORPOREL ET DE L'ETAT DE FERTILITE**

[72] BIONDI, ANDREA, CH
[73] LIVESTOCK 3D S.A., CH
[85] 2017-08-25
[86] 2016-02-26 (PCT/IB2016/051058)
[87] (WO2016/135684)
[30] IT (102015000007139) 2015-02-27
[30] IT (102015000049550) 2015-09-08

[11] **2,978,965**
[13] C

[51] **Int.Cl. A61K 31/167 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **1-((N-(2BENZYL-PHENYL)-CARBAMOYL-METHYL)-CARBAMOYL)-NAPHTHALENE AS ANTICANCER THERAPEUTIC AGENT**

[54] **1-((N-(2BENZYL-PHENYL)-CARBAMOYL-METHYL)-CARBAMOYL)-NAPHTHALENE COMME AGENT THERAPEUTIQUES ANTICANCEREUX**

[72] HICKEY, ROBERT J., US
[72] MALKAS, LINDA H., US
[73] RLL, LLC, US
[85] 2017-09-06
[86] 2016-04-08 (PCT/US2016/026619)
[87] (WO2016/164707)
[30] US (14/684,259) 2015-04-10

[11] **2,981,643**
[13] C

[51] **Int.Cl. G06F 16/9038 (2019.01) H04N 21/482 (2011.01) H04N 21/6587 (2011.01) G06F 16/738 (2019.01) G06F 16/74 (2019.01) G06F 16/904 (2019.01) G06F 16/906 (2019.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR GENERATING CLUSTER-BASED SEARCH RESULTS**

[54] **PROCEDES ET SYSTEMES DE GENERATION DE RESULTATS DE RECHERCHE A BASE DE GROUPEES**

[72] PATEL, MILAN, US
[73] ROVI GUIDES, INC., US
[85] 2017-10-02
[86] 2016-03-29 (PCT/US2016/024700)
[87] (WO2016/160797)
[30] US (14/675,290) 2015-03-31

[11] **2,981,878**
[13] C

[51] **Int.Cl. F25C 3/04 (2006.01) H04W 88/08 (2009.01) A01G 15/00 (2006.01) E01H 4/02 (2006.01) E03B 9/02 (2006.01)**

[25] EN

[54] **SNOWMAKING AUTOMATION SYSTEM AND MODULES**

[54] **SYSTEME ET MODULES D'AUTOMATISATION DE FABRICATION DE NEIGE ARTIFICIELLE**

[72] DODSON, MITCHELL JOE, US
[73] SNOW LOGIC, INC., US
[85] 2017-10-04
[86] 2016-04-06 (PCT/US2016/026274)
[87] (WO2016/164500)
[30] US (62/143,776) 2015-04-06
[30] US (15/092,574) 2016-04-06

[11] **2,982,030**
[13] C

[51] **Int.Cl. B27K 3/34 (2006.01) B27K 3/02 (2006.01)**

[25] EN

[54] **METHOD FOR THE ACETYLATION OF WOOD**

[54] **PROCEDE D'ACETYLATION DU BOIS**

[72] MARISSAL, DANIEL, GB
[72] KAPPEN, THEODORUS GERARDUS MARINUS MARIA, GB
[73] TRICOYA TECHNOLOGIES LTD, GB
[85] 2017-10-06
[86] 2016-04-13 (PCT/EP2016/058147)
[87] (WO2016/166177)
[30] EP (15163386.4) 2015-04-13

[11] **2,982,398**
[13] C

[51] **Int.Cl. C05G 3/40 (2020.01) C05G 5/12 (2020.01) C05G 5/30 (2020.01) A01N 25/26 (2006.01) C08G 18/18 (2006.01) C09D 175/04 (2006.01)**

[25] EN

[54] **RESIN-COATED GRANULAR SUBSTANCE AND METHOD OF PRODUCING SAME**

[54] **SUBSTANCE GRANULAIRE REVETUE DE RESINE ET METHODE DE PRODUCTION**

[72] WALLENHORST, CAROLIN, DE
[72] WINTER, REINHARD, DE
[72] KLESING, JAN, DE
[73] ASK CHEMICALS GMBH, DE
[85] 2017-10-11
[86] 2016-04-12 (PCT/EP2016/058012)
[87] (WO2016/166100)
[30] DE (10 2015 004 670.5) 2015-04-13

[11] **2,982,593**
[13] C

[51] **Int.Cl. B05B 1/32 (2006.01) F16K 21/00 (2006.01) F16K 27/02 (2006.01) F16K 31/363 (2006.01) F16L 55/07 (2006.01) F17D 3/12 (2006.01)**

[25] EN

[54] **WATER INJECTOR NOZZLE**

[54] **BUSE D'INJECTEUR D'EAU**

[72] TEELE, ROBERT WILLIAM, US
[72] MERRILL, PETER, US
[73] DRESSER, LLC, US
[85] 2017-10-12
[86] 2016-03-24 (PCT/US2016/023936)
[87] (WO2016/171835)
[30] US (14/691,774) 2015-04-21

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,983,084**
[13] C

[51] **Int.Cl. B32B 21/08 (2006.01) B27K 3/12 (2006.01) B27K 5/00 (2006.01) B27N 7/00 (2006.01) B29C 70/12 (2006.01) C08J 5/06 (2006.01) D21H 11/18 (2006.01)**

[25] EN

[54] **A COMPOSITE PRODUCT AND A PROCESS FOR PRODUCING SAID PRODUCT**

[54] **PRODUIT COMPOSITE ET PROCEDE DE PRODUCTION DE CE PRODUIT**

[72] PYNNONEN, JANNE, SE
[72] MAYES, DUNCAN, SE
[73] STORA ENSO OYJ, FI
[85] 2017-10-17
[86] 2016-05-04 (PCT/IB2016/052532)
[87] (WO2016/181258)
[30] SE (1550600-9) 2015-05-08

[11] **2,983,906**
[13] C

[51] **Int.Cl. A61F 13/53 (2006.01) A61F 13/15 (2006.01) A61F 13/539 (2006.01) A61L 15/22 (2006.01) A61L 15/28 (2006.01) A61L 15/32 (2006.01) A61L 15/58 (2006.01)**

[25] EN

[54] **WOUND DRESSING COMPRISING A FOAM LAYER AND TWO LAYERS OF SUPERABSORBENT MATERIAL**

[54] **PANSEMENT COMPRENANT UNE COUCHE DE MOUSSE ET DEUX COUCHES D'UN MATERIAU SUPERABSORBANT**

[72] HOGGARTH, ANDREW, GB
[72] BUGEDO, ANDER, GB
[72] HARDY, CRAIG, GB
[73] MEDTRADE PRODUCTS LIMITED, GB
[85] 2017-10-25
[86] 2016-04-25 (PCT/GB2016/051154)
[87] (WO2016/174399)
[30] GB (1507132.7) 2015-04-27

[11] **2,986,842**
[13] C

[51] **Int.Cl. A01D 57/02 (2006.01) A01D 41/14 (2006.01) A01D 80/02 (2006.01)**

[25] EN

[54] **TELESCOPIC REEL FOR A HARVESTING MACHINE**

[54] **BOBINE TELESCOPIQUE POUR UNE MOISSONNEUSE**

[72] ARMANDO, LODOVICO, IT
[72] BONGIOVANNI, LIVIO, IT
[73] CAPELLO S.R.L., IT
[85] 2017-11-22
[86] 2016-06-09 (PCT/IB2016/053411)
[87] (WO2016/199070)
[30] IT (102015000022917) 2015-06-11

[11] **2,986,854**
[13] C

[51] **Int.Cl. A61K 31/675 (2006.01) A61K 31/427 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **DOSING REGIMENS FOR THE TREATMENT OF FUNGAL INFECTIONS**

[54] **REGIMES DE DOSAGE DESTINES AU TRAITEMENT D'INFECTIONS FONGIQUES**

[72] OGAWA, OSAMU, JP
[72] YAMAGUCHI, HIDEYO, JP
[73] SEREN PHARMACEUTICALS INC., JP
[86] (2986854)
[87] (2986854)
[22] 2017-11-28

[11] **2,987,150**
[13] C

[51] **Int.Cl. B32B 3/12 (2006.01) B29C 51/00 (2006.01) B29C 65/00 (2006.01) B32B 27/32 (2006.01) B32B 37/15 (2006.01)**

[25] EN

[54] **HONEYCOMB SANDWICH SHEET OR PANEL, BASED ON POLYPROPYLENE, WITH A NUMBER OF CENTRAL THERMOFORMED FILMS**

[54] **FEUILLE OU PANNEAU SANDWICH EN NID D'ABEILLE A BASE DE POLYPROPYLENE COMPRENANT PLUSIEURS FILMS CENTRAUX THERMOFORMES**

[72] PECCETTI, ERALDO, IT
[73] COLINES S.P.A., IT
[85] 2017-11-24
[86] 2016-06-06 (PCT/EP2016/062787)
[87] (WO2016/198355)
[30] IT (UB2015A001279) 2015-06-11

[11] **2,988,174**
[13] C

[51] **Int.Cl. E21B 34/08 (2006.01) E21B 34/06 (2006.01) E21B 34/10 (2006.01) E21B 47/06 (2012.01)**

[25] EN

[54] **PRESSURE TEST AND ACTUATION TOOL AND METHOD**

[54] **OUTIL ET PROCEDE D'ESSAI DE PRESSION ET D'ACTIONNEMENT**

[72] SANCHEZ, JAMES S., US
[72] HARPER, JASON M., US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-12-01
[86] 2016-05-11 (PCT/US2016/031817)
[87] (WO2016/200536)
[30] US (14/737,996) 2015-06-12

[11] **2,988,238**
[13] C

[51] **Int.Cl. A61F 13/20 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A TAMPON**

[54] **PROCEDE DE PRODUCTION D'UN TAMPON**

[72] LENHERR, HARALD, CH
[73] RUGGLI PROJECTS AG, CH
[85] 2017-12-04
[86] 2016-06-22 (PCT/EP2016/064462)
[87] (WO2016/207242)
[30] AT (A50554/2015) 2015-06-25

**Canadian Patents Issued
November 14, 2023**

[11] **2,988,505**
[13] C

[51] **Int.Cl. B66B 19/00 (2006.01) B66B 7/02 (2006.01) B66B 19/04 (2006.01)**
[25] EN
[54] **AUTOMATED MOUNTING DEVICE FOR PERFORMING ASSEMBLY JOBS IN AN ELEVATOR SHAFT OF AN ELEVATOR SYSTEM**
[54] **DISPOSITIF DE MONTAGE AUTOMATISE POUR EFFECTUER DES INSTALLATIONS DANS UNE CAGE D'UN ASCENSEUR**
[72] CAMBRUZZI, ANDREA, CH
[72] BUTLER, ERICH, CH
[72] ZIMMERLI, PHILIPP, CH
[72] BITZI, RAPHAEL, CH
[72] STUDER, CHRISTIAN, CH
[73] INVENTIO AG, CH
[85] 2017-12-06
[86] 2016-06-30 (PCT/EP2016/065246)
[87] (WO2017/016782)
[30] EP (15178287.7) 2015-07-24

[11] **2,991,571**
[13] C

[51] **Int.Cl. G06F 30/30 (2020.01)**
[25] FR
[54] **METHOD OF SIMULATING THE OPERATION OF AN ELECTRONIC CIRCUIT AND PROGRAM**
[54] **PROCEDE DE SIMULATION DU FONCTIONNEMENT D'UN CIRCUIT ELECTRONIQUE ET PROGRAMME**
[72] DRON, WILFRIED, FR
[72] HACHICHA, KHALIL, FR
[72] GARDA, PATRICK, FR
[73] STMICROELECTRONICS INTERNATIONAL N.V., CH
[85] 2018-01-05
[86] 2016-07-07 (PCT/EP2016/066206)
[87] (WO2017/005883)
[30] FR (1556500) 2015-07-09

[11] **2,991,785**
[13] C

[51] **Int.Cl. G06F 7/58 (2006.01)**
[25] EN
[54] **QUANTUM RANDOM NUMBER GENERATORS**
[54] **GENERATEURS QUANTIQUES DE NOMBRES ALEATOIRES**
[72] NORDHOLT, JANE ELIZABETH, US
[72] HUGHES, RICHARD JOHN, US
[72] NEWELL, RAYMOND THORSON, US
[72] PETERSON, CHARLES GLEN, US
[72] ROSIEWICZ, ALEXANDER, US
[73] TRIAD NATIONAL SECURITY, LLC, US
[85] 2018-01-08
[86] 2016-07-22 (PCT/US2016/043561)
[87] (WO2017/019507)
[30] US (14/812,623) 2015-07-29

[11] **2,992,667**
[13] C

[51] **Int.Cl. F03G 7/00 (2006.01) B64D 41/00 (2006.01) B64D 43/00 (2006.01)**
[25] FR
[54] **AUTONOMOUS DEVICE FOR STORING AND RELEASING ENERGY IN ORDER TO POWER A PIECE OF ELECTRICAL EQUIPMENT**
[54] **DISPOSITIF AUTONOME DE STOCKAGE ET DE LIBERATION D'ENERGIE POUR L'ALIMENTATION D'UN EQUIPEMENT ELECTRIQUE**
[72] PROST, FRANCOIS, FR
[72] BENSE, WILLIAM, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2018-01-16
[86] 2016-07-15 (PCT/FR2016/051826)
[87] (WO2017/013342)
[30] FR (1557006) 2015-07-23

[11] **2,992,681**
[13] C

[51] **Int.Cl. H04B 10/00 (2013.01)**
[25] EN
[54] **SYSTEM FOR OPTICAL WIRELESS POWER SUPPLY**
[54] **SYSTEME POUR ALIMENTATION ELECTRIQUE SANS FIL OPTIQUE**
[72] MOR, ORI REFAEL, IL
[72] ALPERT, ORTAL, IL
[72] SLEPOY, ALEXANDER, US
[72] GOLAN, LIOR, IL
[72] SAGI, RAN, IL
[72] SHMUKLER, VADIM, IL
[72] RONEN, EITAN, IL
[72] NAHMIAS, OMER, IL
[72] VAISLEIB, VICTOR, IL
[73] WI-CHARGE LTD., IL
[85] 2018-01-16
[86] 2016-07-14 (PCT/IL2016/050776)
[87] (WO2017/009854)
[30] US (62/193,368) 2015-07-16
[30] US (14/811,260) 2015-07-28

[11] **2,994,438**
[13] C

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SURGICAL ROBOTIC ASSEMBLIES AND INSTRUMENT ADAPTERS THEREOF**
[54] **ENSEMBLES ROBOTIQUES CHIRURGICAUX ET LEURS ADAPTEURS D'INSTRUMENT**
[72] KOPP, BROCK, US
[73] COVIDIEN LP, US
[85] 2018-01-31
[86] 2016-09-21 (PCT/US2016/052778)
[87] (WO2017/053358)
[30] US (62/232,518) 2015-09-25

[11] **2,994,832**
[13] C

[51] **Int.Cl. F21V 17/02 (2006.01) F21V 14/00 (2018.01) F21V 21/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A STELLATE BEAM SPLITTER**
[54] **SYSTEMES ET PROCEDES POUR DIVISEUR DE FAISCEAU EN ETOILE**
[72] MOORE, JERRY, US
[73] PLAYHARD, INC., US
[85] 2018-02-05
[86] 2016-08-05 (PCT/US2016/045843)
[87] (WO2017/024250)
[30] US (62/201,484) 2015-08-05

**Brevets canadiens délivrés
14 novembre 2023**

[11] **2,995,379**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G06Q 20/34 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**

[25] EN

[54] **A METHOD AND SYSTEM FOR TRANSACTION AUTHORIZATION BASED ON A PARALLEL AUTONOMOUS CHANNEL MULTI-USER AND MULTI-FACTOR AUTHENTICATION**

[54] **PROCEDE ET SYSTEME D'AUTORISATION DE TRANSACTION BASEE SUR L'AUTHENTIFICATION DE CANAL AUTONOME PARALLELE MULTI-UTILISATEURS ET MULTI-FACTEURS**

[72] SZOKE, THOMAS, US
[72] UMAROV, MAXIM, US
[73] IPSIDY, INC., US
[85] 2018-02-09
[86] 2016-08-10 (PCT/US2016/046332)
[87] (WO2017/027580)
[30] US (62/203,024) 2015-08-10

[11] **2,996,244**
[13] C

[51] **Int.Cl. G01D 5/353 (2006.01) G01B 11/16 (2006.01) G01L 1/24 (2006.01)**

[25] EN

[54] **LIGHT GUIDE CLAMPING DEVICE, FIBER OPTIC SENSOR AND PRODUCTION METHOD**

[54] **DISPOSITIF DE SERRAGE D'UN GUIDE D'ONDES LUMINEUSES, CAPTEUR A FIBRE OPTIQUE ET PROCEDE DE FABRICATION**

[72] MULLER, MATHIAS, DE
[72] ZELENKA, FABIAN, DE
[73] VC VIII POLYTECH HOLDING APS, DK
[85] 2018-02-21
[86] 2016-09-20 (PCT/EP2016/072309)
[87] (WO2017/050767)
[30] DE (10 2015 115 925.2) 2015-09-21

[11] **2,996,631**
[13] C

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

[25] EN

[54] **DELIVERY SYSTEM FOR PROSTHETIC HEART VALVE**

[54] **SYSTEME DE POSE DE VALVE CARDIAQUE PROTHETIQUE**

[72] RUPP, KEVIN D., US
[72] LE, TUNG T., US
[72] LE, THANH HUY, US
[72] GRAY, BRIAN C., US
[72] FROIMOVICH ROSENBERG, ALEJANDRO J., US
[72] LINDSTROM, JEFF, US
[72] NGUYEN, KIM D., US
[72] TRAN, SONNY, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2018-02-26
[86] 2016-09-01 (PCT/US2016/049957)
[87] (WO2017/040823)
[30] US (62/214,424) 2015-09-04
[30] US (15/252,110) 2016-08-30

[11] **2,997,096**
[13] C

[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 50/10 (2012.01)**

[25] EN

[54] **CONTINUOUS BIDDING PORTAL**

[54] **PORTAIL D'ENCHERES CONTINUES**

[72] SWEEDER, SCOTT, US
[72] LAING, ANDREW, US
[72] WIDMER, ERIC, US
[72] ALLEN, TAMMY, US
[73] ALLIANCE INSPECTION MANAGEMENT, LLC, US
[85] 2018-02-28
[86] 2016-08-29 (PCT/US2016/049301)
[87] (WO2017/040419)
[30] US (62/211,316) 2015-08-28

[11] **2,998,285**
[13] C

[51] **Int.Cl. C02F 9/00 (2023.01) C02F 11/121 (2019.01) B01D 29/62 (2006.01) C02F 1/00 (2006.01) C02F 1/34 (2006.01) C02F 1/44 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DEWATERING SOLID PARTICLES IN A CONTAMINATED LIQUID MIXTURE**

[54] **PROCEDES ET SYSTEMES DE DESHYDRATATION DE PARTICULES SOLIDES DANS UN MELANGE LIQUIDE CONTAMINE**

[72] POWELL, ANTHONY L., CA
[72] BUTTERS, BRIAN E., CA
[73] 1934612 ONTARIO INC., CA
[85] 2018-03-09
[86] 2016-09-09 (PCT/IB2016/001406)
[87] (WO2017/042630)
[30] US (62/216,972) 2015-09-10

[11] **2,999,080**
[13] C

[51] **Int.Cl. C07C 237/22 (2006.01) A61K 31/167 (2006.01) A61K 31/4409 (2006.01) A61K 31/4725 (2006.01) A61P 35/00 (2006.01) C07D 213/68 (2006.01) C07D 401/12 (2006.01)**

[25] EN

[54] **PCNA INHIBITORS**

[54] **INHIBITEURS DE PCNA**

[72] MALKAS, LINDA H., US
[72] HORNE, DAVID, US
[72] HICKEY, ROBERT J., US
[72] GU, LONG, US
[73] CITY OF HOPE, US
[85] 2018-03-16
[86] 2016-09-16 (PCT/US2016/052310)
[87] (WO2017/049206)
[30] US (62/220,014) 2015-09-17
[30] US (62/313,592) 2016-03-25
[30] US (62/340,964) 2016-05-24

**Canadian Patents Issued
November 14, 2023**

[11] **2,999,977**
[13] C

[51] **Int.Cl. A63G 1/02 (2006.01) A63G 4/00 (2006.01) A63G 7/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **AMUSEMENT PARK RIDE TUNNEL**
[54] **TUNNEL POUR PARCOURS DE PARC D'ATTRACTIONS**
[72] BOYLE, PATRICK DEVIN, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2018-03-26
[86] 2016-09-21 (PCT/US2016/052874)
[87] (WO2017/058610)
[30] US (14/873,731) 2015-10-02

[11] **3,001,332**
[13] C

[51] **Int.Cl. H02K 53/00 (2006.01) F03H 99/00 (2009.01) B63H 19/00 (2006.01) B64G 1/28 (2006.01) B64G 1/40 (2006.01)**
[25] EN
[54] **SELF-PROPELLING SYSTEM**
[54] **SYSTEME D'AUTOPROPULSION**
[72] KAUL, ANOUP, US
[73] PATHFINDER PROPULSION LLC, US
[85] 2018-04-06
[86] 2016-10-07 (PCT/US2016/056146)
[87] (WO2017/062881)
[30] US (62/284,762) 2015-10-08
[30] US (62/389,340) 2016-02-22

[11] **3,001,872**
[13] C

[51] **Int.Cl. B61F 5/26 (2006.01) B61F 5/32 (2006.01) B61F 5/50 (2006.01)**
[25] EN
[54] **RAILROAD CAR ROLLER BEARING ADAPTER ASSEMBLY**
[54] **ENSEMBLE ADAPTATEUR DE ROULEMENT A ROULEAU POUR WAGON DE CHEMIN DE FER**
[72] GOLEMBIEWSKI, RONALD D., US
[72] EAST, DAVID M., US
[72] BURKE, MICHAEL K., US
[72] PEACH, WALTER J., US
[73] TRANSPORTATION IP HOLDINGS, LLC, US
[85] 2018-04-12
[86] 2016-10-31 (PCT/US2016/059653)
[87] (WO2017/079076)
[30] US (62/251,381) 2015-11-05
[30] US (15/290,782) 2016-10-11

[11] **3,001,957**
[13] C

[51] **Int.Cl. A61K 31/573 (2006.01)**
[25] EN
[54] **OPHTHALMIC SOLUTION OF DIFLUPREDNATE**
[54] **SOLUTION OPHTALMIQUE DE DIFLUPREDNATE**
[72] KHOPADEV, AJAY JAYSINGH, IN
[72] HALDER, ARINDAM, IN
[72] SHAH, ANKIT SHAILESHKUMAR, IN
[73] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN
[85] 2018-04-13
[86] 2016-10-15 (PCT/IN2016/050352)
[87] (WO2017/064732)
[30] IN (3932/MUM/2015) 2015-10-16
[30] IN (201621025198) 2016-07-22

[11] **3,002,254**
[13] C

[51] **Int.Cl. F03B 17/06 (2006.01)**
[25] EN
[54] **DEVICE FOR CONVERTING THE KINETIC ENERGY OF WAVES, WATER FLOWS OR WIND INTO MECHANICAL ENERGY**
[54] **DISPOSITIF POUR CONVERTIR L'ENERGIE CINETIQUE D'UN FLUX DES VAGUES, DE VENT OU DE COURS D'EAU EN ENERGIE MECANIQUE DE ROTATION**
[72] DORIA IRIARTE, JOSE JAVIER, ES
[73] ARRECIFE ENERGY SYSTEMS S.L., ES
[85] 2018-03-29
[86] 2016-06-23 (PCT/ES2016/070474)
[87] (WO2017/055649)
[30] EP (15382473.5) 2015-09-29

[11] **3,002,273**
[13] C

[51] **Int.Cl. C04B 28/02 (2006.01) C04B 24/14 (2006.01) C04B 28/10 (2006.01)**
[25] EN
[54] **ENGINEERED HYBRID CEMENT-BASED COMPOSITION WITH INCREASED WETTING RESISTANCE**
[54] **COMPOSITION DE CIMENT HYBRIDE MODIFIE PRESENTANT UNE MEILLEURE RESISTANCE AU MOUILLAGE**
[72] LIELEG, OLIVER, DE
[72] MINEV, DIONIS, DE
[72] GROSSE, CHRISTIAN, DE
[73] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[85] 2018-04-17
[86] 2016-10-18 (PCT/EP2016/074956)
[87] (WO2017/076635)
[30] EP (15193477.5) 2015-11-06

[11] **3,003,532**
[13] C

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/241 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **SOLVENTS AND NCG-CO-INJECTION WITH TAPERED PRESSURE**
[54] **CO-INJECTION DE SOLVANTS ET DE GAZ NON COMPRESSIBLES A PRESSION REDUITE**
[72] CHEN, BO, US
[72] WHEELER, THOMAS JAMES, US
[72] GOVIND, PRADEEP ANANTH, US
[73] CONOCOPHILLIPS COMPANY, US
[86] (3003532)
[87] (3003532)
[22] 2018-05-01
[30] US (62/492613) 2017-05-01
[30] US (15/968087) 2018-05-01

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,003,534**
[13] C

- [51] **Int.Cl. A47J 27/16 (2006.01) A47J 27/04 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PROCESSING FOOD ITEMS**
[54] **DISPOSITIF ET METHODE DE TRAITEMENT D'ARTICLES ALIMENTAIRES**
[72] MEDERER, HERBERT, DE
[73] CAROUSTO AG, CH
[85] 2018-04-27
[86] 2016-10-26 (PCT/EP2016/075811)
[87] (WO2017/072180)
[30] DE (10 2015 221 004.9) 2015-10-27

[11] **3,004,430**
[13] C

- [51] **Int.Cl. E04B 1/61 (2006.01) E04B 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, APPARATUS, AND COMPOSITIONS FOR BUILDING MATERIALS AND CONSTRUCTION**
[54] **SYSTEMES, PROCEDES, APPAREIL ET COMPOSITIONS POUR MATERIAUX DE CONSTRUCTION ET CONSTRUCTION**
[72] HODSON, SIMON, US
[72] HODSON, JONATHAN, US
[73] FENIX ADVANCED TECHNOLOGIES, LIMITED, CN
[85] 2018-05-04
[86] 2016-11-02 (PCT/US2016/060070)
[87] (WO2017/079259)
[30] US (62/251,022) 2015-11-04
[30] US (62/271,937) 2015-12-28
[30] US (62/292,080) 2016-02-05
[30] US (15/339,375) 2016-10-31

[11] **3,004,796**
[13] C

- [51] **Int.Cl. C07D 495/04 (2006.01) A01N 43/90 (2006.01) A61K 31/519 (2006.01) A61P 3/04 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **PYRAZOLE ACC INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE L'ACC A BASE DE PYRAZOLE ET UTILISATIONS ASSOCIEES**
[72] GHOSH, SHOMIR, US
[72] GREENWOOD, JEREMY ROBERT, US
[72] HARRIMAN, GERALDINE C., US
[72] LEIT DE MORADEI, SILVANA MARCEL, US
[73] GILEAD APOLLO, LLC, US
[85] 2018-05-08
[86] 2016-11-22 (PCT/US2016/063386)
[87] (WO2017/091600)
[30] US (62/259,973) 2015-11-25

[11] **3,005,720**
[13] C

- [51] **Int.Cl. B23B 27/14 (2006.01) C01B 32/25 (2017.01) B01J 23/75 (2006.01) B22F 3/10 (2006.01) B22F 7/00 (2006.01) B22F 7/06 (2006.01) B23B 27/18 (2006.01) B23B 27/20 (2006.01) C22C 1/05 (2006.01) C22C 29/08 (2006.01)**
[25] EN
[54] **POLYCRYSTALLINE DIAMOND SINTERED MATERIAL TOOL EXCELLENT IN INTERFACIAL BONDING STRENGTH AND METHOD OF PRODUCING SAME**
[54] **OUTIL COMPACT FRITTE EN DIAMANT POLYCRISTALLIN AYANT UNE FORCE DE JONCTION D'INTERFACE EXCEPTIONNELLE ET PROCEDE DE FABRICATION DUDIT OUTIL**
[72] MATSUO, TOSHIHIKO, JP
[72] AKHMADI EKO, WARDOYO, JP
[72] AKAISHI, MINORU, JP
[73] MITSUBISHI MATERIALS CORPORATION, JP
[85] 2018-05-17
[86] 2016-11-21 (PCT/JP2016/084440)
[87] (WO2017/086485)
[30] JP (2015-226537) 2015-11-19

[11] **3,006,303**
[13] C

- [51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61P 27/02 (2006.01)**
[25] EN
[54] **SHAPE CHANGING DRUG DELIVERY DEVICES AND METHODS**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENTS A CHANGEMENT DE FORME ET PROCEDES**
[72] JARRETT, PETER, US
[72] MCGRATH, MICHAEL J., US
[72] JARRETT, TIMOTHY S., US
[72] EL-HAYEK, RAMI, US
[72] VANSLETTE, ANDREW C., US
[72] ROSALES, COURTNEY A., US
[72] BLIZZARD, CHARLES D., US
[72] SAWHNEY, AMARPREET S., US
[73] INCEPT, LLC, US
[85] 2018-05-24
[86] 2016-11-23 (PCT/US2016/063633)
[87] (WO2017/091749)
[30] US (62/260,068) 2015-11-25
[30] US (62/319,033) 2016-04-06

[11] **3,006,334**
[13] C

- [51] **Int.Cl. B62D 25/02 (2006.01) B21D 22/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN AUTOMOTIVE STRUCTURAL PART COMPRISING A LOWERSIDE SILL AND A LOWER FRONT PILLAR**
[54] **PROCEDE POUR PRODUIRE UNE PARTIE STRUCTURELLE D'AUTOMOBILE COMPRENANT UN BAS DE CAISSE COTE INFERIEUR ET UN MONTANT AVANT INFERIEUR**
[72] VIAUX, IVAN, FR
[73] ARCELORMITTAL, LU
[85] 2018-05-24
[86] 2016-12-09 (PCT/EP2016/002077)
[87] (WO2017/097425)
[30] IB (PCT/IB2015/059484) 2015-12-09

**Canadian Patents Issued
November 14, 2023**

[11] **3,006,456**
[13] C

[51] **Int.Cl. A47K 5/14 (2006.01) A47K 5/12 (2006.01) B05B 7/04 (2006.01) F04B 13/02 (2006.01) F04B 23/02 (2006.01) F04B 43/02 (2006.01) F04B 49/06 (2006.01)**

[25] EN

[54] **SEQUENTIALLY ACTIVATED MULTI-DIAPHRAGM FOAM PUMPS, REFILL UNITS AND DISPENSER SYSTEMS**

[54] **POMPES A MOUSSE A PLUSIEURS MEMBRANES ACTIVEES**

SEQUENTIELLEMENT, UNITES DE REMPLISSAGE ET SYSTEMES DE DISTRIBUTEUR

[72] CIAVARELLA, NICK E., US

[72] HARRIS, DONALD R., US

[72] JENKINS, DENNIS K., US

[72] MCNULTY, JOHN J., US

[73] GOJO INDUSTRIES, INC., US

[85] 2018-05-25

[86] 2016-12-05 (PCT/US2016/064907)

[87] (WO2017/096346)

[30] US (62/263,349) 2015-12-04

[30] US (62/293,931) 2016-02-11

[30] US (62/319,061) 2016-04-06

[30] US (15/355,112) 2016-11-18

[30] US (15/356,795) 2016-11-21

[11] **3,006,530**
[13] C

[51] **Int.Cl. A61L 2/10 (2006.01) B01J 19/12 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR OPERATING A LIGHT SYSTEM**

[54] **SYSTEMES ET METHODES D'OPERATION D'UN SYSTEME D'ECLAIRAGE**

[72] KIMSEY-LIN, MELANIE L., US

[73] THE BOEING COMPANY, US

[86] (3006530)

[87] (3006530)

[22] 2018-05-29

[30] US (15/632968) 2017-06-26

[11] **3,006,605**
[13] C

[51] **Int.Cl. C08L 23/12 (2006.01) C08L 3/02 (2006.01) C08L 23/06 (2006.01)**

[25] EN

[54] **PRODUCT AND METHOD FOR A PLASTIC BAG OR PLASTIC COMPOSITION COMPRISING INORGANIC MINERALS**

[54] **PRODUIT ET PROCEDE POUR SAC PLASTIQUE OU COMPOSITION DE PLASTIQUE CONTENANT DES MINERAUX INORGANQUES**

[72] KOHN, STEVE, US

[73] KOHN, STEVE, US

[85] 2018-05-28

[86] 2016-12-15 (PCT/US2016/067035)

[87] (WO2017/106565)

[30] US (62/386,895) 2015-12-15

[30] US (62/387,102) 2015-12-21

[30] US (15/093,187) 2016-04-07

[30] US (62/322,844) 2016-04-15

[11] **3,008,048**
[13] C

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/165 (2006.01) A61K 31/4192 (2006.01) A61K 31/53 (2006.01) A61P 21/02 (2006.01)**

[25] EN

[54] **RUFINAMIDE FOR USE IN THE TREATMENT OF MYOTONIA**

[54] **RUFINAMIDE POUR SON UTILISATION DANS LE TRAITEMENT DE LA MYOTONIE**

[72] PEDERSEN, THOMAS HOLM, DK

[72] SKOV, MARTIN BRANDHOJ, DK

[73] AARHUS UNIVERSITET, DK

[85] 2018-06-11

[86] 2016-12-09 (PCT/DK2016/050424)

[87] (WO2017/097311)

[30] EP (15199512.3) 2015-12-11

[11] **3,009,145**
[13] C

[51] **Int.Cl. C07C 1/20 (2006.01) B01J 21/06 (2006.01) B01J 29/42 (2006.01) B01J 29/85 (2006.01) B01J 21/02 (2006.01) B01J 21/10 (2006.01)**

[25] EN

[54] **CONVERSION OF ALCOHOLS TO HYDROCARBONS USING A DUAL CATALYST SYSTEM COMPRISING BASIC OXIDE ON MIXED OXIDE OR MESOPOROUS CARRIER AND ETCHED METAL LOADED ZEOLITE CATALYST**

[54] **CONVERSION D'ALCOOLS EN HYDROCARBURES A L'AIDE D'UN SYSTEME CATALYTIQUE DOUBLE COMPRENANT UN OXYDE BASIQUE SUR UN OXYDE MIXTE OU UN SUPPORT MESOPOREUX ET CATALYSEUR ZEOLITHIQUE GR AVE CHARGE DE METAL**

[72] MIKKOLA, JYRI-PEKKA, SE

[72] SAMIKANNU, AJAIKUMAR, SE

[72] VANKLINT, KENT, SE

[72] SILJEBO, WILLIAM, SE

[73] ECO-OIL MILJOBANSLEN I SVERIGE AB, SE

[85] 2018-06-19

[86] 2016-12-20 (PCT/SE2016/051296)

[87] (WO2017/111691)

[30] SE (1551699-0) 2015-12-22

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,009,361**
[13] C

[51] **Int.Cl. A61F 13/15 (2006.01) A47K 10/16 (2006.01) B31F 1/07 (2006.01) B32B 5/26 (2006.01) B32B 29/00 (2006.01) B32B 37/02 (2006.01) B65H 19/29 (2006.01) C08B 15/00 (2006.01) C09D 101/02 (2006.01) C09J 129/04 (2006.01) D21H 27/40 (2006.01)**

[25] EN
[54] **ABSORBENT SHEET TAIL-SEALED WITH NANOFIBRILLATED CELLULOSE CONTAINING TAIL-SEAL ADHESIVES**

[54] **FEUILLE ABSORBANTE A EXTREMITE SCELLEE AU MOYEN DE CELLULOSE NANOFIBRILLEE CONTENANT DES ADHESIFS POUR SCELLEMENT D'EXTREMITE**

[72] YU, ZHIYING, US
[72] VAJJAPURKAR, SIDDHARTH S., US
[72] SUMNIGHT, DANIEL W., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2018-06-20
[86] 2017-01-17 (PCT/US2017/013693)
[87] (WO2017/127336)
[30] US (62/280,161) 2016-01-19
[30] US (62/366,154) 2016-07-25
[30] US (62/366,137) 2016-07-25
[30] US (15/405,795) 2017-01-13

[11] **3,009,801**
[13] C

[51] **Int.Cl. E21B 37/06 (2006.01) C08K 5/10 (2006.01) C09K 8/524 (2006.01) C10L 1/14 (2006.01) C10L 1/16 (2006.01)**

[25] EN
[54] **TEMPERATURE-STABLE PARAFFIN INHIBITOR COMPOSITIONS**

[54] **COMPOSITIONS D'INHIBITEURS DE PARAFFINE**

[72] SOLOMON, KIM, US
[72] FOUCHARD, DAVID, US
[72] PAINTER, THOMAS, US
[72] KUNDU, KOUSIK, US
[72] STOKES, JENNIFER, US
[72] SILVERNAIL, CARTER, US
[73] CHAMPIONX USA INC., US
[85] 2018-06-26
[86] 2017-01-05 (PCT/US2017/012260)
[87] (WO2017/120286)
[30] US (62/275,339) 2016-01-06

[11] **3,011,849**
[13] C

[51] **Int.Cl. C05F 11/08 (2006.01) A01P 21/00 (2006.01) C05F 3/00 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) C12P 1/00 (2006.01)**

[25] EN
[54] **BIO-STIMULANT AND METHOD OF PRODUCING SAME**

[54] **BIOSTIMULANT ET PROCEDE DE FABRICATION ASSOCIE**

[72] LETT, RALPH J., CA
[73] FARMENT BIO SOLUTIONS LTD., CA
[86] (3011849)
[87] (3011849)
[22] 2018-07-19
[30] US (62/535109) 2017-07-20
[30] CA (2973961) 2017-07-20
[30] US (62/635984) 2018-02-27
[30] CA (2996590) 2018-02-27

[11] **3,012,230**
[13] C

[51] **Int.Cl. B22F 3/23 (2006.01) B22F 3/24 (2006.01)**

[25] EN
[54] **PROCESSES FOR PRODUCING TANTALUM ALLOYS AND NIOBIUM ALLOYS**

[54] **PROCEDES DE PRODUCTION D'ALLIAGES DE TANTALE ET D'ALLIAGES DE NIOBIUM**

[72] FAJARDO, ARNEL M., US
[72] FOLTZ, JOHN W., US
[73] ATI PROPERTIES LLC, US
[85] 2018-07-20
[86] 2017-02-15 (PCT/US2017/017852)
[87] (WO2017/142884)
[30] US (15/043,751) 2016-02-15

[11] **3,012,314**
[13] C

[51] **Int.Cl. C22B 9/193 (2006.01) B22D 23/10 (2006.01)**

[25] EN
[54] **A MOULD FOR THE MANUFACTURING OF MOULD STEELS IN AN ELECTRO SLAG REMELTING PROCESS**

[54] **MOULE POUR LA FABRICATION D'ACIERS DE MOULE DANS UN PROCEDE DE REFUSION DE LAITIER ELECTROCONDUCTEUR**

[72] SJOQVIST PERSSON, EVA, SE
[73] UDDEHOLMS AB, SE
[85] 2018-07-23
[86] 2017-01-27 (PCT/SE2017/050073)
[87] (WO2017/142455)
[30] SE (1650203-1) 2016-02-16

[11] **3,012,766**
[13] C

[51] **Int.Cl. D21F 11/00 (2006.01) D21F 3/02 (2006.01)**

[25] EN
[54] **METHODS OF MAKING PAPER PRODUCTS USING A MOLDING ROLL**

[54] **PROCEDES DE FABRICATION DE PRODUITS DE PAPIER A L'AIDE DE ROULEAU DE MOULAGE**

[72] BECK, DAVID A., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2018-07-26
[86] 2017-01-31 (PCT/US2017/015710)
[87] (WO2017/139123)
[30] US (62/292,377) 2016-02-08

**Canadian Patents Issued
November 14, 2023**

[11] **3,012,955**
[13] C

[51] **Int.Cl. A61D 19/02 (2006.01)**
[25] FR
[54] **DEVICE FOR REACHING PAST THE NECK OF THE UTERUS OF A LIVESTOCK ANIMAL FOR THE PURPOSE OF TRANSFERRING MATERIAL OR SUBSTANCE WITH A REPRODUCTIVE, THERAPEUTIC OR DIAGNOSTIC PURPOSE OR FOR COLLECTING SAMPLES FROM THE UTERUS**

[54] **DISPOSITIF POUR LE FRANCHISSEMENT DU COL DE L'UTERUS D'UN ANIMAL DE RENTE, POUR TRANSFERT DE MATERIEL OU SUBSTANCE A BUT REPRODUCTIF, THERAPEUTIQUE OU DIAGNOSTIQUE OU PRELEVEMENT DEPUIS L'UTERUS**

[72] DECHERF, AGATHE, FR
[72] DREVILLON, PIERRICK, FR
[73] ELEXINN, FR
[85] 2018-07-27
[86] 2017-01-30 (PCT/FR2017/050211)
[87] (WO2017/129929)
[30] FR (1650764) 2016-01-29

[11] **3,013,659**
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) A61K 35/12 (2015.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREPARING PROTEIN ENHANCED SERUMS**

[54] **SYSTEMES ET PROCEDES DE PREPARATION DE SERUMS ENRICHIS EN PROTEINES**

[72] BARE, CHRISTOPHER, US
[72] NABORS, ABIGAIL, US
[72] TUCKER, MELISSA, US
[72] HARRISON, ROBERT, US
[73] ARTHREX, INC., US
[85] 2018-08-02
[86] 2017-03-10 (PCT/US2017/021757)
[87] (WO2017/156379)
[30] US (62/306,297) 2016-03-10

[11] **3,014,755**
[13] C

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/08 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **STABLE PEMETREXED FORMULATIONS COMPRISING PROPYLENE GLYCOL**

[54] **FORMULATIONS DE PEMETREXED STABLES COMPRENANT DU PROPYLENEGLYCOL**

[72] CHEN, FENG-JING, US
[72] KRILL, STEVEN L., US
[73] EAGLE PHARMACEUTICALS, INC., US
[85] 2018-08-15
[86] 2016-02-19 (PCT/US2016/018703)
[87] (WO2017/142556)

[11] **3,015,118**
[13] C

[51] **Int.Cl. B60T 17/22 (2006.01) F16D 66/02 (2006.01)**
[25] EN
[54] **ULTRASONIC BRAKE WEAR SENSORS**

[54] **CAPTEURS ULTRASONORES D'USURE DE FREIN**

[72] WILKES, JOHN, GB
[72] BATEMAN, DAVID, GB
[73] MEGGITT AEROSPACE LIMITED, GB
[85] 2018-08-17
[86] 2017-02-23 (PCT/GB2017/050470)
[87] (WO2017/149276)
[30] GB (1603444.9) 2016-02-29

[11] **3,015,252**
[13] C

[51] **Int.Cl. B62D 25/20 (2006.01) B60D 1/52 (2006.01) B62D 65/02 (2006.01)**
[25] EN
[54] **COMPOSITE FLOOR STRUCTURE WITH EMBEDDED HARDPOINT CONNECTOR AND METHOD OF MAKING THE SAME**

[54] **STRUCTURES DE PLANCHER EN COMPOSITE DOTEES DE CONNECTEUR DE POINT SOLIDE INTEGRE ET METHODE DE FABRICATION ASSOCIEE**

[72] MCCLOUD, TRAVIS SMITH, US
[72] REICHARD, RONNAL P., US
[72] WYLEZINSKI, ANDRZEJ, US
[73] WABASH NATIONAL, L.P., US
[86] (3015252)
[87] (3015252)
[22] 2018-08-24
[30] US (62/550311) 2017-08-25

[11] **3,015,376**
[13] C

[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR BIOLOGICAL ASSAY SAMPLE PREPARATION AND DELIVERY**

[54] **DISPOSITIFS ET PROCEDES DE PREPARATION ET D'ACHEMINEMENT D'ECHANTILLON D'ESSAI BIOLOGIQUE**

[72] MYERS, FRANK B., III, US
[72] HO, WEI HSUAN, US
[72] MITRA, DEBKISHORE, US
[72] WALDEISEN, JOHN ROBERT, US
[72] DIMOV, IVAN KRASSTEV, US
[72] GRISWOLD, RYAN C., US
[72] RICHARDSON, BRUCE, US
[73] LUCIRA HEALTH, INC., US
[85] 2018-08-21
[86] 2017-03-14 (PCT/US2017/022304)
[87] (WO2017/160838)
[30] US (62/307,876) 2016-03-14

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,016,405**
[13] C

[51] **Int.Cl. A61M 16/06 (2006.01) A61B 18/08 (2006.01) A62B 18/02 (2006.01)**

[25] EN

[54] **CRANIUM CUDDLER**

[54] **CAPITONNAGE POUR CRANE**

[72] LUN, MICHAEL CAM, US

[72] OH, DANIEL, US

[72] CHAUHAN, KIRAN, US

[72] HALL, ASHLEY, US

[72] YFANTIS, ANDREW, US

[72] VISVESHWARA, NADARASA, US

[73] VALLEY CHILDREN'S HEALTHCARE, US

[85] 2018-08-31

[86] 2016-03-03 (PCT/US2016/020735)

[87] (WO2016/141210)

[30] US (62/127,628) 2015-03-03

[11] **3,017,468**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 9/32 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **ELECTRONIC ACCOUNT SETTLEMENT VIA DISTINCT COMPUTER SERVERS**

[54] **REGLEMENT ELECTRONIQUE DE COMPTE A L'AIDE DE SERVEURS INFORMATIQUES DISTINCTS**

[72] DUNJIC, MILOS, CA

[72] TAX, DAVID SAMUEL, CA

[72] JAGGA, ARUN VICTOR, CA

[73] THE TORONTO-DOMINION BANK, CA

[86] (3017468)

[87] (3017468)

[22] 2018-09-14

[11] **3,018,547**
[13] C

[51] **Int.Cl. E01C 13/02 (2006.01) E04C 5/16 (2006.01) E04F 19/02 (2006.01) E04F 19/06 (2006.01)**

[25] EN

[54] **FASTENING SYSTEM**

[54] **SYSTEME DE FIXATION**

[72] BENNETT, RON, US

[72] WHITE, STEVE JR., US

[73] CH3 SOLUTIONS, LLC, US

[85] 2018-09-20

[86] 2017-03-23 (PCT/US2017/023798)

[87] (WO2017/165638)

[30] US (62/312,604) 2016-03-24

[11] **3,020,969**
[13] C

[51] **Int.Cl. A61F 2/66 (2006.01) A61F 2/68 (2006.01)**

[25] EN

[54] **PASSIVE ANKLE PROSTHESIS WITH ENERGY RETURN**

[54] **PROTHESE DE CHEVILLE PASSIVE A RETOUR D'ENERGIE**

[72] SCHIMMELS, JOSEPH M., US

[72] FOLZ, ALEXANDER, US

[72] HUANG, SHUGUANG, US

[73] MARQUETTE UNIVERSITY, US

[85] 2018-10-12

[86] 2017-04-14 (PCT/US2017/027577)

[87] (WO2017/180970)

[30] US (62/322,524) 2016-04-14

[11] **3,021,190**
[13] C

[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01)**

[25] EN

[54] **TIRE PRESSURE CONTROL VALVE ASSEMBLY**

[54] **ENSEMBLE DE SOUPAPES REGULATRICES DE PRESSION DE PNEU**

[72] HINZ, LESLEY J., CA

[72] SPREEN, BRIAN D., CA

[73] TIRE PRESSURE CONTROL INTERNATIONAL LTD., CA

[86] (3021190)

[87] (3021190)

[22] 2018-10-17

[11] **3,021,425**
[13] C

[51] **Int.Cl. A61K 49/10 (2006.01) A61K 47/54 (2017.01) A61K 49/08 (2006.01)**

[25] EN

[54] **MANGANESE COMPLEXES WITH SUBSTITUTED BISPHOSPHONATES USEFUL AS IMAGING AND THERAPEUTIC AGENTS**

[54] **COMPLEXES DE MANGANESE AVEC DES BIPHOSPHONATES SUBSTITUES UTILES EN TANT QU'AGENTS D'IMAGERIE ET THERAPEUTIQUES**

[72] LASCOLA, CHRISTOPHER DAVID, US

[73] DUKE UNIVERSITY, US

[85] 2018-10-11

[86] 2016-10-26 (PCT/US2016/058845)

[87] (WO2017/184200)

[30] US (PCT/US2016/028946) 2016-04-22

[11] **3,021,704**
[13] C

[51] **Int.Cl. C23C 14/00 (2006.01) C23C 14/02 (2006.01) C23C 14/06 (2006.01) C23C 14/34 (2006.01) C23C 14/35 (2006.01) H01J 37/34 (2006.01)**

[25] EN

[54] **TICN HAVING REDUCED GROWTH DEFECTS BY MEANS OF HIPIMS**

[54] **TICN A DEFATS DE CROISSANCE REDUITS OBTENU PAR HIPIMS**

[72] KURAPOV, DENIS, CH

[72] KRASSNITZER, SIEGFRIED, AT

[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH

[85] 2018-10-22

[86] 2017-04-21 (PCT/EP2017/000500)

[87] (WO2017/182124)

[30] US (62/326,098) 2016-04-22

[11] **3,022,050**
[13] C

[51] **Int.Cl. G06F 16/245 (2019.01) G06F 16/242 (2019.01)**

[25] EN

[54] **MANAGING DATA QUERIES**

[54] **GESTION DES REQUETES DE DONNEES**

[72] SCHECHTER, IAN, US

[72] ALLIN, GLENN JOHN, US

[73] AB INITIO TECHNOLOGY LLC, US

[86] (3022050)

[87] (3022050)

[22] 2012-04-30

[62] 2,828,914

[30] US (13/098,823) 2011-05-02

**Canadian Patents Issued
November 14, 2023**

[11] **3,024,937**
[13] C

[51] **Int.Cl. E21B 47/06 (2012.01) G01K 7/16 (2006.01) G01K 7/32 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR SENSING TEMPERATURE ALONG A WELLBORE USING TEMPERATURE SENSOR MODULES COMPRISING A CRYSTAL OSCILLATOR**
[54] **APPAREILS ET PROCÉDES DE DÉTECTION DE TEMPERATURE LE LONG D'UN PUIT DE FORAGE A L'AIDE DE MODULES DE CAPTEUR DE TEMPERATURE COMPRENANT UN OSCILLATEUR A QUARTZ**
[72] JARVIS, LESLIE DAVID, GB
[72] ROSS, SHAUN COMPTON, GB
[73] METROL TECHNOLOGY LIMITED, GB
[85] 2018-11-20
[86] 2017-05-26 (PCT/GB2017/051525)
[87] (WO2017/203295)
[30] GB (1609294.2) 2016-05-26

[11] **3,026,243**
[13] C

[51] **Int.Cl. A61L 2/08 (2006.01)**
[25] EN
[54] **ULTRA LOW THERMO FUSION PVC PLASTISOL COATING AND TEXTILE PRINTING INK**
[54] **REVETEMENT PLASTISOL EN PVC A FUSION THERMIQUE ULTRA-FAIBLE ET ENCRE D'IMPRESSIION TEXTILE**
[72] KANG, HACK S., US
[73] KANG, HACK S., US
[85] 2018-11-30
[86] 2017-06-01 (PCT/US2017/035457)
[87] (WO2017/210431)
[30] US (62/344,136) 2016-06-01

[11] **3,028,920**
[13] C

[51] **Int.Cl. F03B 13/26 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR EXTRACTING POWER FROM TIDES**
[54] **SYSTEME ET PROCÉDE PERMETTANT D'EXTRACTRAIRE DE L'ENERGIE DES MAREES**
[72] JORDAN, STEPHEN, GB
[73] RED TO BLUE LIMITED, GB
[85] 2018-12-20
[86] 2017-06-23 (PCT/GB2017/051842)
[87] (WO2017/221023)
[30] GB (1611001.7) 2016-06-23

[11] **3,028,983**
[13] C

[51] **Int.Cl. B01D 46/52 (2006.01) B01D 27/06 (2006.01) B01D 45/08 (2006.01) B01D 46/10 (2006.01)**
[25] EN
[54] **COMPOUND AIR FILTER**
[54] **COMPOSANT DE FILTRE A AIR**
[72] WALL, JERE JAMES, US
[73] K&N ENGINEERING, INC., US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039121)
[87] (WO2017/223518)
[30] US (62/354,549) 2016-06-24
[30] US (15/632,122) 2017-06-23

[11] **3,029,116**
[13] C

[51] **Int.Cl. E21B 19/14 (2006.01) F03G 7/08 (2006.01) F16L 3/00 (2006.01) G08C 17/00 (2006.01) G08C 17/02 (2006.01) G08C 23/04 (2006.01)**
[25] EN
[54] **SENSOR FOR A FINGERBOARD LATCH ASSEMBLY**
[54] **CAPTEUR POUR ENSEMBLE DE VERROUILLAGE DE RATELIER A TIGES**
[72] FINLAY, ALAN PATRICK JOHN, GB
[72] NEWTON, JOHN MARK, GB
[72] LARKINS, ANDREW HENRY JOHN, GB
[72] DAVIS, MATHEW WILLIAM, GB
[72] NICHOLLS, GRANT, GB
[73] SALUNDA LIMITED, GB
[85] 2018-12-21
[86] 2017-07-04 (PCT/GB2017/051972)
[87] (WO2018/007804)
[30] GB (1611744.2) 2016-07-05
[30] GB (1615037.7) 2016-09-05
[30] GB (1618935.9) 2016-11-09
[30] GB (1618910.2) 2016-11-09
[30] GB (1700925.9) 2017-01-19
[30] GB (1701273.3) 2017-01-25
[30] GB (1703269.9) 2017-02-28
[30] GB (1705355.4) 2017-04-03

[11] **3,032,067**
[13] C

[51] **Int.Cl. F16B 39/22 (2006.01) F16B 37/08 (2006.01) F16B 39/34 (2006.01) F16B 43/00 (2006.01)**
[25] EN
[54] **IMPROVED LOCKING NUT OR BOLT AND WASHER**
[54] **ECROU DE BLOCAGE, OU BOULON ET RONDELLE AMELIORES**
[72] ARCHER, KENNETH MAXWELL, AU
[73] KENCO AU PTY LTD., AU
[85] 2019-01-25
[86] 2016-07-28 (PCT/AU2016/050673)
[87] (WO2017/015717)
[30] AU (2015903007) 2015-07-28
[30] AU (2015904408) 2015-10-27

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14 novembre 2023**

[11] **3,032,620**
[13] C

[51] **Int.Cl. E21B 17/04 (2006.01) E21B 17/042 (2006.01)**

[25] EN

[54] **FLEXIBLE COUPLING FOR DOWNHOLE DRIVE STRING**

[54] **RACCORD FLEXIBLE DE COLONNE DE TUBAGE DE FOND DE TROU**

[72] ROSTEN, DOUGLAS, CA

[72] KITCHEN, DEREK, CA

[72] GOLINOWSKI, JEFFREY, CA

[72] ROSTEN, TREVOR, CA

[72] BROWN, CODY, CA

[73] TIER 1 ENERGY SOLUTIONS, INC., CA

[86] (3032620)

[87] (3032620)

[22] 2019-02-04

[30] US (62/631,123) 2018-02-15

[11] **3,035,238**
[13] C

[51] **Int.Cl. A63B 24/00 (2006.01)**

[25] EN

[54] **EXERCISE SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE D'EXERCICE**

[72] FOLEY, JOHN, US

[72] CORTESE, THOMAS, US

[72] FENG, YU, US

[72] KUSHI, HISAO, US

[72] COIRO, MAUREEN, US

[72] MOSCHELLA, ANTHONY, US

[72] POURE, JASON, US

[72] INTONATO, BUD, US

[73] PELOTON INTERACTIVE, INC., US

[85] 2019-02-26

[86] 2017-08-25 (PCT/US2017/048650)

[87] (WO2018/044721)

[30] US (62/380,412) 2016-08-27

[11] **3,037,694**
[13] C

[51] **Int.Cl. G01N 33/569 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C07K 16/46 (2006.01)**

[25] FR

[54] **CELL MARKERS**

[54] **MARQUEURS CELLULAIRES**

[72] BENKIRANE, MONSEF, FR

[72] PETITJEAN, GAEL, FR

[72] DESCOURS, BENJAMIN, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[73] UNIVERSITE DE MONTPELLIER, FR

[85] 2019-03-20

[86] 2017-09-30 (PCT/IB2017/056054)

[87] (WO2018/060978)

[30] FR (16/59440) 2016-09-30

[30] FR (17/52126) 2017-03-15

[11] **3,037,697**
[13] C

[51] **Int.Cl. G01N 33/569 (2006.01) C12N 5/0781 (2010.01) C12N 5/0783 (2010.01) C07K 16/46 (2006.01)**

[25] FR

[54] **MEMBRANE MARKERS**

[54] **MARQUEURS MEMBRANAIRES**

[72] BENKIRANE, MONSEF, FR

[72] PETITJEAN, GAEL, FR

[72] DESCOURS, BENJAMIN, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[73] UNIVERSITE DE MONTPELLIER, FR

[85] 2019-03-20

[86] 2017-09-30 (PCT/IB2017/056055)

[87] (WO2018/060979)

[30] FR (16/59440) 2016-09-30

[30] FR (17/52126) 2017-03-15

[11] **3,038,892**
[13] C

[51] **Int.Cl. C07D 231/12 (2006.01) A61K 31/34 (2006.01) A61K 31/381 (2006.01) A61K 31/404 (2006.01) A61K 31/4164 (2006.01) A61K 31/435 (2006.01) A61K 31/505 (2006.01) A61P 31/04 (2006.01) C07C 15/04 (2006.01) C07D 209/04 (2006.01) C07D 213/16 (2006.01) C07D 233/54 (2006.01) C07D 239/38 (2006.01) C07D 307/64 (2006.01) C07D 333/34 (2006.01)**

[25] EN

[54] **2-AMINO-N-(ARYLSULFINYL)-ACETAMIDE COMPOUNDS AS INHIBITORS OF BACTERIAL AMINOACYL-TRNA SYNTHETASE**

[54] **COMPOSES DE 2-AMINO-N-(ARYLSULFINYL)-ACETAMIDE EN TANT QU'INHIBITEURS DE L'AMINOACYL-ARNT SYNTHETASE BACTERIENNE**

[72] FINN, PAUL WILLIAM, GB

[72] CHARLTON, MICHAEL, GB

[72] EDMUND, GRACE, GB

[72] JIRGENSONS, AIGARS, LV

[72] LOZA, EINARS, LV

[73] OXFORD DRUG DESIGN LIMITED, GB

[85] 2019-03-29

[86] 2017-10-06 (PCT/EP2017/075567)

[87] (WO2018/065611)

[30] GB (1617064.9) 2016-10-07

**Canadian Patents Issued
November 14, 2023**

[11] **3,039,767**
[13] C

[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/198 (2006.01) A61K 31/44 (2006.01) A61K 45/06 (2006.01) A61M 16/01 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT, AMELIORATION, AND PREVENTION OF ANESTHESIA-INDUCED HYPOTHERMIA**

[54] **COMPOSITIONS ET METHODES DE TRAITEMENT, D'AMELIORATION ET DE PREVENTION DE L'HYPOTHERMIE INDUITE PAR UNE ANESTHESIE**

[72] PATWARDHAN, AMOL, US
[72] PORRECA, FRANK, US
[72] ROMANOVSKY, ANDREJ, US
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
[73] DIGNITY HEALTH, US
[85] 2019-04-08
[86] 2016-12-20 (PCT/US2016/067825)
[87] (WO2017/112693)
[30] US (62/271,048) 2015-12-22

[11] **3,041,204**
[13] C

[51] **Int.Cl. C08L 95/00 (2006.01) B32B 11/02 (2006.01) C08J 3/20 (2006.01) C08L 47/00 (2006.01) C09D 147/00 (2006.01) C09D 195/00 (2006.01) E04D 1/12 (2006.01) E04D 1/28 (2006.01)**

[25] EN

[54] **PREPARATION OF INURED ASPHALT BLOWN COATING**

[54] **PREPARATION D'UN REVETEMENT D'ASPHALTE SOUFFLE RENFORCE**

[72] TIBAH, DENIS MUKI, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (3041204)
[87] (3041204)
[22] 2019-04-25
[30] US (62/665649) 2018-05-02

[11] **3,041,803**
[13] C

[51] **Int.Cl. C09D 13/00 (2006.01)**

[25] EN

[54] **RENEWABLE, BIODEGRADABLE MARKING WAX COMPOSITION**

[54] **COMPOSITION DE CIRE DE MARQUAGE RENOUVELABLE, BIODEGRADABLE**

[72] FALKEN, ROB, US
[72] JOHNSON, ADAM, US
[72] ARNOLD, RACHELLE, US
[72] VAN TRUMP, PHILLIP, US
[73] MEREDIAN, INC., US
[85] 2019-04-25
[86] 2017-10-26 (PCT/US2017/058396)
[87] (WO2018/081336)
[30] US (62/413,150) 2016-10-26

[11] **3,042,178**
[13] C

[51] **Int.Cl. G06Q 20/32 (2012.01)**

[25] EN

[54] **PRE-SELECTION OF DRIVERS IN A PASSENGER TRANSPORT SYSTEM**

[54] **PRESELECTION DE CONDUCTEURS DANS UN SYSTEME DE TRANSPORT DE PASSAGERS**

[72] ZHAO, LEI, US
[72] ZHAO, FENG, US
[72] YATES, VINCENT, US
[72] POTTIER, MARC, US
[73] UBER TECHNOLOGIES, INC., US
[85] 2019-04-29
[86] 2017-09-28 (PCT/IB2017/055975)
[87] (WO2018/083549)
[30] US (62/415,845) 2016-11-01
[30] US (15/365,715) 2016-11-30

[11] **3,042,719**
[13] C

[51] **Int.Cl. A47C 7/54 (2006.01)**

[25] EN

[54] **PORTABLE FRAME**

[54] **CADRE PORTATIF**

[72] KAUFMAN, HENRY R., US
[72] UNGER, MERYL L., US
[73] THOUGHT FORWARD DESIGN, INC., US
[85] 2019-05-02
[86] 2017-11-15 (PCT/US2017/061807)
[87] (WO2018/093905)
[30] US (62/422,642) 2016-11-16

[11] **3,046,099**
[13] C

[51] **Int.Cl. F17C 13/00 (2006.01) F17C 3/08 (2006.01)**

[25] EN

[54] **SHOCK RESISTANT DEWAR VESSEL**

[54] **VASE DEWEAR RESISTANT AUX CHOCS**

[72] DRESOW, JEFFRY, US
[72] LYDOLPH, PAUL, US
[72] THISSEN, KEVIN, US
[73] MVE BIOLOGICAL SOLUTIONS US, US
[85] 2019-06-04
[86] 2017-12-22 (PCT/US2017/068149)
[87] (WO2018/125792)
[30] US (62/439,377) 2016-12-27

[11] **3,047,418**
[13] C

[51] **Int.Cl. A61F 7/02 (2006.01) A61F 13/15 (2006.01)**

[25] EN

[54] **COOLING PAD**

[54] **TAMPON REFROIDISSANT**

[72] CAMPBELL, ANTOINETTE, AU
[72] CALLOW, KYLEE, AU
[72] WEARNE, NATALIE, AU
[73] NAKK (BOWRAL) PTY LTD, AU
[85] 2019-06-18
[86] 2017-12-19 (PCT/AU2017/000283)
[87] (WO2018/112501)
[30] AU (2016905244) 2016-12-19
[30] AU (2017903387) 2017-08-22

[11] **3,048,525**
[13] C

[51] **Int.Cl. B62D 7/09 (2006.01)**

[25] EN

[54] **PAVING MACHINE WITH SMART STEERING CONTROL**

[54] **MACHINE DE PAVAGE AVEC COMMANDE DE DIRECTION INTELLIGENTE**

[72] FARR, THOMAS C., US
[72] BUMANN, RAYMOND J., III, US
[72] SCHAEADING, CHAD, US
[73] GOMACO CORPORATION, US
[85] 2019-06-25
[86] 2018-01-17 (PCT/US2018/014093)
[87] (WO2018/136549)
[30] US (62/447,153) 2017-01-17
[30] US (15/873,206) 2018-01-17

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,053,580**
[13] C

[51] **Int.Cl. F16B 37/14 (2006.01) B64D 37/02 (2006.01) B64D 45/02 (2006.01)**

[25] EN

[54] **COMBUSTION QUENCHING FASTENER CAPS WITH HOLES**

[54] **BOUCHONS DE FIXATION DE TYPE TREMPE PAR COMBUSTION AVEC TROUS**

[72] ROPER, CHRISTOPHER STEPHEN, US

[72] SCHUBERT, RANDALL COLIN, US

[72] KWON, EDDIE, US

[72] DAMAZO, JASON S., US

[72] HANSEN, DARRIN M., US

[72] O'MASTA, MARK RANDALL, US

[72] STILKE, MORGAN A., US

[73] THE BOEING COMPANY, US

[86] (3053580)

[87] (3053580)

[22] 2019-08-28

[30] US (62/729,677) 2018-09-11

[30] US (16/209,312) 2018-12-04

[11] **3,053,690**
[13] C

[51] **Int.Cl. C01C 1/04 (2006.01) C01B 3/02 (2006.01) C07C 273/04 (2006.01)**

[25] EN

[54] **UREA PROCESS WITH CONTROLLED EXCESS OF CO₂ AND/OR NH₃**

[54] **PROCEDE D'UREE AVEC EXCES CONTROLE DE CO₂ ET/OU DE NH₃**

[72] SPETH, CHRISTIAN HENRIK, DK

[72] DAHL, PER JUUL, DK

[72] KROLL JENSEN, ANNETTE E., DK

[72] SCHJODT, NIELS CHRISTIAN, DK

[72] SYMRENG, MARCUS, SE

[73] TOPSOE A/S, DK

[85] 2019-08-15

[86] 2018-03-07 (PCT/EP2018/055668)

[87] (WO2018/162594)

[30] DK (PA 2017 00159) 2017-03-07

[11] **3,053,922**
[13] C

[51] **Int.Cl. B65B 3/00 (2006.01) B65B 7/26 (2006.01) B65B 43/54 (2006.01)**

[25] EN

[54] **ADAPTER, BOTTLING LINE ARRANGEMENT INCLUDING THE SAME, AND METHOD OF FILLING AND SEALING IN A BOTTLING LINE USING A BOTTLING LINE ARRANGEMENT**

[54] **ADAPTATEUR, AGENCEMENT DE LIGNE D'EMBOUTEILLAGE COMPRENANT CELUI-CI, ET PROCEDE DE REMPLISSAGE ET D'ETANCHEITE DANS UNE LIGNE D'EMBOUTEILLAGE A L'AIDE D'UN AGENCEMENT DE LIGNE D'EMBOUTEILLAGE**

[72] MYERS, KASEY, US

[72] PERDUE, ETHAN ROSS, US

[72] FOUTCH, G. F. ALEXIA, US

[73] CSP TECHNOLOGIES, INC., US

[85] 2019-08-16

[86] 2018-02-23 (PCT/US2018/019309)

[87] (WO2018/156823)

[30] US (62/463,117) 2017-02-24

[11] **3,054,139**
[13] C

[51] **Int.Cl. C21D 8/02 (2006.01) C21D 1/26 (2006.01) C21D 1/28 (2006.01) C21D 8/04 (2006.01)**

[25] EN

[54] **METHOD FOR HOMOGENIZING STEEL COMPOSITIONS**

[54] **PROCEDE D'HOMOGENEISATION DE COMPOSITIONS D'ACIER**

[72] HACKETT, MICAH J., US

[73] TERRAPOWER, LLC, US

[85] 2019-08-20

[86] 2017-06-01 (PCT/US2017/035513)

[87] (WO2018/160211)

[30] US (62/464,723) 2017-02-28

[30] US (15/609,377) 2017-05-31

[11] **3,054,719**
[13] C

[51] **Int.Cl. D21C 7/00 (2006.01) D21C 7/06 (2006.01)**

[25] EN

[54] **HIGH CONSISTENCY RE-PULPING METHOD, APPARATUS AND ABSORBENT PRODUCTS INCORPORATING RECYCLED FIBER**

[54] **PROCEDE DE REMISE EN PATE A CONSISTANCE ELEVEE, APPAREIL ET PRODUITS ABSORBANTS INCORPORANT UNE FIBRE RECYCLEE**

[72] LEE, JEFFREY A., US

[73] GPCP IP HOLDINGS LLC, US

[85] 2019-08-26

[86] 2018-05-30 (PCT/US2018/034995)

[87] (WO2018/222632)

[30] US (62/512,800) 2017-05-31

[30] US (15/990,596) 2018-05-26

[11] **3,058,311**
[13] C

[51] **Int.Cl. C22B 7/00 (2006.01) B09B 3/80 (2022.01) B09B 3/00 (2022.01) B09B 5/00 (2006.01) C22B 1/02 (2006.01) C22B 3/04 (2006.01) C22B 3/38 (2006.01) C22B 3/44 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01) H01M 10/54 (2006.01)**

[25] EN

[54] **LITHIUM RECOVERY METHOD**

[54] **PROCEDE DE RECUPERATION DE LITHIUM**

[72] ARAKAWA, JUNICHI, JP

[72] HAGA, YASUFUMI, JP

[72] ITO, JUNICHI, JP

[73] JX METALS CORPORATION, JP

[85] 2019-09-27

[86] 2018-03-28 (PCT/JP2018/013027)

[87] (WO2018/181607)

[30] JP (2017-072018) 2017-03-31

**Canadian Patents Issued
November 14, 2023**

[11] **3,059,662**
[13] C

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/18 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **HUMAN FIBROBLAST GROWTH FACTOR 21 (HFGF21) FUSION PROTEIN, PREPARATION METHOD THEREFOR, AND USE THEREOF**

[54] **PROTEINE DE FUSION DU FACTEUR 21 DE CROISSANCE DES FIBROBLASTES HUMAINS (HFGF21), SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] DONG, ZHAO, CN
[72] ZHOU, CHI, CN
[72] FENG, XIONG, CN
[72] LI, ZIRUI, CN
[72] LI, YUANLI, CN
[72] LI, QIANG, CN
[73] AMPSOURCE BIOPHARMA SHANGHAI INC., CN

[85] 2019-11-28
[86] 2017-04-10 (PCT/CN2017/079871)
[87] (WO2018/032785)
[30] CN (201610694914.1) 2016-08-19

[11] **3,061,027**
[13] C

[51] **Int.Cl. G02B 6/028 (2006.01)**

[25] EN

[54] **MULTI-CLAD OPTICAL FIBER**

[54] **FIBRE OPTIQUE A GAINÉ MULTIPLE**

[72] ZEDIKER, MARK, US
[72] STEGEMAN, ROBERT, US
[72] TUCKER, JAMES, US
[72] FEVE, JEAN-PHILIPPE, US
[73] NUBURU, INC., US

[85] 2019-10-18
[86] 2018-04-20 (PCT/US2018/028698)
[87] (WO2018/195510)
[30] US (62/488,440) 2017-04-21

[11] **3,062,814**
[13] C

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 9/00 (2006.01) A61K 47/14 (2017.01) A61K 47/44 (2017.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **STABLE CANNABINOID FORMULATIONS**

[54] **FORMULATIONS DE CANNABINOIDES STABLES**

[72] VANGARA, KIRAN KUMAR, US
[72] LI, HUAGUANG, US
[72] YAN, NINGXIN, US
[72] NGUYEN, HUNG Q., US
[72] GOSKONDA, VENKAT R., US
[73] RADIUS PHARMACEUTICALS, INC., US

[85] 2019-10-25
[86] 2017-09-22 (PCT/US2017/052897)
[87] (WO2018/200024)
[30] US (15/499,178) 2017-04-27

[11] **3,066,855**
[13] C

[51] **Int.Cl. H04L 25/03 (2006.01)**

[25] EN

[54] **REFERENCE SIGNAL TRANSMISSION METHOD AND TRANSMISSION APPARATUS**

[54] **PROCEDE DE TRANSMISSION DE SIGNAL DE REFERENCE ET APPAREIL DE TRANSMISSION**

[72] ZHANG, XI, CN
[72] XU, MINGHUI, CN
[72] XIAO, WEIMIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-12-10
[86] 2018-06-14 (PCT/CN2018/091188)
[87] (WO2018/228458)
[30] CN (201710458494.1) 2017-06-16

[11] **3,067,209**
[13] C

[51] **Int.Cl. G05B 15/02 (2006.01)**

[25] EN

[54] **DISCOVERY AND IDENTIFICATION OF EQUIPMENT AND OPERATIONAL DATA IN A BUILDING AUTOMATION SYSTEM**

[54] **DECOUVERTE ET IDENTIFICATION DE DONNEES OPERATIONNELLES ET D'EQUIPEMENTS DANS UN SYSTEME D'AUTOMATISATION DE BÂTIMENT**

[72] MARESCO, JAMES, US
[73] SIEMENS INDUSTRY, INC., US

[85] 2019-12-12
[86] 2018-06-01 (PCT/US2018/035544)
[87] (WO2018/231547)
[30] US (15/622,600) 2017-06-14

[11] **3,071,786**
[13] C

[51] **Int.Cl. A61K 31/07 (2006.01) A61K 31/201 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **PREVENTION AND/OR TREATMENT OF NEURODEGENERATIVE DISEASE**

[54] **PREVENTION ET/OU TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE**

[72] HOWARD, ALAN NORMAN, GB
[72] NOLAN, JOHN, IE
[72] MULCAHY, RIONA, GB
[73] MARAVILLA LLC, US

[85] 2020-01-31
[86] 2018-05-10 (PCT/GB2018/051255)
[87] (WO2019/110951)
[30] GB (1720119.5) 2017-12-04

[11] **3,073,063**
[13] C

[51] **Int.Cl. B25F 1/04 (2006.01) B25F 1/00 (2006.01) B25F 1/02 (2006.01) B25G 1/08 (2006.01)**

[25] EN

[54] **MULTI-TOOL DEVICE**

[54] **DISPOSITIF A OUTILS MULTIPLES**

[72] NEWMAN, MICHAEL SCOTT, US
[73] NEWMAN PRODUCTS, LLC, US

[85] 2020-02-13
[86] 2018-08-21 (PCT/US2018/047177)
[87] (WO2019/040401)
[30] US (62/548,901) 2017-08-22

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,075,623**
[13] C

[51] **Int.Cl. A23L 27/40 (2016.01) A23L 29/294 (2016.01) A23L 33/10 (2016.01)**
[25] EN
[54] **LOW SODIUM SALT SUBSTITUTE WITH POTASSIUM CHLORIDE**
[54] **SUBSTITUT DE SEL PAUVRE EN SODIUM COMPRENANT DU CHLORURE DE POTASSIUM**
[72] BROPHY, JAMES S., US
[72] DAVIS, FRANK E., US
[72] CHIGURUPATI, SAMBASIVA RAO, US
[72] TROTTER, CHRIS, US
[73] S & P INGREDIENT DEVELOPMENT, LLC, US
[85] 2020-03-11
[86] 2018-06-15 (PCT/US2018/037857)
[87] (WO2019/055082)
[30] US (62/560,117) 2017-09-18

[11] **3,077,878**
[13] C

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **SENSOR SYSTEMS FOR USE IN CONNECTION WITH MEDICAL PROCEDURES**
[54] **SYSTEMES DE CAPTEURS A UTILISER EN RELATION AVEC DES PROCEDURES MEDICALES**
[72] REITER, JASON DAVID, US
[72] KELLNER, WILLIAM, US
[72] KRAJDAS, JAY, US
[72] SHVETSOV, KYRYLO, US
[72] SCROGGINS, ROBERT, US
[72] PEPE, GREGORY, US
[72] BONANO, SAMANTHA, US
[73] BUFFALO FILTER LLC, US
[86] (3077878)
[87] (3077878)
[22] 2017-06-06
[62] 3,026,643
[30] US (62/345,930) 2016-06-06
[30] US (62/397,883) 2016-09-21

[11] **3,079,847**
[13] C

[51] **Int.Cl. H01R 4/64 (2006.01)**
[25] EN
[54] **MECHANICAL GROUNDING CLAMP**
[54] **PINCE DE MISE A LA TERRE MECANIQUE**
[72] MARTIN, EVAN, US
[72] TROMBLEY, LOGAN MICHAEL, US
[72] CARBONNEAU, SAM, US
[72] RULAND, REID, US
[73] HUBBELL INCORPORATED, US
[85] 2020-04-21
[86] 2018-11-05 (PCT/US2018/059211)
[87] (WO2019/094332)
[30] US (62/584,187) 2017-11-10

[11] **3,080,986**
[13] C

[51] **Int.Cl. A61B 6/03 (2006.01) A61B 6/04 (2006.01) A61B 6/06 (2006.01) A61N 5/01 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DUAL-USE COMPUTED TOMOGRAPHY FOR IMAGING AND RADIATION THERAPY**
[54] **SYSTEME ET PROCEDE DE TOMODENSITOMETRIE A DOUBLE USAGE POUR IMAGERIE ET RADIOTHERAPIE**
[72] DILMANIAN, F. AVRAHAM, US
[72] SCHWEITZER, MARK, US
[72] BAKER, JAMESON, US
[72] CATTELL, RENEE, US
[73] THE RESEARCH FOUNDATION FOR STATE UNIVERSITY OF NEW YORK, US
[85] 2020-04-29
[86] 2018-11-06 (PCT/US2018/059401)
[87] (WO2019/090314)
[30] US (62/581,952) 2017-11-06

[11] **3,086,492**
[13] C

[51] **Int.Cl. B32B 5/26 (2006.01) B28B 23/00 (2006.01) B32B 5/02 (2006.01)**
[25] EN
[54] **A REINFORCING LAYER, A CEMENTITIOUS BOARD, AND METHOD OF FORMING THE CEMENTITIOUS BOARD**
[54] **COUCHE DE RENFORCEMENT, PLAQUE EN MATERIAU CIMENTAIRE ET PROCEDE DE FORMATION DE LA PLAQUE EN MATERIAU CIMENTAIRE**
[72] BROWN, NANCY E., US
[72] GOLDHAWK, MATTHEW S., US
[72] LI, ZHENPENG, US
[72] ROSSELER, OLIVIER, US
[73] SAINT-GOBAIN ADFORS CANADA, LTD., US
[85] 2020-06-19
[86] 2018-12-18 (PCT/US2018/066203)
[87] (WO2019/126149)
[30] US (62/607,794) 2017-12-19

[11] **3,085,634**
[13] C

[51] **Int.Cl. A61K 47/00 (2006.01)**
[25] EN
[54] **A CONJUGATE OF A TUBULYSIN ANALOG WITH BRANCHED LINKERS**
[54] **CONJUGUE D'UN ANALOGUE DE TUBULYSINE AVEC DES LIEURS RAMIFIES**
[72] ZHAO, ROBERT YONGXIN, US
[72] YANG, QINGLIANG, CN
[72] HUANG, YUANYUAN, CN
[72] ZHAO, LINYAO, CN
[72] GAI, SHUN, CN
[72] YE, HANGBO, CN
[72] LEI, JUN, CN
[72] XU, YIFANG, CN
[72] CAO, MINGJUN, CN
[72] GUO, HUIHUI, CN
[72] JIA, JUNXIANG, CN
[72] TONG, QIANQIAN, CN
[72] LI, WENJUN, CN
[72] ZHOU, XIAOMAI, CN
[72] XIE, HONGSHENG, CN
[72] BAI, LU, CN
[72] CAI, XIANG, CN
[72] ZHUO, XIAOTAO, CN
[72] ZHANG, XIUZHENG, CN
[72] ZHENG, JUN, CN
[73] HANGZHOU DAC BIOTECH CO., LTD, CN
[85] 2020-06-12
[86] 2017-12-31 (PCT/CN2017/120454)
[87] (WO2019/127607)

[11] **3,086,492**
[13] C

[51] **Int.Cl. B32B 5/26 (2006.01) B28B 23/00 (2006.01) B32B 5/02 (2006.01)**
[25] EN
[54] **A REINFORCING LAYER, A CEMENTITIOUS BOARD, AND METHOD OF FORMING THE CEMENTITIOUS BOARD**
[54] **COUCHE DE RENFORCEMENT, PLAQUE EN MATERIAU CIMENTAIRE ET PROCEDE DE FORMATION DE LA PLAQUE EN MATERIAU CIMENTAIRE**
[72] BROWN, NANCY E., US
[72] GOLDHAWK, MATTHEW S., US
[72] LI, ZHENPENG, US
[72] ROSSELER, OLIVIER, US
[73] SAINT-GOBAIN ADFORS CANADA, LTD., US
[85] 2020-06-19
[86] 2018-12-18 (PCT/US2018/066203)
[87] (WO2019/126149)
[30] US (62/607,794) 2017-12-19

**Canadian Patents Issued
November 14, 2023**

[11] **3,087,103**
[13] C

[51] **Int.Cl. A61M 1/02 (2006.01) A61M 1/36 (2006.01) A61M 1/38 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR TREATMENT OF HEMORRHAGIC FLUID FOR AUTOTRANSFUSION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE LIQUIDE HEMORRAGIQUE POUR DE L'AUTOTRANSFUSION**
[72] GADRAT, FRANCIS, FR
[72] CHOLLET, STEPHANE, FR
[72] PICOT, SYLVAIN, FR
[72] FOREST-VILLEGAS, PATRICIA, FR
[73] I-SEP, FR
[85] 2020-06-22
[86] 2018-12-21 (PCT/FR2018/053500)
[87] (WO2019/129973)
[30] FR (1763308) 2017-12-28
[30] FR (1763310) 2017-12-28

[11] **3,091,325**
[13] C

[51] **Int.Cl. G06V 10/10 (2022.01) G07D 11/40 (2019.01) G07D 7/00 (2016.01)**
[25] FR
[54] **DOCUMENT READER MODULE, RELATED HOUSING AND TERMINAL**
[54] **MODULE POUR LECTURE D'UN DOCUMENT, BOITIER ET TERMINAL ASSOCIES**
[72] COMBES, SOPHIE, FR
[72] CHAUSSADE, XAVIER, FR
[72] GAUCHER, LUC, FR
[73] IDEMIA IDENTITY & SECURITY FRANCE, FR
[86] (3091325)
[87] (3091325)
[22] 2020-08-27
[30] FR (1909524) 2019-08-29

[11] **3,091,651**
[13] C

[51] **Int.Cl. A63B 22/02 (2006.01)**
[25] EN
[54] **DIFFERENTIAL AIR PRESSURE EXERCISE AND THERAPEUTIC DEVICE**
[54] **EXERCICE DE PRESSION D'AIR DIFFERENTIELLE ET DISPOSITIF THERAPEUTIQUE**
[72] BAYERLEIN, DOUGLAS G., US
[72] OBLAMSKI, NICHOLAS A., US
[72] EMONS, VANCE E., US
[72] PETERSON, BEN, US
[72] JORDAN, DEREK T., US
[73] WOODWAY USA, INC., US
[85] 2020-08-18
[86] 2019-02-18 (PCT/US2019/018429)
[87] (WO2019/161338)
[30] US (62/632,310) 2018-02-19

[11] **3,092,082**
[13] C

[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DEADBOLT POSITION SENSING**
[54] **PROCEDE ET APPAREIL DE DETECTION DE POSITION DE PENE DORMANT**
[72] AINLEY, WILLIAM B., US
[72] BATY, DAVID M., US
[72] NEWBY, DAVID, US
[72] SEACAT, JUSTIN D., US
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2020-08-24
[86] 2019-01-15 (PCT/US2019/013616)
[87] (WO2019/143599)
[30] US (15/872,806) 2018-01-16

[11] **3,092,980**
[13] C

[51] **Int.Cl. B66B 9/00 (2006.01) B66B 1/00 (2006.01)**
[25] EN
[54] **VERTICAL PLATFORM LIFT AND CONTROL SYSTEM**
[54] **PLATEFORME ELEVATRICE VERTICALE ET SYSTEME DE CONTROLE**
[72] NASH, DEREK J, US
[72] KIM, BYRON C. Y., US
[73] HARMAR MOBILITY LLC, US
[86] (3092980)
[87] (3092980)
[22] 2020-09-14
[30] US (16/570,646) 2019-09-13

[11] **3,093,115**
[13] C

[51] **Int.Cl. A47K 13/02 (2006.01)**
[25] EN
[54] **TOILET SEALING DEVICE**
[54] **DISPOSITIF DE SCELLAGE DE TOILETTE**
[72] HUNT, RYAN, CA
[73] HUNT, RYAN, CA
[86] (3093115)
[87] (3093115)
[22] 2020-09-15
[30] CA (PCT/CA2020/050908) 2020-06-29

[11] **3,093,966**
[13] C

[51] **Int.Cl. G06V 40/12 (2022.01) G06V 10/75 (2022.01) G06V 10/82 (2022.01) G06V 40/13 (2022.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING AN OBJECT WITHIN AN IMAGE AND MOBILE DEVICE FOR EXECUTING THE METHOD**
[54] **PROCEDE D'IDENTIFICATION D'UN OBJET DANS UNE IMAGE ET DISPOSITIF MOBILE POUR EXECUTER LE PROCEDE**
[72] ARAGON, JESUS, US
[73] IDENTITY INC., US
[85] 2020-09-09
[86] 2019-03-15 (PCT/IB2019/052126)
[87] (WO2019/175846)
[30] EP (18382174.3) 2018-03-16

[11] **3,094,652**
[13] C

[51] **Int.Cl. H04W 4/24 (2018.01) H04W 4/12 (2009.01) H04W 4/16 (2009.01) G06Q 20/32 (2012.01) H04W 4/80 (2018.01)**
[25] EN
[54] **SYSTEM, SMART DEVICE AND METHOD FOR APPORTIONING SMART DEVICE OPERATIONS AND COSTS**
[54] **SYSTEME, DISPOSITIF INTELLIGENT ET PROCEDE DE REPARITION DES OPERATIONS ET DES COUTS D'UN DISPOSITIF INTELLIGENT**
[72] DAMSTRA, THOM, CA
[73] MOBILITY VIEW INC., CA
[86] (3094652)
[87] (3094652)
[22] 2014-07-21
[62] 2,918,885
[30] US (61/856,720) 2013-07-21

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,094,815**

[13] C

- [51] **Int.Cl. H04S 7/00 (2006.01) G10K 15/08 (2006.01) H04S 5/00 (2006.01)**
[25] EN
[54] **AUDIO SIGNAL PROCESSOR, SYSTEM AND METHODS DISTRIBUTING AN AMBIENT SIGNAL TO A PLURALITY OF AMBIENT SIGNAL CHANNELS**
[54] **PROCESSEUR DE SIGNAL AUDIO, SYSTEME ET PROCEDES DISTRIBUANT UN SIGNAL AMBIANT A UNE PLURALITE DE CANAUX DE SIGNAL AMBIANT**
[72] UHLE, CHRISTIAN, DE
[72] HELLMUTH, OLIVER, DE
[72] HAVENSTEIN, JULIA, DE
[72] LEONARD, TIMOTHY, DE
[72] LANG, MATTHIAS, DE
[72] HOPFEL, MARC, DE
[72] PROKEIN, PETER, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-07-28
[86] 2019-01-28 (PCT/EP2019/052018)
[87] (WO2019/145545)
[30] EP (18153968.5) 2018-01-29

[11] **3,094,900**

[13] C

- [51] **Int.Cl. A63F 13/24 (2014.01)**
[25] EN
[54] **GAMES CONTROLLER**
[54] **MANETTE DE JEU**
[72] IRONMONGER, DUNCAN, US
[72] JEFFREY, CARL, GB
[73] IRONBURG INVENTIONS LIMITED, GB
[86] (3094900)
[87] (3094900)
[22] 2016-09-13
[62] 2,998,992
[30] US (62/222,659) 2015-09-23

[11] **3,095,638**

[13] C

- [51] **Int.Cl. H04N 21/242 (2011.01) H04N 21/2343 (2011.01) H04N 19/174 (2014.01) H04L 47/10 (2022.01) H04L 12/66 (2006.01) H04L 47/31 (2022.01)**
[25] EN
[54] **VIDEO DATA STREAM CONCEPT**
[54] **CONCEPT DE FLUX DE DONNEES VIDEO**
[72] SCHIERL, THOMAS, DE
[72] GEORGE, VALERI, DE
[72] HENKEL, ANASTASIA, DE
[72] MARPE, DETLEV, DE
[72] GRUNEBERG, KARSTEN, DE
[72] SKUPIN, ROBERT, DE
[73] GE VIDEO COMPRESSION, LLC, US
[86] (3095638)
[87] (3095638)
[22] 2013-07-01
[62] 2,877,045
[30] US (61/666,185) 2012-06-29

[11] **3,096,110**

[13] C

- [51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/15 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE INSERTERS AND PROCESSES OF INSERTING AND USING MEDICAL DEVICES**
[54] **APPAREILS D'INSERTION DE DISPOSITIFS MEDICAUX ET PROCEDES D'INSERTION ET D'UTILISATION DE DISPOSITIFS MEDICAUX**
[72] DONNAY, MANUEL LUIS, US
[72] NGUYEN, TUAN, US
[72] PACE, LOUIS G., US
[72] ROBINSON, PETER G., US
[73] ABBOTT DIABETES CARE INC., US
[86] (3096110)
[87] (3096110)
[22] 2011-03-24
[62] 2,766,232
[30] US (61/317,243) 2010-03-24
[30] US (61/345,562) 2010-05-17
[30] US (61/361,374) 2010-07-02
[30] US (61/411,262) 2010-11-08

[11] **3,097,947**

[13] C

- [51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **COINED SUTURE PASSING DRILL**
[54] **FORET DE PASSAGE DE SUTURE MATRICE**
[72] SUMMITT, MATTHEW, US
[72] THIBODEAU, ROBERT A., US
[73] CONMED CORPORATION, US
[85] 2020-10-20
[86] 2019-05-07 (PCT/US2019/030995)
[87] (WO2019/217345)
[30] US (62/668,900) 2018-05-09

[11] **3,098,226**

[13] C

- [51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61F 2/97 (2013.01)**
[25] EN
[54] **STEERABLE DELIVERY SYSTEM FOR REPLACEMENT MITRAL VALVE AND METHODS OF USE**
[54] **SYSTEME DE POSE MANIABLE POUR VALVULE MITRALE DE REMPLACEMENT ET PROCEDES D'UTILISATION**
[72] COOPER, ALEXANDER H., US
[72] LANDON, DAVID ROBERT, US
[72] SANCHEZ, JULIO CESAR, US
[72] RABITO, GLEN T., US
[72] RATZ, BRENT J., US
[72] QUADRI, ARSHAD, US
[72] STEWART, KEVIN M., US
[72] CHOW, PATRICK, US
[73] EDWARDS LIFESCIENCES CARDIAQ LLC, US
[86] (3098226)
[87] (3098226)
[22] 2016-08-26
[62] 2,977,538
[30] US (62/211,574) 2015-08-28
[30] US (62/349,326) 2016-06-13
[30] US (15/245,669) 2016-08-24

**Canadian Patents Issued
November 14, 2023**

[11] **3,099,123**
[13] C

[51] **Int.Cl. B07B 1/12 (2006.01) B01D 29/44 (2006.01) B07B 1/18 (2006.01) B07B 1/46 (2006.01) D21D 5/16 (2006.01)**

[25] EN
[54] **SCREEN PRODUCTION METHOD**
[54] **PROCEDE DE FABRICATION DE TAMIS**

[72] BRETTSCHEIDER, WERNER, DE
[72] KAUER, INGO, DE
[72] SCHADLER, MELANIE, DE
[72] BURGER, RALF, DE
[73] VOITH PATENT GMBH, DE
[85] 2020-09-28
[86] 2018-10-17 (PCT/EP2018/078317)
[87] (WO2019/115061)
[30] DE (10 2017 129 752.9) 2017-12-13

[11] **3,102,084**
[13] C

[51] **Int.Cl. H05K 3/28 (2006.01) H05K 1/03 (2006.01) H05K 3/12 (2006.01)**

[25] EN
[54] **FLEXIBLE CONDUCTIVE PRINTED CIRCUITS WITH PRINTED OVERCOATS**
[54] **CIRCUIT IMPRIME SOUPLE CONDUCTEUR MUNI DE REVETEMENTS IMPRIMES**

[72] VELLA, SARAH J., CA
[72] ZHU, YUJIE, CA
[72] SMITHSON, CHAD S., CA
[73] XEROX CORPORATION, US
[86] (3102084)
[87] (3102084)
[22] 2020-12-09
[30] US (16/722983) 2019-12-20

[11] **3,105,017**
[13] C

[51] **Int.Cl. F16L 3/16 (2006.01) F16L 3/12 (2006.01) F16L 27/00 (2006.01)**

[25] EN
[54] **EXPANSION AND MOVEMENT JOINTS**
[54] **JOINTS DE DILATATION ET DE MOUVEMENT**

[72] SHAMBEAU, ADAM JOSEPH, US
[72] HOLSCHUH, MATTHEW MARK, US
[72] PETERSON, JESSE ALAN, US
[72] PEDERSEN, BRADLEY BRIAN, US
[72] HIGGINS, PATRICK JOHN, US
[73] DURR UNIVERSAL, INC., US
[85] 2021-01-05
[86] 2019-06-28 (PCT/US2019/039708)
[87] (WO2020/009913)
[30] US (62/694,275) 2018-07-05

[11] **3,099,982**
[13] C

[51] **Int.Cl. G07C 5/08 (2006.01) G06Q 30/0251 (2023.01) G06Q 40/08 (2012.01) H04W 4/021 (2018.01) H04W 4/44 (2018.01)**

[25] EN
[54] **CONTENT OUTPUT SYSTEMS USING VEHICLE-BASED DATA**
[54] **SYSTEMES DE SORTIE DE CONTENU FAISANT APPEL A DES DONNEES BASEES SUR UN VEHICULE**

[72] WASSERMAN, ROBERT, US
[72] DIMESA, FRED, US
[72] YURDIN, BILL, US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2020-11-11
[86] 2019-05-17 (PCT/US2019/032905)
[87] (WO2019/222651)
[30] US (15/982,654) 2018-05-17

[11] **3,104,694**
[13] C

[51] **Int.Cl. C02F 9/00 (2023.01) C02F 1/52 (2006.01) C02F 1/66 (2006.01) C02F 5/02 (2006.01) C02F 11/00 (2006.01)**

[25] EN
[54] **PROCESS FOR TREATING FRAC FLOWBACK AND PRODUCED WATER INCLUDING NATURALLY OCCURRING RADIOACTIVE MATERIAL**
[54] **PROCEDE DE TRAITEMENT DE REFLUX DE FRACTURATION ET D'EAU PRODUITE COMPRENANT UNE MATIERE RADIOACTIVE NATURELLE**

[72] BANERJEE, KASHI, US
[72] BLUMENSCHN, CHARLES D., US
[72] KRONEBUSCH, HILLARY, US
[72] PETROVICH, SARAH, US
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
[85] 2020-12-21
[86] 2019-07-08 (PCT/US2019/040779)
[87] (WO2020/014109)
[30] US (62/695,921) 2018-07-10

[11] **3,105,971**
[13] C

[51] **Int.Cl. A01K 97/01 (2006.01) A01K 87/00 (2006.01)**

[25] EN
[54] **A FISHING DEVICE AND A METHOD OF USE THEREOF**
[54] **APPAREIL DE PECHE ET METHODE D'UTILISATION**

[72] TURPIN, PATRICK, CA
[73] TURPIN, PATRICK, CA
[86] (3105971)
[87] (3105971)
[22] 2021-01-18

[11] **3,107,713**
[13] C

[51] **Int.Cl. B23K 11/11 (2006.01)**

[25] EN
[54] **AN ASSEMBLY OF AT LEAST 2 METALLIC SUBSTRATES**
[54] **ENSEMBLE D'AU MOINS 2 SUBSTRATS METALLIQUES**

[72] MACHADO AMORIM, TIAGO, FR
[72] MICHAUT, STEPHANIE, FR
[72] BROSSARD, MAXIME, FR
[72] BERTHO, PASCAL, FR
[72] HELMER, JEAN-MARIE, FR
[73] ARCELORMITTAL, LU
[85] 2021-01-26
[86] 2019-09-09 (PCT/IB2019/057577)
[87] (WO2020/053735)
[30] IB (PCT/IB2018/056997) 2018-09-13

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,109,653**

[13] C

- [51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/07 (2013.01) A61F 2/06 (2013.01) A61M 25/10 (2013.01) A61M 39/20 (2006.01)**
- [25] EN
- [54] **STENT LOADING DEVICE WITH FLUID RESERVOIR**
- [54] **DISPOSITIF DE CHARGEMENT D'ENDOPROTHESE A RESERVOIR DE FLUIDE**
- [72] PETERSON, ALEX A., US
- [72] DIEDERING, JASON S., US
- [72] KUMAR, SARAVANA B., US
- [73] 4C MEDICAL TECHNOLOGIES, INC., US
- [85] 2021-02-12
- [86] 2019-09-04 (PCT/US2019/049412)
- [87] (WO2020/051164)
- [30] US (62/726,614) 2018-09-04
- [30] US (16/558,897) 2019-09-03

[11] **3,109,761**

[13] C

- [51] **Int.Cl. E21B 41/00 (2006.01) G06Q 50/10 (2012.01)**
- [25] EN
- [54] **GEOLOGICAL MAP POLYGON CHECKER FOR POLYGONS IN DEPOSITIONAL ENVIRONMENT**
- [54] **VERIFICATEUR DE POLYGONE DE CARTE GEOLOGIQUE POUR POLYGONES DANS UN ENVIRONNEMENT DE DEPOT**
- [72] RORKE, DOMINIC ALLAN, GB
- [73] LANDMARK GRAPHICS CORPORATION, US
- [85] 2021-02-16
- [86] 2018-10-22 (PCT/US2018/056888)
- [87] (WO2020/086054)

[11] **3,109,811**

[13] C

- [51] **Int.Cl. H04N 13/30 (2018.01) H04N 13/302 (2018.01) H04N 13/307 (2018.01) G02B 30/00 (2020.01) A61B 3/00 (2006.01) G02B 27/00 (2006.01) G09G 3/00 (2006.01)**
- [25] EN
- [54] **LIGHT FIELD DISPLAY, ADJUSTED PIXEL RENDERING METHOD THEREFOR, AND VISION CORRECTION SYSTEM AND METHOD USING SAME**
- [54] **DISPOSITIF D'AFFICHAGE DE CHAMP LUMINEUX, PROCEDE DE RENDU DE PIXELS AJUSTE ASSOCIE, ET SYSTEME DE CORRECTION DE VISION ET PROCEDE L'UTILISANT**
- [72] GOTSCH, DANIEL, CA
- [73] EVOLUTION OPTIKS LIMITED, BB
- [85] 2021-02-16
- [86] 2019-10-21 (PCT/IB2019/058955)
- [87] (WO2020/084447)
- [30] CA (3,021,636) 2018-10-22
- [30] US (16/259,845) 2019-01-28
- [30] US (16/510,673) 2019-07-12
- [30] US (16/551,572) 2019-08-26
- [30] US (16/569,137) 2019-09-12

[11] **3,115,412**

[13] C

- [51] **Int.Cl. G06F 9/50 (2006.01) H04L 41/0896 (2022.01) H04L 67/10 (2022.01) H04L 67/55 (2022.01)**
- [25] EN
- [54] **METHODS FOR MANAGING BANDWIDTH ALLOCATION IN A CLOUD-BASED SYSTEM AND RELATED BANDWIDTH MANAGERS AND COMPUTER PROGRAM PRODUCTS**
- [54] **PROCEDES DE GESTION D'ALLOCATION DE BANDE PASSANTE DANS UN SYSTEME BASE SUR UN NUAGE ET GESTIONNAIRES DE BANDE PASSANTE ET PRODUITS DE PROGRAMME INFORMATIQUE ASSOCIES**
- [72] DUFFIE, JOHN BRAWNER, III, US
- [73] SENSUS SPECTRUM, LLC, US
- [85] 2021-04-06
- [86] 2019-10-08 (PCT/IB2019/058567)
- [87] (WO2020/075073)
- [30] US (62/744,373) 2018-10-11

[11] **3,115,770**

[13] C

- [51] **Int.Cl. A61K 9/08 (2006.01) A61K 38/17 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61L 2/00 (2006.01) A61P 1/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01)**
- [25] EN
- [54] **COMPOSITIONS AND METHODS FOR ENHANCING SYSTEMIC DELIVERABILITY, TOLERABILITY, AND EFFICACY OF CATIONIC MACROCYCLIC PEPTIDES**
- [54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA CAPACITE D'ADMINISTRATION SYSTEMIQUE, LA TOLERABILITE ET L'EFFICACITE DE PEPTIDES MACROCYCLIQUES CATIONIQUES**
- [72] SCHAAL, JUSTIN B., US
- [72] TRAN, PATTI, US
- [72] SELSTED, MICHAEL E., US
- [72] TRAN, DAT, US
- [73] THE UNIVERSITY OF SOUTHERN CALIFORNIA, US
- [85] 2021-04-08
- [86] 2019-10-09 (PCT/US2019/055362)
- [87] (WO2020/076925)
- [30] US (62/743,243) 2018-10-09

[11] **3,117,270**

[13] C

- [51] **Int.Cl. B01F 35/22 (2022.01) B01F 35/71 (2022.01)**
- [25] EN
- [54] **MINIATURISED DEVICE FOR AUTOMATED MANUFACTURING OF PHARMACEUTICAL COMPOSITIONS, AND ASSOCIATED METHOD**
- [54] **DISPOSITIF MINIATURISE DE FABRICATION AUTOMATISEE DE COMPOSITIONS PHARMACEUTIQUES, ET PROCEDE ASSOCIES**
- [72] RONNBACK, ROBERT, CH
- [72] SAUNIER, JOSSELIN, CH
- [73] FERRING B.V., NL
- [85] 2021-04-21
- [86] 2019-10-25 (PCT/EP2019/079311)
- [87] (WO2020/084159)
- [30] FR (1859870) 2018-10-25

**Canadian Patents Issued
November 14, 2023**

[11] **3,119,830**
[13] C

[51] **Int.Cl. H04L 67/306 (2022.01) G06Q 30/0201 (2023.01) G06Q 30/0242 (2023.01) G06F 17/18 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO COMPENSATE IMPRESSION DATA FOR MISATTRIBUTION AND/OR NON-COVERAGE BY A DATABASE PROPRIETOR**

[54] **PROCEDES ET APPAREIL POUR COMPENSER L'ATTRIBUTION INCORRECTE ET/OU LE DEFAUT DE COUVERTURE DE DONNEES D'IMPRESSION PAR LE PROPRIETAIRE D'UNE BASE DE DONNEES**

[72] RAO, KUMAR NAGARAJA, US
[72] LUO, TIANJUE, US
[72] PEREZ, ALBERT RONALD, US
[72] BELL, STEPHEN S., US
[72] ZHANG, MIMI, US
[72] HASKELL, JENNIFER, US
[72] WONG, DAVID, US
[73] THE NIELSEN COMPANY (US), LLC, US

[86] (3119830)
[87] (3119830)
[22] 2014-12-04
[62] 2,936,701
[30] US (61/952,726) 2014-03-13
[30] US (61/979,391) 2014-04-14
[30] US (61/986,784) 2014-04-30
[30] US (61/991,286) 2014-05-09
[30] US (62/014,659) 2014-06-19
[30] US (62/023,675) 2014-07-11
[30] US (62/030,571) 2014-07-29

[11] **3,121,460**
[13] C

[51] **Int.Cl. C07H 3/02 (2006.01) C07H 1/00 (2006.01)**

[25] EN

[54] **D-PSICOSE CRYSTAL AND PREPARATION METHOD THEREFOR**

[54] **CRISTAL DE D-PSICOSE ET SON PROCEDE DE PREPARATION**

[72] PARK, YOUNG SOO, KR
[72] LEE, JOO HANG, KR
[72] KIM, SEONG BO, KR
[72] PARK, SEUNG WON, KR
[73] CJ CHEILJEDANG CORPORATION, KR

[85] 2021-05-28
[86] 2019-11-29 (PCT/KR2019/016668)
[87] (WO2020/111851)
[30] KR (10-2018-0152876) 2018-11-30

[11] **3,122,115**
[13] C

[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/021 (2006.01)**

[25] EN

[54] **METHOD OF PREDICTING FLUID RESPONSIVENESS IN PATIENTS**

[54] **PROCEDE DE PREDICTION DE LA REACTIVITE A UN LIQUIDE CHEZ DES PATIENTS**

[72] ACOSTA, SEBASTIAN, US
[72] AHMED, MUBBASHEER, US
[72] YIN, SUELLEN, US
[72] PENNY, DANIEL, US
[72] BRADY, KENNETH, US
[72] RUSIN, CRAIG, US
[73] BAYLOR COLLEGE OF MEDICINE, US

[85] 2021-06-03
[86] 2020-02-14 (PCT/US2020/018391)
[87] (WO2020/168260)
[30] US (62/805,696) 2019-02-14

[11] **3,123,736**
[13] C

[51] **Int.Cl. B65D 17/50 (2006.01) B65D 47/28 (2006.01)**

[25] EN

[54] **CAN LID, CAN AND METHOD FOR MANUFACTURING A CAN LID**

[54] **COUVERCLE DE BOITE-BOISSON, BOITE-BOISSON ET PROCEDE DE FABRICATION D'UN COUVERCLE DE BOITE-BOISSON**

[72] SCHANDL, CHRISTIAN, AT
[72] BUHLER, ALOIS, LI
[73] RE-LID ENGINEERING AG, LI

[85] 2021-06-16
[86] 2019-12-16 (PCT/EP2019/085335)
[87] (WO2020/127037)
[30] EP (18212937.9) 2018-12-17

[11] **3,123,928**
[13] C

[51] **Int.Cl. C07C 215/58 (2006.01) A61K 9/20 (2006.01) A61K 31/00 (2006.01) A61K 31/137 (2006.01) A61K 31/191 (2006.01) A61K 47/12 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 37/08 (2006.01) C07C 55/08 (2006.01)**

[25] EN

[54] **CRYSTALLINE EPINEPHRINE MALONATE SALT**

[54] **SEL DE MALONATE D'EPINEPHRINE CRISTALLIN**

[72] SOMMADOSSI, JEAN-PIERRE, US
[72] MOUSSA, ADEL, US
[73] BIOTHEA PHARMA, INC., US

[85] 2021-01-21
[86] 2019-07-29 (PCT/US2019/043856)
[87] (WO2020/028215)
[30] US (62/711,936) 2018-07-30
[30] US (62/731,442) 2018-09-14

[11] **3,124,492**
[13] C

[51] **Int.Cl. H04N 21/4385 (2011.01) H04N 21/2389 (2011.01) H04N 21/24 (2011.01) H04N 21/8358 (2011.01)**

[25] EN

[54] **APPARATUS AND METHODS TO ASSOCIATE DIFFERENT WATERMARKS DETECTED IN MEDIA**

[54] **APPAREIL ET PROCEDES PERMETTANT D'ASSOCIER DIFFERENTS FILIGRANES DETECTES DANS DES SUPPORTS**

[72] NIELSEN, CHRISTEN V., US
[72] GISH, DAVID, US
[72] FRETTE, KEN JOSEPH, US
[72] COOPER, TIMOTHY SCOTT, US
[72] TOPCHY, ALEXANDER, US
[73] THE NIELSON COMPANY (US), LLC, US

[85] 2021-06-21
[86] 2019-12-17 (PCT/US2019/066915)
[87] (WO2020/131914)
[30] US (16/231,060) 2018-12-21

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,124,831**
[13] C

- [51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **SURGICAL SUCTION DEVICE THAT USES POSITIVE PRESSURE GAS**
[54] **DISPOSITIF D'ASPIRATION CHIRURGICAL UTILISANT UN GAZ A PRESSION POSITIVE**
[72] MINSKOFF, NOAH MARK, US
[72] JACKSON, JAMES, US
[72] LEEFLANG, ELISABETH JACQUES, US
[72] PHILIPPSEN, AARON OLAFUR LAURENCE, US
[73] CONMED CORPORATION, US
[86] (3124831)
[87] (3124831)
[22] 2017-04-06
[62] 2,992,164
[30] US (62/319,195) 2016-04-06
[30] US (15/480,356) 2017-04-05

[11] **3,124,889**
[13] C

- [51] **Int.Cl. H04N 19/50 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **VIDEO ENCODING AND DECODING**
[54] **CODAGE ET DECODAGE VIDEO**
[72] CHEN, FANGDONG, CN
[73] HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., CN
[85] 2021-06-24
[86] 2019-12-11 (PCT/CN2019/124453)
[87] (WO2020/135033)
[30] CN (201811628695.2) 2018-12-28

[11] **3,127,423**
[13] C

- [51] **Int.Cl. B41J 2/045 (2006.01)**
[25] EN
[54] **FLUID EJECTION DEVICES INCLUDING A MEMORY**
[54] **DISPOSITIFS D'EJECTION DE FLUIDE COMPRENANT UNE MEMOIRE**
[72] NG, BOON BING, US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2021-07-21
[86] 2019-04-19 (PCT/US2019/028404)
[87] (WO2020/214190)

[11] **3,128,267**
[13] C

- [51] **Int.Cl. F24F 1/0073 (2019.01) F24F 11/89 (2018.01) F24F 13/28 (2006.01)**
[25] EN
[54] **FILTER SCREEN RAIL MODULE, CLEANING MEMBER, INDOOR UNIT OF AIR CONDITIONER, AND AIR CONDITIONER**
[54] **MODULE DE RAIL DE MAILLE FILTRANTE, ELEMENT DE NETTOYAGE, SECTION INTERIEURE DE CLIMATISEUR ET CLIMATISEUR**
[72] LU, GEN, CN
[72] SUN, ZECHENG, CN
[72] PI, SHUYANG, CN
[72] ZHANG, HUAJUN, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2021-07-29
[86] 2019-10-22 (PCT/CN2019/112426)
[87] (WO2020/155674)
[30] CN (201920179257.6) 2019-01-31

[11] **3,128,322**
[13] C

- [51] **Int.Cl. A41D 13/015 (2006.01) A41D 13/05 (2006.01) A63B 71/08 (2006.01)**
[25] EN
[54] **A PROTECTIVE STRUCTURE FOR PROTECTIVE GARMENTS AND EQUIPMENT**
[54] **STRUCTURE DE PROTECTION POUR VETEMENTS ET EQUIPEMENT DE PROTECTION**
[72] NYLUND, MAURI, FI
[73] IBP-TECH OY, FI
[85] 2021-07-29
[86] 2020-01-27 (PCT/FI2020/000002)
[87] (WO2020/157372)
[30] FI (20197015) 2019-02-01

[11] **3,128,834**
[13] C

- [51] **Int.Cl. G06F 9/44 (2018.01) G06F 8/34 (2018.01) G06F 8/41 (2018.01) H04L 69/321 (2022.01) G06F 9/455 (2018.01) H04L 12/66 (2006.01)**
[25] EN
[54] **CONTROL INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE COMMANDE**
[72] FAIRWEATHER, JOHN, US
[72] JACOBO, GABRIEL, US
[72] LUTZ, ROBERT, US
[72] PERESSINI, JASON, US
[72] RUCKER, JEFF, US
[72] WATTS, LA VAUGHN F., JR, US
[72] WELLINGTON-OGURI, ROGER, US
[72] WIESE, ANDERSON, US
[72] WIESHUBER, GRETCHEN, US
[73] SYSTECH CORPORATION, US
[86] (3128834)
[87] (3128834)
[22] 2015-12-21
[62] 2,972,406
[30] US (62/099,367) 2015-01-02

[11] **3,128,912**
[13] C

- [51] **Int.Cl. A23L 21/10 (2016.01) A23L 5/30 (2016.01) A23L 5/42 (2016.01) A23L 21/12 (2016.01) A23L 33/105 (2016.01) B01D 11/02 (2006.01)**
[25] EN
[54] **COLORFUL-JELLY 4D PRINTING METHOD UTILIZING SPONTANEOUS COLOR CHANGE OF BLUEBERRY ANTHOCYANINS**
[54] **PROCEDE D'IMPRESSION 4D MULTICOLORE UTILISANT UN CHANGEMENT DE COULEUR SPONTANE D'ANTHOCYANINES DE MYRTILLE**
[72] ZHANG, MIN, CN
[72] GUO, CHAOFAN, CN
[72] GHAZAL, AHMED FATHY, CN
[73] JIANGNAN UNIVERSITY, CN
[85] 2021-08-04
[86] 2019-12-06 (PCT/CN2019/123526)
[87] (WO2020/233101)
[30] CN (201910420994.5) 2019-05-21

**Canadian Patents Issued
November 14, 2023**

[11] **3,129,086**
[13] C

[51] **Int.Cl. H01R 4/20 (2006.01) H02G 1/14 (2006.01) H01R 4/60 (2006.01) H02G 15/18 (2006.01)**

[25] EN

[54] **DOUBLE-ACTING HIGH TENSION COMPRESSION JOINT**

[54] **JOINT A COMPRESSION HAUTE TENSION A DOUBLE EFFET**

[72] JOHANSEN, BEN KRISTIAN, NO

[72] GUSTAVSEN, ROBIN, NO

[72] JOHANSSON, MATS, SE

[73] NEXANS, FR

[85] 2021-08-05

[86] 2020-02-10 (PCT/EP2020/053353)

[87] (WO2020/165104)

[30] EP (19305172.9) 2019-02-11

[11] **3,129,169**
[13] C

[51] **Int.Cl. E04B 1/86 (2006.01) E04B 1/84 (2006.01) E04B 9/00 (2006.01) E04B 9/04 (2006.01)**

[25] EN

[54] **FRAMED ACOUSTIC PANEL AND METHOD OF MANUFACTURE**

[54] **PANNEAU ACOUSTIQUE A CADRE ET PROCEDE DE FABRICATION**

[72] BARTELLA, LUIGI, CA

[72] DEYOE, DONALD, CA

[73] CERTAIN TEED CANADA, INC., CA

[85] 2021-08-04

[86] 2020-02-24 (PCT/US2020/019504)

[87] (WO2020/172667)

[30] US (62/809,495) 2019-02-22

[11] **3,129,172**
[13] C

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/88 (2006.01) A61F 2/30 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **DEVICE, KIT FOR REPAIRING AND FIXING ARTICULAR CARTILAGE, AND METHOD FOR THE SAME**

[54] **DISPOSITIF, TROUSSE POUR REPARER UN CARTILAGE ARTICULAIRE ET METHODE CONNEXE**

[72] DU, DAJIANG, CN

[72] ZHANG, CHANGQING, CN

[73] SHANGHAI SIXTH PEOPLE'S HOSPITAL, CN

[86] (3129172)

[87] (3129172)

[22] 2021-08-27

[30] CN (202110077845.0) 2021-01-20

[11] **3,129,641**
[13] C

[51] **Int.Cl. B65B 3/00 (2006.01) B65B 35/06 (2006.01) B65B 43/42 (2006.01) B65B 43/54 (2006.01) B65G 47/02 (2006.01) B65G 47/12 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PLACING MIXING BALLS INTO PHARMACEUTICAL CONTAINERS**

[54] **DISPOSITIF ET PROCEDE D'INSERTION DE BILLES DE MELANGE DANS DES RECIPIENTS PHARMACEUTIQUES**

[72] KRAUSS, ULRICH, DE

[72] HUMPFER, STEFFEN, DE

[72] STAEUDLE, REINER, DE

[72] SCHMIEG, REINHOLD, DE

[73] SYNTEGON TECHNOLOGY GMBH, DE

[85] 2021-08-10

[86] 2020-02-14 (PCT/EP2020/053828)

[87] (WO2020/165380)

[30] DE (10 2019 201 950.1) 2019-02-14

[11] **3,129,815**
[13] C

[51] **Int.Cl. G06F 21/00 (2013.01) G06F 21/30 (2013.01)**

[25] EN

[54] **SYSTEMS, DEVICES AND METHODS FOR USING A CENTRAL SERVER TO PROVIDE MULTI-TIERED ACCESS AND CONTROL OF A COMPUTER DEVICE**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'UTILISATION D'UN SERVEUR CENTRAL POUR FOURNIR UN ACCES A PLUSIEURS NIVEAUX ET COMMANDER UN DISPOSITIF INFORMATIQUE**

[72] MOUSSEAU, GARY, CA

[72] BAWA, KARIMA, CA

[73] 3D BRIDGE SOLUTIONS INC., CA

[85] 2021-09-02

[86] 2021-03-09 (PCT/CA2021/050314)

[87] (WO2021/179075)

[30] US (62/987,064) 2020-03-09

[30] US (63/062,339) 2020-08-06

[11] **3,130,531**
[13] C

[51] **Int.Cl. F26B 21/00 (2006.01) B28B 11/24 (2006.01) F26B 15/12 (2006.01)**

[25] EN

[54] **DRYING SYSTEM**

[54] **SYSTEME DE SECHAGE**

[72] MONGROLLE, JEAN-LOUIS, FR

[72] LALANDE, JEROME, FR

[72] GOODAIRE, MARTIN, GB

[72] SELBY, STEPHEN, GB

[73] SAINT-GOBAIN PLACO SAS, FR

[86] (3130531)

[87] (3130531)

[22] 2013-12-05

[62] 2,893,550

[30] EP (12290428.7) 2012-12-05

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,131,021**

[13] C

- [51] **Int.Cl. F16L 3/02 (2006.01) E02D 29/00 (2006.01) F16L 1/00 (2006.01) F16L 1/028 (2006.01) F16L 1/06 (2006.01) F16L 3/00 (2006.01) F16L 3/08 (2006.01) F16L 3/10 (2006.01) F16L 3/12 (2006.01) F16L 7/00 (2006.01)**
- [25] EN
- [54] **ADJUSTABLE FIXTURES FOR BURIED TUBULARS, FORMING TOOLS FOR DEFINING A HOLE IN THE ADJUSTABLE FIXTURES, AND METHODS OF MANUFACTURING THE ADJUSTABLE FIXTURES**
- [54] **FIXATIONS REGLABLES POUR ELEMENTS TUBULAIRES ENTERRES, OUTILS DE FORMATION POUR DELIMITER UN TROU DANS LES FIXATIONS REGLABLES, ET PROCEDES DE FABRICATION DES FIXATIONS REGLABLES**
- [72] BARR, AARON, US
- [73] BARRCO, INC., US
- [85] 2021-08-19
- [86] 2020-02-26 (PCT/US2020/019860)
- [87] (WO2020/176600)
- [30] US (62/811,677) 2019-02-28
- [30] US (62/852,902) 2019-05-24
- [30] US (16/795,292) 2020-02-19

[11] **3,131,659**

[13] C

- [51] **Int.Cl. H02K 15/02 (2006.01) H02K 1/18 (2006.01)**
- [25] EN
- [54] **ADHESIVELY-LAMINATED CORE FOR STATOR AND ELECTRIC MOTOR**
- [54] **NOYAU COLLE/STRATIFIE POUR STATOR ET MACHINE ELECTRIQUE ROTATIVE**
- [72] TAKEDA, KAZUTOSHI, JP
- [72] HIRAYAMA, RYU, JP
- [73] NIPPON STEEL CORPORATION, JP
- [85] 2021-08-26
- [86] 2019-12-17 (PCT/JP2019/049257)
- [87] (WO2020/129921)
- [30] JP (2018-235865) 2018-12-17

[11] **3,131,693**

[13] C

- [51] **Int.Cl. H02K 1/18 (2006.01) H01F 27/24 (2006.01) H01F 27/245 (2006.01) H01F 41/02 (2006.01) H02K 1/04 (2006.01) H02K 1/30 (2006.01) H02K 15/02 (2006.01)**
- [25] EN
- [54] **ADHESIVELY-LAMINATED CORE, MANUFACTURING METHOD THEREOF, AND ELECTRIC MOTOR**
- [54] **NOYAU FEUILLETE-COLLE ET SON PROCEDE DE FABRICATION AINSI QUE MACHINE ELECTRIQUE ROTATIVE**
- [72] FUJII HIROYASU, JP
- [72] TAKATANI SHINSUKE, JP
- [72] TAKEDA KAZUTOSHI, JP
- [73] NIPPON STEEL CORPORATION, JP
- [85] 2021-08-26
- [86] 2019-12-17 (PCT/JP2019/049316)
- [87] (WO2020/129951)
- [30] JP (2018-235871) 2018-12-17

[11] **3,132,686**

[13] C

- [51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**
- [25] EN
- [54] **SYSTEM, METHOD, AND APPARATUS FOR APPLYING TRANSCUTANEOUS ELECTRICAL STIMULATION**
- [54] **SYSTEME, PROCEDE, ET APPAREIL D'APPLICATION DE STIMULATION ELECTRIQUE TRANSCUTANEE**
- [72] VAISHYA, MANISH, US
- [72] ALWAN, AYA, US
- [72] CAMERON, TRACY, US
- [72] CAMPEAN, ALEXANDRU, US
- [72] GEBREKIDAN, MAEKELE, US
- [72] LESCOEZEC, LAURA, US
- [72] SCHIAPARELLI, JILL, US
- [72] TARVER, MONICA, US
- [72] WEISGARBER, JEFF, US
- [72] ZHANG, MINGMING, US
- [73] AVATION MEDICAL, INC., US
- [85] 2021-09-03
- [86] 2020-02-28 (PCT/US2020/020334)
- [87] (WO2020/190478)
- [30] US (16/295,086) 2019-03-07
- [30] US (16/295,145) 2019-03-07
- [30] US (16/295,253) 2019-03-07
- [30] US (62/931,342) 2019-11-06
- [30] US (62/931,351) 2019-11-06
- [30] US (62/931,421) 2019-11-06
- [30] US (62/931,426) 2019-11-06
- [30] US (62/931,885) 2019-11-07

[11] **3,133,598**

[13] C

- [51] **Int.Cl. H01P 1/04 (2006.01)**
- [25] EN
- [54] **PASSIVE RADIO FREQUENCY DEVICE WITH AXIAL FIXING APERTURES**
- [54] **DISPOSITIF RADIOFREQUENCE PASSIF COMPRENANT DES OUVERTURES AXIALES DE FIXATION**
- [72] DE RIJK, EMILE, CH
- [72] BILLOD, MATHIEU, FR
- [72] MENARGUES GOMEZ, ESTEBAN, CH
- [72] CAPDEVILLA CASCANTE, SANTIAGO, CH
- [72] DEBOGOVIC, TOMISLAV, CH
- [72] DIMITRIADES, ALEXANDRE, CH
- [72] SIMON, LIONEL, CH
- [72] BOLAND, ARNAUD, CH
- [73] SWISSTO12 SA, CH
- [85] 2021-09-14
- [86] 2020-04-09 (PCT/IB2020/053393)
- [87] (WO2020/208569)
- [30] FR (FR1903808) 2019-04-09

[11] **3,133,662**

[13] C

- [51] **Int.Cl. E21B 43/267 (2006.01) E21B 41/00 (2006.01) E21B 43/16 (2006.01)**
- [25] EN
- [54] **PROPPANT RAMP-UP FOR CLUSTER EFFICIENCY**
- [54] **RAMPE D'AGENT DE SOUTENEMENT POUR EFFICACITE DE GRAPPE**
- [72] MAGNESS, JEREMY BLAIR, US
- [72] MODELAND, NEIL, US
- [72] INYANG, UBONG, US
- [72] MAXEY, JASON ERIC, US
- [73] HALLIBURTON ENERGY SERVICES, INC., US
- [85] 2021-09-14
- [86] 2020-05-15 (PCT/US2020/033108)
- [87] (WO2020/256867)
- [30] US (16/447,608) 2019-06-20

Canadian Patents Issued
November 14, 2023

[11] **3,134,058**
[13] C
[51] **Int.Cl. E02F 9/26 (2006.01) G01C 15/00 (2006.01)**
[25] EN
[54] **MAP GENERATION SYSTEM AND MAP GENERATION METHOD**
[54] **SYSTEME ET PROCEDE DE GENERATION DE CARTE**
[72] TAKAHAMA, KAZUHISA, JP
[73] KOMATSU LTD., JP
[85] 2021-09-16
[86] 2020-05-26 (PCT/JP2020/020670)
[87] (WO2020/241618)
[30] JP (2019-103161) 2019-05-31

[11] **3,134,069**
[13] C
[51] **Int.Cl. A61B 34/20 (2016.01)**
[25] EN
[54] **METHOD AND SYSTEM OF DETERMINING OPERATION PATHWAY BASED ON IMAGE MATCHING**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UNE TRAJECTOIRE D'OPERATION FONDES SUR LA CORRESPONDANCE D'IMAGE**
[72] CHEN, CHIEH HSIAO, US
[72] WANG, KUAN JU, US
[73] BRAIN NAVI BIOTECHNOLOGY CO., LTD., CN
[85] 2021-09-17
[86] 2020-03-19 (PCT/CN2020/080194)
[87] (WO2020/187289)
[30] US (62/820,804) 2019-03-19

[11] **3,134,146**
[13] C
[51] **Int.Cl. E21B 47/10 (2012.01) E21B 47/02 (2006.01) E21B 47/04 (2012.01) E21B 47/12 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RADAR DETECTION**
[54] **SYSTEMES ET PROCEDES DE DETECTION RADAR**
[72] RIVERO, CARLOS FELIPE, US
[72] HE, ZHI YONG, US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2021-09-17
[86] 2020-03-30 (PCT/US2020/025667)
[87] (WO2020/205709)
[30] US (62/828,180) 2019-04-02
[30] US (16/815,878) 2020-03-11

[11] **3,135,893**
[13] C
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/00 (2006.01) A61K 31/05 (2006.01) A61K 47/14 (2017.01)**
[25] EN
[54] **CANNABIS EXTRACTS AND METHODS OF PREPARING AND USING SAME**
[54] **EXTRAITS DE CANNABIS ET PROCEDES DE PREPARATION ET D'UTILISATION**
[72] VERZURA, TONY, US
[72] BLACKMON, EARNIE, US
[73] UNITED CANNABIS CORP., US
[86] (3135893)
[87] (3135893)
[22] 2015-10-21
[62] 2,965,493
[30] US (62/066,795) 2014-10-21
[30] US (62/068,278) 2014-10-24

[11] **3,135,949**
[13] C
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 3/00 (2006.01) C22B 3/20 (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] **PROCESS FOR THE RECOVERY OF CATHODE MATERIALS IN THE RECYCLING OF BATTERIES**
[54] **PROCEDE DE RECUPERATION DE MATERIAUX DE CATHODE DANS LE RECYCLAGE DE BATTERIES**
[72] ALEMRAJABI, MAHMOOD, SE
[72] KARLSSON, INGRID, SE
[72] SJODAHL, RAGNAR, SE
[72] NEHRENHEIM, EMMA, SE
[72] PETRANIKOVA, MARTINA, SE
[72] TUNSU, CRISTIAN, SE
[73] NORTHVOLT AB, SE
[85] 2021-10-04
[86] 2020-04-14 (PCT/EP2020/060487)
[87] (WO2020/212363)
[30] SE (1950468-7) 2019-04-15

[11] **3,136,782**
[13] C
[51] **Int.Cl. A47F 10/06 (2006.01) A47C 1/00 (2006.01) E04H 3/02 (2006.01) E04H 3/10 (2006.01) E04H 3/24 (2006.01) E04H 3/30 (2006.01) E04H 14/00 (2006.01)**
[25] EN
[54] **EVENT SYSTEM**
[54] **SYSTEME POUR EVENEMENTS**
[72] BURGER, GUNTER, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2021-10-13
[86] 2020-05-14 (PCT/EP2020/063557)
[87] (WO2020/229640)
[30] DE (10 2019 113 013.1) 2019-05-16

[11] **3,136,897**
[13] C
[51] **Int.Cl. B25B 27/02 (2006.01)**
[25] EN
[54] **PULLER**
[54] **EXTRACTEUR**
[72] CHEN, YI-FANG, CN
[72] CHEN, WEI-LI, CN
[73] CHEN, YI-FANG, TW
[73] CHEN, WEI-LI, TW
[86] (3136897)
[87] (3136897)
[22] 2021-11-02
[30] TW (109140259) 2020-11-18

[11] **3,137,725**
[13] C
[51] **Int.Cl. A41D 27/20 (2006.01)**
[25] EN
[54] **GARMENT POCKET AND METHOD OF MAKING SAME**
[54] **POCHE DE VETEMENT ET SON PROCEDE DE FABRICATION**
[72] COUTELIN, DOREEN, US
[73] COUTELIN, DOREEN, US
[85] 2021-10-21
[86] 2020-04-22 (PCT/US2020/029222)
[87] (WO2020/219491)
[30] US (62/837,949) 2019-04-24
[30] US (16/854,187) 2020-04-21

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,137,949**

[13] C

- [51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **AT-BIT SENSING OF ROCK LITHOLOGY**
[54] **DETECTION AU NIVEAU DU TREPAN DE LITHOLOGIE DE ROCHE**
[72] HARVEY, PETER R., US
[73] HARVEY, PETER R., US
[85] 2021-10-25
[86] 2020-04-22 (PCT/US2020/029245)
[87] (WO2020/223073)
[30] US (62/839,900) 2019-04-29

[11] **3,138,404**

[13] C

- [51] **Int.Cl. F28D 5/02 (2006.01)**
[25] EN
[54] **FLASH CLOSED HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR FERME A EVAPORATION**
[72] YANG, JIANGUO, CN
[72] ZHOU, CHENGJUN, CN
[72] KANG, JIANHUI, CN
[72] XIE, WEIBO, CN
[72] CAO, WENJIE, CN
[72] MAO, TONGQIN, CN
[72] ZHAO, HUI, CN
[72] HAO, LIXUAN, CN
[73] JINGKELUN REFRIGERATION EQUIPMENT CO., LTD., CN
[85] 2021-10-28
[86] 2020-04-16 (PCT/CN2020/085059)
[87] (WO2020/228474)
[30] CN (201910407748.6) 2019-05-16
[30] CN (201910663396.0) 2019-07-22

[11] **3,139,260**

[13] C

- [51] **Int.Cl. B62D 25/02 (2006.01) B60K 1/04 (2019.01) B62D 21/15 (2006.01)**
[25] EN
[54] **SIDE SILL PART FOR AN AUTOMOTIVE VEHICLE**
[54] **PARTIE DE LONGERON LATERAL POUR VEHICULE AUTOMOBILE**
[72] GIBEAU, ELIE, FR
[72] BARDIN, KEVIN, FR
[72] SOTTY, ALEXANDRE, FR
[72] SCHNEIDER, NICOLAS, FR
[73] ARCELORMITTAL, LU
[85] 2021-11-04
[86] 2020-05-07 (PCT/IB2020/054341)
[87] (WO2020/225766)
[30] IB (PCT/IB2019/053732) 2019-05-07

[11] **3,141,403**

[13] C

- [51] **Int.Cl. E06B 5/20 (2006.01)**
[25] EN
[54] **COMPOSITE ALUMINUM ALLOY PROFILE AND PREPARATION METHOD THEREFOR**
[54] **PROFIL D'ALLIAGE D'ALUMINIUM COMPOSITE ET SON PROCEDE DE PREPARATION**
[72] JIAO, ZHENQING, CN
[73] GUANGDONG XIN MING GE ARCHITECTURAL MATERIALS TECHNOLOGY CO., LTD., CN
[85] 2021-12-10
[86] 2020-05-20 (PCT/CN2020/091390)
[87] (WO2020/259142)
[30] CN (201910577807.4) 2019-06-28

[11] **3,141,875**

[13] C

- [51] **Int.Cl. A61B 5/087 (2006.01) A61B 5/00 (2006.01) A61B 5/097 (2006.01)**
[25] EN
[54] **NASAL AND ORAL RESPIRATION SENSOR**
[54] **CAPTEUR DE RESPIRATION NASALE ET BUCCALE**
[72] HAVERI, HEIKKI, FI
[72] RANTA, JANNE, FI
[73] SUNMED GROUP HOLDINGS, LLC, US
[85] 2021-11-24
[86] 2020-06-10 (PCT/US2020/037060)
[87] (WO2020/252070)
[30] US (16/438,410) 2019-06-11

[11] **3,142,360**

[13] C

- [51] **Int.Cl. C07D 403/12 (2006.01) A61P 29/00 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 417/12 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUND AS RIP-1 KINASE INHIBITOR AND APPLICATION THEREOF**
[54] **COMPOSE BICYCLIQUE EN TANT QU'INHIBITEUR DE LA KINASE RIP-1 ET SON APPLICATION**
[72] WEI, WEI, CN
[72] LI, PENG, CN
[72] HE, HAIYING, CN
[72] CHEN, SHUHUI, CN
[73] MEDSHINE DISCOVERY INC., CN
[85] 2021-11-30
[86] 2020-05-29 (PCT/CN2020/093280)
[87] (WO2020/239074)
[30] CN (201910471672.3) 2019-05-31
[30] CN (201911089490.6) 2019-11-08
[30] CN (202010432710.7) 2020-05-20

[11] **3,148,679**

[13] C

- [51] **Int.Cl. C12C 11/11 (2019.01) C12G 3/08 (2006.01) C12H 1/07 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING ULTRA-HIGH GRAVITY ALCOHOLIC BEVERAGES USING AN ENHANCED DRAW SOLUTION**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE BOISSONS ALCOOLISEES A DENSITE ULTRA-ELEVEE A L'AIDE D'UNE SOLUTION D'EXTRACTION AMELIOREE**
[72] HAVEL, FREDERIK, CA
[72] DURKEE, DAVID, US
[73] PORIFERA, INC., US
[85] 2022-02-18
[86] 2020-08-21 (PCT/US2020/047305)
[87] (WO2021/041174)
[30] US (62/894,108) 2019-08-30

**Canadian Patents Issued
November 14, 2023**

[11] **3,149,384**
[13] C

[51] **Int.Cl. E21D 9/00 (2006.01) E21D 9/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF CONSTRUCTING AN UNDERGROUND TUNNEL**
[54] **METHODE ET SYSTEME DE CONSTRUCTION D'UN TUNNEL SOUTERRAIN**
[72] JORDAN, STEPHEN, GB
[73] HYPERTUNNEL LIMITED, GB
[86] (3149384)
[87] (3149384)
[22] 2020-03-20
[62] 3,133,618
[30] GB (1903979.1) 2019-03-22

[11] **3,150,046**
[13] C

[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **HUMANIZED ANTI-VEGF FAB ANTIBODY FRAGMENT AND USE THEREOF**
[54] **FRAGMENT D'ANTICORPS FAB ANTI-VEGF HUMANISE ET SON UTILISATION**
[72] XIE, LIANGZHI, CN
[72] SUN, CHUNYUN, CN
[72] ZHAO, JUN, CN
[72] KONG, DESHENG, CN
[73] SINOCELLTECH LTD, CN
[85] 2022-01-19
[86] 2020-07-17 (PCT/CN2020/102560)
[87] (WO2021/013065)
[30] CN (201910657311.8) 2019-07-19

[11] **3,152,738**
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **DEVICES FOR TRANSCATHETER CHORDAL IMPLANTATION AND METHODS OF IMPLANTATION**
[54] **DISPOSITIFS D'IMPLANTATION DE CORDAGES PAR TRANSCATHETER ET PROCEDES D'IMPLANTATION**
[72] LIAO, YENCHIN, US
[72] SARABIA, JAIME EDUARDO, US
[72] RASCHDORF, ALFRED, US
[72] RAJAGOPAL, VIVEK, US
[73] OPUS MEDICAL THERAPIES, LLC, US
[85] 2022-03-28
[86] 2020-10-09 (PCT/US2020/054983)
[87] (WO2021/072193)
[30] US (62/914,357) 2019-10-11

[11] **3,153,170**
[13] C

[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 4/131 (2010.01) H01M 10/0569 (2010.01)**
[25] EN
[54] **ELECTROLYTE FORMULATIONS FOR ELECTROCHEMICAL DEVICE**
[54] **FORMULATIONS ELECTROLYTIQUES POUR DISPOSITIF ELECTROCHIMIQUE**
[72] RUSTOMJI, CYRUS S., US
[72] LEE, JUNGWOO, US
[72] ROYER, JAMES, US
[73] SOUTH 8 TECHNOLOGIES, INC., US
[85] 2022-03-30
[86] 2020-08-30 (PCT/US2020/048660)
[87] (WO2021/066975)
[30] US (62/908,515) 2019-09-30
[30] US (62/911,505) 2019-10-07
[30] US (62/911,508) 2019-10-07

[11] **3,154,237**
[13] C

[51] **Int.Cl. E21C 29/26 (2006.01) F15B 11/16 (2006.01)**
[25] EN
[54] **MINING OR CONSTRUCTION VEHICLE**
[54] **VEHICULE D'EXPLOITATION MINIERE OU DE CONSTRUCTION**
[72] SJOHOLM, OSKAR, SE
[72] ANDERSSON, FREDRIK A, SE
[72] KUMLIN, PER-ANDERS, SE
[72] ALMQVIST, MARCUS, SE
[73] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[86] (3154237)
[87] (3154237)
[22] 2018-06-11
[62] 3,072,649
[30] SE (1751089-2) 2017-09-08

[11] **3,155,737**
[13] C

[51] **Int.Cl. B65G 1/137 (2006.01) B07C 5/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING FOR THE PROCESSING OF OBJECTS IN VEHICLES**
[54] **SYSTEMES ET PROCEDES POUR PERMETTRE LE TRAITEMENT D'OBJETS DANS DES VEHICULES**
[72] AHEARN, KEVIN, US
[72] ALLEN, THOMAS, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] WAGNER, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[86] (3155737)
[87] (3155737)
[22] 2017-12-06
[62] 3,045,522
[30] US (62/430,664) 2016-12-06

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,155,948**
[13] C

- [51] **Int.Cl. A47F 7/14 (2006.01) A47F 5/01 (2006.01)**
[25] EN
[54] **CASH WRAP GREETING CARD DISPLAY**
[54] **PRESENTOIR DE CARTES-CADEAUX AVEC EMBALLAGE COMPRIS DANS LE PAIEMENT**
[72] SANTARELLI, ANTHONY, US
[73] AMERICAN GREETINGS CORPORATION, US
[86] (3155948)
[87] (3155948)
[22] 2020-08-14
[62] 3,090,093
[30] US (62/887,839) 2019-08-16
[30] US (16/993,655) 2020-08-14

[11] **3,157,043**
[13] C

- [51] **Int.Cl. A63B 21/02 (2006.01) A63B 5/20 (2006.01) A63B 21/055 (2006.01)**
[25] EN
[54] **DYNAMIC TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT DYNAMIQUE**
[72] WECK, DAVID S., US
[72] SHANNON, MARTY, US
[73] BOSU FITNESS, LLC, US
[86] (3157043)
[87] (3157043)
[22] 2022-04-22
[30] US (17/243,014) 2021-04-28

[11] **3,158,859**
[13] C

- [51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/20 (2006.01)**
[25] EN
[54] **SEISMIC DATA ACQUISITION USING DESIGNED NON-UNIFORM RECEIVER SPACING**
[54] **OBTENTION DE DONNEES SISMIQUES AU MOYEN D'UN ESPACEMENT DE RECEPTEUR NON UNIFORME DE CONCEPTION**
[72] EICK, PETER M., US
[72] BREWER, JOEL D., US
[73] SHEARWATER GEOSERVICES SOFTWARE INC., US
[86] (3158859)
[87] (3158859)
[22] 2011-06-08
[62] 3,092,055
[30] US (61/353,095) 2010-06-09
[30] US (61/353,089) 2010-06-09

[11] **3,158,934**
[13] C

- [25] EN
[54] **METHODS AND SYSTEMS FOR TIME-EFFICIENT SEISMIC PROSPECTING**
[54] **PROCEDES ET SYSTEMES DE PROSPECTION SISMIQUE A TEMPS OPTIMISE**
[72] AI, HUA, CA
[72] SELVAKUMAR, ARJUN, US
[73] INOVA LTD., KY
[85] 2022-05-19
[86] 2020-11-23 (PCT/US2020/061795)
[87] (WO2021/102409)
[30] US (62/939,095) 2019-11-22

[11] **3,161,084**
[13] C

- [51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/26 (2006.01)**
[25] EN
[54] **METHOD FOR DRYING COMPRESSED GAS**
[54] **PROCEDE DE SECHAGE D'UN GAZ COMPRIME**
[72] HERMANS, HANS MARIA KAREL, BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2022-06-07
[86] 2020-12-28 (PCT/IB2020/062471)
[87] (WO2021/137127)
[30] BE (2020/5000) 2020-01-02

[11] **3,161,890**
[13] C

- [51] **Int.Cl. B63B 22/20 (2006.01) B63B 22/12 (2006.01) E21B 49/08 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR PROVIDING VARIABLE BUOYANCY TO A DEVICE**
[54] **TECHNIQUES DESTINEES A CONFERER UNE FLOTTABILITE VARIABLE A UN DISPOSITIF**
[72] CARDENAS, ROBERT LEE, US
[72] CONRY, MICHAEL, US
[72] RUFO, MICHAEL, US
[72] SCRIMGEOUR, TODD, US
[73] BOSTON ENGINEERING CORPORATION, US
[85] 2022-06-14
[86] 2020-12-15 (PCT/US2020/065098)
[87] (WO2021/126836)
[30] US (62/948,514) 2019-12-16
[30] US (62/959,513) 2020-01-10

[11] **3,163,109**
[13] C

- [51] **Int.Cl. B64D 47/00 (2006.01) B64C 11/00 (2006.01) B64D 33/08 (2006.01)**
[25] FR
[54] **AIRCRAFT EQUIPPED WITH COOLING SYSTEM FOR ONBOARD FUEL BATTERY**
[54] **AERONEF MUNI D'UN SYSTEME DE REFROIDISSEMENT POUR UNE PILE A COMBUSTIBLE EMBARQUEE**
[72] GARCIN, PATRICE, FR
[72] SERR, CHRISTOPHE, FR
[73] AIRBUS HELICOPTERS, FR
[86] (3163109)
[87] (3163109)
[22] 2022-06-16
[30] FR (2111483) 2021-10-28

[11] **3,174,322**
[13] C

- [51] **Int.Cl. A41F 9/00 (2006.01)**
[25] EN
[54] **PROTECTIVE BELT APPARATUS**
[54] **APPAREIL DE TYPE CEINTURE DE PROTECTION**
[72] BRIGGS, LEONARD C., US
[72] RAYCHAUDHURI, KAMAL K., US
[72] FATEHI, MOHAMMAD T., US
[73] BRIGGS BELT SYSTEMS, LLC, US
[85] 2022-09-29
[86] 2020-07-17 (PCT/US2020/042535)
[87] (WO2021/206743)
[30] US (16/844,045) 2020-04-09

[11] **3,176,832**
[13] C

- [51] **Int.Cl. A61L 15/20 (2006.01)**
[25] EN
[54] **ABSORBENT PRODUCTS FOR ARTICLES OF CLOTHING**
[54] **INSERTS ABSORBANTS POUR ARTICLES VESTIMENTAIRES**
[72] LEDUC, STEVE, CA
[72] THEBERGE, FANNY-MAUDE, CA
[73] BOUTIQUE LA VIE EN ROSE INC., CA
[86] (3176832)
[87] (3176832)
[22] 2017-08-28
[62] 3,035,395
[30] US (62/494,939) 2016-08-29
[30] US (62/477,654) 2017-03-28

**Canadian Patents Issued
November 14, 2023**

[11] **3,178,744**
[13] C

[51] **Int.Cl. C07H 5/06 (2006.01) C07H 3/06 (2006.01) C07H 13/04 (2006.01) C12P 19/18 (2006.01) C12P 19/26 (2006.01)**

[25] EN

[54] **FUCOSYLATED OLIGOSACCHARIDES FOR PREVENTION OF CORONAVIRUS INFECTION**

[54] **OLIGOSACCHARIDES FUCOSYLES POUR LA PREVENTION D'UNE INFECTION A CORONAVIRUS**

[72] MORROW, ARDYTHE L., US

[72] NEWBURG, DAVID S., US

[72] MCCOY, JOHN M., US

[73] GLYCOSYN LLC, US

[85] 2022-11-14

[86] 2021-05-13 (PCT/US2021/032283)

[87] (WO2021/231751)

[30] US (63/024,464) 2020-05-13

[11] **3,186,210**
[13] C

[51] **Int.Cl. B62M 6/45 (2010.01) B62M 6/70 (2010.01) B62M 13/00 (2010.01)**

[25] EN

[54] **ELECTRIC BICYCLE CONVERSION KITS**

[54] **TROUSSES DE CONVERSION DE VELO EN VELO ELECTRIQUE**

[72] NELSON, LIAM, CA

[73] BIKEFIN EBIKE INC., CA

[86] (3186210)

[87] (3186210)

[22] 2023-01-10

[11] **3,191,692**
[13] C

[51] **Int.Cl. E21B 19/16 (2006.01) E21B 3/02 (2006.01)**

[25] EN

[54] **VARIABLE-LENGTH AXIAL LINKAGE FOR TUBULAR RUNNING TOOLS**

[54] **LIAISON AXIALE A LONGUEUR VARIABLE POUR OUTILS DE POSE TUBULAIRES**

[72] SLACK, MAURICE WILLIAM, CA

[73] NOETIC TECHNOLOGIES INC., CA

[85] 2023-03-05

[86] 2021-10-26 (PCT/CA2021/000096)

[87] (WO2022/087707)

[30] US (63/105,786) 2020-10-26

[30] US (63/235,650) 2021-08-20

[11] **3,194,921**
[13] C

[51] **Int.Cl. A01N 61/00 (2006.01) A01N 65/06 (2009.01) A01P 7/04 (2006.01)**

[25] EN

[54] **AN INSECTICIDAL COMPOSITION BASED ON SAPONIFIED TALL OIL AND METHOD FOR PRODUCTION THEREOF**

[54] **COMPOSITION INSECTICIDE A BASE DE TALL-OIL SAPONIFIE ET SON PROCEDURE DE PRODUCTION**

[72] WAAG, AKE, SE

[73] INNOVATIVE GREEN SOLUTIONS SVERIGE AB, SE

[85] 2023-03-09

[86] 2021-10-29 (PCT/EP2021/080167)

[87] (WO2022/090489)

[30] EP (20204821.1) 2020-10-30

[30] SE (2051263-8) 2020-10-30

[11] **3,196,713**
[13] C

[51] **Int.Cl. G05B 13/02 (2006.01) G05B 13/04 (2006.01) G05B 19/02 (2006.01) G06T 1/00 (2006.01) G06T 5/50 (2006.01) G06T 7/60 (2017.01)**

[25] EN

[54] **CRITICAL COMPONENT DETECTION USING DEEP LEARNING AND ATTENTION**

[54] **DETECTION DE COMPOSANT CRITIQUE A L'AIDE D'UN APPRENTISSAGE PROFOND ET D'UNE PROFONDE ATTENTION**

[72] IANNI, JULIANNA, US

[72] SOANS, RAJATH ELIAS, US

[72] AYYAGARI, KAMESWARI DEVI, US

[72] KOHN, SAUL, US

[73] PROSCIA INC., US

[85] 2023-03-23

[86] 2021-09-22 (PCT/US2021/051506)

[87] (WO2022/066736)

[30] US (63/082,125) 2020-09-23

[11] **3,196,713**
[13] C

[51] **Int.Cl. G05B 13/02 (2006.01) G05B 13/04 (2006.01) G05B 19/02 (2006.01) G06T 1/00 (2006.01) G06T 5/50 (2006.01) G06T 7/60 (2017.01)**

[25] EN

[54] **CRITICAL COMPONENT DETECTION USING DEEP LEARNING AND ATTENTION**

[54] **DETECTION DE COMPOSANT CRITIQUE A L'AIDE D'UN APPRENTISSAGE PROFOND ET D'UNE PROFONDE ATTENTION**

[72] IANNI, JULIANNA, US

[72] SOANS, RAJATH ELIAS, US

[72] AYYAGARI, KAMESWARI DEVI, US

[72] KOHN, SAUL, US

[73] PROSCIA INC., US

[85] 2023-03-23

[86] 2021-09-22 (PCT/US2021/051506)

[87] (WO2022/066736)

[30] US (63/082,125) 2020-09-23

[11] **3,200,304**
[13] C

[51] **Int.Cl. G04G 7/00 (2006.01) G06F 1/12 (2006.01) B60W 60/00 (2020.01)**

[25] EN

[54] **CLOCK SYNCHRONISATION**

[54] **SYNCHRONISATION D'HORLOGE**

[72] CATT, GAVIN, AU

[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU

[86] (3200304)

[87] (3200304)

[22] 2023-05-24

[30] AU (2022901753) 2022-06-24

[30] AU (2023200522) 2023-02-01

[11] **3,201,255**
[13] C

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) C07K 14/705 (2006.01)**

[25] EN

[54] **CHIMERIC ANTIGEN RECEPTOR COMPRISING ANTI-MESOTHELIN SCFV, AND USE THEREOF**

[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE COMPRENANT UN SCFV ANTI-MESOTHELIN, ET SON UTILISATION**

[72] AN, JAE HYUNG, KR

[72] HAN, NA KYUNG, KR

[73] CELLENGENE INC, KR

[85] 2023-06-05

[86] 2022-05-25 (PCT/KR2022/007425)

[87] (WO2022/250450)

[30] KR (10-2021-0067904) 2021-05-26

[11] **3,202,919**
[13] C

[51] **Int.Cl. G06F 40/284 (2020.01) G06F 40/30 (2020.01) G06N 5/04 (2023.01)**

[25] EN

[54] **FLUX SENSING SYSTEM**

[54] **SYSTEME DE DETECTION DE FLUX**

[72] CRISTACHE, LUCIAN, US

[73] LUCOMM TECHNOLOGIES, INC., US

[85] 2023-06-20

[86] 2021-12-23 (PCT/US2021/073096)

[87] (WO2022/140794)

[30] US (17/133,567) 2020-12-23

[30] US (17/201,458) 2021-03-15

**Brevets canadiens délivrés
14 novembre 2023**

[11] **3,203,444**

[13] C

[51] **Int.Cl. H01L 31/02 (2006.01) H01L
31/0216 (2014.01) H01L 31/0224
(2006.01) H01L 31/04 (2014.01) H01L
31/18 (2006.01)**

[25] EN

[54] **A SOLAR CELL COMPRISING A
PLURALITY OF POROUS LAYERS
AND CHARGE CONDUCTING
MEDIUM PENETRATING THE
POROUS LAYERS**

[54] **CELLULE SOLAIRE
COMPRENANT UNE PLURALITE
DE COUCHES POREUSES ET
MILIEU CONDUCTEUR DE
CHARGE PENETRANT DANS LES
COUCHES POREUSES**

[72] LINDSTROM, HENRIK, SE

[72] FILI, GIOVANNI, SE

[73] EXEGER OPERATIONS AB, SE

[85] 2023-06-26

[86] 2022-03-08 (PCT/EP2022/055892)

[87] (WO2022/194618)

[30] EP (21163437.3) 2021-03-18

Canadian Applications Open to Public Inspection

October 29, 2023 to November 4, 2023

Demandes canadiennes mises à la disponibilité du public

29 octobre 2023 au 4 novembre 2023

[21] **3,157,018**
[13] A1
[51] **Int.Cl. B05B 12/00 (2018.01) B05B 7/26 (2006.01)**
[25] EN
[54] **FOAM SPRAYER**
[54] **PULVERISATEUR DE MOUSSE**
[72] KOYA, ABDUL HALEEM AHAMED, CA
[72] PUODZIUNAS, ARAS, CA
[72] MONK, EDMOND, CA
[72] SCHMIDER, JOHN PAUL, CA
[72] GREEN, DAVID, CA
[71] CANADIAN TIRE CORPORATION LIMITED, CA
[22] 2022-04-29
[41] 2023-10-29

[21] **3,157,044**
[13] A1
[51] **Int.Cl. B25B 7/22 (2006.01) B25B 7/02 (2006.01) B25B 7/10 (2006.01) B25B 7/14 (2006.01)**
[25] EN
[54] **OIL FILTER REMOVAL TOOL**
[54] **EXTRACTEUR DE FILTRE A HUILE**
[72] SCHMIDER, JOHN PAUL, CA
[72] MOK, EDMOND, CA
[72] PUODZINUAS, ARAS, CA
[72] KOYA, ABDUL HALEEM AHAMED, CA
[72] TALLON, PATRICK, CA
[72] GREEN, DAVID, CA
[71] CANADIAN TIRE CORPORATION, LIMITED, CA
[22] 2022-04-29
[41] 2023-10-29

[21] **3,157,154**
[13] A1
[51] **Int.Cl. A63F 3/00 (2006.01)**
[25] EN
[54] **SCRAMBLE GAME**
[54] **SCRAMBLE (JEU)**
[72] MURARU, ION, CA
[71] MURARU, ION, CA
[22] 2022-05-04
[41] 2023-11-04

[21] **3,157,157**
[13] A1
[51] **Int.Cl. H02G 1/02 (2006.01) H02G 7/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR INSTALLING SPACERS ON SPANS OF WIRE**
[54] **APPAREIL ET METHODE POUR INSTALLER DES SEPARATEURS SUR LES LONGUEURS DE FIL**
[72] CLARKE, DANIEL JOHN, CA
[71] FT HOLDINGS INC., CA
[22] 2022-05-02
[41] 2023-11-02

[21] **3,157,183**
[13] A1
[51] **Int.Cl. G06Q 50/18 (2012.01)**
[25] EN
[54] **LEGAL EXAMINATION AND PRACTICE METHOD**
[54] **METHODE D'EXAMEN ET DE PRATIQUE JURIDIQUE**
[72] NINHAM, HARLEY, CA
[71] NINHAM, HARLEY, CA
[22] 2022-05-02
[41] 2023-10-29
[30] US (17/661,330) 2022-04-29

[21] **3,157,187**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) F24B 1/195 (2006.01)**
[25] EN
[54] **HEAT DEFLECTION APPARATUS FOR GRILLS**
[54] **APPAREIL DE DEFLEXION DE LA CHALEUR POUR BARBECUES**
[72] HARRIS, EDWARD, CA
[72] RONDEAU-HARRIS, GLORIA, CA
[71] HARRIS, EDWARD, CA
[71] RONDEAU-HARRIS, GLORIA, CA
[22] 2022-05-02
[41] 2023-10-29
[30] US (17/661,343) 2022-04-29

[21] **3,157,198**
[13] A1
[51] **Int.Cl. A01B 29/04 (2006.01) A01G 20/35 (2018.01) E01C 19/23 (2006.01)**
[25] EN
[54] **LAND ROLLER WITH REPLACEABLE CHOPPING BLADES**
[54] **ROULEAU BRISE-MOTTES A LAMES DE HACHAGE REMPLACABLES**
[72] GRASS, MARTIN, CA
[72] BERG, WALDEMAR, CA
[72] REDEKOP, JOHAN, CA
[71] J A REDEKOP HOLDINGS LTD., CA
[22] 2022-05-03
[41] 2023-11-03

[21] **3,157,513**
[13] A1
[51] **Int.Cl. B05C 17/005 (2006.01) B05C 21/00 (2006.01)**
[25] EN
[54] **UNIVERSAL CAULKING GUN, CONVERSION KIT, AND METHOD CONVERTING A STANDARD CAULKING GUN INTO A UNIVERSAL CAULKING GUN**
[54] **PISTOLET A CALFEUTRER UNIVERSEL, TROUSSE DE CONVERSION ET METHODE DE CONVERSION D'UN PISTOLET A CALFEUTRER NORMAL EN UN PISTOLET A CALFEUTRER UNIVERSEL**
[72] EFFLER, JASON JOHN WILLIAM, CA
[71] EFFLER, JASON JOHN WILLIAM, CA
[22] 2022-05-04
[41] 2023-11-04

Demandes canadiennes mises à la disponibilité du public
29 octobre 2023 au 4 novembre 2023

[21] **3,157,566**
[13] A1

[51] **Int.Cl. B60S 1/32 (2006.01) B60S 1/38 (2006.01)**
[25] EN
[54] **NO TITLE SPECIFIED**
[54] **AUCUN TITRE SPECIFIE**
[72] CHANG, CHE-WEI, CN
[72] YANG, CHENG-KAI, CN
[72] CHANG, CHUAN-CHIH, CN
[71] DANYANG UPC AUTO PARTS CO., LTD., CN
[22] 2022-05-04
[41] 2023-11-04

[21] **3,157,587**
[13] A1

[51] **Int.Cl. H99Z 99/00 (2006.01) H02J 50/10 (2016.01) H05B 45/30 (2020.01) G02B 27/10 (2006.01) G06K 19/07 (2006.01) H01Q 7/00 (2006.01) H05K 1/18 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **VEHICLE-SHAPED LIGHT-EMITTING SENSING DEVICE**
[54] **DISPOSITIF DE DETECTION A EMISSION DE LUMIERE EN FORME DE VEHICULE**
[72] HUANG, WEN-HSIEN, TW
[72] LIU, CHI-KUANG, TW
[72] LIN, SHIH-TSUNG, TW
[72] CHEN, TAI-YI, TW
[71] FOONGTONE TECHNOLOGY CO., LTD, TW
[22] 2022-05-04
[41] 2023-11-04

[21] **3,157,699**
[13] A1

[51] **Int.Cl. F24H 3/00 (2006.01) F24H 9/1877 (2022.01) F24D 5/00 (2022.01) F24F 6/00 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR COMBUSTING HYDROGEN AND RECYCLING COMBUSTION PRODUCTS**
[54] **PROCEDE ET APPAREIL POUR LA COMBUSTION D'HYDROGENE ET LE RECYCLAGE DE PRODUITS DE COMBUSTION**
[72] FAIRFULL, THOMAS, CA
[72] SOLIMAN, SAM, CA
[71] KLEEN HY-DRO-GEN INC., CA
[22] 2022-05-04
[41] 2023-11-04

[21] **3,157,759**
[13] A1

[51] **Int.Cl. A23F 5/14 (2006.01) A23L 33/125 (2016.01) A23L 33/17 (2016.01) A23L 33/19 (2016.01) A23F 5/00 (2006.01)**
[25] EN
[54] **APPETITE SUPPRESSANT AND METHOD OF USE**
[54] **ANOREXIGENES ET METHODE D'UTILISATION**
[72] BONO, TERESA, CA
[71] BONO, TERESA, CA
[22] 2022-04-29
[41] 2023-10-29
[30] US (17/732,831) 2022-04-29

[21] **3,157,810**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/08 (2006.01) C07K 14/11 (2006.01) C07K 14/165 (2006.01) C07K 14/39 (2006.01) C07K 14/395 (2006.01) C07K 16/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **VACCINES AGAINST CORONAVIRUSES**
[54] **VACCINS CONTRE LES CORONAVIRUS**
[72] DORMESHKIN, DMITRI, BY
[72] MELESHKO, ALEXANDER, BY
[72] KATSIN, MIKALAI, BY
[71] DORMESHKIN, DMITRI, BY
[71] MELESHKO, ALEXANDER, BY
[71] KATSIN, MIKALAI, BY
[22] 2022-04-29
[41] 2023-10-29

[21] **3,157,857**
[13] A1

[51] **Int.Cl. A01K 47/06 (2006.01)**
[25] EN
[54] **INCUBATION TRAY FOR BEES**
[54] **PLATEAU D'INCUBATION POUR ABEILLES**
[72] TORRIE, DAVID, CA
[72] MADAN, MICHAEL K., CA
[71] TORRIE, DAVID, CA
[71] MADAN, MICHAEL K., CA
[22] 2022-05-02
[41] 2023-11-02

[21] **3,158,027**
[13] A1

[51] **Int.Cl. H01L 21/56 (2006.01) H01L 21/02 (2006.01) H01L 21/34 (2006.01) H01L 23/29 (2006.01) H01L 23/373 (2006.01) H01L 29/78 (2006.01)**
[25] EN
[54] **SILVER SINTERED MOLYBDENUM (SSM) PACKAGING FOR POWER SEMICONDUCTOR DEVICES AND A METHOD OF MANUFACTURING THEREOF**
[54] **ENVELOPPE DE MOLYBDENE FRITTE A L'ARGENT (SSM) POUR DESS DISPOSITIFS A SEMICONDUCTEURS DE PUISSANCE ET METHODE DE FABRICATION**
[72] YANG, YUHANG, CA
[72] EMADI, ALI, CA
[71] MCMMASTER UNIVERSITY, CA
[22] 2022-05-02
[41] 2023-11-02

[21] **3,158,032**
[13] A1

[51] **Int.Cl. H02J 7/35 (2006.01) H04W 84/18 (2009.01) G06Q 20/32 (2012.01) H02S 10/20 (2014.01) H02S 10/40 (2014.01) E05B 47/00 (2006.01) G03B 29/00 (2021.01) G04G 17/00 (2013.01) G04G 19/00 (2006.01) H04N 5/30 (2006.01)**
[25] EN
[54] **SOLAR ENERGY CHARGING WATCH AND ELECTRONIC KEY DEVICE AND OPERATING SYSTEMS THEREOF**
[54] **MONTRE RECHARGEE A L'ENERGIE SOLAIRE ET DISPOSITIF DE CLE ELECTRONIQUE, ET SYSTEMES D'EXPLOITATION**
[72] SEDGWICK, DEREK JOSE GALINDO, CA
[71] SEDGWICK, DEREK JOSE GALINDO, CA
[22] 2022-05-02
[41] 2023-11-02

**Canadian Applications Open to Public Inspection
October 29, 2023 to November 4, 2023**

[21] **3,158,543**
[13] A1

[51] **Int.Cl. A41C 1/00 (2006.01) A41D 1/22 (2018.01) A41D 7/00 (2006.01) A61F 5/02 (2006.01) A61F 5/37 (2006.01)**

[25] EN
[54] **BODY SCULPTING GARMENT**
[54] **VETEMENT SCULPTANT**
[72] SHAMS, LEILA, US
[71] SHAMS, LEILA, US
[22] 2022-05-05
[41] 2023-11-04
[30] US (17/736969) 2022-05-04

[21] **3,160,382**
[13] A1

[51] **Int.Cl. H02K 11/04 (2016.01) F03B 13/10 (2006.01) F03B 13/12 (2006.01)**

[25] EN
[54] **A METHOD OF INTEGRATING A GENERATOR AND ACTIVE RECTIFIER FOR USE WITH A WATER-BASED ENERGY CAPTURING DEVICE TO INCREASE ELECTRICAL TRANSMISSION EFFICIENCY AND PERFORMANCE**
[54] **METHODE D'INTEGRATION D'UNE GENERATRICE ET REDRESSEUR ACTIF A UTILISER AVEC UN DISPOSITIF DE RECOLTE D'ENERGIE A BASE D'EAU POUR ACCROITRE L'EFFICACITE ET LE RENDEMENT DE TRANSMISSION ELECTRIQUE**
[72] NEUFELD, DEREK, CA
[72] TESSIER, LYNN, CA
[72] LEE, TOWNES, CA
[71] DRAGON ENGINEERING LTD, CA
[22] 2022-04-29
[41] 2023-10-29

[21] **3,160,499**
[13] A1

[51] **Int.Cl. A01B 39/18 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01)**

[25] EN
[54] **AUTONOMOUS DETECTION AND REMOVAL OF DANDELIONS AND WEEDS WITHOUT USE OF HARMFUL CHEMICALS**
[54] **DETECTION ET ELIMINATION AUTONOMES DES PISSENLITS ET DES MAUVAISES HERBES SANS UTILISER DE PRODUITS CHIMIQUES NOCIFES**
[72] JANTZI, HUDSON, CA
[71] JANTZI, HUDSON, CA
[22] 2022-05-26
[41] 2023-11-04
[30] US (17736727) 2022-05-04

[21] **3,160,776**
[13] A1

[51] **Int.Cl. B65G 47/52 (2006.01) B07C 5/34 (2006.01) B65G 1/00 (2006.01)**

[25] EN
[54] **AUTOMATED SORTING AND PACKING SYSTEM**
[54] **SYSTEME DE TRI ET D'EMBALLAGE AUTOMATISE**
[72] HARRIS, CALEM, US
[72] MORA, SEBASTIAN, US
[72] TUCKER, GRANT, US
[72] JAGANNATHAN, ARUN KUMAR RANGANATHAN, US
[72] SKANTZE, CARL, US
[72] TSOKA, ARNOLD, US
[72] FAULKNER, MARIO, US
[71] STAPLES, INC., US
[22] 2022-05-30
[41] 2023-11-02
[30] US (17/661,702) 2022-05-02

[21] **3,164,857**
[13] A1

[51] **Int.Cl. G06F 40/20 (2020.01) G06N 20/20 (2019.01) G06N 3/02 (2006.01)**

[25] EN
[54] **SUPERVISED MACHINE LEARNING METHOD FOR MATCHING UNSUPERVISED DATA**
[54] **METHODE D'APPRENTISSAGE AUTOMATIQUE SUPERVISEE POUR LA MISE EN CORRESPONDANCE DE DONNEES NON SUPERVISEES**
[72] BAR ELIYAHU, NATALIE, IL
[72] LACKRITZ, HADAR, IL
[72] BECHLER, SIGALIT, IL
[72] TAYEB, YAAKOV, IL
[71] INTUIT INC., US
[22] 2022-06-22
[41] 2023-10-29
[30] US (17/733,415) 2022-04-29

[21] **3,165,165**
[13] A1

[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 10/0631 (2023.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR RESOURCE ALLOCATION OPTIMIZATION**
[54] **SYSTEMES ET PROCEDES D'OPTIMISATION DE L'ATTRIBUTION DE RESSOURCES**
[72] BOGOROCH, MATTHEW, CA
[72] FREY, SHARDUL, CA
[71] BIRDSEYE GLOBAL INC., CA
[22] 2022-06-23
[41] 2023-11-02
[30] US (63/337387) 2022-05-02

Demandes canadiennes mises à la disponibilité du public
29 octobre 2023 au 4 novembre 2023

[21] **3,165,960**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) G06F 40/174 (2020.01) G06F 40/40 (2020.01)**

[25] EN

[54] **EXTRACTING CONTENT FROM FREEFORM TEXT SAMPLES INTO CUSTOM FIELDS IN A SOFTWARE APPLICATION**

[54] **EXTRACTION DE CONTENU A PARTIR D'ECHANTILLONS DE TEXTE LIBRE DANS DES CHAMPS PERSONNALISES D'UNE APPLICATION LOGICIELLE**

[72] KAVETI, NAVEEN KUMAR, IN

[72] HARSOLA, SHRUTENDRA, IN

[72] AGRAWAL, POORVI, IN

[72] RATURI, VIKAS, IN

[71] INTUIT INC., US

[22] 2022-06-28

[41] 2023-10-29

[30] US (17/733,368) 2022-04-29

[21] **3,169,437**
[13] A1

[51] **Int.Cl. B65G 47/46 (2006.01) B65G 1/12 (2006.01) B65G 47/52 (2006.01)**

[25] EN

[54] **AUTOMATED BELT-DIVERTER SYSTEM**

[54] **SYSTEME DE DEVIATEUR A COURROIE AUTOMATISE**

[72] HARRIS, CALEM, US

[72] MORA, SEBASTIAN, US

[72] TUCKER, GRANT, US

[72] JAGANNATHAN, ARUN KUMAR RANGANATHAN, US

[72] SKANTZE, CARL, US

[72] TSOKA, ARNOLD, US

[72] FAULKNER, MARIO, US

[71] STAPLES, INC., US

[22] 2022-08-03

[41] 2023-11-02

[30] US (17/661,702) 2022-05-02

[30] US (17/810,263) 2022-06-30

[21] **3,188,926**
[13] A1

[51] **Int.Cl. C13B 25/06 (2011.01) C13B 25/00 (2011.01) B01F 35/213 (2022.01) B01F 35/221 (2022.01) B01D 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AN AUTOMATED ADJUSTMENT OF BRIX IN A LIQUID**

[54] **SYSTEME ET METHODE D'AJUSTEMENT AUTOMATISE DU BRIX DANS UN LIQUIDE**

[72] CHABOT, MARC-ANDRE, CA

[72] CHABOT, MARTIN, CA

[71] LES EQUIPEMENTS D'ERABLIERE C.D.L. INC., CA

[22] 2023-02-08

[41] 2023-10-29

[30] US (63/336,341) 2022-04-29

[21] **3,166,460**
[13] A1

[51] **Int.Cl. E02F 9/20 (2006.01) B60Q 1/26 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND CONTROLLERS TO ENHANCE HEAVY EQUIPMENT WARNING**

[54] **SYSTEMES, METHODES ET CONTROLEURS POUR AMELIORER LES AVERTISSEMENTS DE MACHINERIE LOURDE**

[72] JORDAN, KYLE D., US

[72] SCHIMMOELLER, NICHOLAS L., US

[72] LIXEY, GEORGE M., US

[71] MARATHON PETROLEUM COMPANY LP, US

[22] 2022-06-28

[41] 2023-11-04

[30] US (63/364.179) 2022-05-04

[30] US (17/848.429) 2022-06-24

[21] **3,169,450**
[13] A1

[51] **Int.Cl. B65B 5/00 (2006.01)**

[25] EN

[54] **AUTOMATED PACKING SYSTEM**

[54] **SYSTEME D'EMBALLAGE AUTOMATISE**

[72] HARRIS, CALEM, US

[72] MORA, SEBASTIAN, US

[72] TUCKER, GRANT, US

[72] JAGANNATHAN, ARUN KUMAR RANGANATHAN, US

[72] SKANTZE, CARL, US

[72] TSOKA, ARNOLD, US

[72] FAULKNER, MARIO, US

[71] STAPLES, INC., US

[22] 2022-08-03

[41] 2023-11-02

[30] US (17/661702) 2022-05-02

[30] US (17/810269) 2022-06-30

[21] **3,189,140**
[13] A1

[51] **Int.Cl. H05B 6/06 (2006.01) H05B 6/04 (2006.01)**

[25] EN

[54] **CONTROL METHOD AND DEVICE FOR ELECTROMAGNETIC HEATING DEVICE, AND ELECTROMAGNETIC HEATING DEVICE**

[54] **DISPOSITIF DE CHAUFFAGE ELECTROMAGNETIQUE ET METHODE ET DISPOSITIF DE COMMANDE POUR UN DISPOSITIF DE CHAUFFAGE ELECTROMAGNETIQUE**

[72] WANG, LONGJIANG, CN

[72] XIAO, FENG, CN

[72] XUAN, MEIFAN, CN

[72] LI, SHUWEN, CN

[72] YANG, MING, CN

[72] XU, QIANG, CN

[71] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN

[22] 2023-02-09

[41] 2023-10-29

[30] CN (202210464190.7) 2022-04-29

**Canadian Applications Open to Public Inspection
October 29, 2023 to November 4, 2023**

[21] **3,190,294**
[13] A1

[51] **Int.Cl. B66C 13/12 (2006.01) B66C 23/66 (2006.01) E02F 9/14 (2006.01) F16L 3/01 (2006.01)**

[25] EN

[54] **CRANE TIP AND CONNECTION ARRANGEMENT**

[54] **CONFIGURATION DE TETE DE GRUE ET DE RACCORD**

[72] JARKKO, JOKINEN, DE

[72] VESANEN, PEKKA, DE

[72] SUUTARI, MARKO, DE

[72] KETOLA, ARI-PEKKA, DE

[72] SAHOO, GHANASHYAM, DE

[71] DEERE & COMPANY, US

[22] 2023-02-17

[41] 2023-10-29

[30] EP (22170696.3) 2022-04-29

[21] **3,190,372**
[13] A1

[51] **Int.Cl. B60R 1/25 (2022.01) B60R 1/26 (2022.01)**

[25] EN

[54] **MONITORING SYSTEM OF CAR SURROUNDING AREA FOR REAR SEAT PASSENGERS**

[54] **SYSTEME DE SURVEILLANCE DE LA ZONE ENTOURANT UN VEHICULE POUR LES PASSAGERS DU SIEGE ARRIERE**

[72] HOSSEINI-KHAH, NILOOFAR, CA

[72] SAGHIRA, RASOOL, CA

[72] HOVEIDI ARDESTANI, MALIHE, CA

[72] GHOBADISAKI, HOJAT, CA

[72] SAMIEI, MAHBOOBE, CA

[71] HOSSEINI-KHAH, NILOOFAR, CA

[71] SAGHIRA, RASOOL, CA

[71] HOVEIDI ARDESTANI, MALIHE, CA

[71] GHOBADISAKI, HOJAT, CA

[71] SAMIEI, MAHBOOBE, CA

[22] 2023-02-20

[41] 2023-10-31

[21] **3,190,977**
[13] A1

[51] **Int.Cl. A21C 11/00 (2006.01) A21D 13/31 (2017.01) A21C 9/06 (2006.01) A21C 11/12 (2006.01) A21D 10/02 (2006.01)**

[25] EN

[54] **PRE-SCORED FROZEN DOUGH SUB AND STEAK ROLLS**

[54] **PATE CONGEELEE PRELAMEE A SANDWICH ET ROULES DE BOEUF**

[72] CROSBY, CHRISTOPHER, US

[72] RASMUSSEN, TODD A., US

[72] REINKE, JEFFREY DAVID, US

[72] SUSKI, GEOFFREY P., US

[72] HOBART, KARA M., US

[71] GENERAL MILLS, INC., US

[22] 2023-02-23

[41] 2023-11-02

[30] US (17/734,263) 2022-05-02

[21] **3,191,664**
[13] A1

[51] **Int.Cl. A01G 23/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GRAPPLE HYDRAULICS REGULATION BASED ON WORK VEHICLE FUNCTIONS**

[54] **SYSTEME ET METHODE DE REGULATION DE L'HYDRAULIQUE D'UN GRAPPIN EN FONCTION DES CARACTERISTIQUES DU VEHICULE DE TRAVAIL**

[72] PAWAR, SANKET, IN

[71] DEERE & COMPANY, US

[22] 2023-03-02

[41] 2023-11-02

[30] US (17/734,264) 2022-05-02

[21] **3,191,923**
[13] A1

[51] **Int.Cl. B67C 9/00 (2006.01) B65D 47/06 (2006.01) B65F 1/12 (2006.01)**

[25] EN

[54] **BUCKET RAMP ATTACHMENT**

[54] **ACCESSOIRE DE RAMPE POUR SCEAU**

[72] FREGOE, CASEY J., US

[71] DANCO, INC., US

[22] 2023-03-06

[41] 2023-11-02

[30] US (17/734,678) 2022-05-02

[21] **3,193,002**
[13] A1

[51] **Int.Cl. G06T 11/00 (2006.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06Q 30/0601 (2023.01) G06T 1/40 (2006.01) G06N 3/0475 (2023.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GENERATING IMAGES USING GENERATIVE ADVERSARIAL NETWORKS (GANS)**

[54] **METHODE ET SYSTEME POUR GENERER DES IMAGES AU MOYEN DE RESEAUX ANTAGONISTES GENERATIFS (GAN)**

[72] WRIGHT, ASHER, CA

[72] JAYATUNGA, HETTIGE RAY PERERA, CA

[71] SHOPIFY INC., CA

[22] 2023-03-14

[41] 2023-11-02

[30] US (17/734,938) 2022-05-02

Demandes canadiennes mises à la disponibilité du public
29 octobre 2023 au 4 novembre 2023

[21] **3,193,167**
[13] A1

[51] **Int.Cl. C07C 229/12 (2006.01) A61K 31/225 (2006.01) A61K 31/265 (2006.01) A61K 31/27 (2006.01) A61K 31/40 (2006.01) A61K 31/445 (2006.01) A61K 31/5375 (2006.01) A61K 31/55 (2006.01) C07C 217/08 (2006.01) C07C 235/06 (2006.01) C07C 271/22 (2006.01) C07C 275/16 (2006.01) C07C 327/22 (2006.01) C07C 329/06 (2006.01) C07D 211/14 (2006.01) C07D 211/34 (2006.01) C07D 211/62 (2006.01) C07D 295/088 (2006.01) C07D 295/15 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **IONIZABLE LIPID COMPOUNDS**
[54] **COMPOSES LIPIDIQUES IONISABLES**

[72] ZHANG, LIN, CN
[72] YANG, LIU, CN
[72] LIU, ANDONG, CN
[72] LAI, CAIDA, CN
[72] WANG, WENSHOU, CN
[71] BEIJING JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[71] HANGZHOU JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN

[22] 2023-03-16
[41] 2023-10-29
[30] CN (202210478132.X) 2022-04-29
[30] CN (202210478559.X) 2022-04-29
[30] CN (202211319669.8) 2022-10-26
[30] CN (202211419893.4) 2022-11-14

[21] **3,193,222**
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/44 (2017.01) C12N 15/10 (2006.01) C12N 15/88 (2006.01) C09K 23/28 (2022.01)**

[25] EN
[54] **LIPID NANOPARTICLES**
[54] **NANOPARTICULES LIPIDIQUES**

[72] YANG, LIU, CN
[72] YIN, LE, CN
[72] LIU, ANDONG, CN
[72] ZHANG, LIN, CN
[72] LAI, CAIDA, CN
[72] WANG, WENSHOU, CN
[71] BEIJING JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[71] HANGZHOU JITAI PHARMACEUTICAL TECHNOLOGY CO., LTD., CN

[22] 2023-03-17
[41] 2023-10-29
[30] CN (202210478132.X) 2022-04-29
[30] CN (202210478559.X) 2022-04-29
[30] CN (202211319726.2) 2022-10-26
[30] CN (202211419648.3) 2022-11-14

[21] **3,193,747**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/27 (2019.01)**

[25] EN
[54] **METHODS AND SYSTEMS FOR ACCESS CONTROL IN A COMPUTING SYSTEM**
[54] **METHODES ET SYSTEMES POUR LE CONTROLE D'ACCES DANS UN SYSTEME INFORMATIQUE**

[72] LEE, JOHN JONG-SUK, CA
[71] SHOPIFY INC., CA

[22] 2023-03-21
[41] 2023-10-29
[30] US (17/867,975) 2022-07-19
[30] US (63/336,787) 2022-04-29
[30] US (63/336,798) 2022-04-29
[30] US (63/336,816) 2022-04-29
[30] US (17/868,020) 2022-07-19
[30] US (17/868,038) 2022-07-19

[21] **3,193,889**
[13] A1

[51] **Int.Cl. A61N 1/365 (2006.01) A61B 5/0205 (2006.01)**

[25] EN
[54] **EXTERNAL BAROREFLEX ACTIVATION FOR ASSESSMENT AND TREATMENT**
[54] **ACTIVATION DU BAROREFLEXE EXTERNE AUX FINS D'EVALUATION ET DE TRAITEMENT**

[72] GEORGAKOPOULOS, DIMITRIOS, US
[72] STOJANOVIC, IVANA, US
[72] YARED, NADIM, US
[71] CVRX, INC., US
[22] 2023-03-22
[41] 2023-11-03
[30] US (63/337,692) 2022-05-03

[21] **3,193,992**
[13] A1

[51] **Int.Cl. F16B 39/02 (2006.01) B64C 27/54 (2006.01) F15B 15/20 (2006.01)**

[25] EN
[54] **ACTUATOR LOCK NUT ASSEMBLY**
[54] **ASSEMBLAGE D'ECROU DE BLOCAGE D'ACTIONNEUR**

[72] MOLINELLI, DARIO, IT
[72] MAINO, FRANCO, IT
[72] RESTUCCIA, MICHELE, IT
[71] MICROTECNICA S.R.L., IT
[22] 2023-03-23
[41] 2023-11-03
[30] EP (22171466.0) 2022-05-03

[21] **3,194,626**
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) B64D 1/00 (2006.01) B66D 1/36 (2006.01) B66D 1/40 (2006.01) G09B 19/24 (2006.01)**

[25] EN
[54] **AUGMENTED REALITY HOIST TRAINING SYSTEM**
[54] **SYSTEME D'ENTRAINEMENT A L'UTILISATION D'UN OUTIL DE LEVAGE EN REALITE AUGMENTEE**

[72] BAHOUS, JEAN-PIERRE, CA
[72] MIKUS, STEPHEN, CA
[72] PETRILLI, ALESSANDRO, CA
[72] CINQUINO, ANTONIO, CA
[72] DESJARDINS, VINCENT, CA
[71] CAE INC., CA
[22] 2023-03-30
[41] 2023-10-31
[30] US (18/192,418) 2023-03-29

**Canadian Applications Open to Public Inspection
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[21] **3,194,966**
[13] A1

[51] **Int.Cl. B01D 46/24 (2006.01)**
[25] EN
[54] **INERTIAL PARTICLE SEPARATOR DUCT ASSEMBLY WITH SPLITTER**
[54] **ASSEMBLAGE DE CONDUITE POUR SEPARATEUR DE PARTICULES INERTIEL ET DIVISEUR**
[72] REMY, PATRICE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-04-03
[41] 2023-10-29
[30] US (17/661,374) 2022-04-29

[21] **3,195,369**
[13] A1

[51] **Int.Cl. B63C 9/08 (2006.01) A41D 13/012 (2006.01) A63B 31/00 (2006.01) B63C 9/115 (2006.01)**
[25] EN
[54] **FLOTATION VEST WITH REPOSITIONABLE COLLAR MEMBER**
[54] **VESTE GONFLABLE AVEC COL REPOSITIONNABLE**
[72] DAVIES, CONOR NEWTON, US
[71] AQUA-LEISURE RECREATION, LLC., US
[22] 2023-04-06
[41] 2023-10-29
[30] US (17/733,020) 2022-04-29

[21] **3,197,251**
[13] A1

[51] **Int.Cl. B62B 3/06 (2006.01) B65D 19/18 (2006.01) B65D 19/38 (2006.01) B66F 9/065 (2006.01) B66F 9/075 (2006.01)**
[25] EN
[54] **HYBRID CART**
[54] **CHARIOT HYBRIDE**
[72] FOSTER, DERICK, US
[72] ENGLERT, TRAVIS JAMES, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2023-04-28
[41] 2023-10-29
[30] US (63/336,911) 2022-04-29

[21] **3,197,286**
[13] A1

[51] **Int.Cl. H04L 9/40 (2022.01) G06F 21/44 (2013.01) H04W 4/44 (2018.01) H04W 76/11 (2018.01) B60L 53/50 (2019.01) B60L 53/60 (2019.01) B60L 53/66 (2019.01) G06F 15/16 (2006.01)**
[25] EN
[54] **AUTOMATIC, SECURE AND BULK ONBOARDING OF DEVICES**
[54] **INTEGRATION AUTOMATIQUE, SECURISEE ET EN BLOC DE DISPOSITIFS**
[72] BEHERA, JITENDRA, IN
[71] SIEMENS AKTIENGESSELLSCHAFT, DE
[22] 2023-04-17
[41] 2023-10-29
[30] EP (22170888.6) 2022-04-29

[21] **3,197,550**
[13] A1

[51] **Int.Cl. B25D 9/12 (2006.01) B25D 9/14 (2006.01) B25D 9/26 (2006.01) E21B 1/00 (2006.01) E21B 1/26 (2006.01)**
[25] EN
[54] **IMPACT PISTON DEVICE FOR A IMPACT DRILL DRIVE**
[54] **DISPOSITIF DE PISTON A CHOCS POUR PERCEUSE A CHOCS**
[72] MERZHAUSER, MARKUS, DE
[71] EURODRILL GMBH, DE
[22] 2023-04-20
[41] 2023-11-04
[30] EP (22171590.7) 2022-05-04

[21] **3,197,563**
[13] A1

[51] **Int.Cl. A01C 3/04 (2006.01) B60F 3/00 (2006.01) B60K 8/00 (2006.01) F04D 7/04 (2006.01) F16C 11/04 (2006.01)**
[25] EN
[54] **AMPHIBIOUS VEHICLE WITH ADJUSTABLE COMPONENTS FOR USE IN A LIQUID MANURE LAGOON**
[54] **VEHICULE AMPHIBIE COMPRENANT DES ELEMENTS AJUSTABLES A UTILISER DANS UN LAGON A PURIN**
[72] NUHN, IAN, CA
[71] NUHN INDUSTRIES LTD., CA
[22] 2023-04-20
[41] 2023-10-29
[30] US (63/336,421) 2022-04-29

[21] **3,197,607**
[13] A1

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/00 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **TURBINE STATOR VANES HAVING INSERTS AND SPLITTER PLATES**
[54] **AUBES DE STATOR DE TURBINE COMPRENANT DES INSERTS ET DES PLAQUES DE SEPARATION**
[72] TREMBLAY, CHRISTOPHE, CA
[72] PHUTTHAVONG, PATRICIA, CA
[72] ASHRAFI, FARZAD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-04-20
[41] 2023-11-04
[30] US (17/662,005) 2022-05-04

[21] **3,197,699**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR MULTIPLE CHANNEL VIDEO ENCODING IN A SHARED RESOURCE ENVIRONMENT**
[54] **SYSTEMES ET METHODES POUR LE CODAGE VIDEO A CANAUX MULTIPLES DANS UN ENVIRONNEMENT DE RESSOURCES PARTAGEES**
[72] KYPREOS, JEAN, FR
[72] ROPERT, MICHAEL, FR
[71] MK SYSTEMS USA INC., US
[22] 2023-04-21
[41] 2023-11-04
[30] EP (22305667.2) 2022-05-04

[21] **3,197,724**
[13] A1

[25] EN
[54] **METHOD OF MANUFACTURING A MISTUNED ROTOR**
[54] **METHODE DE FABRICATION D'UN ROTOR MAL ACCORDE**
[72] BALIKE, KRISHNA PRASAD, CA
[72] WONG, EDWIN, CA
[72] FUDGE, DANIEL, CA
[72] THERATIL, IGNATIUS, CA
[72] STONE, PAUL, CA
[72] MASON, CHARLES, CA
[72] ANAND, KARAN, CA
[72] DORAN, PASCAL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-04-21
[41] 2023-10-29
[30] US (17/661,454) 2022-04-29

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[21] **3,197,889**
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01) A61F 2/28 (2006.01)**
 [25] FR
 [54] **DEVICE FORMING A BARRIER TO BONE REGENERATION**
 [54] **DISPOSITIF FORMANT BARRIERE POUR LA REGENERATION OSSEUSE**
 [72] KHOURY, GEORGES, FR
 [71] KHOURY, GEORGES, FR
 [22] 2023-04-24
 [41] 2023-11-02
 [30] FR (22 04158) 2022-05-02

[21] **3,197,893**
[13] A1

[51] **Int.Cl. G06V 40/12 (2022.01) G06V 10/10 (2022.01) G06V 10/80 (2022.01) G06T 11/60 (2006.01)**
 [25] FR
 [54] **METHOD FOR GENERATING A PALM IMAGE FROM PARTIAL PALM IMAGES**
 [54] **PROCEDE DE GENERATION D'UNE IMAGE DE PAUME A PARTIR D'IMAGES DE PAUME PARTIELLES**
 [72] MABYALAHT, GUY, FR
 [72] KAZDAGHLI, LAURENT, FR
 [71] IDEMIA IDENTITY & SECURITY FRANCE, FR
 [22] 2023-04-25
 [41] 2023-11-03
 [30] FR (FR NO2204184) 2022-05-03

[21] **3,197,919**
[13] A1

[51] **Int.Cl. F24H 9/1832 (2022.01) F22B 7/20 (2006.01) F23M 9/08 (2006.01) F24H 1/28 (2006.01) F28F 1/40 (2006.01) F28F 21/04 (2006.01)**
 [25] EN
 [54] **BOILER TUBE INSERT AND BOILER TUBES HAVING INSERTS**
 [54] **GARNITURE DE TUBE DE CHAUDIERE ET TUBES DE CHAUDIERE COMPORTANT DES GARNITURES**
 [72] CORREIA, WILFRED, US
 [72] MIKUL, DAVID JOHN, US
 [72] WAMBACH, JOSEPH DAVID, US
 [72] ZALA, RAKESH, US
 [71] THE CLEAVER-BROOKS COMPANY, INC., US
 [22] 2023-04-26
 [41] 2023-10-29
 [30] US (63/336.477) 2022-04-29
 [30] US (18/138,391) 2023-04-24

[21] **3,197,963**
[13] A1

[51] **Int.Cl. G06F 16/20 (2019.01) G06F 16/22 (2019.01)**
 [25] EN
 [54] **SYSTEMS AND METHODS FOR CAPTURING AND CATEGORIZING DATA**
 [54] **SYSTEMES ET METHODES D'ENREGISTREMENT ET DE CATEGORISATION DE DONNEES**
 [72] BROWN, MICHAEL, US
 [72] LEVESQUE, GREG, US
 [72] HARNDEN, ERIC, US
 [72] LENTZ, JONATHAN, US
 [71] STRIDER TECHNOLOGIES, INC., US
 [22] 2023-04-26
 [41] 2023-11-01
 [30] US (17/734,083) 2022-05-01

[21] **3,197,970**
[13] A1

[51] **Int.Cl. H04L 67/52 (2022.01) H04L 67/2869 (2022.01) H04L 67/306 (2022.01)**
 [25] EN
 [54] **ADAPTIVE DISCUSSION-TOPIC SYSTEM, OPERATING METHOD THEREOF, AND NON-TRANSITORY COMPUTER-READABLE RECORDING MEDIUM**
 [54] **SYSTEME DE SUJET DE DISCUSSION ADAPTATIF, METHODE D'EXPLOITATION ET SUPPORT D'ENREGISTREMENT NON TRANSITOIRE LISIBLE PAR ORDINATEUR**
 [72] LI, YU-HSIEN, TW
 [72] LEE, YU-CHIH, TW
 [72] MEI, HAO-WEN, TW
 [71] FRAMY INC., KY
 [22] 2023-04-26
 [41] 2023-10-29
 [30] TW (111116316) 2022-04-29

[21] **3,198,042**
[13] A1

[25] EN
 [54] **WATERWAY SENSOR**
 [54] **CAPTEUR DE VOIE NAVIGABLE**
 [72] SENTLINGER, GABRIEL, CA
 [71] SENTLINGER, GABRIEL, CA
 [22] 2023-04-26
 [41] 2023-10-29
 [30] US (63336713) 2022-04-29

[21] **3,198,060**
[13] A1

[51] **Int.Cl. A42B 3/04 (2006.01) A61F 9/02 (2006.01)**
 [25] EN
 [54] **NIGHT VISION GOGGLE SYSTEM AND APPARATUS**
 [54] **SYSTEME ET APPAREIL DE LUNETTE DE VISION NOCTURNE**
 [72] PRENDERGAST, JONATHAN R., US
 [72] SOTO, RONALD R., US
 [71] NOROTOS, INC., US
 [22] 2023-04-26
 [41] 2023-11-01
 [30] US (63/337148) 2022-05-01

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[21] **3,198,106**
[13] A1

[51] **Int.Cl. A23P 30/10 (2016.01) A23C 7/00 (2006.01)**
[25] EN
[54] **A ROTATABLE SYSTEM TO REPETITIVELY PREPARE FOOD PATTIES FROM A SOURCE OF FLOWING FOOD**
[54] **SYSTEME ROTATIF POUR LA PREPARATION REPETITIVE DE GALETTES ALIMENTAIRES D'UNE SOURCE D'ALIMENTS EN LIQUIDE**
[72] COWART, GARY, US
[71] MP EQUIPMENT, LLC, US
[22] 2023-04-27
[41] 2023-11-04
[30] US (63/338,255) 2022-05-04

[21] **3,198,137**
[13] A1

[51] **Int.Cl. A47F 5/10 (2006.01) A47F 3/14 (2006.01) A47F 7/28 (2006.01) B65G 1/08 (2006.01)**
[25] EN
[54] **PRODUCT DISPLAY UNITS WITH HINGES**
[54] **PRESENTOIRS A PRODUITS COMPRENANT DES CHARNIERES**
[72] ILLERS, MARTY, US
[72] CONNELL, JOHN D., US
[71] MARMON FOODSERVICE TECHNOLOGIES, INC., US
[22] 2023-04-28
[41] 2023-10-29
[30] US (63/336,385) 2022-04-29
[30] US (18/308,314) 2023-04-27

[21] **3,198,163**
[13] A1

[51] **Int.Cl. H01R 13/6592 (2011.01)**
[25] EN
[54] **HIGH SPEED CABLE BRAID TERMINATION USING A COIL SPRING**
[54] **TERMINAISON DE TRESSE DE CABLE HAUTE VITESSE AU MOYEN D'UN RESSORT HELICOIDAL**
[72] RUFFINI, NICHOLAS, US
[72] MCALONIS, MATTHEW RICHARD, US
[72] SIPE, LYNN ROBERT, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-04-28
[41] 2023-10-29
[30] US (17/732605) 2022-04-29

[21] **3,198,108**
[13] A1

[51] **Int.Cl. F03D 80/60 (2016.01) F25D 29/00 (2006.01)**
[25] EN
[54] **A METHOD FOR OPERATING A WIND TURBINE AND A WIND TURBINE**
[54] **EOLIENNE ET METHODE D'EXPLOITATION D'UNE EOLIENNE**
[72] EDENFELD, THOMAS, DE
[71] GENERAL ELECTRIC RENOVABLES ESPANA S.L., ES
[22] 2023-04-27
[41] 2023-10-29
[30] EP (22170718.5) 2022-04-29

[21] **3,198,149**
[13] A1

[51] **Int.Cl. F24F 6/04 (2006.01) F25B 39/04 (2006.01) F28C 1/14 (2006.01) F28C 3/08 (2006.01)**
[25] EN
[54] **ADIABATIC COOLING SYSTEM WITH MIST CHAMBER**
[54] **SYSTEME DE REFROIDISSEMENT ADIABATIQUE AVEC CHAMBRE DE BRUMISATION**
[72] KUPPUSAMY, KARTHICK, IN
[72] SADHASIVAM, SANGAMESHWARAN, IN
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2023-04-28
[41] 2023-10-29
[30] US (17/733,318) 2022-04-29

[21] **3,198,165**
[13] A1

[51] **Int.Cl. H01R 13/6585 (2011.01) H01R 13/6591 (2011.01)**
[25] EN
[54] **HIGH SPEED ELECTRICAL CONNECTOR WITH PREASSEMBLED EMI SHIELDING**
[54] **CONNECTEUR ELECTRIQUE HAUTE VITESSE AVEC BLINDAGE ANTI-INDUCTION ELECTROMAGNETIQUE PREASSEMBLE**
[72] RUFFINI, NICHOLAS, US
[72] SIPE, LYNN ROBERT, US
[72] KLINGER, BRIAN TODD, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-04-28
[41] 2023-10-29
[30] US (17/732,587) 2022-04-29

[21] **3,198,124**
[13] A1

[51] **Int.Cl. B64D 41/00 (2006.01) B64D 27/00 (2006.01) B64D 33/00 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **ELECTRICAL HEATING SYSTEM FOR HYBRID POWERPLANT ELECTRICAL POWER SOURCE**
[54] **SYSTEME DE CHAUFFAGE ELECTRIQUE POUR UNE SOURCE D'ALIMENTATION ELECTRIQUE DE GROUPE MOTOPROPULSEUR HYBRIDE**
[72] WANG, XI, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-04-27
[41] 2023-10-29
[30] US (17/733,408) 2022-04-29

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[21] **3,198,189**
[13] A1

[51] **Int.Cl. H01R 13/502 (2006.01) H01R 13/6585 (2011.01)**
[25] EN
[54] **ISOLATION COMPONENT FOR A TIGHTLY PACKAGED HIGH SPEED CONNECTOR**
[54] **COMPOSANT D'ISOLATION POUR UN CONNECTEUR HAUTE VITESSE ENVELOPPE SERRE**
[72] RUFFINI, NICHOLAS, US
[72] BELACK, DUSTIN CARSON, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-04-28
[41] 2023-10-29
[30] US (17/732596) 2022-04-29

[21] **3,198,194**
[13] A1

[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/00 (2006.01) E04B 2/88 (2006.01) E04B 2/92 (2006.01)**
[25] EN
[54] **A BUILDING ELEMENT, A METHOD FOR THE MANUFACTURE THEREOF, A PROFILE AND A COMBINATION OF A PROFILE AND A PANEL**
[54] **ELEMENT DE CONSTRUCTION, METHODE DE FABRICATION, PROFIL ET COMBINAISON D'UN PROFIL ET D'UN PANNEAU**
[72] SCHAAP, FOEKE JASPER, NL
[72] BUSCHGENS, JACOBUS CORNELIS, NL
[71] DENTA ENGINEERING B.V., NL
[22] 2023-04-28
[41] 2023-11-03
[30] EP (EP22171488.4) 2022-05-03

[21] **3,198,201**
[13] A1

[51] **Int.Cl. H01R 13/514 (2006.01) H01R 13/6585 (2011.01)**
[25] EN
[54] **CONTACT INSULATORS FOR USE WITH DIFFERENTIAL PAIRS OF CONTACTS AND METHOD OF TERMINATION**
[54] **ISOLATEURS DE CONTACT A UTILISER AVEC DES PAIRS DIFFERENTIELLES DE CONTACTS ET METHODE DE TERMINAISON**
[72] RUFFINI, NICHOLAS, US
[72] SIPE, LYNN ROBERT, US
[72] HEISEY, SAMANTHA K., US
[72] ANNIS, KYLE GARY, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-04-28
[41] 2023-10-29
[30] US (17/732643) 2022-04-29

[21] **3,198,205**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 4/02 (2006.01) E21B 7/06 (2006.01) E21B 21/08 (2006.01) E21B 45/00 (2006.01) E21B 47/02 (2006.01) E21B 3/00 (2006.01)**
[25] EN
[54] **AUTOMATED SYSTEMS AND METHODS FOR CONTROLLING THE OPERATION OF DOWNHOLE-ADJUSTABLE MOTORS**
[54] **SYSTEMES AUTOMATISES ET METHODES POUR CONTROLER L'EXPLOITATION DE MOTEURS AJUSTABLES EN FOND DE TROU**
[72] CLAUSEN, JEFFREY RONALD, US
[72] LI, QUNZHANG, US
[71] NATIONAL OILWELL VARCO, L.P., US
[22] 2023-04-28
[41] 2023-11-02
[30] US (17/735,033) 2022-05-02

[21] **3,198,247**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) B81B 1/00 (2006.01) B81B 7/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) G01N 1/34 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **MICROCAPILLARY DEVICE, DETECTION DEVICE, AND METHODS RELATED THERETO**
[54] **DISPOSITIF MICROCAPILLAIRE, DISPOSITIF DE DETECTION ET METHODES CONNEXES**
[72] POUUDINEH, MAHLA, CA
[72] KEYVANI, FATEMEH, CA
[72] EBNATH, NANDINI, CA
[71] POUUDINEH, MAHLA, CA
[71] KEYVANI, FATEMEH, CA
[71] EBNATH, NANDINI, CA
[22] 2023-04-28
[41] 2023-10-30
[30] US (63/337,051) 2022-04-30

[21] **3,198,285**
[13] A1

[25] EN
[54] **METHOD FOR MANUFACTURING A VESSEL AND A DOUBLE-WALL TANK**
[54] **METHODE DE FABRICATION D'UN RECIPIENT ET D'UN RESERVOIR A DOUBLE PAROI**
[72] DE LA MOTA MENDIOLA, MATILDE, ES
[72] VAZQUEZ CASTRO, JESUS JAVIER, ES
[72] BUTRAGUENO MARTINEZ, ASUNCION, ES
[72] BALLESTERO MENDEZ, JORGE, ES
[71] AIRBUS OPERATIONS, S.L.U., ES
[22] 2023-04-28
[41] 2023-10-29
[30] EP (22382413.7) 2022-04-29

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[21] **3,198,292**
[13] A1

[51] **Int.Cl. F17C 1/02 (2006.01) B65D 8/06 (2006.01) F17C 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A VESSEL AND A DOUBLE-WALL TANK**
[54] **METHODE DE FABRICATION D'UN RECIPIENT ET D'UN RESERVOIR A DOUBLE PAROI**
[72] DE LA MOTA MENDIOLA, MATILDE, ES
[72] VAZQUEZ CASTRO, JESUS JAVIER, ES
[72] BUTRAGUENO MARTINEZ, ASUNCION, ES
[71] AIRBUS OPERATIONS S.L.U., ES
[22] 2023-04-28
[41] 2023-10-29
[30] EP (22382415.2) 2022-04-29

[21] **3,198,301**
[13] A1

[51] **Int.Cl. F15B 15/18 (2006.01)**
[25] EN
[54] **HYDRAULIC JACK ASSEMBLY AND PIN PULLER ASSEMBLY**
[54] **ASSEMBLAGE DE VERIN HYDRAULIQUE ET ASSEMBLAGE D'EXTRACTEUR DE GOUJON**
[72] SCHLEIS, MATTHEW JOHN, US
[72] HARVEY, KYLE MICHAEL, US
[72] TEUMER, SAMANTHA ANN, US
[72] GALL, BEN, US
[72] SANNITO, CONNOR JOSEPH, US
[72] HAASE, EDWARD, US
[71] ENERPAC TOOL GROUP CORP., US
[22] 2023-05-01
[41] 2023-11-02
[30] US (63/337.461) 2022-05-02
[30] US (18/140.876) 2023-04-28

[21] **3,198,303**
[13] A1

[51] **Int.Cl. B60P 3/34 (2006.01) B60J 10/20 (2016.01) B60J 10/90 (2016.01) B60P 3/35 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **SEAL ASSEMBLY OF A SLIDE-OUT FOR A FIFTH WHEEL TRAVEL TRAILER AND SYSTEM THEREOF**
[54] **ENSEMBLE D'ETANCHEITE D'UNE RALLONGE COULISSANTE DE ROULOTTE A SELLETTE ET SYSTEME CONNEXE**
[72] MULLET, IRA, US
[71] FOREST RIVER, INC., US
[22] 2023-05-01
[41] 2023-11-02
[30] US (63/337,321) 2022-05-02
[30] US (18/140,074) 2023-04-27

[21] **3,198,338**
[13] A1

[51] **Int.Cl. G06F 8/60 (2018.01) G06F 8/70 (2018.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE APPLICATION DEPLOYMENT ENVIRONMENT CONSTRUCTION METHOD AND DEVICE**
[54] **METHODE ET DISPOSITIF DE CREATION D'UN ENVIRONNEMENT DE DEPLOIEMENT D'APPLICATION D'INTELLIGENCE ARTIFICIELLE**
[72] ZHAN, ZHICAI, CN
[72] WANG, QIANG, CN
[72] PENG, YANQING, CN
[72] WANG, DANAQ, CN
[72] REN, XIUMING, CN
[71] 10353744 CANADA LTD., CA
[22] 2023-05-01
[41] 2023-10-29
[30] CN (202210476521.9) 2022-04-29

[21] **3,198,369**
[13] A1

[51] **Int.Cl. F15B 1/033 (2006.01) F15B 1/04 (2006.01) F15B 20/00 (2006.01)**
[25] EN
[54] **HYDRAULIC ACCUMULATOR AUTOSTART**
[54] **AUTODEMARREUR D'ACCUMULATEUR HYDRAULIQUE**
[72] ELSIK, GARY, US
[72] MCKIM, NOEL, US
[72] GONZALEZ, FRANK, US
[71] GJR MEYER SERVICE, INC., US
[22] 2023-05-01
[41] 2023-11-01
[30] US (63363955) 2022-05-01

[21] **3,198,501**
[13] A1

[51] **Int.Cl. B25H 3/04 (2006.01) A47B 81/00 (2006.01) A47G 29/00 (2006.01)**
[25] EN
[54] **WALL-MOUNTED STORAGE SYSTEM**
[54] **SYSTEME DE RANGEMENT MURAL**
[72] IRWIN, CONNOR S., US
[72] WILLIAMS, BRIANNA E., US
[72] SANDOVAL, GABRIEL J., US
[72] KNIGHT, TYLER H., US
[72] RABAGO, RAQUEL M., US
[72] POLITTE, BENJAMIN G., US
[72] DUONG, HO QUYNH CHAU, US
[72] GROVES, JEFFREY, US
[72] BRYAN, FREDERICK W., US
[72] JENKINS, J. LUKE, US
[72] HANKS, NICOLAS J., US
[72] MOK, KWOK TING, XX
[72] TSE, YING CHUNG, XX
[72] MOK, MAN KIT, XX
[71] TECHTRONIC CORDLESS GP, US
[22] 2023-05-02
[41] 2023-11-04
[30] US (63/338319) 2022-05-04

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[21] **3,198,522**
[13] A1

[51] **Int.Cl. E04G 25/00 (2006.01) E04G 11/48 (2006.01) E04G 25/06 (2006.01)**
[25] EN
[54] **WEDGE FOR A SHORING SYSTEM AND RELATED METHODS**
[54] **COIN POUR SYSTEME DE CHEVALEMENT ET METHODES CONNEXES**
[72] BACON, DAVID L., US
[72] IVES, CODY, US
[71] TITAN FORMWORK SYSTEMS, LLC, US
[22] 2023-05-02
[41] 2023-11-02
[30] US (63/337,479) 2022-05-02

[21] **3,198,565**
[13] A1

[51] **Int.Cl. G06T 9/00 (2006.01) G06N 3/045 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **PREDICTIVE CODING OF LENSLET IMAGES**
[54] **CODAGE PREDICTIF D'IMAGES DE MICROLENTILLE**
[72] LI, ZHU, US
[71] ROVI GUIDES, INC., US
[22] 2023-05-02
[41] 2023-11-02
[30] US (17/734,611) 2022-05-02

[21] **3,198,586**
[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TOKEN AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE JETON**
[72] OSBORN, KEVIN, US
[72] WURMFELD, DAVID KELLY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2023-05-03
[41] 2023-11-03
[30] US (17/735,892) 2022-05-03

[21] **3,198,600**
[13] A1

[51] **Int.Cl. H01B 9/00 (2006.01) H01B 7/14 (2006.01) H01B 9/02 (2006.01) H01B 13/00 (2006.01)**
[25] EN
[54] **POWER CABLE WITH MECHANICAL SUPPORT LAYER**
[54] **CABLE D'ALIMENTATION COMPRENANT UNE COUCHE DE SUPPORT MECANIQUE**
[72] DAHL RYDE, CHRISTOFFER, SE
[72] SANDELL, HAKAN, SE
[72] TYRBERG, ANDREAS, SE
[72] PERSBERG, ANDREAS, SE
[72] LANGSTROM, SONNY, SE
[72] JOHANSSON, TOMMY, SE
[72] POURRAHIMI, AMIR, SE
[71] NKT HV CABLES AB, SE
[22] 2023-04-28
[41] 2023-10-29
[30] EP (22170841.5) 2022-04-29

[21] **3,198,616**
[13] A1

[51] **Int.Cl. C08L 69/00 (2006.01) A61K 9/00 (2006.01) A61K 47/30 (2006.01) A61K 47/34 (2017.01) A61P 37/02 (2006.01) C08L 29/04 (2006.01) C08L 67/00 (2006.01) C08L 101/16 (2006.01)**
[25] EN
[54] **SYNTHETIC IMPLANTABLE COMPOSITION WITH IMMUNOMODULATORY PROPERTIES**
[54] **COMPOSITION IMPLANTABLE SYNTHETIQUE PRESENTANT DES CARACTERISTIQUES IMMUNOMODULATRICES**
[72] AMSDEN, BRIAN G., CA
[72] CHEN, FEI, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[22] 2023-05-03
[41] 2023-11-04
[30] US (63338128) 2022-05-04

[21] **3,198,617**
[13] A1

[51] **Int.Cl. G06Q 30/0601 (2023.01) G06F 3/04845 (2022.01)**
[25] EN
[54] **SYSTEM TO FACILITATE PURCHASING**
[54] **SYSTEME POUR FACILITER LES ACHATS**
[72] KUTSCHINSKI, COLE, US
[71] BUY YOUR CAR, LLC, US
[22] 2023-04-28
[41] 2023-11-03
[30] US (17661867) 2022-05-03

[21] **3,198,687**
[13] A1

[51] **Int.Cl. F25D 3/08 (2006.01) A45C 11/20 (2006.01) A47G 23/04 (2006.01) B65D 43/22 (2006.01)**
[25] EN
[54] **SOFT-SIDED COOLER**
[54] **GLACIERE A PAROIS SOUPLES**
[72] NELSON, RONALD D., US
[72] LEIF, DAVID P., US
[72] HUMPHREYS, LUCAS C., US
[71] BASS PRO INTELLECTUAL PROPERTY, L.L.C., US
[22] 2023-04-28
[41] 2023-10-30
[30] US (63/337,098) 2022-04-30

[21] **3,198,694**
[13] A1

[51] **Int.Cl. A45B 25/22 (2006.01) A45B 25/08 (2006.01)**
[25] EN
[54] **CLAMP ASSEMBLY FOR UMBRELLAS**
[54] **ASSEMBLAGE DE PINCE POUR PARASOLS**
[72] PAUZE, PAUL, CA
[71] UMBRELLA SAVER INC., CA
[22] 2023-05-04
[41] 2023-11-04
[30] US (63338214) 2022-05-04

Canadian Applications Open to Public Inspection
October 29, 2023 to November 4, 2023

[21] **3,198,697**
[13] A1

[51] **Int.Cl. E05D 5/06 (2006.01) E05B 83/28 (2014.01) E05D 7/14 (2006.01)**
 [25] EN
 [54] **SECURE DOOR HINGE ASSEMBLY FOR SECURITY COMPARTMENT**
 [54] **ASSEMBLAGE DE CHARNIERE DE PORTE SECURITAIRE POUR COMPARTIMENT DE SECURITE**
 [72] BONVISSUTO, SCOTT, US
 [72] CANNIZZARO, CHRISTOPHER, US
 [72] DODSON, ADAM, US
 [72] RAGIAS, CHRISTOS, US
 [71] CONSOLE VAULT LLC, US
 [22] 2023-05-04
 [41] 2023-11-04
 [30] US (63/338,408) 2022-05-04

[21] **3,198,707**
[13] A1

[51] **Int.Cl. E04D 13/08 (2006.01) E03F 5/14 (2006.01)**
 [25] EN
 [54] **DOWNPOUT WITH DEBRIS TRAP**
 [54] **TUYAU DE DESCENTE PLUVIALE COMPRENANT UNE GRILLE A DEBRIS**
 [72] SUTTON, EDWARD (DECEASED), US
 [72] MARTINEZ, ANGEL G., US
 [72] JASANI, AMIN JR, US
 [71] ENGLERT, INC., US
 [22] 2023-05-03
 [41] 2023-11-04
 [30] US (17/736,227) 2022-05-04

[21] **3,198,741**
[13] A1

[51] **Int.Cl. E04D 13/064 (2006.01)**
 [25] EN
 [54] **COVERED RAIN GUTTER SYSTEM**
 [54] **SYSTEME DE GOUTTIERE DE PLUIE COUVERTE**
 [72] SUTTON, EDWARD, US
 [72] JASANI, AMIN, US
 [71] ENGLERT, INC., US
 [22] 2023-05-04
 [41] 2023-11-04
 [30] US (17/736,236) 2022-05-04
 [30] US (17/736,249) 2022-05-04

[21] **3,198,763**
[13] A1

[25] EN
 [54] **ELECTRICALLY CONDUCTIVE TOY BUILDING BLOCKS**
 [54] **BLOCS A CONDUCTION ELECTRIQUE POUR JEU DE CONSTRUCTION**
 [72] VAUGHAN, MARK, CA
 [71] VAUGHAN, MARK, CA
 [22] 2023-05-04
 [41] 2023-11-04
 [30] US (63338330) 2022-05-04

[21] **3,200,303**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) C09J 7/20 (2018.01) C09J 7/29 (2018.01) B64D 47/00 (2006.01)**
 [25] EN
 [54] **COLOUR-CHANGING COMPONENT FOR CABIN SURFACES**
 [54] **COMPOSANT A CHANGEMENT DE COULEUR POUR DES SURFACES DE CABINE**
 [72] SCHMID, FRANK, DE
 [71] DIEHL AEROSPACE GMBH, DE
 [22] 2023-04-04
 [41] 2023-10-29
 [30] DE (102022110491.5) 2022-04-29

[21] **3,209,720**
[13] A1

[51] **Int.Cl. C01B 11/10 (2006.01)**
 [25] EN
 [54] **METHOD AND PLANT FOR PRODUCTION OF SODIUM CHLORITE**
 [54] **METHODE ET INSTALLATION POUR LA PRODUCTION DE CHLORITE DE SODIUM**
 [72] TRUJILLO SANCHEZ, CAROLINA, CA
 [71] CHEMETICS INC., CA
 [22] 2023-08-21
 [41] 2023-10-31

[21] **3,209,854**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) E21B 41/00 (2006.01) E21B 44/00 (2006.01) E21B 47/00 (2012.01) G06F 15/16 (2006.01) H04B 15/00 (2006.01)**
 [25] EN
 [54] **SYSTEMS AND METHODS FOR PROCESSING SIGNALS WITH TELEMETRY DATA USING MACHINE LEARNING**
 [54] **SYSTEMES ET METHODES POUR LE TRAITEMENT DES SIGNAUX AU MOYEN DES DONNEES DE TELEMESURE, A L'AIDE DE L'APPRENTISSAGE MACHINE**
 [72] DIXON, STEVEN MICHAEL, US
 [72] BOHLANDER, SPENCER RYAN SMITH, US
 [72] YI, MICHAEL, US
 [72] IKUTA, TOSHIKAZU, US
 [72] ASHOK, PRADEEPKUMAR, US
 [71] DIXON, STEVEN MICHAEL, US
 [22] 2023-08-21
 [41] 2023-10-31
 [30] US (63/499,653) 2023-05-02

[21] **3,210,419**
[13] A1

[51] **Int.Cl. G06V 30/416 (2022.01) G06V 30/10 (2022.01) G06V 30/412 (2022.01) G06V 30/413 (2022.01) G06V 30/414 (2022.01) G06V 30/42 (2022.01) G06N 3/02 (2006.01)**
 [25] EN
 [54] **METHOD AND SYSTEM FOR EXTRACTING DATA FROM TABLES WITHIN REGULATORY CONTENT**
 [54] **METHODE ET SYSTEME POUR L'EXTRACTION DE DONNEES DE TABLEAUX DANS LE CONTENU REGLEMENTAIRE**
 [72] RAMEZANI, MAHDI, CA
 [72] SAHEBZAMANI, GHAZAL, CA
 [72] SAXIFRAGE, ROBIN, CA
 [72] GUEVARA, MARCEL JOSE, CA
 [71] MOORE & GASPERECZ GLOBAL INC., CA
 [22] 2023-08-29
 [41] 2023-11-04
 [30] US (17/898788) 2022-08-30

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,169,942**
[13] A1
[51] **Int.Cl. B65G 53/24 (2006.01)**
[25] EN
[54] **ASSEMBLIES, APPARATUS, SYSTEMS, AND METHODS FOR MATERIAL EXTRACTION AND CONVEYANCE**
[54] **ASSEMBLAGES, APPAREILS, SYSTEMES ET METHODES POUR L'EXTRACTION ET LE TRANSPORT DE MATERIAUX**
[72] THOMAS, RANDALL EARL, US
[71] INDUSTRIAL VACUUM TRANSFER SERVICES USA, LLC, US
[85] 2022-08-29
[86] 2022-07-08 (PCT/US2022/073542)
[87] (3169942)
[30] US (63/203.108) 2021-07-08
[30] US (63/364.630) 2022-05-13
[30] US (63/203.147) 2021-07-09
[30] US (63/264.015) 2021-11-12
[30] US (63/264.101) 2021-11-16
[30] US (63/367.218) 2022-06-29
[30] US (63/367.219) 2022-06-29
[30] US (63/367.570) 2022-07-01
[30] US (17/811.277) 2022-07-07
[30] US (17/811.280) 2022-07-07
[30] US (17/811.288) 2022-07-07
[30] US (17/811.291) 2022-07-07
[30] US (17/811.293) 2022-07-07
[30] US (17/811.295) 2022-07-07

[21] **3,172,217**
[13] A1
[51] **Int.Cl. A01B 35/28 (2006.01) A01B 35/00 (2006.01) A01B 37/00 (2006.01)**
[25] EN
[54] **LINE RESTORATION TOOLS, DRUMS FOR USE THEREWITH, AND METHODS OF USING THE SAME**
[54] **OUTILS DE RESTAURATION DE LIGNE, TAMBOURS DESTINES A ETRE UTILISES AVEC CEUX-CI, ET LEURS PROCEDES D'UTILISATION**
[72] SKIERKA, JOHN, CA
[71] S6 INNOVATIONS INC., CA
[85] 2022-09-16
[86] 2022-05-02 (PCT/CA2022/050675)
[87] (3172217)
[30] US (63/183,332) 2021-05-03

[21] **3,173,682**
[13] A1
[51] **Int.Cl. H01M 8/124 (2016.01)**
[25] EN
[54] **PROTON-CONDUCTING CERAMIC FUEL CELL ARCHITECTURE**
[54] **ARCHITECTURE DE PILE A COMBUSTIBLE EN CERAMIQUE CONDUCTRICE DE PROTONS**
[72] WOOD, ANTHONY, CA
[72] TANG, ZHENG, CA
[72] JOIA, TAHIR, CA
[71] VERSA POWER SYSTEMS LTD, US
[85] 2022-09-27
[86] 2022-09-12 (PCT/US2022/043189)
[87] (3173682)
[30] US (63/244,054) 2021-09-14

[21] **3,175,682**
[13] A1
[51] **Int.Cl. A61N 1/40 (2006.01) A61N 7/00 (2006.01)**
[25] EN
[54] **SKIN MANAGEMENT DEVICE**
[54] **APPAREIL DE TRAITEMENT DE LA PEAU**
[72] LEE, JEONG HO, KR
[71] APR CO., LTD., KR
[85] 2022-10-14
[86] 2022-05-02 (PCT/KR2022/006274)
[87] (3175682)

[21] **3,181,273**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 40/20 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **PROVISIONING MEDICAL RESOURCES TRIGGERED BY A LIFECYCLE EVENT**
[54] **APPROVISIONNEMENT EN RESSOURCES MEDICALES DECLENCHE PAR UN EVENEMENT DE CYCLE DE VIE**
[72] KETCHEL, PAUL J. III, US
[72] AIPPERSPACH, RYAN, US
[72] MARTIROSYAN, KAREN, US
[72] OSBORNE, ANI, US
[72] KAUFMAN, MARK, US
[72] BISCHOFF, MICHAEL, US
[72] SCHMIDT, DANIEL, US
[71] MDSAVE SHARED SERVICES INC., US
[85] 2022-12-02
[86] 2021-03-31 (PCT/US2021/025022)
[87] (WO2021/262276)
[30] US (16/913,662) 2020-06-26

PCT Applications Entering the National Phase

[21] **3,192,983**
[13] A1

[51] **Int.Cl. B29B 17/02 (2006.01)**
[25] EN
[54] **PLASTIC RECYCLING METHOD FOR PROCESSING PLASTIC WASTE**
[54] **METHODE DE RECYCLAGE DU PLASTIQUE POUR TRAITER LES DECHETS DE PLASTIQUE**
[72] STOLZENBERG, ANDREAS, DE
[72] BORGER, MARKUS, DE
[71] GRANNEX RECYCLING-TECHNIK GMBH & CO. KG, DE
[85] 2023-03-29
[86] 2022-04-29 (PCT/DE2022/100325)
[87] (3192983)

[21] **3,203,687**
[13] A1

[51] **Int.Cl. H02J 9/06 (2006.01) H02J 3/06 (2006.01)**
[25] EN
[54] **MOBILE MEMORY MODULE FOR ELECTRICAL TRANSFER SWITCH**
[54] **MODULE DE MEMOIRE MOBILE POUR UN COMMUTATEUR DE TRANSFERT ELECTRIQUE**
[72] BONACHEA, VICTOR, US
[72] HAYES, JOHN E., US
[72] IBRAHIM, MARIO, US
[71] ASCO POWER TECHNOLOGIES, L.P., US
[85] 2023-06-15
[86] 2023-02-28 (PCT/US2023/014065)
[87] (3203687)
[30] US (17/733,568) 2022-04-29

[21] **3,206,567**
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FORMING A PERMANENT BARRIER IN A WELL**
[54] **SYSTEME ET PROCEDE DE FORMATION D'UNE BARRIERE PERMANENTE DANS UN Puits**
[72] RUSTEN, TORGEIR, NO
[72] TONDEL, STIAN, NO
[71] INTERWELL P&A AS, NO
[85] 2023-07-26
[86] 2022-03-10 (PCT/EP2022/056115)
[87] (WO2022/194654)
[30] NO (20210355) 2021-03-19

[21] **3,210,825**
[13] A1

[51] **Int.Cl. G01J 3/36 (2006.01) G01J 3/42 (2006.01) G01N 21/31 (2006.01)**
[25] EN
[54] **MULTI-SLIT CONFIGURED HYPERSPECTRAL IMAGER**
[54] **IMAGEUR HYPERSPECTRAL A FENTES MULTIPLES**
[72] MCKEEVER, JASON, CA
[72] RAMIER, ANTOINE, CA
[72] DEGLINT, HANFORD, CA
[72] JERVIS, DYLAN, CA
[72] STRUPLER, MATHIAS, CA
[71] GHGSAT INC., CA
[85] 2023-08-31
[86] 2023-04-28 (PCT/CA2023/050573)
[87] (3210825)
[30] US (63/336,655) 2022-04-29

[21] **3,212,966**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) C12N 5/071 (2010.01)**
[25] EN
[54] **CELL ANALYSIS**
[54] **ANALYSE CELLULAIRE**
[72] LAMOND, ANGUS IAIN, GB
[72] SWEDLOW, JASON, GB
[72] PLATANI, MELPOMENI, GB
[71] UNIVERSITY OF DUNDEE, GB
[85] 2023-09-08
[86] 2022-03-08 (PCT/EP2022/055937)
[87] (WO2022/189453)
[30] EP (21386020.8) 2021-03-10

[21] **3,216,151**
[13] A1

[51] **Int.Cl. A01G 13/02 (2006.01) A01G 17/14 (2006.01) A45F 3/44 (2006.01) E02D 5/74 (2006.01) E02D 5/80 (2006.01) E02D 7/04 (2006.01) E02D 17/20 (2006.01)**
[25] EN
[54] **GROUND ANCHOR ASSEMBLY INCLUDING HIGH-LOAD GROUND ANCHOR AND METHOD OF USING SAME**
[54] **ENSEMBLE TIRANT D'ANCRAGE COMPRENANT UN TIRANT D'ANCRAGE A CHARGE ELEVEE ET SON PROCEDE D'UTILISATION**
[72] LIPSCOMB, CHAD, US
[71] WESTERN GREEN, LLC, US
[85] 2023-10-19
[86] 2022-04-26 (PCT/US2022/026348)
[87] (WO2022/232144)
[30] US (63/179,749) 2021-04-26

[21] **3,216,669**
[13] A1

[51] **Int.Cl. B60T 7/04 (2006.01) B60T 13/66 (2006.01) B60T 13/68 (2006.01)**
[25] EN
[54] **AUTOMATIC RETARDING CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE RETARDEMENT AUTOMATIQUE**
[72] JOHNSON, STEVEN EDWARD, US
[72] ADEEB, ADAM J., US
[71] CATERPILLAR INC., US
[85] 2023-10-25
[86] 2022-04-18 (PCT/US2022/025181)
[87] (WO2022/231878)
[30] US (17/242,529) 2021-04-28

[21] **3,216,782**
[13] A1

[51] **Int.Cl. A01G 27/04 (2006.01) A01G 9/02 (2018.01)**
[25] EN
[54] **WINDOW PLANTER INCLUDING SLIDABLE COMPARTMENTS**
[54] **JARDINIERE DE FENETRE COMPRENANT DES COMPARTIMENTS COULISSANTS**
[72] IERACI, BRUNO, US
[71] IERACI, BRUNO, US
[85] 2023-10-25
[86] 2022-05-18 (PCT/US2022/029767)
[87] (WO2022/245896)
[30] US (17/323,376) 2021-05-18

[21] **3,216,884**
[13] A1

[51] **Int.Cl. E06B 3/67 (2006.01)**
[25] FR
[54] **PERFORATED DEVICES AND GLAZINGS COMPRISING SAME**
[54] **DISPOSITIFS PERFORES ET VITRAGES LES COMPRENANT**
[72] ABBAD, AHMED, FR
[72] BOURE, JEAN-PHILIPPE, FR
[72] DALZIN, FABIEN, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2023-10-26
[86] 2022-05-06 (PCT/FR2022/050871)
[87] (WO2022/234237)
[30] FR (FR2104878) 2021-05-07

Demandes PCT entrant en phase nationale

[21] **3,216,896**
[13] A1

[51] **Int.Cl. C07D 203/22 (2006.01) C07F 9/02 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY BY USING AKRIC3-ACTIVATED COMPOUND WITH IMMUNE CHECKPOINT INHIBITOR**
[54] **POLYTHERAPIE FAISANT APPEL A UN COMPOSE ACTIVE PAR AKRIC3 AVEC UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE**
[72] LAI, MING-TAIN, TW
[72] LI, WAN-FEN, TW
[72] WANG, CHUN-CHUNG, TW
[72] CHEN, LU-TZU, TW
[71] OBI PHARMA, INC., TW
[85] 2023-10-26
[86] 2021-04-28 (PCT/US2021/029552)
[87] (WO2022/231580)

[21] **3,216,897**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01)**
[25] EN
[54] **SPACER WITH MOISTURE BARRIER**
[54] **ENTRETOISE AYANT UNE BARRIERE CONTRE L'HUMIDITE**
[72] CARRE, FLORIAN, DE
[72] HAGEN, JAN, DE
[72] SCHREIBER, WALTER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2023-10-26
[86] 2022-08-17 (PCT/EP2022/072974)
[87] (WO2023/025634)
[30] EP (21192568.0) 2021-08-23

[21] **3,216,898**
[13] A1

[51] **Int.Cl. C09K 21/12 (2006.01) C08K 5/3492 (2006.01)**
[25] EN
[54] **NOVEL FLAME RETARDANT**
[54] **NOUVEAU RETARDATEUR DE FLAMME**
[72] FUTTERER, THOMAS, DE
[72] GARCIA MARTINEZ, DAVID, ES
[72] MOSCHEL, SEBASTIAN, DE
[72] ROCHHOLZ, HEIKO, DE
[72] MOSS, TOBIAS, DE
[72] ABELE, BORS CAJUS, DE
[71] CHEMISCHE FABRIK BUDENHEIM KG, DE
[85] 2023-10-26
[86] 2022-07-22 (PCT/EP2022/070676)
[87] (WO2023/006622)
[30] DE (10 2021 119 326.5) 2021-07-26

[21] **3,216,902**
[13] A1

[51] **Int.Cl. C08B 37/02 (2006.01) C08K 5/09 (2006.01) C08L 5/02 (2006.01)**
[25] EN
[54] **CONSUMER AND INDUSTRIAL PRODUCTS COMPRISING A SURFACTANT AND FATTY ACID REACTION PRODUCTS OF DEXTRINS OR DEXTRAN**
[54] **PRODUITS DE GRANDE CONSOMMATION ET INDUSTRIELS COMPRENANT UN TENSIOACTIF ET DES PRODUITS DE REACTION D'ACIDES GRAS ET DE DEXTRINES OU DE DEXTRANE**
[72] GARDNER, CHRISTOPHER P., US
[72] ALMOND, STEPHEN WILLIAM, US
[71] INTEGRITY BIO-CHEMICALS, LLC, US
[85] 2023-10-26
[86] 2022-04-28 (PCT/US2022/026664)
[87] (WO2022/232352)
[30] US (63/181,523) 2021-04-29
[30] US (63/272,368) 2021-10-27

[21] **3,216,903**
[13] A1

[25] EN
[54] **METHOD FOR INDUCING HYPERTROPHIC MUSCLE FIBERS FOR INDUSTRIAL MEAT PRODUCTION**
[54] **PROCEDE D'INDUCTION DE FIBRES MUSCULAIRES HYPERTROPHIQUE POUR LA PRODUCTION INDUSTRIELLE DE VIANDE**
[72] TZAHOR, ELDAD, IL
[72] PORAT-AVINOAM, ORI, IL
[72] EIGLER-HIRSH, TAMAR MIRIAM ROZ, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2023-10-26
[86] 2022-05-05 (PCT/IL2022/050474)
[87] (WO2022/234586)
[30] IL (283011) 2021-05-06
[30] US (63/283,242) 2021-11-25

[21] **3,216,904**
[13] A1

[51] **Int.Cl. C07D 241/04 (2006.01)**
[25] EN
[54] **SALT CONTAINING PIPERAZINE POLYCYCLIC DERIVATIVE, CRYSTAL FORM THEREOF, PREPARATION METHOD THEREFOR, AND USE THEREOF**
[54] **SEL CONTENANT UN DERIVE POLYCYCLIQUE DE PIPERAZINE, SA FORME CRISTALLINE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] CHEN, JINYAO, CN
[72] LI, YUANYUAN, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2023-10-26
[86] 2022-04-27 (PCT/CN2022/089419)
[87] (WO2022/228447)
[30] CN (202110468491.2) 2021-04-28

PCT Applications Entering the National Phase

[21] 3,216,905 [13] A1	[21] 3,216,909 [13] A1	[21] 3,216,914 [13] A1
[51] Int.Cl. A61K 47/14 (2017.01) A61K 47/44 (2017.01) A61P 27/02 (2006.01)	[51] Int.Cl. C12N 15/90 (2006.01)	[51] Int.Cl. C12P 5/02 (2006.01) C25B 1/04 (2021.01)
[25] EN	[25] EN	[25] EN
[54] A SPECIFIC COMBINATION OF LIPIDS AND METHODS AND USES RELATED THERETO	[54] VIRAL VECTOR COMPOSITIONS AND METHODS OF USE THEREOF	[54] SYSTEM AND METHOD TO RECYCLE THE WATER AND AMMONIA AND OPTIONALLY OTHER CELL MEDIA NUTRIENTS FOR A POWER-TO-GAS PLANT IN BIOLOGICAL METHANATION UTILIZING BIOCATALYST (METHANOGEN)
[54] COMBINAISON SPECIFIQUE DE LIPIDES AINSI QUE METHODES ET UTILISATIONS ASSOCIEES	[54] COMPOSITIONS DE VECTEURS VIRAL ET LEURS PROCEDES D'UTILISATION	[54] SYSTEME ET PROCEDE DE RECYCLAGE DE L'EAU ET DE L'AMMONIAC ET EVENTUELLEMENT D'AUTRES NUTRIMENTS DE MILIEU CELLULAIRE POUR UNE CENTRALE DE TRANSFORMATION D'ENERGIE EN GAZ DANS LA METHANISATION BIOLOGIQUE UTILISANT UN BIOCATALYSEUR (METHANOGENE)
[72] EKHOLM, FILIP, FI	[72] XIONG, QIANG, US	[72] PINDER, ZACHARY, DE
[72] BLAND, HELENA, FI	[72] CHAU, B. NELSON, US	[72] RODRIGO, JOSE, DE
[72] RAITANEN, JAN-ERIK, FI	[71] LOGICBIO THERAPEUTICS, INC., US	[72] HAFENBRADL, DORIS, DE
[72] MOILANEN, JUKKA, FI	[85] 2023-10-26	[72] LEWANDOWSKI, BIRGIT, DE
[72] PAANANEN, RIKU, FI	[86] 2022-04-29 (PCT/US2022/026988)	[71] ELECTROCHAEA GMBH, DE
[72] VIITAJA, TUOMO, FI	[87] (WO2022/232545)	[85] 2023-10-26
[71] HELSINGIN YLIOPISTON RAHASTOT, FI	[30] US (63/182,738) 2021-04-30	[86] 2022-05-18 (PCT/EP2022/063412)
[85] 2023-10-26		[87] (WO2022/243361)
[86] 2022-04-29 (PCT/EP2022/061585)	[21] 3,216,913 [13] A1	[30] DE (10 2021 112 887.0) 2021-05-18
[87] (WO2022/229441)	[25] EN	
[30] FI (20215505) 2021-04-30	[54] METHODS FOR COMPENSATING COLORS BASED ON LUMINANCE ADJUSTMENT PARAMETERS AND THE RELATED DISPLAY DEVICES	
	[54] PROCEDES DE COMPENSATION DE COULEURS SUR LA BASE DE PARAMETRES DE REGLAGE DE LUMINANCE ET DISPOSITIFS D'AFFICHAGE ASSOCIES	
	[72] WANG, TSUN-I, CN	
	[72] WU, CHING-CHUN, CN	
	[72] YANG, CHIA-LIANG, CN	
	[71] DYNASCAN TECHNOLOGY CORP., CN	
	[85] 2023-10-26	
	[86] 2022-04-29 (PCT/CN2022/090177)	
	[87] (WO2022/233266)	
	[30] US (63/183,490) 2021-05-03	
[21] 3,216,907 [13] A1		[21] 3,216,918 [13] A1
[51] Int.Cl. A61K 31/198 (2006.01) A61P 17/02 (2006.01) C07C 229/42 (2006.01) C07D 217/26 (2006.01)		[51] Int.Cl. B65C 9/40 (2006.01) G06N 20/00 (2019.01)
[25] EN		[25] EN
[54] METHODS OF USING A SMALLL MOLECULE CHEMICAL COMPOUND TO REDUCE THE APPEARANCE OF POST-ACNE ATROPHIC SCARRING		[54] METHOD FOR OPERATING A LABELING SYSTEM
[54] KYNURENINE ET SES DERIVES POUR LE TRAITEMENT DE LA FORMATION DE CICATRICES ATROPHIQUES		[54] PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME D'ETIQUETAGE
[72] MILLER, MARK S., CA		[72] KORTHAUER, NADINA, DE
[72] BOURNE, JONATHAN W., US		[71] ESPERA-WERKE GMBH, DE
[71] BIRCHBIOMED INC., CA		[85] 2023-10-26
[85] 2023-10-26		[86] 2022-05-11 (PCT/EP2022/062810)
[86] 2022-05-09 (PCT/CA2022/050722)		[87] (WO2022/238494)
[87] (WO2022/232950)		[30] DE (10 2021 112 479.4) 2021-05-12
[30] US (63/185,994) 2021-05-07		

Demandes PCT entrant en phase nationale

[21] **3,216,919**
[13] A1

[51] **Int.Cl. D21H 11/18 (2006.01) A61K 8/73 (2006.01)**
[25] EN
[54] **TYPE II UNMODIFIED CELLULOSE MICROFIBERS, AND METHOD FOR MANUFACTURING TYPE II UNMODIFIED CELLULOSE MICROFIBERS AND COMPACT OF SAME**
[54] **MICROFIBRES DE CELLULOSE NON MODIFIEE DE TYPE II, ET PROCEDE DE FABRICATION DE MICROFIBRES DE CELLULOSE NON MODIFIEE DE TYPE II ET ENSEMBLE COMPACT DE CELLES-CI**
[72] IWATA, IPPEI, JP
[72] YAMAZAKI, ASUKA, JP
[71] FUTAMURA KAGAKU KABUSHIKI KAISHA, JP
[85] 2023-10-26
[86] 2022-06-28 (PCT/JP2022/025744)
[87] (WO2023/017687)
[30] JP (2021-130565) 2021-08-10

[21] **3,216,924**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **LASER PULSE SELECTION USING MOTORIZED SHUTTER**
[54] **SELECTION D'IMPULSIONS LASER A L'AIDE D'UN OBTURATEUR MOTORISE**
[72] JUNG, DAVID, US
[72] CASTRO, DANIEL, US
[72] BOR, ZSOLT, US
[72] STEWART, COREY, US
[72] LEE, BILLY, US
[71] ALCON INC., CH
[85] 2023-10-26
[86] 2022-05-05 (PCT/IB2022/054182)
[87] (WO2022/238828)
[30] US (63/186,387) 2021-05-10

[21] **3,216,926**
[13] A1

[25] EN
[54] **APPARATUS AND METHOD FOR SECUREMENT OF A MEDICAL ARTICLE**
[54] **APPAREIL ET PROCEDE DE FIXATION D'UN ARTICLE MEDICAL**
[72] BARNETT-VANES, ASHTON, GB
[72] KITCHING, ALAN, GB
[71] JAVELO HEALTH LIMITED, GB
[85] 2023-10-26
[86] 2022-05-03 (PCT/GB2022/051117)
[87] (WO2022/234258)
[30] GB (2106374.8) 2021-05-04
[30] GB (2114275.7) 2021-10-05

[21] **3,216,927**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS TO PROCESS ELECTRONIC IMAGES TO IDENTIFY ATTRIBUTES**
[54] **SYSTEMES ET PROCEDES POUR TRAITER DES IMAGES ELECTRONIQUES AFIN D'IDENTIFIER DES ATTRIBUTS**
[72] GORTON, DANIELLE, US
[72] HANNA, MATTHEW, US
[72] KANAN, CHRISTOPHER, US
[71] PAIGE AI, INC., US
[85] 2023-10-26
[86] 2022-04-08 (PCT/US2022/023941)
[87] (WO2022/235375)
[30] US (63/183,290) 2021-05-03
[30] US (17/591,640) 2022-02-03

[21] **3,216,929**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **SURGICAL LASER SYSTEM WITH ILLUMINATION**
[54] **SYSTEME LASER CHIRURGICAL AVEC ECLAIRAGE**
[72] BOR, ZSOLT, US
[72] APOSTOL, ADELA, US
[72] CASTRO, DANIEL, US
[72] KHAZAEINEZHAD, REZA, US
[72] OVCHINNIKOV, MIKHAIL, US
[72] MALEK TABRIZI, ALIREZA, US
[72] WATANABE, KEITH, US
[72] STEWART, COREY, US
[71] ALCON INC., CH
[85] 2023-10-26
[86] 2022-05-05 (PCT/IB2022/054180)
[87] (WO2022/234521)
[30] US (63/185,623) 2021-05-07

[21] **3,216,930**
[13] A1

[51] **Int.Cl. B62M 27/02 (2006.01)**
[25] EN
[54] **HYBRID DRIVE SNOWMOBILE AND HYBRIDIZATION KIT FOR A SNOWMOBILE**
[54] **MOTONEIGE A ENTRAINEMENT HYBRIDE ET KIT D'HYBRIDATION POUR MOTONEIGE**
[72] MORFINO, LUCA, IT
[71] EFESTO S.A.R.L., FR
[85] 2023-10-26
[86] 2022-04-28 (PCT/IB2022/053953)
[87] (WO2022/229897)
[30] IT (102021000010769) 2021-04-28

[21] **3,216,938**
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01) F03D 80/30 (2016.01) F03D 80/40 (2016.01)**
[25] EN
[54] **WIND TURBINE BLADE HAVING AN ELECTRO-THERMAL SYSTEM**
[54] **PALE D'EOLIENNE DOTEE D'UN SYSTEME ELECTRO-THERMIQUE**
[72] TOVAR, ISAAC, DK
[72] HANSEN, ALLAN, DK
[72] DEVARAJ, RAJAMANOHARI, DK
[72] MIRANDA, VICTOR, DK
[72] HANSEN, LARS BO, DK
[72] BENTSEN, PETER, DK
[71] LM WIND POWER A/S, DK
[85] 2023-10-26
[86] 2022-07-05 (PCT/EP2022/068557)
[87] (WO2023/280838)
[30] EP (21184064.0) 2021-07-06

PCT Applications Entering the National Phase

[21] **3,216,940**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS RELATED TO CELL-CYCLE RNAS**
[54] **METHODES ET COMPOSITIONS POUR LA PREPARATION D'ARN A CYCLE CELLULAIRE**
[72] TENEN, DANIEL GEOFFREY, US
[72] DI RUSCIO, ANNALISA, US
[72] EBRALIDZE, ALEXANDER K., US
[72] CRANE-ROBINSON, COLYN, GB
[72] UMMARINO, SIMONE, US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, US
[71] UNIVERSITY OF PORTSMOUTH HIGHER EDUCATION CORPORATION, GB
[85] 2023-10-26
[86] 2022-04-25 (PCT/US2022/026118)
[87] (WO2022/232012)
[30] US (63/180,756) 2021-04-28

[21] **3,216,941**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01)**
[25] EN
[54] **COMPOSITION FOR DRUG DELIVERY COMPRISING NANOPARTICLES NOT CONTAINING AMPHIPHILIC POLYMER**
[54] **COMPOSITION DESTINEE A L'ADMINISTRATION DE MEDICAMENT COMPRENANT DES NANOPARTICULES NE CONTENANT PAS DE POLYMERE AMPHIPHILE**
[72] LEE, SO JIN, KR
[72] KIM, GO EUN, KR
[72] PARK, JOON YOUNG, KR
[71] SAMYANG HOLDINGS CORPORATION, KR
[85] 2023-10-26
[86] 2022-04-29 (PCT/KR2022/006177)
[87] (WO2022/231375)
[30] KR (10-2021-0056374) 2021-04-30

[21] **3,216,944**
[13] A1

[51] **Int.Cl. C10C 1/19 (2006.01) C10G 55/02 (2006.01)**
[25] EN
[54] **ON-SITE SOLVENT GENERATION AND MAKEUP FOR TAR SOLVATION IN AN OLEFIN PLANT**
[54] **GENERATION DE SOLVANT SUR SITE ET APPOINT PERMETTANT LA SOLVATATION DE GOUDRON DANS UNE INSTALLATION DE PRODUCTION D'OLEFINES**
[72] SELLINGER, DAVID, US
[72] REYNEKE, RIAN, US
[72] YEH, QUO-CHEN, US
[72] SRIVASTAVA, ALOK, US
[72] HAMILTON, KRISTINE E., US
[72] RADZICKI, MICHAEL A., US
[72] SHULIK, LARRY J., US
[72] ARNOLD, JAMES R., US
[71] KELLOGG BROWN & ROOT LLC, US
[85] 2023-10-26
[86] 2022-04-27 (PCT/US2022/026535)
[87] (WO2022/232271)
[30] US (63/180,266) 2021-04-27

[21] **3,216,946**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01)**
[25] EN
[54] **KIT FOR PREPARING NANOPARTICLES CONTAINING DRUG AND COMPRISING NO AMPHIPHILIC POLYMERS**
[54] **KIT DE PREPARATION DE NANOPARTICULES CONTENANT UN MEDICAMENT ET NE COMPRENANT PAS DE POLYMERE AMPHIPHILE**
[72] LEE, SO JIN, KR
[72] KIM, GO EUN, KR
[72] PARK, JOON YOUNG, KR
[71] SAMYANG HOLDINGS CORPORATION, KR
[85] 2023-10-26
[86] 2022-04-29 (PCT/KR2022/006174)
[87] (WO2022/231374)
[30] KR (10-2021-0056374) 2021-04-30

[21] **3,216,949**
[13] A1

[51] **Int.Cl. G06K 7/10 (2006.01)**
[25] FR
[54] **WIRELESS COMMUNICATION DEVICE COMPRISING A PLURALITY OF ANTENNAS, ASSOCIATED FACILITY AND COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION SANS FIL COMPRENANT UNE PLURALITE D'ANTENNES, INSTALLATION ET PROCEDE DE COMMUNICATION ASSOCIES**
[72] MONGRENIER, JEAN-CLAUDE, FR
[71] BIOLOG-ID, FR
[85] 2023-10-26
[86] 2022-04-27 (PCT/EP2022/061142)
[87] (WO2022/229242)
[30] FR (FR2104354) 2021-04-27

[21] **3,216,953**
[13] A1

[51] **Int.Cl. C07C 5/327 (2006.01) C01B 3/26 (2006.01) C07C 2/40 (2006.01) C07C 4/22 (2006.01) C07C 5/32 (2006.01)**
[25] EN
[54] **DIMERIZATION OF CYCLOPENTADIENE FROM SIDE STREAM FROM DEBUTANIZER**
[54] **DIMERISATION DE CYCLOPENTADIENE A PARTIR D'UN COURANT LATERAL D'UN DEBUTANISEUR**
[72] SELLINGER, DAVID, US
[72] CHOI, ROBERT, US
[72] YEH, QUO-CHEN, US
[72] SRIVASTAVA, ALOK, US
[72] HAMILTON, KRISTINE E., US
[72] RADZICKI, MICHAEL A., US
[71] KELLOGG BROWN & ROOT LLC, US
[85] 2023-10-26
[86] 2022-04-27 (PCT/US2022/026537)
[87] (WO2022/232273)
[30] US (63/180,282) 2021-04-27

Demandes PCT entrant en phase nationale

[21] **3,216,954**
[13] A1

[51] **Int.Cl. F25J 3/00 (2006.01)**
[25] EN
[54] **SIDE DRAW REFLUX HEAVY HYDROCARBON REMOVAL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ELIMINATION D'HYDROCARBURES LOURDS A REFLUX PAR SOUTIRAGE LATERAL**
[72] DUCOTE, DOUGLAS A. JR., US
[72] GUSHANAS, TIMOTHY P., US
[72] GLANVILLE, MARK R., US
[72] VIPPERLA, RAVIKUMAR, US
[72] TURNER, PETER J., US
[72] HEYRMAN, BRENT A., US
[71] CHART ENERGY & CHEMICALS, INC., US
[85] 2023-10-26
[86] 2022-05-13 (PCT/US2022/029194)
[87] (WO2022/241216)
[30] US (63/188,846) 2021-05-14

[21] **3,216,955**
[13] A1

[51] **Int.Cl. B01F 33/82 (2022.01) B29B 7/00 (2006.01) C04B 26/32 (2006.01) C04B 28/00 (2006.01) C04B 28/26 (2006.01) C04B 40/06 (2006.01) C08G 77/02 (2006.01) C08L 83/02 (2006.01) E21D 20/02 (2006.01)**
[25] FR
[54] **ASSEMBLY FOR PREPARING AN INJECTABLE COMPOSITION**
[54] **ENSEMBLE DE PREPARATION D'UNE COMPOSITION INJECTABLE**
[72] WEBER, FRANK, LU
[72] FERSTLER, FABRICE, LU
[71] WEBER MINING & TUNNELLING, FR
[85] 2023-10-26
[86] 2022-06-06 (PCT/EP2022/065291)
[87] (WO2022/258552)
[30] FR (FR2105991) 2021-06-07

[21] **3,216,958**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC CARBON INTENSITY CALCULATION AND TRACKING**
[54] **SYSTEMES ET PROCEDES DE CALCUL ET DE SUIVI AUTOMATIQUES D'INTENSITE DE CARBONE**
[72] GRUBER, PATRICK, US
[72] IMPEKOVEN, CHRISTOPH, DE
[71] GRUBER, PATRICK, US
[71] IMPEKOVEN, CHRISTOPH, DE
[85] 2023-10-26
[86] 2022-04-26 (PCT/US2022/026375)
[87] (WO2022/232162)
[30] US (63/180,309) 2021-04-27

[21] **3,216,959**
[13] A1

[51] **Int.Cl. G01T 1/178 (2006.01)**
[25] EN
[54] **RADON MONITORING**
[54] **SURVEILLANCE DE RADON**
[72] PETTERSEN, DAG MATTIS, NO
[71] AIRTHINGS ASA, NO
[85] 2023-10-26
[86] 2022-05-05 (PCT/EP2022/062218)
[87] (WO2022/234048)
[30] GB (2106405.0) 2021-05-05

[21] **3,216,964**
[13] A1

[51] **Int.Cl. B02C 19/06 (2006.01)**
[25] EN
[54] **SPIRAL JET MILL AND METHOD FOR GRINDING MATERIALS TO BE GROUND IN A SPIRAL JET MILL**
[54] **BROYEUR A JET EN SPIRALE ET PROCEDE POUR BROYSER DES MATIERES A BROYSER DANS UN BROYSER A JET EN SPIRALE**
[72] LUCZAK, BARTHOLOMAUS, DE
[72] MULLER, ROLF, DE
[72] PESCH, TIM, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
[85] 2023-10-26
[86] 2022-05-13 (PCT/EP2022/063088)
[87] (WO2022/238573)
[30] EP (21173898.4) 2021-05-14

[21] **3,216,965**
[13] A1

[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/82 (2006.01) A61B 17/84 (2006.01)**
[25] EN
[54] **BONE REPAIR DEVICES AND METHODS**
[54] **DISPOSITIFS ET METHODES DE REPARATION OSSEUSE**
[72] HOUFF, LOUIS A., US
[72] RICHARDSON, KENNETH W., US
[71] CIRCUMFIX SOLUTIONS, INC., US
[85] 2023-10-26
[86] 2022-04-26 (PCT/US2022/026358)
[87] (WO2022/232151)
[30] US (63/180,561) 2021-04-27
[30] US (63/227,060) 2021-07-29

[21] **3,216,968**
[13] A1

[51] **Int.Cl. C09J 7/35 (2018.01) C09J 123/26 (2006.01) C09J 151/06 (2006.01)**
[25] EN
[54] **MULTILAYER SHEET AND PRODUCTION METHOD THEREOF**
[54] **FEUILLE MULTICOUCHE ET SON PROCEDE DE PRODUCTION**
[72] IMAHORI, MAKOTO, JP
[72] MIYAMURA, KENTARO, JP
[72] IWATSUKI, KEIGO, JP
[72] TSUDA, TAKASHI, JP
[71] TOAGOSEI CO., LTD., JP
[85] 2023-10-26
[86] 2022-04-27 (PCT/JP2022/019093)
[87] (WO2022/230938)
[30] JP (2021-075960) 2021-04-28

[21] **3,216,969**
[13] A1

[51] **Int.Cl. C01B 32/215 (2017.01)**
[25] EN
[54] **PROCESS AND REACTOR FOR REMOVING IMPURITIES FROM CARBON MATERIAL**
[54] **PROCEDE ET REACTEUR POUR L'ELIMINATION D'IMPURETES D'UNE MATIERE CARBONNEE**
[72] ADHAM, KAMAL, CA
[72] FRANCEY, SABRINA ANTONIA, CA
[72] TOHN, ANDREW PETER, CA
[72] MCINTYRE, CHRISTOPHER JOHN, CA
[71] HATCH LTD., CA
[85] 2023-10-26
[86] 2022-04-28 (PCT/CA2022/050653)
[87] (WO2022/226654)
[30] US (63/181,633) 2021-04-29

PCT Applications Entering the National Phase

[21] **3,216,970**
[13] A1

[51] **Int.Cl. C07C 255/53 (2006.01) C07C 37/14 (2006.01) C07C 47/565 (2006.01)**
[25] EN
[54] **SYNTHESIS OF CBN AND CBNV**
[54] **SYNTHESE DE CBN ET CBNV**
[72] KAVARANA, MALCOLM J., US
[71] TEEWINOT LIFE SCIENCES CORPORATION, US
[85] 2023-10-26
[86] 2022-04-26 (PCT/US2022/026298)
[87] (WO2022/232109)
[30] US (63/180,283) 2021-04-27

[21] **3,216,972**
[13] A1

[51] **Int.Cl. C07D 257/02 (2006.01) C07F 5/00 (2006.01)**
[25] EN
[54] **MANUFACTURING OF DIMERIC CONTRAST AGENTS**
[54] **FABRICATION D'AGENTS DE CONTRASTE DIMERES**
[72] BANIN, ANDREA, IT
[72] BARALE, ANDREA, IT
[72] BOI, VALERIA, IT
[72] GAZZETTO, SONIA, IT
[72] BUONSANTI, FEDERICA, IT
[71] BRACCO IMAGING SPA, IT
[85] 2023-10-26
[86] 2022-07-26 (PCT/EP2022/070901)
[87] (WO2023/006721)
[30] EP (21187883.0) 2021-07-27

[21] **3,216,973**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01) A61B 90/10 (2016.01) A61B 90/11 (2016.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/178 (2006.01) A61M 5/19 (2006.01) A61M 5/32 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **IMPLANTABLE GUIDE DEVICE**
[54] **DISPOSITIF DE GUIDAGE IMPLANTABLE**
[72] GILL, STEVEN STREATFIELD, GB
[72] GILL, THOMAS, GB
[71] NEUROCHASE TECHNOLOGIES LIMITED, GB
[85] 2023-10-26
[86] 2022-04-29 (PCT/GB2022/051104)
[87] (WO2022/229662)
[30] GB (2106224.5) 2021-04-30
[30] GB (2106203.9) 2021-04-30
[30] GB (2106210.4) 2021-04-30

[21] **3,216,974**
[13] A1

[51] **Int.Cl. A47J 27/04 (2006.01)**
[25] EN
[54] **MACHINE FOR COOKING FOOD IN A CONTAINER**
[54] **MACHINE DE CUISSON D'ALIMENTS DANS UN RECIPIENT**
[72] RANA, GIAN LUCA, IT
[71] PASTIFICIO RANA S.P.A., IT
[85] 2023-10-26
[86] 2022-05-11 (PCT/IB2022/054383)
[87] (WO2022/238924)
[30] IT (102021000012230) 2021-05-12

[21] **3,216,978**
[13] A1

[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREILS DE COMMUNICATION**
[72] HU, MENGSHI, CN
[72] SUN, YINGXIANG, CN
[72] LIU, CHENCHEN, CN
[72] HAN, XIAO, CN
[72] DU, RUI, CN
[72] ZHANG, MEIHONG, CN
[72] YANG, XUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-10-26
[86] 2022-04-22 (PCT/CN2022/088401)
[87] (WO2022/228296)
[30] CN (202110456293.4) 2021-04-26
[30] CN (202110727648.9) 2021-06-29

[21] **3,216,979**
[13] A1

[51] **Int.Cl. C07C 5/09 (2006.01)**
[25] EN
[54] **UPGRADING STREAMS COMPRISING C3 AND C4 HYDROCARBONS**
[54] **VALORISATION DE FLUX COMPRENANT DES HYDROCARBURES C3 ET C4**
[72] SELLINGER, DAVID, US
[72] CHOI, ROBERT, US
[72] YEH, QUO-CHEN, US
[72] SRIVASTAVA, ALOK, US
[72] HAMILTON, KRISTINE E., US
[72] RADZICKI, MICHAEL A., US
[71] KELLOGG BROWN & ROOT LLC, US
[85] 2023-10-26
[86] 2022-04-27 (PCT/US2022/026543)
[87] (WO2022/232278)
[30] US (63/180,311) 2021-04-27

[21] **3,216,980**
[13] A1

[51] **Int.Cl. H02J 1/00 (2006.01) H02J 7/00 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **POWER SUPPLY SYSTEM AND ELECTRICITY STORAGE DEVICE**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE ET DISPOSITIF DE STOCKAGE D'ELECTRICITE**
[72] SEKIGUCHI, KUNIHISA, JP
[72] KONDA, NAOAKI, JP
[71] FDK CORPORATION, JP
[85] 2023-10-26
[86] 2022-02-03 (PCT/JP2022/004205)
[87] (WO2022/264485)
[30] JP (2021-099273) 2021-06-15

Demandes PCT entrant en phase nationale

[21] **3,216,982**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01) A61B 90/10 (2016.01) A61B 90/11 (2016.01) A61J 1/20 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/178 (2006.01) A61M 5/19 (2006.01) A61M 5/32 (2006.01) A61M 39/10 (2006.01)**

[25] EN
[54] **VARIABLE DOSE THERAPEUTIC AGENT DISPENSER**
[54] **DISTRIBUTEUR D'AGENT THERAPEUTIQUE A DOSE VARIABLE**

[72] GILL, STEVEN STREATFIELD, GB
[72] GILL, THOMAS, GB
[71] NEUROCHASE TECHNOLOGIES LIMITED, GB
[85] 2023-10-26
[86] 2022-04-29 (PCT/GB2022/051102)
[87] (WO2022/229660)
[30] GB (2106224.5) 2021-04-30
[30] GB (2106203.9) 2021-04-30
[30] GB (2106210.4) 2021-04-30

[21] **3,216,983**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01) A61B 90/10 (2016.01) A61B 90/11 (2016.01) A61B 17/32 (2006.01) A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/178 (2006.01) A61M 5/19 (2006.01) A61M 5/32 (2006.01) A61M 5/38 (2006.01)**

[25] EN
[54] **NEUROSURGICAL DEVICE**
[54] **DISPOSITIF NEUROCHIRURGICAL**

[72] GILL, STEVEN STREATFIELD, GB
[72] GILL, THOMAS, GB
[71] NEUROCHASE TECHNOLOGIES LIMITED, GB
[85] 2023-10-26
[86] 2022-04-29 (PCT/GB2022/051101)
[87] (WO2022/229659)
[30] GB (2106203.9) 2021-04-30
[30] GB (2106210.4) 2021-04-30
[30] GB (2106224.5) 2021-04-30

[21] **3,216,984**
[13] A1

[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/10 (2020.01) A24F 40/20 (2020.01) A24F 40/30 (2020.01) A24F 40/42 (2020.01) A24F 40/44 (2020.01) A24F 40/46 (2020.01) A24F 40/51 (2020.01)**

[25] EN
[54] **AEROSOL-GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**

[72] PARK, JUEON, KR
[72] KIM, MINKYU, KR
[72] LEE, JONGSUB, KR
[72] CHO, BYUNGSUNG, KR
[71] KT&G CORPORATION, KR
[85] 2023-10-26
[86] 2022-05-19 (PCT/KR2022/007183)
[87] (WO2022/245154)
[30] KR (10-2021-0065341) 2021-05-21

[21] **3,216,986**
[13] A1

[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/0781 (2010.01)**

[25] EN
[54] **COMPOSITIONS AND METHODS FOR DIFFERENTIATING AND EXPANDING B LINEAGE CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR DIFFERENCIER ET MULTIPLIER DES CELLULES DE LIGNEE B**

[72] TABATABAEI-ZAVAREH, NOOSHIN, CA
[72] BRAUER, PATRICK, CA
[71] STEMCELL TECHNOLOGIES CANADA INC., CA
[85] 2023-10-26
[86] 2022-04-29 (PCT/CA2022/050662)
[87] (WO2022/226659)
[30] US (63/182,054) 2021-04-30

[21] **3,216,987**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/52 (2006.01)**

[25] EN
[54] **BLOOD TEST TO SCREEN OUT PARKINSON'S DISEASE**
[54] **TEST SANGUIN PERMETTANT DE DEPISTER LA MALADIE DE PARKINSON**

[72] O'BRYANT, SID E., US
[71] UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER AT FORT WORTH, US
[85] 2023-10-26
[86] 2022-05-06 (PCT/US2022/028092)
[87] (WO2022/236069)
[30] US (63/185,563) 2021-05-07

[21] **3,216,988**
[13] A1

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

[25] EN
[54] **TRANSGENIC RODENTS EXPRESSING CHIMERIC EQUINE-RODENT ANTIBODIES AND METHODS OF USE THEREOF**
[54] **RONGEURS TRANSGENIQUES EXPRIMANT DES ANTICORPS CHIMERIQUES DE RONGEURS-EQUINS ET LEURS METHODES D'UTILISATION**

[72] MUELLER, WERNER, DE
[72] BURROWS, PETER, US
[72] DUONG, BAO, US
[72] WABL, MATTHIAS, US
[71] TRIANNI, INC., US
[85] 2023-10-26
[86] 2022-05-04 (PCT/US2022/027622)
[87] (WO2022/235759)
[30] US (63/184,440) 2021-05-05

PCT Applications Entering the National Phase

[21] 3,216,989 [13] A1	[21] 3,216,991 [13] A1	[21] 3,216,993 [13] A1
[51] Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/12 (2016.01) A23L 33/175 (2016.01) A23L 33/19 (2016.01) A61K 31/195 (2006.01) A61K 31/202 (2006.01) A61K 38/01 (2006.01) A61P 21/06 (2006.01)	[51] Int.Cl. C12Q 1/6853 (2018.01) C12Q 1/6865 (2018.01)	[51] Int.Cl. B23K 1/00 (2006.01) B23K 35/02 (2006.01)
[25] EN	[25] EN	[25] EN
[54] NUTRITIONAL COMPOSITIONS FOR PRESERVING MUSCLE MASS	[54] LINEAR DNA WITH ENHANCED RESISTANCE AGAINST EXONUCLEASES	[54] BRAZING SHEETS, ARTICLES FORMED FROM BRAZING SHEETS, AND METHODS OF FORMING ARTICLES
[54] COMPOSITIONS NUTRITIONNELLES POUR LA CONSERVATION DE LA MASSE MUSCULAIRE	[54] ADN LINEAIRE PRESENTANT UNE RESISTANCE ACCRUE CONTRE LES EXONUCLEASES	[54] TOLES A BRASAGE, ARTICLES FORMES A PARTIR DESDITES TOLES A BRASAGE ET PROCEDES DE FORMATION D'ARTICLES
[72] SMEETS, RUDOLF LEONARDUS LODEWIJK, NL	[72] LANCKRIET, HEIKKI, GB	[72] BEITTENMILLER, KATE J., US
[72] HAGEMAN, ROBERT JOHAN JOSEPH, NL	[72] PICHER, ANGEL, ES	[72] ZONKER, HARRY R., US
[71] DUTCH MEDICAL FOOD B.V., NL	[72] WALKER, AMY, GB	[72] REN, BAOLUTE, US
[85] 2023-10-26	[71] 4BASEBIO, S.L.U., ES	[71] ARCONIC TECHNOLOGIES LLC, US
[86] 2022-05-04 (PCT/NL2022/050244)	[85] 2023-10-26	[85] 2023-10-26
[87] (WO2022/240286)	[86] 2022-04-29 (PCT/EP2022/061630)	[86] 2022-04-20 (PCT/US2022/071814)
[30] EP (21173932.1) 2021-05-14	[87] (WO2022/229460)	[87] (WO2022/246353)
	[30] EP (21382377.6) 2021-04-29	[30] US (63/191,362) 2021-05-21
	[21] 3,216,992 [13] A1	
	[51] Int.Cl. B01D 53/32 (2006.01) C01B 32/166 (2017.01) C25B 1/135 (2021.01) B01D 53/62 (2006.01) B01D 53/77 (2006.01) C25C 7/00 (2006.01) C25C 7/02 (2006.01)	[21] 3,216,994 [13] A1
	[25] EN	[51] Int.Cl. B05B 1/08 (2006.01) B05B 3/16 (2006.01)
	[54] APPARATUS, SYSTEM AND METHOD FOR DIRECT CAPTURE OF CARBON-CONTAINING GAS	[25] EN
	[54] APPAREIL, SYSTEME ET PROCEDE DE CAPTURE DIRECTE DE GAZ CONTENANT DU CARBONE	[54] NOZZLE FOR THE PRODUCTION OF A PULSATILE JET OF FLUID
	[72] LICHT, STUART, US	[54] BUSE DE PRODUCTION D'UN JET DE FLUIDE PULSATILE
	[72] LICHT, GAD, US	[72] RUCHAT, PATRICK, CH
	[71] DIRECT AIR CAPTURE, LLC, US	[71] CARVAMED SA, CH
	[85] 2023-10-26	[85] 2023-10-26
	[86] 2022-04-26 (PCT/US2022/026365)	[86] 2022-05-02 (PCT/IB2022/054038)
	[87] (WO2022/232155)	[87] (WO2022/234432)
	[30] US (63/179,778) 2021-04-26	[30] EP (21172887.8) 2021-05-07
	[30] US (63/305,544) 2022-02-01	
	[30] US (63/318,944) 2022-03-11	
[21] 3,216,990 [13] A1		
[51] Int.Cl. C10G 45/00 (2006.01) C10G 45/32 (2006.01) C10G 65/02 (2006.01) C10G 65/06 (2006.01)		
[25] EN		
[54] HYDROGENATION OF ACETYLENES IN A HYDROCARBON STREAM		
[54] HYDROGENATION D'ACETYLENES DANS UN COURANT D'HYDROCARBURES		
[72] SELLINGER, DAVID, US		
[72] CHOI, ROBERT, US		
[72] YEH, QUO-CHEN, US		
[72] SRIVASTAVA, ALOK, US		
[72] HAMILTON, KRISTINE E., US		
[72] RADZICKI, MICHAEL A., US		
[71] KELLOGG BROWN & ROOT LLC, US		
[85] 2023-10-26		
[86] 2022-04-27 (PCT/US2022/026540)		
[87] (WO2022/232276)		
[30] US (63/180,296) 2021-04-27		

Demandes PCT entrant en phase nationale

[21] **3,216,995**
[13] A1

[51] **Int.Cl. C07D 205/04 (2006.01) C07D 209/48 (2006.01) C07D 401/14 (2006.01)**

[25] EN

[54] **PROCESSES FOR THE PREPARATION OF (S)-2-(2,6-DIOXOPIPERIDIN-3-YL)-4-((2-FLUORO-4-((3-MORPHOLINOAZETIDIN-1-YL)METHYL)BENZYL)AMINO)ISOINDOLINE-1,3-DIONE**

[54] **PROCEDES DE PREPARATION DE (S)-2-(2,6-DIOXOPIPERIDIN-3-YL)-4-((2-FLUORO-4-((3-MORPHOLINOAZETIDIN-1-YL)METHYL)BENZYL)AMINO)IS OINDOLINE-1,3-DIONE**

[72] CARRASQUILLO-FLORES, RONALD, US

[72] CHEN, JIAN, US

[72] CORONA, PATRICK, US

[72] DEL VALLE, DAVID, US

[72] DUNN, ROBERT FRANCIS, US

[72] EMMANUEL, MEGAN, US

[72] FERRETTI, ANTONIO C., US

[72] HEID, RICHARD MARTIN, US

[72] KASSIM, AMUDE, US

[72] KOTHARE, MOHIT, US

[72] LIU, WEI, US

[72] PURDUM, GEOFFREY EUGENE, US

[72] RANGANATHAN, KRISHNAKUMAR, US

[72] TAVARES-GRECO, PAULA A., US

[72] YONG, KELVIN HIN-YEONG, US

[72] YU, YONG, US

[72] ZHANG, CHENGMIN, US

[71] CELGENE CORPORATION, US

[85] 2023-10-26

[86] 2022-06-17 (PCT/US2022/034028)

[87] (WO2022/271557)

[30] US (63/213,043) 2021-06-21

[21] **3,216,996**
[13] A1

[51] **Int.Cl. A24F 23/02 (2006.01)**

[25] EN

[54] **MULTI-COMPARTMENT ORAL POUCHED PRODUCT**

[54] **PRODUIT EN SACHET DESTINE A ETRE ADMINISTRE PAR VOIE ORALE A PLUSIEURS COMPARTIMENTS**

[72] HUTCHENS, RONALD KEITH, US

[72] JENSEN, KASPER H., GB

[72] CAMPOS, ALEXANDRE MENDES, GB

[72] KELLER, CHRISTOPHER, GB

[72] O'NEAL, TRAVIS, GB

[72] SAIN, MATTHEW D., GB

[72] VIAN, DARRELL, GB

[72] UBERTI, LORENZO, GB

[71] NICOVENTURES TRADING LIMITED, GB

[85] 2023-10-26

[86] 2022-04-29 (PCT/IB2022/054006)

[87] (WO2022/229926)

[30] US (63/182,381) 2021-04-30

[21] **3,216,997**
[13] A1

[51] **Int.Cl. F16L 5/06 (2006.01) F16L 33/22 (2006.01)**

[25] EN

[54] **FIXTURE OUTLET BOX**

[54] **BOITE DE SORTIE PORTE-PIECE**

[72] COSLEY, JAMES, US

[72] O'NEIL, VIRGIL, US

[72] HART, DENNIS, US

[71] RELIANCE WORLDWIDE CORPORATION, US

[85] 2023-10-26

[86] 2022-04-26 (PCT/US2022/026378)

[87] (WO2022/232165)

[30] US (63/180,987) 2021-04-28

[21] **3,216,998**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) C12N 5/07 (2010.01) A61K 31/05 (2006.01) A61K 31/12 (2006.01) A61K 31/155 (2006.01) A61K 31/225 (2006.01) A61K 31/26 (2006.01) A61K 31/352 (2006.01) A61K 31/7135 (2006.01) A61K 39/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **METHODS AND USES OF USING ACTIVATORS OF NRF2 TO ENHANCE NATURAL KILLER CELLS AND/OR T CELL ACTIVITY AND/OR SURVIVAL**

[54] **METHODES ET UTILISATIONS**

[72] WICKSTROM, STINA LINNEA, SE

[72] KIESSLING, ROLF, SE

[72] ARNER, ELIAS SET JENO, SE

[71] PROLEUKOCYTE AB, SE

[85] 2023-10-26

[86] 2022-04-27 (PCT/EP2022/061216)

[87] (WO2022/229264)

[30] GB (2106040.5) 2021-04-28

[21] **3,216,999**
[13] A1

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

[25] EN

[54] **VISCOSITY REDUCTION IN ALUMINUM SULFATE SUSPENSIONS USING ALKALI METAL COMPOUNDS**

[54] **REDUCTION DE LA VISCOSITE DANS DES SUSPENSIONS DE SULFATE D'ALUMINIUM A L'AIDE DE COMPOSES DE METAL ALCALIN**

[72] WEIBEL, MARTIN, CH

[72] STENGER, CHRISTIAN, CH

[71] SIKA TECHNOLOGY AG, CH

[85] 2023-10-26

[86] 2022-04-27 (PCT/EP2022/061155)

[87] (WO2022/229243)

[30] EP (21171695.6) 2021-04-30

PCT Applications Entering the National Phase

[21] **3,217,000**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/444 (2006.01) C07D 213/74 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 471/10 (2006.01) C07D 491/10 (2006.01) C07D 498/08 (2006.01)**

[25] EN
[54] **PYRIDINE-SULFONAMIDE DERIVATIVES AS SIGMA LIGANDS**
[54] **DERIVES DE PYRIDINE-SULFONAMIDE UTILISES EN TANT QUE LIGANDS SIGMA**

[72] ALMANSA-ROSALES, CARMEN, ES
[72] VIRGILI-BERNADO, MARINA, ES
[72] ALONSO-XALMA, MONICA, ES
[72] CHRISTMANN, UTE, ES
[71] ACONDICIONAMIENTO TARRASENSE, ES

[85] 2023-10-26
[86] 2022-04-29 (PCT/EP2022/061516)
[87] (WO2022/229405)
[30] EP (21382387.5) 2021-04-30

[21] **3,217,001**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**

[25] EN
[54] **CIRCULAR RNA**
[54] **ARN CIRCULAIRE**

[72] ANGEL, MATTHEW, US
[72] ROHDE, CHRISTOPHER, US
[72] SVIHLA, AISHA, US
[71] FACTOR BIOSCIENCE INC., US

[85] 2023-10-26
[86] 2022-04-27 (PCT/US2022/026564)
[87] (WO2022/232291)
[30] US (63/180,387) 2021-04-27

[21] **3,217,002**
[13] A1

[51] **Int.Cl. A24C 5/18 (2006.01) A24B 15/167 (2020.01) A24D 1/20 (2020.01) A24F 40/10 (2020.01) A24F 40/20 (2020.01) A24F 40/46 (2020.01) A24F 40/50 (2020.01) A24D 1/02 (2006.01) A24D 1/04 (2006.01)**

[25] EN
[54] **AEROSOL-GENERATING ARTICLE AND AEROSOL-GENERATING DEVICE HAVING SAME**
[54] **ARTICLE DE GENERATION D'AEROSOL ET DISPOSITIF DE GENERATION D'AEROSOL LE COMPRENANT**

[72] LEE, JU HWAN, KR
[72] KIM, JEONG HOO, KR
[72] KIM, MIN KYU, KR
[72] KIM, JUNG HO, KR
[72] PARK, JU EON, KR
[72] LEE, JONG SUB, KR
[72] CHO, BYUNG SUNG, KR
[72] HAN, JUNG HO, KR
[71] KT & G CORPORATION, KR

[85] 2023-10-26
[86] 2022-05-13 (PCT/KR2022/006912)
[87] (WO2022/240246)
[30] KR (10-2021-0063009) 2021-05-14

[21] **3,217,003**
[13] A1

[51] **Int.Cl. G01R 33/28 (2006.01) A61B 5/055 (2006.01) G01R 33/34 (2006.01) G01R 33/341 (2006.01)**

[25] EN
[54] **INTERVENTIONAL LOCALIZATION GUIDE AND METHOD FOR MRI GUIDED PELVIC INTERVENTIONS**
[54] **GUIDE DE LOCALISATION D'INTERVENTION ET PROCEDE POUR INTERVENTIONS PELVIENNES GUIDEES PAR IRM**

[72] KUMAR, DINESH, US
[72] NARAYANAN, RAM, US
[72] NACEV, ALEKSANDAR, US
[72] HELLMAN, EVA, US
[72] SADINSKI, MEREDITH, US
[72] ATHIVEERA RAMA PANDIAN, SABAREISH, US

[71] PROMAXO, INC., US

[85] 2023-10-26
[86] 2022-04-26 (PCT/US2022/071924)
[87] (WO2022/232780)
[30] US (63/180,013) 2021-04-26

[21] **3,217,004**
[13] A1

[51] **Int.Cl. C12Q 1/6874 (2018.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR SEQUENCING NUCLEOTIDES USING TWO OPTICAL CHANNELS**
[54] **SYSTEMES ET PROCEDES DE SEQUENCAGE DE NUCLEOTIDES A L'AIDE DE DEUX CANAUX OPTIQUES**

[72] LIU, XIAOHAI, GB
[72] CALLINGHAM, MICHAEL, GB
[72] LANGLOIS, ROBERT EZRA, US
[72] MCCAULEY, PATRICK, GB
[71] ILLUMINA CAMBRIDGE LIMITED, GB

[71] ILLUMINA SOFTWARE, INC., US

[85] 2023-10-26
[86] 2022-05-26 (PCT/US2022/031152)
[87] (WO2022/256229)
[30] US (17/338,590) 2021-06-03

[21] **3,217,005**
[13] A1

[51] **Int.Cl. A01N 63/20 (2020.01) A61K 35/74 (2015.01)**

[25] EN
[54] **CHRYSEOBACTERIUM INSECT INHIBITORY MICROBIAL COMPOSITIONS AND METHODS OF MAKING AND USING**
[54] **COMPOSITIONS MICROBIENNES INHIBITRICES D'INSECTES DE CHRYSEOBACTERIUM ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] GUGGISBERG, ANN M., US
[72] BECKMAN, DIANA L., US
[72] ADU-OPPONG, BOAHEMAA, US
[72] GOLDMAN, BARRY S., US
[72] RUZYCKI, PHILIP A., US
[72] MALVAR, THOMAS, US
[72] NARZINSKI, KIRK D., US
[72] WILLIAM, FARHAN JAMES, US
[72] SLATER, STEVEN C., US
[72] TRIPATHI, ASHOOTOSH, US
[72] MOHAMED, OSAMA GOMAA MAHMOUD, US

[72] SCHULTZ, PAMELA J., US
[71] PLUTON BIOSCIENCES, INC., US

[85] 2023-10-26
[86] 2022-04-19 (PCT/US2022/025342)
[87] (WO2022/240555)
[30] US (63/188,961) 2021-05-14

Demandes PCT entrant en phase nationale

[21] **3,217,006**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/04 (2006.01) A61K 8/25 (2006.01)**
[25] EN
[54] **MICRONIZED LIPIDS**
[54] **LIPIDES MICRONISES**
[72] GADEK, THOMAS, US
[71] MCAL THERAPEUTICS INC., US
[85] 2023-10-26
[86] 2021-05-03 (PCT/US2021/030443)
[87] (WO2022/235252)

[21] **3,217,007**
[13] A1

[51] **Int.Cl. A61K 39/29 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/18 (2006.01) C07K 19/00 (2006.01) C12N 15/51 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **HEPATITIS C VIRUS IMMUNOGENIC COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS IMMUNOGENES DU VIRUS DE L'HEPATITE C ET LEURS METHODES D'UTILISATION**
[72] HOUGHTON, MICHAEL, CA
[72] LAW, JOHN L., CA
[72] LANDI, ABDOLAMIR, CA
[71] AURORA VACCINES, INC., CA
[85] 2023-10-26
[86] 2022-06-14 (PCT/CA2022/050946)
[87] (WO2022/261758)
[30] US (63/210,722) 2021-06-15
[30] US (63/212,877) 2021-06-21
[30] US (63/323,434) 2022-03-24
[30] US (63/345,799) 2022-05-25

[21] **3,217,008**
[13] A1

[51] **Int.Cl. A61L 2/26 (2006.01)**
[25] EN
[54] **DOOR LOCKING MECHANISM FOR A STERILIZER**
[54] **MECANISME DE VERROUILLAGE DE PORTE POUR STERILISATEUR**
[72] GAL, STELIAN GABRIEL, CA
[72] NEAGOE, GABRIEL, CA
[71] SCICAN LTD., CA
[85] 2023-10-26
[86] 2022-04-27 (PCT/CA2022/050639)
[87] (WO2022/226644)
[30] US (17/241,713) 2021-04-27

[21] **3,217,010**
[13] A1

[51] **Int.Cl. B08B 17/02 (2006.01) B65D 88/16 (2006.01)**
[25] EN
[54] **EFFLUENT CONTAINMENT DEVICES HAVING IMPROVED SAFETY**
[54] **DISPOSITIFS DE CONFINEMENT DES EFFLUENTS PRESENTANT UNE SECURITE AMELIOREE**
[72] EARP, DANNY, US
[71] EARP, DANNY, US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027050)
[87] (WO2022/232590)
[30] US (63/182,622) 2021-04-30

[21] **3,217,011**
[13] A1

[51] **Int.Cl. B63B 1/30 (2006.01)**
[25] EN
[54] **ELECTRIC-POWERED BOAT WITH RETRACTABLE HYDROFOIL**
[54] **BATEAU A PROPULSION ELECTRIQUE A AILE PORTANTE RETRACTABLE**
[72] JOHANNESON, GLEN, CA
[72] PEASGOOD, MICHAEL, CA
[72] MAILLOUX, JERRY, CA
[72] TRIBOU, MICHAEL, CA
[72] MASOJC, PAUL, CA
[71] ENVGO INC., CA
[85] 2023-10-17
[86] 2022-04-18 (PCT/CA2022/050590)
[87] (WO2022/217368)
[30] US (63/176,234) 2021-04-17

[21] **3,217,012**
[13] A1

[51] **Int.Cl. B62D 55/084 (2006.01)**
[25] EN
[54] **TRACK SLIDER DESIGN FOR AN ELECTRIC ROPE SHOVEL**
[54] **CONCEPTION DE COULISSE DE RAIL POUR PELLE A CABLE ELECTRIQUE**
[72] ZAHARIA, CRISTIAN, US
[72] BARNES, ELIZABETH J., US
[72] HAWS, MICHAEL W., US
[72] DUMITRU, MIRCEA, US
[72] KINJARAPU, ARUNA, US
[71] CATERPILLAR GLOBAL MINING LLC, US
[85] 2023-10-27
[86] 2022-04-25 (PCT/US2022/026091)
[87] (WO2022/231995)
[30] US (17/244,053) 2021-04-29

[21] **3,217,013**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61L 15/22 (2006.01)**
[25] EN
[54] **NANOFIBER- AND NANOWHISKER-BASED TRANSFECTION PLATFORMS FOR BULK ELECTROPORATION**
[54] **PLATES-FORMES DE TRANSFECTION A BASE DE NANOFIBRE ET DE NANOTRICHITE POUR ELECTROPORATION EN MASSE**
[72] GALLEGO-PEREZ, DANIEL, US
[72] HIGUITA-CASTRO, NATALIA, US
[72] JOHNSON, JED, US
[72] DAS, DEVLEENA, US
[72] DUARTE-SANMIGUEL, SILVIA M., US
[71] OHIO STATE INNOVATION FOUNDATION, US
[71] NANOFIBER SOLUTIONS, LLC, US
[85] 2023-10-17
[86] 2022-04-13 (PCT/US2022/024632)
[87] (WO2022/225766)
[30] US (63/177,613) 2021-04-21

[21] **3,217,014**
[13] A1

[51] **Int.Cl. G01N 27/90 (2021.01)**
[25] EN
[54] **HIGH TEMPERATURE ECA PROBE**
[54] **SONDE ECA A HAUTE TEMPERATURE**
[72] LEPAGE, BENOIT, CA
[71] EVIDENT CANADA, INC., CA
[85] 2023-10-17
[86] 2022-04-19 (PCT/CA2022/050591)
[87] (WO2022/221938)
[30] US (63/201,297) 2021-04-22

PCT Applications Entering the National Phase

[21] **3,217,015**
[13] A1

[51] **Int.Cl. B62D 55/084 (2006.01) B62D 55/10 (2006.01) B62D 55/32 (2006.01) E02F 3/30 (2006.01)**

[25] EN

[54] **TRACK SLIDER DESIGN FOR AN ELECTRIC ROPE SHOVEL**

[54] **CONCEPTION DE GLISSIERE DE CHENILLE POUR PELLE A CABLE ELECTRIQUE**

[72] ZAHARIA, CRISTIAN, US

[72] BARNES, ELIZABETH J., US

[72] HAWS, MICHAEL W., US

[72] DUMITRU, MIRCEA, US

[72] KINJARAPU, ARUNA, US

[71] CATERPILLAR GLOBAL MINING LLC, US

[85] 2023-10-27

[86] 2022-03-29 (PCT/US2022/022241)

[87] (WO2022/231746)

[30] US (17/243,812) 2021-04-29

[21] **3,217,016**
[13] A1

[51] **Int.Cl. F01D 15/10 (2006.01) F02C 7/12 (2006.01) F02C 7/143 (2006.01)**

[25] EN

[54] **A TURBOMACHINERY PLANT COMPRISING A MECHANICAL DRIVE HYBRID GAS TURBINE AND A DYNAMIC COOLING SYSTEM FOR THE MECHANICAL DRIVE HYBRID GAS TURBINE**

[54] **INSTALLATION DE TURBOMACHINE COMPRENANT UNE TURBINE A GAZ HYBRIDE A ENTRAINEMENT MECANIQUE ET UN SYSTEME DE REFROIDISSEMENT DYNAMIQUE SERVANT A LA TURBINE A GAZ HYBRIDE A ENTRAINEMENT MECANIQUE**

[72] SANTINI, MARCO, IT

[72] BALDANZINI, FABIO, IT

[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT

[85] 2023-10-27

[86] 2022-04-22 (PCT/EP2022/025173)

[87] (WO2022/228724)

[30] IT (102021000010889) 2021-04-29

[21] **3,217,018**
[13] A1

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 47/64 (2017.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/00 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **BICYCLIC PEPTIDE LIGANDS SPECIFIC FOR NK CELLS**

[54] **LIGANDS PEPTIDIQUES BICYCLIQUES SPECIFIQUES DES CELLULES NK**

[72] KEEN, NICHOLAS, GB

[72] MUDD, GEMMA, GB

[72] DUFORT, FAY, GB

[72] GAYNOR, KATIE, GB

[72] CHEN, LIUHONG, GB

[72] BRANDISH, PHIL, GB

[72] LEITHEISER, CHRIS, GB

[72] UHLENBROICH, SANDRA, GB

[72] REPASH, LIZ, GB

[72] MCDONNELL, KEVIN, GB

[71] BICYCLETX LIMITED, GB

[85] 2023-06-28

[86] 2022-01-10 (PCT/GB2022/050043)

[87] (WO2022/148974)

[30] US (63/135,339) 2021-01-08

[30] US (63/262,597) 2021-10-15

[21] **3,217,019**
[13] A1

[51] **Int.Cl. F01D 15/10 (2006.01) F02C 3/113 (2006.01) F02C 7/36 (2006.01) F04D 25/04 (2006.01) F04D 25/06 (2006.01)**

[25] EN

[54] **A TURBOMACHINERY PLANT TO MAXIMIZE THE POWER GENERATED BY AN ELECTRICAL REVERSIBLE MACHINE**

[54] **INSTALLATION DE TURBOMACHINE POUR MAXIMISER LA PUISSANCE GENEREE PAR UNE MACHINE ELECTRIQUE REVERSIBLE**

[72] SANTINI, MARCO, IT

[72] BALDINI, MARCO, IT

[72] GABBRIELLI, ANDREA, IT

[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT

[85] 2023-10-27

[86] 2022-04-22 (PCT/EP2022/025172)

[87] (WO2022/228723)

[30] IT (10202100001097) 2021-04-29

[21] **3,217,020**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**

[25] EN

[54] **DELIVERY DEVICES FOR HEART VALVE TREATMENT DEVICES**

[54] **DISPOSITIFS DE POSE POUR DISPOSITIFS DE TRAITEMENT DE VALVULES CARDIAQUES**

[72] POPP, MICHAEL J., US

[72] SCHLEIGER, NICOLAS, US

[72] GANTZ, KEVIN, US

[72] MATLOCK, GEORGE LEE, US

[72] STONE, ARIC DANIEL, US

[72] DIXON, ERIC ROBERT, US

[72] BLOODWORTH, CHARLES HENRY, IV, US

[72] TYLER, GREGORY SCOTT, II, US

[72] METCHIK, ASHER L., US

[72] BOWES, ROBERT, US

[72] CHU, WAINA MICHELLE, US

[72] ZIRA, ZACHARY JAMES, US

[72] PARK, STEVEN, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-10-17

[86] 2022-04-19 (PCT/US2022/025390)

[87] (WO2022/231889)

[30] US (63/181,120) 2021-04-28

[30] US (63/268,845) 2022-03-03

Demandes PCT entrant en phase nationale

[21] **3,217,022**
[13] A1

[51] **Int.Cl. A61P 35/00 (2006.01) C07D 215/20 (2006.01) C07D 215/227 (2006.01) C07D 239/24 (2006.01) C07D 239/30 (2006.01)**

[25] EN

[54] **METABOLICALLY STABLE PYRIMIDINYL DIHYDROQUINOXALINONES AS TUBULIN POLYMERIZATION INHIBITORS**

[54] **PYRIMIDINYL DIHYDROQUINOXALINONES METABOLIQUEMENT STABLES UTILES EN TANT QU'INHIBITEURS DE LA POLYMERISATION DE LA TUBULINE**

[72] BANERJEE, SOUVIK, US
[72] DENG, SHANSHAN, US
[72] LI, WEI, US
[72] MAHMUD, K A FOYEZ, US
[72] MILLER, DUANE D., US
[72] WU, ZHONGZHI, US
[72] WANG, RUI, US
[72] SEAGROVES, TIFFANY, US
[72] KRUTILINA, RAISA, US
[72] HARTMANN, KELLI, US
[72] POCHAMPALLY, SATYANARAYANA, US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[85] 2023-10-17
[86] 2022-04-20 (PCT/US2022/025637)
[87] (WO2022/226118)
[30] US (63/177,183) 2021-04-20
[30] US (63/317,931) 2022-03-08

[21] **3,217,023**
[13] A1

[51] **Int.Cl. G06F 11/36 (2006.01) G06N 3/08 (2023.01)**

[25] EN

[54] **APPLICATION CRASH TESTING PLATFORM**

[54] **PLATEFORME POUR TESTER UNE APPLICATION**

[72] HUANG, DENNIS, US
[71] ARC-FY, LLC, US
[85] 2023-10-27
[86] 2022-04-26 (PCT/US2022/026339)
[87] (WO2022/232139)
[30] US (63/180,866) 2021-04-28

[21] **3,217,024**
[13] A1

[51] **Int.Cl. A61K 51/04 (2006.01) A61K 51/08 (2006.01) C07B 59/00 (2006.01)**

[25] EN

[54] **METHODS FOR TREATMENT OF CANCERS**

[54] **PROCEDES DE TRAITEMENT DE CANCERS**

[72] BURAK, ERIC S., CA
[72] FORBES, JOHN R., CA
[72] SIMMS, RYAN W., CA
[71] FUSION PHARMACEUTICALS INC., CA
[85] 2023-10-17
[86] 2022-04-22 (PCT/US2022/025933)
[87] (WO2022/226299)
[30] US (63/179,089) 2021-04-23

[21] **3,217,025**
[13] A1

[51] **Int.Cl. B26B 21/20 (2006.01) B26B 21/58 (2006.01)**

[25] EN

[54] **CUTTING ELEMENT WITH ASYMMETRIC CUTTING SEGMENTS**

[54] **ELEMENT DE COUPE A SEGMENTS DE COUPE ASYMETRIQUES**

[72] GLUCHE, PETER, DE
[72] MERTENS, MICHAEL, DE
[72] GRETZSCHEL, RALPH, DE
[72] GESTER, MATTHIAS, GB
[71] GFD GESELLSCHAFT FUR DIAMANTPRODUKTE MBH, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2023-10-17
[86] 2022-04-20 (PCT/EP2022/060371)
[87] (WO2022/223587)
[30] EP (21169479.9) 2021-04-20

[21] **3,217,027**
[13] A1

[51] **Int.Cl. A61K 35/44 (2015.01) C12N 5/071 (2010.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **INDUCTION OF TUMOR VASCULAR NECROSIS UTILIZING FIBROBLASTS**

[54] **INDUCTION DE LA NECROSE VASCULAIRE TUMORALE A L'AIDE DE FIBROBLASTES**

[72] ICHIM, THOMAS, US
[72] O'HEERON, PETE, US
[71] FIBROBIOLOGICS, US
[85] 2023-10-17
[86] 2022-05-06 (PCT/US2022/028082)
[87] (WO2022/236063)
[30] US (63/184,960) 2021-05-06

[21] **3,217,028**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 35/15 (2015.01)**

[25] EN

[54] **METHODS OF ENGINEERING IMMUNE CELLS HAVING REDUCED FRATRICIDAL ACTIVITY**

[54] **PROCEDES DE MODIFICATION DE CELLULES IMMUNITAIRES AYANT UNE ACTIVITE FRATRICIDE REDUITE**

[72] MAMONKIN, MAKSIM, US
[72] WATANABE, NORIHIRO, US
[72] MO, FEIYAN, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2023-10-17
[86] 2022-04-21 (PCT/US2022/071845)
[87] (WO2022/226522)
[30] US (63/178,351) 2021-04-22

PCT Applications Entering the National Phase

[21] 3,217,029 [13] A1	[21] 3,217,031 [13] A1	[21] 3,217,033 [13] A1
[51] Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) A61P 11/00 (2006.01)	[51] Int.Cl. C01B 3/26 (2006.01) C01B 3/24 (2006.01)	[51] Int.Cl. G06T 7/80 (2017.01) G06Q 10/08 (2023.01) G06Q 30/06 (2023.01) G06V 10/426 (2022.01) G06V 10/82 (2022.01) G06V 20/10 (2022.01) G06Q 10/087 (2023.01)
[25] EN	[25] EN	[25] EN
[54] ENGINEERED DUAL BINDING ANTIBODIES AND USES THEREOF	[54] IMPROVED CONVERSION SYSTEM FOR WAVE-ROTOR REACTOR SYSTEM	[54] AN AUTOMATED METHOD OF ADJUSTING A VIEWING PARAMETER OF AN IN-STORE IMAGING DEVICE
[54] ANTICORPS DE LIAISON DOUBLE MODIFIES ET LEURS UTILISATIONS	[54] SYSTEME DE CONVERSION AMELIORE POUR SYSTEME DE REACTEUR A ROTOR A ONDES	[54] PROCEDE AUTOMATISE DE REGLAGE D'UN PARAMETRE DE VISUALISATION D'UN DISPOSITIF D'IMAGERIE EN ENTREPOT
[72] DEMISHTAIN, ALIK, IL	[72] DAVIDSON, MARK, US	[72] SCHWARZ, THOMAS, DE
[72] BERENSHTAIN, SHMUEL, IL	[71] NEW WAVE HYDROGEN, INC., CA	[72] UNMUSSIG, MICHAEL, DE
[72] SHLMAKOVICH, TOMER, IL	[85] 2023-10-27	[71] CAPTANA GMBH, DE
[72] CHEN, AYELET, IL	[86] 2022-04-27 (PCT/CA2022/050645)	[85] 2023-10-27
[72] SASSON, YEHEZKEL, IL	[87] (WO2022/226648)	[86] 2022-05-06 (PCT/EP2022/062252)
[72] STRAJBL, MAREK, IL	[30] US (63/180,433) 2021-04-27	[87] (WO2022/234067)
[72] LEVIN, ITAY, IL	[30] US (17/731,058) 2022-04-27	[30] FR (2104844) 2021-05-07
[72] FISCHMAN, SHARON, IL		
[72] OFRAN, YANAY, IL	[21] 3,217,032 [13] A1	[21] 3,217,035 [13] A1
[72] NIMROD, GUY, IL	[51] Int.Cl. C10B 57/02 (2006.01) C10B 57/10 (2006.01) C10B 57/16 (2006.01) C10K 3/04 (2006.01)	[51] Int.Cl. B26B 21/20 (2006.01) B26B 21/58 (2006.01)
[72] SHNYDER, ALEXEY, IL	[25] EN	[25] EN
[72] GATTENGO, HADAR, IL	[54] HYDROGEN PRODUCTION FROM PYROLYSIS OF BIOMASS AT A TEMPERATURE OF AT LEAST 950°C	[54] CUTTING ELEMENT AND HAIR REMOVAL DEVICE
[72] MALCHENKO, NIKOL, IL	[54] PRODUCTION D'HYDROGENE A PARTIR DE LA PYROLYSE DE BIOMASSE A UNE TEMPERATURE D'AU MOINS 950° C	[54] ELEMENT DE COUPE ET DISPOSITIF D'ELIMINATION DES POILS
[72] BLUVSHTEIN YERMOLAEV, OLGA, IL	[72] ATKINS, MARTIN, GB	[72] GLUCHE, PETER, DE
[72] GROSSMAN, NOAM, IL	[71] ABUNDIA BIOMASS-TO-LIQUIDS LIMITED, GB	[72] MERTENS, MICHAEL, DE
[72] DANIELPUR, LIRON, IL	[85] 2023-10-27	[72] GRETZSCHEL, RALPH, DE
[72] MEIR, ITZHAK, IL	[86] 2022-04-28 (PCT/GB2022/051087)	[72] GESTER, MATTHIAS, GB
[72] IFRACH, MORYA, IL	[87] (WO2022/229648)	[71] GFD GESELLSCHAFT FUR DIAMANTPRODUKTE MBH, DE
[72] BARAK FUCHS, REUT, IL	[30] GB (2106088.4) 2021-04-28	[71] THE GILLETTE COMPANY LLC, US
[72] ZHENIN, MICHAEL, IL		[85] 2023-10-17
[72] FASTMAN, YAIR, IL		[86] 2022-04-20 (PCT/EP2022/060376)
[72] BERNSTEIN, SHMUEL, IL		[87] (WO2022/223591)
[72] SHLAMKOVICH, TOMER, IL		[30] EP (21169459.1) 2021-04-20
[72] GATTEGNO, HADAR, IL		
[71] BIOLOGIC DESIGN LTD., IL		
[85] 2023-10-17		
[86] 2022-05-29 (PCT/IL2022/050572)		
[87] (WO2022/254428)		
[30] US (63/195,021) 2021-05-30		
[30] US (63/295,905) 2022-01-02		
[30] IL (PCT/IL2022/050087) 2022-01-20		

Demandes PCT entrant en phase nationale

[21] **3,217,036**
[13] A1

[51] **Int.Cl. C25B 1/02 (2006.01) C25B 1/042 (2021.01) C25B 9/23 (2021.01) C25B 11/031 (2021.01) C25B 11/077 (2021.01) C25B 13/07 (2021.01) C25B 15/08 (2006.01)**

[25] EN

[54] **INTEGRATED HYDROGEN PRODUCTION METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE PRODUCTION D'HYDROGENE INTEGRE**

[72] FARANDOS, NICHOLAS, IE

[72] DAWSON, MATTHEW, US

[72] DAWSON, JIN, US

[71] UTILITY GLOBAL, INC., US

[85] 2023-10-27

[86] 2022-05-11 (PCT/US2022/028720)

[87] (WO2022/240954)

[30] US (63/188,200) 2021-05-13

[21] **3,217,037**
[13] A1

[51] **Int.Cl. B26B 21/20 (2006.01) B26B 21/58 (2006.01)**

[25] EN

[54] **CUTTING ELEMENT AND HAIR REMOVAL DEVICE**

[54] **ELEMENT DE COUPE ET DISPOSITIF D'EPILATION**

[72] GLUCHE, PETER, DE

[72] MERTENS, MICHAEL, DE

[72] GRETZSCHEL, RALPH, DE

[72] GESTER, MATTHIAS, GB

[71] GFD GESELLSCHAFT FUR DIAMANTPRODUKTE MBH, DE

[71] THE GILLETTE COMPANY LLC, US

[85] 2023-10-17

[86] 2022-04-20 (PCT/EP2022/060373)

[87] (WO2022/223588)

[30] EP (21169482.3) 2021-04-20

[21] **3,217,039**
[13] A1

[51] **Int.Cl. B26B 21/56 (2006.01)**

[25] EN

[54] **SKIN TREATMENT SHEET AND SKIN TREATMENT DEVICE**

[54] **FEUILLE DE TRAITEMENT DE LA PEAU ET DISPOSITIF DE TRAITEMENT DE LA PEAU**

[72] GLUCHE, PETER, DE

[72] MERTENS, MICHAEL, DE

[72] GRETZSCHEL, RALPH, DE

[72] GESTER, MATTHIAS, GB

[72] KEARNEY, ROBERT, GB

[72] ROBERTS, HANNAH, GB

[72] SHOREY, ANTHONY, GB

[71] GFD GESELLSCHAFT FUR DIAMANTPRODUKTE MBH, DE

[71] THE GILLETTE COMPANY LLC, US

[85] 2023-10-17

[86] 2022-04-20 (PCT/EP2022/060379)

[87] (WO2022/223594)

[30] EP (21169509.3) 2021-04-20

[21] **3,217,040**
[13] A1

[51] **Int.Cl. B26B 21/56 (2006.01) B26B 21/00 (2006.01)**

[25] EN

[54] **SKIN TREATMENT SHEET AND SKIN TREATMENT DEVICE**

[54] **FEUILLE DE TRAITEMENT DE LA PEAU ET DISPOSITIF DE TRAITEMENT DE LA PEAU**

[72] GLUCHE, PETER, DE

[72] MERTENS, MICHAEL, DE

[72] GRETZSCHEL, RALPH, DE

[72] GESTER, MATTHIAS, GB

[72] KEARNEY, ROBERT, GB

[72] ROBERTS, HANNAH, GB

[72] SHOREY, ANTHONY, GB

[71] GFD GESELLSCHAFT FUR DIAMANTPRODUKTE MBH, DE

[71] THE GILLETTE COMPANY LLC, US

[85] 2023-10-17

[86] 2022-04-20 (PCT/EP2022/060380)

[87] (WO2022/223595)

[30] EP (21169514.3) 2021-04-20

[21] **3,217,042**
[13] A1

[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/36 (2006.01)**

[25] EN

[54] **METHOD FOR CONTROLLING A BLOOD TREATMENT APPARATUS, AND APPARATUSES**

[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF DE TRAITEMENT DU SANG ET DISPOSITIFS ASSOCIES**

[72] KOPPERSCHMIDT, PASCAL, DE

[71] FRESenius MEDICAL CARE DEUTSCHLAND GMBH, DE

[85] 2023-10-17

[86] 2022-04-21 (PCT/EP2022/060501)

[87] (WO2022/223669)

[21] **3,217,043**
[13] A1

[51] **Int.Cl. A47F 1/03 (2006.01) B67D 7/02 (2010.01) B65D 75/00 (2006.01)**

[25] FR

[54] **DEVICE FOR DISPENSING AT LEAST ONE BULK FOOD PRODUCT, AND ASSOCIATED SYSTEM**

[54] **DISPOSITIF DE DISTRIBUTION D'AU MOINS UN PRODUIT ALIMENTAIRE EN VRAC ET SON SYSTEME ASSOCIE**

[72] RIBOT, CHRISTOPHE, FR

[71] AGROPESAGE, FR

[85] 2023-10-18

[86] 2022-04-20 (PCT/FR2022/050741)

[87] (WO2022/223926)

[30] FR (FR2104136) 2021-04-21

[21] **3,217,044**
[13] A1

[51] **Int.Cl. B60N 2/28 (2006.01)**

[25] EN

[54] **SIDE IMPACT PROTECTION BLOCK, MOUNTING BASE, AND CHILD SAFETY SEAT**

[54] **BLOC DE PROTECTION CONTRE LES CHOCS LATERAUX, BASE DE MONTAGE ET SIEGE DE SECURITE POUR ENFANT**

[72] MO, XIAOLONG, CH

[71] BAMBINO PREZIOSO SWITZERLAND AG, CH

[85] 2023-10-17

[86] 2022-04-21 (PCT/EP2022/060581)

[87] (WO2022/223706)

[30] CN (202110432465.4) 2021-04-21

PCT Applications Entering the National Phase

[21] **3,217,045**
[13] A1

[51] **Int.Cl. B65G 47/31 (2006.01) A01G 22/35 (2018.01) A01G 9/14 (2006.01) B65G 47/68 (2006.01)**

[25] EN

[54] **SYSTEM FOR SEPARATING BULK-SUPPLIED PLANT-BULBS AND METHOD FOR TRANSPORTING AND SPACING PLANT-BULBS**

[54] **SYSTEME POUR SEPARER DES BULBES DE PLANTES FOURNIS EN VRAC ET PROCEDE POUR TRANSPORTER ET ESPACER DES BULBES DE PLANTES**

[72] STRUIJK, WIM, NL
[72] VAN DER EL, WIM, NL
[72] OPHORST, BASTIAAN, NL
[72] VAN DER MEIJDEN, WIM, NL
[71] IG SPECIALS B.V., NL
[85] 2023-10-17
[86] 2022-05-09 (PCT/EP2022/062492)
[87] (WO2022/238333)
[30] NL (2028182) 2021-05-10

[21] **3,217,046**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2023.01) G06Q 10/04 (2023.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GENERATING SERVICING SCHEDULE FOR MACHINE**

[54] **SYSTEME ET PROCEDE DE GENERATION DE PROGRAMME D'ENTRETIEN POUR MACHINE**

[72] SUKUMARAN, SRIRAM, IN
[72] SELVARAJ, VISHNU G., IN
[71] CATERPILLAR INC., US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/026877)
[87] (WO2022/235497)
[30] IN (202111020105) 2021-05-03

[21] **3,217,047**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/735 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **CHIMERIC FC-ALPHA RECEPTORS AND USES THEREOF**

[54] **RECEPTEURS FC-ALPHA CHIMERIQUES ET LEURS UTILISATIONS**

[72] MATLUNG, HANKE LOTTIE, NL
[71] SANQUIN IP B.V., NL
[85] 2023-10-27
[86] 2022-04-28 (PCT/NL2022/050225)
[87] (WO2022/231425)
[30] EP (21170864.9) 2021-04-28

[21] **3,217,048**
[13] A1

[51] **Int.Cl. G01R 31/00 (2006.01) C23F 13/04 (2006.01) C23F 13/22 (2006.01) G08B 31/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CATHODIC PROTECTION MONITORING**

[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE PROTECTION CATHODIQUE**

[72] DA COSTA, ANTONIO, CA
[72] BARRETT, MATTHEW, CA
[72] MAIZE, WILLIAM, CA
[71] MOBILTEX DATA LTD, CA
[85] 2023-10-17
[86] 2022-04-20 (PCT/CA2022/050598)
[87] (WO2022/221944)
[30] US (63/178,413) 2021-04-22

[21] **3,217,049**
[13] A1

[51] **Int.Cl. B22F 9/08 (2006.01)**

[25] EN

[54] **PROCESS FOR COOLING AND TRANSPORTING METAL POWDER**

[54] **PROCEDE DE REFROIDISSEMENT ET DE TRANSPORT DE POUDRE METALLIQUE**

[72] BOISSIERE, BENJAMIN, FR
[71] ARCELORMITTAL, LU
[85] 2023-10-17
[86] 2022-04-26 (PCT/IB2022/053845)
[87] (WO2022/229831)
[30] IB (PCT/IB2021/053521) 2021-04-28

[21] **3,217,050**
[13] A1

[51] **Int.Cl. A61F 5/01 (2006.01) A61H 1/02 (2006.01) A63B 21/015 (2006.01) A63B 21/055 (2006.01) A63B 23/035 (2006.01) A63B 23/12 (2006.01)**

[25] EN

[54] **DEVICE FOR ASSISTING WITH SHOULDER MOTION**

[54] **DISPOSITIF D'AIDE AU MOUVEMENT DE L'EPAULE**

[72] STINTON, SHAUN KEVIN, US
[72] BRANCH, THOMAS P., US
[72] DITTMAR, EDWARD, US
[72] DAN, MATEI, US
[72] DITTMAR, GARRICK EDWARD, US
[72] DITTMAR, JARED ALEXANDER, US
[71] ERMI LLC, US
[85] 2023-10-27
[86] 2022-04-27 (PCT/US2022/026609)
[87] (WO2022/232328)
[30] US (63/180,515) 2021-04-27

[21] **3,217,052**
[13] A1

[51] **Int.Cl. C03B 27/04 (2006.01) G01L 1/24 (2006.01) G01N 21/23 (2006.01) G01N 21/896 (2006.01) G01N 21/958 (2006.01) G06F 17/18 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **METHOD TO CLASSIFY QUENCH PATTERNS OF HEAT-TREATED COATED MINERAL GLASSES AND PREDICTS THE OPTICAL VISIBILITY THEREOF**

[54] **PROCEDE DE CLASSIFICATION DE MOTIFS DE TREMPÉ DE VERRES MINÉRAUX REVÊTUS TRAITÉS THERMIQUEMENT ET DE PREDICTION DE LA VISIBILITE OPTIQUE DE CEUX-CI**

[72] HIVET, ROMAIN, FR
[72] MACCARIELLO, DAVIDE, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2023-10-27
[86] 2022-05-19 (PCT/EP2022/063609)
[87] (WO2022/243450)
[30] EP (21175024.5) 2021-05-20

Demandes PCT entrant en phase nationale

[21] **3,217,054**
[13] A1

[51] **Int.Cl. H02P 21/24 (2016.01) H02P 21/36 (2016.01)**

[25] EN

[54] **NON-INDUCTIVE VECTOR CONTROL-BASED PERMANENT MAGNET SYNCHRONOUS MOTOR OPERATION CONTROL METHOD**

[54] **PROCEDE DE COMMANDE DE FONCTIONNEMENT DE MOTEUR SYNCHRON A AIMANT PERMANENT REPOSANT SUR UNE COMMANDE VECTORIELLE NON INDUCTIVE**

[72] LAN, JINGHAO, CN
[72] BIAN, WENQING, CN
[71] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD, CN

[85] 2023-10-27
[86] 2022-03-09 (PCT/CN2022/079833)
[87] (WO2023/000683)
[30] CN (202110818589.6) 2021-07-20

[21] **3,217,056**
[13] A1

[51] **Int.Cl. H02J 3/16 (2006.01) G06Q 50/06 (2012.01) G05B 19/042 (2006.01)**

[25] EN

[54] **AN ELECTRIC LOAD NETWORK AND METHOD FOR ADJUSTING AN OPERATION FREQUENCY OF AN ELECTRICITY GRID IN REAL TIME**

[54] **RESEAU DE CHARGE ELECTRIQUE ET PROCEDE DE REGLAGE DE FREQUENCE DE FONCTIONNEMENT DE RESEAU D'ELECTRICITE EN TEMPS REEL**

[72] LEVEE, JONATHAN, AU
[71] FIRMUS TECHNOLOGIES PTY LTD, AU

[85] 2023-10-27
[86] 2021-09-15 (PCT/AU2021/051062)
[87] (WO2022/226576)
[30] AU (2021901293) 2021-04-30

[21] **3,217,057**
[13] A1

[51] **Int.Cl. C25C 3/28 (2006.01) C22B 34/12 (2006.01)**

[25] EN

[54] **METAL TITANIUM PRODUCTION METHOD AND METAL TITANIUM ELECTRODEPOSIT**

[54] **PROCEDE DE PRODUCTION DE TITANE METALLIQUE ET DEPOT ELECTROLYTIQUE DE TITANE METALLIQUE**

[72] SUZUKI, DAISUKE, JP
[72] NAKAJO, YUTA, JP
[72] KUMAMOTO, KAZUHIRO, JP
[72] HORIKAWA, MATSUHIDE, JP
[72] FUJII, HIDEKI, JP
[71] TOHO TITANIUM CO., LTD., JP

[85] 2023-10-27
[86] 2022-03-14 (PCT/JP2022/011426)
[87] (WO2022/230403)
[30] JP (2021-077965) 2021-04-30

[21] **3,217,058**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 10/02 (2006.01) G01N 1/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THEIR PRODUCTION**

[54] **COMPOSITIONS ET LEURS PROCEDES DE PRODUCTION**

[72] DIETRICH, JEFFREY, US
[72] GURROLA, MADDISON KYLIE, US
[72] SINROD, AMANDA JACKLYN GRACE, US
[72] PALANG, EDWIN YPARRAGUIRRE, US

[71] RAREBIRD, INC., US

[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026849)
[87] (WO2022/232469)
[30] US (63/181,915) 2021-04-29

[21] **3,217,059**
[13] A1

[51] **Int.Cl. A61K 31/7052 (2006.01) A61K 35/17 (2015.01) A61K 38/13 (2006.01) C07K 7/64 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR IMPROVING THE TRANSDUCTION OF CELLS BY VIRAL VECTORS**

[54] **COMPOSITIONS POUR AMELIORER LA TRANSDUCTION DE CELLULES PAR DES VECTEURS VIRAUX**

[72] KAJASTE-RUDNITSKI, ANNA CHRISTINA, IT
[72] VALERI, ERIKA, IT
[72] UNALI, GIULIA, IT
[72] PIRAS, FRANCESCO, IT
[71] OSPEDALE SAN RAFFAELE S.R.L., IT

[71] FONDAZIONE TELETHON, IT

[85] 2023-10-27
[86] 2022-04-26 (PCT/EP2022/061114)
[87] (WO2022/229227)
[30] AU (2021202658) 2021-04-28

PCT Applications Entering the National Phase

[21] **3,217,060**
[13] A1

[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **GENERATING NEURAL NETWORK OUTPUTS BY CROSS ATTENTION OF QUERY EMBEDDINGS OVER A SET OF LATENT EMBEDDINGS**
[54] **GENERATION DE SORTIES DE RESEAU NEURONAL PAR L'ATTENTION CROISEE DE CODAGES DE REQUETE SUR UN ENSEMBLE D'INCORPORATIONS LATENTES**
[72] JAEGLE, ANDREW COULTER, GB
[72] ALAYRAC, JEAN-BAPTISTE, GB
[72] BORGEAUD DIT AVOCAT, SEBASTIAN, GB
[72] IONESCU, CATALIN-DUMITRU, GB
[72] DOERSCH, CARL, GB
[72] DING, FENGNING, GB
[72] VINYALS, ORIOL, GB
[72] HENAFF, OLIVIER JEAN, GB
[72] KOPPULA, SKANDA KUMAR, GB
[72] ZORAN, DANIEL, GB
[72] BROCK, ANDREW, GB
[72] SHELHAMER, EVAN GERARD, GB
[72] ZISSERMAN, ANDREW, GB
[72] CARREIRA, JOAO, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2023-10-27
[86] 2022-05-27 (PCT/EP2022/064501)
[87] (WO2022/248727)
[30] US (63/194,874) 2021-05-28

[21] **3,217,061**
[13] A1

[51] **Int.Cl. F28D 15/00 (2006.01) G05D 16/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **A TANK FOR HEAT DISSIPATION AND A COOLING SYSTEM INCLUDING THE SAME**
[54] **RESERVOIR POUR DISSIPATION DE CHALEUR ET SYSTEME DE REFROIDISSEMENT LE COMPRENANT**
[72] LEVEE, JONATHAN, AU
[72] CURTIS, OLIVER, AU
[72] BULLS, ANDREW, AU
[72] KERR, HAMISH, AU
[71] FIRMUS METAL TECHNOLOGIES SINGAPORE PTE LTD, SG
[85] 2023-10-27
[86] 2021-10-19 (PCT/AU2021/051215)
[87] (WO2022/232863)
[30] AU (2021901373) 2021-05-07

[21] **3,217,062**
[13] A1

[51] **Int.Cl. A61M 39/06 (2006.01)**
[25] EN
[54] **DELIVERY SYSTEM FOR A MEDICAL DEVICE**
[54] **SYSTEME DE DISTRIBUTION POUR UN DISPOSITIF MEDICAL**
[72] EGGERS, MITCHELL DONN, US
[71] ADIENT MEDICAL, INC., US
[85] 2023-10-27
[86] 2022-04-29 (PCT/IB2022/054014)
[87] (WO2022/234420)
[30] US (63/183,166) 2021-05-03

[21] **3,217,064**
[13] A1

[51] **Int.Cl. C08F 220/58 (2006.01) C08F 2/00 (2006.01) C08F 212/14 (2006.01) C08F 216/12 (2006.01) C08F 226/02 (2006.01) C09K 8/035 (2006.01) C09K 8/68 (2006.01)**
[25] EN
[54] **WATER-SOLUBLE ASSOCIATIVE AMPHOTERIC POLYMER AS A RHEOLOGY MODIFIER FOR SUBTERRANEAN TREATMENTS**
[54] **POLYMERE AMPHOTERE ASSOCIATIF HYDROSOLUBLE EN TANT QUE MODIFICATEUR DE RHEOLOGIE POUR DES TRAITEMENTS SOUTERRAINS**
[72] BRAUN, OLIVIER, FR
[72] GIOVANNETTI, BRUNO, FR
[72] MUHAMMED, FARAG, US
[71] SNF GROUP, FR
[85] 2023-10-27
[86] 2022-04-13 (PCT/EP2022/059952)
[87] (WO2022/233555)
[30] FR (FR2104708) 2021-05-04

[21] **3,217,065**
[13] A1

[25] EN
[54] **MACHINE AND METHOD FOR COOKING FOOD**
[54] **MACHINE ET PROCEDE DE CUISSON D'ALIMENTS**
[72] RANA, GIAN LUCA, IT
[71] PASTIFICIO RANA S.P.A., IT
[85] 2023-10-27
[86] 2022-05-11 (PCT/IB2022/054382)
[87] (WO2022/238923)
[30] IT (102021000012227) 2021-05-12

[21] **3,217,066**
[13] A1

[51] **Int.Cl. A01N 63/20 (2020.01) A01N 63/22 (2020.01) A01N 63/27 (2020.01)**
[25] EN
[54] **ADDITIVES FOR ENHANCING THE PESTICIDAL EFFECTIVENESS OF PESTICIDAL MICROORGANISMS**
[54] **ADDITIFS POUR AMELIORER L'EFFICACITE PESTICIDE DE MICRO-ORGANISMES PESTICIDES**
[72] ANDERSON, TIMOTHY H, US
[72] OESTER, DEAN A, US
[72] RODRIGUEZ, DAVID J, US
[71] BASF SE, DE
[85] 2023-10-27
[86] 2022-05-02 (PCT/EP2022/061649)
[87] (WO2022/233758)
[30] EP (21171741.8) 2021-05-03

[21] **3,217,067**
[13] A1

[51] **Int.Cl. C09K 21/02 (2006.01) B27D 1/04 (2006.01) B27K 3/20 (2006.01) B27K 3/32 (2006.01) C09K 21/04 (2006.01)**
[25] EN
[54] **BOARD MATERIAL PROCESSING COMPOSITION, BOARD MATERIAL LAMINATE, AND METHOD FOR MANUFACTURING BOARD MATERIAL LAMINATE**
[54] **COMPOSITION DE TRAITEMENT DE MATERIAU DE CARTE, STRATIFIE DE MATERIAU DE CARTE ET PROCEDE DE FABRICATION DE STRATIFIE DE MATERIAU DE CARTE**
[72] HATTORI, TOSHINORI, JP
[71] M&H TECHNICAL RESEARCH INSTITUTE CO., LTD., JP
[85] 2023-10-16
[86] 2022-03-30 (PCT/JP2022/016238)
[87] (WO2022/224782)
[30] JP (2021-073498) 2021-04-23

Demandes PCT entrant en phase nationale

[21] **3,217,070**
[13] A1

[25] EN
[54] **IMPLANT FOR HEART VALVE REPAIR**
[54] **IMPLANT POUR REPARATION DE VALVULE CARDIAQUE**
[72] SALSAC, ANNE-VIRGINIE, FR
[72] BURRIESCI, GAETANO, GB
[72] FIORE, ANTONIO, FR
[71] UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[71] FONDAZIONE RI.MED, IT
[85] 2023-10-27
[86] 2021-04-28 (PCT/IB2021/000316)
[87] (WO2022/229667)

[21] **3,217,071**
[13] A1

[25] EN
[54] **WIDE BAND DUAL-POLARIZED PLANAR ANTENNA ARRAY**
[54] **RESEAU D'ANTENNES PLANAIRES A DOUBLE POLARISATION A LARGE BANDE**
[72] MOHAMED ABDELGAIED ABDELLATIF, IBRAHIM, AE
[71] SAAB LTD-ABU DHABI, AE
[85] 2023-10-27
[86] 2021-08-31 (PCT/IB2021/057932)
[87] (WO2022/238744)
[30] US (63/186,264) 2021-05-10

[21] **3,217,072**
[13] A1

[51] **Int.Cl. C01D 7/38 (2006.01) C01D 15/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR REMOVAL OF CARBON DIOXIDE (CO2) FROM CO2-CONTAINING GASES USING ALKALI METAL ADSORBENTS**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE DIOXYDE DE CARBONE (CO2) DE GAZ CONTENANT DU CO2 A L'AIDE D'ADSORBANTS DE METAUX ALCALINS**
[72] LANIGAN-ATKINS, TYSON LEE, US
[72] SHEN, JIAN PING, US
[72] GUPTA, RAGHUBIR PRASAD, US
[72] SANDERSON, CORY ELLIOTT, US
[71] SUSTAERA INC., US
[85] 2023-10-27
[86] 2022-05-03 (PCT/US2022/027466)
[87] (WO2022/235664)
[30] US (63/183,751) 2021-05-04

[21] **3,217,076**
[13] A1

[51] **Int.Cl. C08L 89/06 (2006.01) C07K 14/78 (2006.01)**
[25] EN
[54] **CROSSLINKABLE FUNCTIONALISED-GELATIN HAVING LOW PYROGENIC ACTIVITY**
[54] **GELATINE FONCTIONNALISEE RETICULABLE PRESENTANT UNE FAIBLE ACTIVITE PYROGENE**
[72] VERGAUWEN, BJORN, BE
[71] ROUSSELOT BVBA, BE
[85] 2023-10-27
[86] 2022-06-09 (PCT/EP2022/065716)
[87] (WO2022/258763)
[30] BE (BE2021/5461) 2021-06-10
[30] BE (BE2021/5534) 2021-07-09

[21] **3,217,077**
[13] A1

[51] **Int.Cl. E21D 5/11 (2006.01)**
[25] EN
[54] **SINGLE-LAYER SHAFT LINING WITH JOINT SEALING STRUCTURE AND GROUTING SYSTEM AND ITS CONSTRUCTION METHOD**
[54] **PAROI DE Puits MONOCOUCHE AYANT UNE STRUCTURE D'ARRET D'EAU ASSEMBLEE ET SYSTEME D'INJECTION DE COULIS, ET SON PROCEDE DE CONSTRUCTION**
[72] YANG, ZHIJIANG, CN
[72] YANG, WEIHAO, CN
[72] HAN, TAO, CN
[72] ZHANG, CHI, CN
[72] ZHANG, TAO, CN
[72] LUO, TINGTING, CN
[72] ZHANG, YU, CN
[72] HUANG, JIAHUI, CN
[72] DING, YING, CN
[72] LIU, TAO, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2023-10-27
[86] 2023-04-13 (PCT/CN2023/088007)
[87] (WO2023/202455)
[30] CN (202210405334.1) 2022-04-18

[21] **3,217,078**
[13] A1

[51] **Int.Cl. G06N 10/60 (2022.01) G06N 3/04 (2023.01)**
[25] EN
[54] **QUANTUM DATA PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE DONNEES QUANTIQUES**
[72] MCCLEAN, JARROD RYAN, US
[71] GOOGLE LLC, US
[85] 2023-10-27
[86] 2022-04-26 (PCT/US2022/026340)
[87] (WO2022/232140)
[30] US (63/180,445) 2021-04-27

PCT Applications Entering the National Phase

[21] **3,217,079**
[13] A1

[51] **Int.Cl. C07K 14/54 (2006.01)**
[25] EN
[54] **FUSION POLYPEPTIDES**
[54] **POLYPEPTIDES PAR FUSION**
[72] SCHMIDT, MICHAEL, US
[72] ZARBIS-PAPASTOITSIS, GRIGORIOS, US
[72] WITTRUP, KARL DANE, US
[72] IRVINE, DARRELL, US
[71] ANKYRA THERAPEUTICS, INC., US
[85] 2023-10-27
[86] 2022-05-04 (PCT/US2022/027617)
[87] (WO2022/235755)
[30] US (63/184,620) 2021-05-05

[21] **3,217,080**
[13] A1

[25] EN
[54] **BIOPSY SYSTEM AND COUPLER DEVICE FOR USE THEREWITH**
[54] **SYSTEME DE BIOPSIE ET DISPOSITIF DE COUPLAGE DESTINE A ETRE UTILISE AVEC CELUI-CI**
[72] ADDISON, JORDAN, US
[72] FORD, SUMMER, US
[72] PALMER, ALEXANDER, US
[72] STRIEDEL, RYAN, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2023-10-27
[86] 2021-04-30 (PCT/US2021/030078)
[87] (WO2022/231609)

[21] **3,217,082**
[13] A1

[51] **Int.Cl. C02F 11/121 (2019.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPOUNDS FOR SUSTAINABLE WASTEWATER TREATMENT AND CO-PRODUCTS THEREOF**
[54] **SYSTEMES, PROCEDES ET COMPOSES POUR LE TRAITEMENT DURABLE DES EAUX USEES ET LEURS COPRODUITS**
[72] EATON, MICHAEL P., US
[71] EATON, MICHAEL P., US
[85] 2023-10-27
[86] 2022-05-03 (PCT/US2022/027445)
[87] (WO2022/235650)
[30] US (63/184,464) 2021-05-05

[21] **3,217,083**
[13] A1

[51] **Int.Cl. B21J 15/02 (2006.01) B21J 15/10 (2006.01) F16B 5/04 (2006.01) F16B 19/08 (2006.01)**
[25] EN
[54] **SELF-PIERCING RIVETING WITH BARRIER LAYER**
[54] **RIVETAGE AUTOPERCEUR AVEC COUCHE BARRIERE**
[72] LIU, YUCHAO, CA
[72] WEILER, JONATHAN PATRICK, CA
[72] WANG, GERRY, CA
[71] MAGNESIUM PRODUCTS OF AMERICA, INC., US
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026753)
[87] (WO2022/232406)
[30] US (63/180,764) 2021-04-28

[21] **3,217,084**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4545 (2006.01) C07D 403/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES COMPRISING SHP2 INHIBITORS AND PD-1 INHIBITORS**
[54] **POLYTHERAPIES COMPRENANT DES INHIBITEURS DE SHP2 ET DES INHIBITEURS DE PD-1**
[72] SHOJAEI, FARBOD, US
[72] RICONO, JILL M., US
[72] GOODENOW, ROBERT, US
[72] GILLINGS, MIREILLE, US
[71] HUYABIO INTERNATIONAL, LLC, US
[85] 2023-10-27
[86] 2022-05-04 (PCT/US2022/027696)
[87] (WO2022/235817)
[30] US (63/184,685) 2021-05-05
[30] US (63/320,997) 2022-03-17

[21] **3,217,085**
[13] A1

[25] EN
[54] **FUME HARVESTING AND ACCUMULATION SYSTEM, METHOD AND EXTRACT FOR DISSOLVING IN A TINCTURE**
[54] **SYSTEME, PROCEDE ET EXTRAIT DE COLLECTE ET D'ACCUMULATION DE FUMES POUR DISSOLUTION DANS UNE TEINTURE**
[72] FEFERBERG, ILAN, IL
[71] FEFERBERG, ILAN, IL
[85] 2023-10-27
[86] 2022-05-17 (PCT/IL2022/050514)
[87] (WO2022/234587)
[30] IL (282894) 2021-05-03

[21] **3,217,086**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01)**
[25] EN
[54] **RESIDUE MANAGEMENT SYSTEM FOR AN AGRICULTURAL ROW UNIT ASSEMBLY**
[54] **SYSTEME DE GESTION DE RESIDUS POUR ENSEMBLE AGRICOLE RAYONNEUR**
[72] MOLDER, DANIEL KIRK STANLEY, CA
[72] RUFF, ROBERT SYDNEY, CA
[72] WILSON, GORDON BLAIR, CA
[72] LLEMPRIERE, GRAEME, CA
[72] RUSH, COLIN MICHAEL, CA
[72] JHEETEY, MANMOHANJIT SINGH, CA
[72] THIRUMALAI, RAMESH, CA
[71] CLEAN SEED AGRICULTURAL TECHNOLOGIES LTD., CA
[85] 2023-10-27
[86] 2022-04-29 (PCT/CA2022/050664)
[87] (WO2022/226661)
[30] CA (3116699) 2021-04-30
[30] US (63/182,417) 2021-04-30
[30] CA (3143782) 2021-12-23
[30] US (63/293,425) 2021-12-23

Demandes PCT entrant en phase nationale

[21] **3,217,088**
[13] A1

[51] **Int.Cl. C07D 491/02 (2006.01) C07D 491/04 (2006.01) C07D 491/044 (2006.01) C07D 491/048 (2006.01)**

[25] EN

[54] **CRYSTALLINE FORMS OF (S, E)-4-(DIMETHYLAMINO)-N-(3-(4-(2-HYDROXY-1-PHENYLETHYLAMINO)-6-PHENYLFURO[2,3-D]PYRIMIDIN-5-YL)PHENYL)BUT-2-ENAMIDE**

[54] **FORMES CRISTALLINES DE BASE LIBRE DE (S, E)-4-(DIMETHYLAMINO)-N-(3-(4-(2-HYDROXY-1-PHENYLETHYLAMINO)-6-PHENYLFURO[2,3-D]PYRIMIDIN-5-YL)PHENYL)BUT-2-ENAMIDE**

[72] HSU, TSU-AN, TW
[72] HSIEH, HSING-PANG, TW
[72] CHANG, SUE-MING, TW
[71] SHIH, CHUAN, TW
[85] 2023-10-27
[86] 2022-07-06 (PCT/US2022/036260)
[87] (WO2023/283269)
[30] US (63/218,504) 2021-07-06

[21] **3,217,089**
[13] A1

[51] **Int.Cl. G16H 20/30 (2018.01) G16H 20/70 (2018.01)**

[25] EN

[54] **METHODS FOR ADAPTIVE BEHAVIORAL TRAINING USING GAZE-CONTINGENT EYE TRACKING AND DEVICES THEREOF**

[54] **PROCEDES D'ENTRAINEMENT COMPORTEMENTAL ADAPTATIF UTILISANT LE SUIVI OCULAIRE DEPENDANT DU REGARD, ET DISPOSITIFS ASSOCIES**

[72] FARBER, BENJAMIN, US
[72] ROBINSON, SIDNEY LUC, CA
[72] FARBER, MICHAEL, US
[71] BIOSTREAM TECHNOLOGIES, LLC, US
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026773)
[87] (WO2022/232422)
[30] US (63/180,748) 2021-04-28

[21] **3,217,090**
[13] A1

[51] **Int.Cl. H01H 9/44 (2006.01) H01H 9/34 (2006.01) H01H 33/08 (2006.01)**

[25] EN

[54] **A HIGH VOLTAGE HIGH CURRENT ARC EXTINGUISHING CONTACTOR**

[54] **CONTACTEUR D'EXTINCTION D'ARC A COURANT ELEVE HAUTE TENSION**

[72] POTTER, FREDERICK J., US
[72] MILLS, PATRICK W., US
[71] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
[85] 2023-10-27
[86] 2022-04-25 (PCT/US2022/026108)
[87] (WO2022/232006)
[30] US (63/182,317) 2021-04-30
[30] US (17/725,221) 2022-04-20

[21] **3,217,091**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01) G06N 20/00 (2019.01) B81B 7/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR LABELLING DATA**

[54] **SYSTEMES ET PROCEDES DE MARQUAGE DE DONNEES**

[72] PELLETIER, MARC-ANTOINE, CA
[72] CORCOS, SIMON, CA
[72] HOWTON, ROZARINA MD YUSOF, CA
[71] TECHNOLOGIES HOP-CHILD, INC., CA
[71] PELLETIER, MARC-ANTOINE, CA
[71] CORCOS, SIMON, CA
[85] 2023-10-27
[86] 2022-04-27 (PCT/CA2022/050637)
[87] (WO2022/226642)
[30] US (63/180,594) 2021-04-27

[21] **3,217,092**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4545 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **COMBINATION THERAPIES COMPRISING SHP2 INHIBITORS AND EGFR TYROSINE KINASE INHIBITORS**

[54] **POLYTHERAPIES COMPRENANT DES INHIBITEURS DE SHP2 ET DES INHIBITEURS DE TYROSINE KINASE DE L'EGFR**

[72] SHOJAEI, FARBOD, US
[72] RICONO, JILL M., US
[72] GOODENOW, ROBERT, US
[72] GILLINGS, MIREILLE, US
[71] HUYABIO INTERNATIONAL, LLC, US
[85] 2023-10-27
[86] 2022-05-04 (PCT/US2022/027693)
[87] (WO2022/235815)
[30] US (63/184,697) 2021-05-05
[30] US (63/320,991) 2022-03-17

[21] **3,217,093**
[13] A1

[25] FR

[54] **METHOD FOR CONTROLLING THE ATMOSPHERE INSIDE A GREENHOUSE IN TERMS OF HUMIDITY AND TEMPERATURE**

[54] **PROCEDE DE CONTROLE DE L'ATMOSPHERE INTERNE A UNE SERRE EN TERME D'HUMIDITE ET DE TEMPERATURE**

[72] ARAUJO, OLIVEIRA, PT
[72] JIMENEZ, JOSELUIS, ES
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2023-10-27
[86] 2022-05-06 (PCT/EP2022/062283)
[87] (WO2022/238253)
[30] EP (21173646.7) 2021-05-12

PCT Applications Entering the National Phase

[21] **3,217,094**
[13] A1

[51] **Int.Cl. B60B 15/02 (2006.01)**
[25] EN
[54] **TOOTH AND ASSOCIATED METHOD**
[54] **DENT ET PROCEDE ASSOCIE**
[72] MCCARTNEY, NEIL, GB
[71] BERNARD MCCARTNEY LIMITED, GB
[85] 2023-10-27
[86] 2022-04-27 (PCT/GB2022/051061)
[87] (WO2022/229627)
[30] US (17/243,377) 2021-04-28

[21] **3,217,096**
[13] A1

[51] **Int.Cl. C07D 405/04 (2006.01) A61P 15/16 (2006.01)**
[25] EN
[54] **CONTRACEPTIVE COMPOUNDS AND METHODS**
[54] **COMPOSES ET PROCEDES CONTRACEPTIFS**
[72] GEORG, INGRID GUNDA, US
[72] CHERYALA, NARSIHMULU, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2023-10-27
[86] 2022-05-03 (PCT/US2022/027506)
[87] (WO2022/235693)
[30] US (63/184,014) 2021-05-04
[30] US (63/307,943) 2022-02-08
[30] US (63/326,524) 2022-04-01

[21] **3,217,097**
[13] A1

[25] EN
[54] **SHP2 INHIBITOR MONOTHERAPY AND USES THEREOF**
[54] **MONOTHERAPIE D'INHIBITEUR DE SHP2 ET SES UTILISATIONS**
[72] SHOJAEI, FARBOD, US
[72] RICONO, JILL M., US
[72] GOODENOW, ROBERT, US
[72] GILLINGS, MIREILLE, US
[71] HUYABIO INTERNATIONAL, LLC, US
[85] 2023-10-27
[86] 2022-05-04 (PCT/US2022/027703)
[87] (WO2022/235822)
[30] US (63/184,710) 2021-05-05
[30] US (63/320,991) 2022-03-17

[21] **3,217,098**
[13] A1

[51] **Int.Cl. A61K 31/202 (2006.01) A61K 31/232 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING EPA AND METHODS OF USING THE SAME FOR TREATING AND/OR PREVENTING ENDOTHELIAL DYSFUNCTION IN A SUBJECT**
[54] **COMPOSITIONS COMPRENANT EPA ET LEURS METHODES D'UTILISATION POUR TRAITER ET/OU PREVENIR UN DYSFONCTIONNEMENT ENDOTHELIAL CHEZ UN SUJET**
[72] DUNBAR, RICHARD LOUIS, US
[72] MASON, RICHARD PRESTON, US
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027119)
[87] (WO2022/232633)
[30] US (63/181,496) 2021-04-29

[21] **3,217,099**
[13] A1

[51] **Int.Cl. G06N 3/08 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MACHINE LEARNING FROM MEDICAL RECORDS**
[54] **SYSTEMES ET PROCEDES D'APPRENTISSAGE AUTOMATIQUE A PARTIR DE DOSSIERS MEDICAUX**
[72] GODBOLE, SNEHA, CA
[72] RIORDAN, KATE M., US
[72] LALL, ABHISHEK, US
[72] LUNG, PEI-YAU, US
[72] KUNAPULI, GAUTAM, US
[72] BORDIA, SHIKHA, US
[72] JAIN, TUSHAR, US
[72] AHMED, SYED DANISH, US
[72] KALRA, SHUBHAM, CA
[71] INSURANCE SERVICES OFFICE, INC., US
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026817)
[87] (WO2022/232449)
[30] US (63/180,919) 2021-04-28

[21] **3,217,100**
[13] A1

[51] **Int.Cl. A61K 31/36 (2006.01) A61P 13/12 (2006.01) C07C 235/38 (2006.01) C07D 213/643 (2006.01) C07D 213/75 (2006.01) C07D 231/20 (2006.01) C07D 307/81 (2006.01) C07D 311/14 (2006.01) C07D 317/60 (2006.01)**
[25] EN
[54] **NOVEL ANTI-FIBROTIC DRUGS**
[54] **NOUVEAUX MEDICAMENTS ANTI-FIBROTIQUES**
[72] BURGSTALLER, GERALD, DE
[72] GERCKENS, MICHAEL, DE
[72] PLETTENBURG, OLIVER, DE
[72] YILDIRIM, ALI ONDER, DE
[72] HUILONG, MA, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[85] 2023-10-27
[86] 2022-06-09 (PCT/EP2022/065773)
[87] (WO2022/258792)
[30] EP (21178481.4) 2021-06-09

[21] **3,217,101**
[13] A1

[51] **Int.Cl. C04B 2/06 (2006.01)**
[25] EN
[54] **« LOW VISCOSITY MILK OF LIME »**
[54] **LAIT DE CHAUX A FAIBLE VISCOSITE**
[72] GARTNER, ROBERT S., BE
[72] BALLARD, DEBORAH A., US
[72] BALLARD, KIRSTEN, US
[71] S.A. LHOIST RECHERCHE ET DEVELOPPEMENT, BE
[85] 2023-10-27
[86] 2022-05-05 (PCT/EP2022/062136)
[87] (WO2022/234008)
[30] EP (PCT/EP2021/062038) 2021-05-06

Demandes PCT entrant en phase nationale

[21] **3,217,102**
[13] A1

[51] **Int.Cl. B29C 64/295 (2017.01) B29C 64/118 (2017.01) B29C 48/25 (2019.01) B29C 48/80 (2019.01) B29C 48/86 (2019.01)**

[25] EN
[54] **EXTRUSION FOR 3D PRINTING**
[54] **EXTRUSION POUR L'IMPRESSIION 3D**

[72] GALLE, JONAS, BE
[72] DE PAUW, JAN, BE
[71] VALCUN BV, BE
[85] 2023-10-27
[86] 2022-04-29 (PCT/EP2022/061479)
[87] (WO2022/229385)
[30] EP (21171243.5) 2021-04-29

[21] **3,217,103**
[13] A1

[51] **Int.Cl. E21B 37/02 (2006.01) E21B 29/10 (2006.01)**

[25] EN
[54] **DOWNHOLE TOOL WITH CASING SCRAPER WITH INDUCED ROTATION**
[54] **OUTIL DE FOND DE TROU A GRATTEUR DE TUBAGE A ROTATION INDUITE**

[72] MAHER, PETER REID, US
[72] EMERSON, BRITTANY MORGAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2023-10-27
[86] 2021-08-12 (PCT/US2021/045631)
[87] (WO2023/018413)
[30] US (17/444,903) 2021-08-11

[21] **3,217,104**
[13] A1

[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/04 (2013.01) A61F 2/82 (2013.01)**

[25] EN
[54] **SYSTEMS AND METHOD FOR STABILIZING ANTI-MIGRATION ANCHOR SYSTEM**
[54] **SYSTEMES ET METHODE POUR STABILISER UN SYSTEME D'ANCRAGE ANTI-MIGRATION**

[72] BELHE, KEDAR R., US
[72] SCHWARZ, WERNER, DE
[72] HAGEN, PARKER, US
[72] STANGENES, TODD, US
[72] MATTISON, RICHARD, US
[71] METAMODIX, INC., US
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026756)
[87] (WO2022/232409)
[30] US (17/243,255) 2021-04-28

[21] **3,217,106**
[13] A1

[51] **Int.Cl. G01S 17/89 (2020.01)**

[25] EN
[54] **THREE-DIMENSIONAL ULTRASONIC IMAGING METHOD AND SYSTEM BASED ON LIDAR**
[54] **PROCEDE ET SYSTEME D'IMAGERIE ULTRASONORE TRIDIMENSIONNELLE FAISANT APPEL A UN LIDAR**

[72] ZHENG, YONGPING, CN
[71] TELEFIELD MEDICAL IMAGING LIMITED, CN
[85] 2023-10-27
[86] 2022-04-27 (PCT/CN2022/089536)
[87] (WO2022/228461)
[30] CN (202110466195.9) 2021-04-28

[21] **3,217,107**
[13] A1

[51] **Int.Cl. A61K 31/685 (2006.01) A61P 31/20 (2006.01)**

[25] EN
[54] **COMBINATION OF A TLR8 MODULATING COMPOUND AND ANTI-HBV SIRNA THERAPEUTICS**
[54] **COMBINAISON D'UN COMPOSE DE MODULATION DE TLR8 ET AGENT THERAPEUTIQUE ANTI-ARNSI DE VHB**

[72] CLOUTIER, DANIEL J., US
[72] FLETCHER, SIMON P., US
[72] PANG, PHILLIP S., US
[72] STANTON, JENNY CHING-MIN, US
[72] TAY, CHIN H., US
[72] GAGGAR, ANUJ, US
[71] VIR BIOTECHNOLOGY, INC., US
[71] GILEAD SCIENCES, INC., US
[85] 2023-10-27
[86] 2022-05-12 (PCT/US2022/029022)
[87] (WO2022/241134)
[30] US (63/188,339) 2021-05-13
[30] US (63/336,709) 2022-04-29

PCT Applications Entering the National Phase

[21] 3,217,108 [13] A1	[21] 3,217,111 [13] A1	[21] 3,217,114 [13] A1
[51] Int.Cl. G06T 7/33 (2017.01) G06T 7/80 (2017.01) G01B 21/04 (2006.01) G02B 21/26 (2006.01)	[51] Int.Cl. A61K 47/68 (2017.01) A61K 45/06 (2006.01)	[51] Int.Cl. B05D 1/34 (2006.01) G02B 1/12 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHOD FOR OPTICALLY EVALUATING AN OPERATING ACCURACY OF A DIGITAL MICROSCOPE, METHOD FOR CONTROLLING A MOVABLE TABLE OF A DIGITAL MICROSCOPE, AND PHOTO MASK FOR OPTICALLY EVALUATING AN OPERATING ACCURACY OF A DIGITAL MICROSCOP	[54] USE OF MEDICAMENT IN TREATMENT OF TUMOR DISEASE	[54] PRODUCING COATED TEXTILES USING PHOTO-INITIATED CHEMICAL VAPOR DEPOSITION
[54] PROCEDE D'EVALUATION OPTIQUE D'UNE PRECISION DE FONCTIONNEMENT D'UN MICROSCOPE NUMERIQUE, PROCEDE DE COMMANDE D'UNE TABLE MOBILE D'UN MICROSCOPE NUMERIQUE ET MASQUE PHOTOGRAPHIQUE POUR L'EVALUATION OPTIQUE D'UNE PRECISION DE FONCTIONNEMENT D'UN MICROSCOPE NUMERIQUE	[54] UTILISATION D'UN MEDICAMENT DANS LE TRAITEMENT D'UNE MALADIE TUMORALE	[54] PRODUCTION DE TEXTILES REVETUS PAR DEPOT CHIMIQUE EN PHASE VAPEUR PHOTO-AMORCE
[72] MULLER, FRITZ, DE	[72] GE, JUNYOU, CN	[72] ANDREW, TRISHA LIONEL, US
[72] MULLER, JOHANNES, CH	[72] OUYANG, XUENONG, CN	[72] BEACH, ADRIAN J., US
[72] BAUER, JOSEF, DE	[72] JIN, XIAOPING, CN	[72] NANDY, SAYANTANI, US
[71] PRECIPOINT GMBH, DE	[72] DIAO, YINA, CN	[71] SOLIYARN, INC., US
[85] 2023-10-27	[72] LIU, GESHA, CN	[85] 2023-10-27
[86] 2022-04-28 (PCT/EP2022/061354)	[72] CHENG, YEZHE, CN	[86] 2022-04-29 (PCT/US2022/027041)
[87] (WO2022/229323)	[72] WANG, JINGYI, CN	[87] (WO2022/232583)
[30] EP (21171336.7) 2021-04-29	[72] XU, YING, CN	[30] US (63/181,466) 2021-04-29
	[72] RAO, CHUN, CN	
	[71] SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD., CN	
	[85] 2023-10-27	[21] 3,217,115 [13] A1
	[86] 2022-04-28 (PCT/CN2022/089737)	[25] EN
	[87] (WO2022/228497)	[54] COMPOSITIONS AND METHODS FOR TARGETING LIPID NANOPARTICLE THERAPEUTICS TO STEM CELLS
	[30] CN (202110482012.2) 2021-04-30	[54] COMPOSITIONS ET METHODES POUR CIBLER DES AGENTS THERAPEUTIQUES DE NANOPARTICULES LIPIDIQUES (LNP) SUR DES CELLULES SOUCHES
		[54] COMPOSITIONS ET METHODES POUR CIBLER DES AGENTS THERAPEUTIQUES DE NANOPARTICULES LIPIDIQUES (LNP) SUR DES CELLULES SOUCHES
	[21] 3,217,112 [13] A1	[72] PARHIZ, HAMIDEH, US
	[51] Int.Cl. A61K 47/68 (2017.01) C07K 16/28 (2006.01)	[72] WEISSMAN, DREW, US
	[25] EN	[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
	[54] ANTIBODY-DRUG CONJUGATE TARGETING NECTIN-4 AND PREPARATION METHOD THEREFOR AND USE THEREOF	[85] 2023-10-27
	[54] CONJUGUE ANTICORPS-MEDICAMENT CIBLANT LA NECTINE-4 ET SON PROCEDE DE PREPARATION ET SON UTILISATION	[86] 2022-04-29 (PCT/US2022/026933)
	[72] ZHOU, WEI, CN	[87] (WO2022/232514)
	[72] TAN, XIAODING, CN	[30] US (63/182,639) 2021-04-30
	[72] LIU, DATAO, CN	
	[71] JIANGSU MABWELL HEALTH PHARMACEUTICAL R&D CO., LTD., CN	
	[71] MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., CN	
	[85] 2023-10-27	
	[86] 2022-04-29 (PCT/CN2022/090450)	
	[87] (WO2022/228563)	
	[30] CN (202110481199.4) 2021-04-30	
[21] 3,217,110 [13] A1		
[25] EN		
[54] BEACON FRAME TRANSMISSION METHOD IN EMLSR MODE, AND RELATED APPARATUS		
[54] PROCEDE DE TRANSMISSION DE TRAME DE BALISE EN MODE EMLSR, ET APPAREIL ASSOCIE		
[72] LI, YIQING, CN		
[72] GUO, YUCHEN, CN		
[72] LI, YUNBO, CN		
[72] HUANG, GUOGANG, CN		
[72] GAN, MING, CN		
[71] HUAWEI TECHNOLOGIES CO., LTD., CN		
[85] 2023-10-27		
[86] 2022-04-25 (PCT/CN2022/089064)		
[87] (WO2022/228400)		
[30] CN (202110462339.3) 2021-04-27		

Demandes PCT entrant en phase nationale

[21] **3,217,116**
[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **DYNAMIC COMPUTATIONAL RESOURCE ALLOCATION**
[54] **ATTRIBUTION DYNAMIQUE DE RESSOURCES DE CALCUL**
[72] SCHMIDT, STEPHEN J., US
[72] RICARDO, DAVID, US
[72] STANFILL, CRAIG W., US
[72] CHU, JACKY CHEUK KEI, US
[72] VISHNIAC, EPHRAIM MERIWETHER, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2023-10-27
[86] 2022-06-03 (PCT/US2022/032139)
[87] (WO2022/256638)
[30] US (63/196,757) 2021-06-04

[21] **3,217,117**
[13] A1

[51] **Int.Cl. A01N 59/20 (2006.01) C08K 3/015 (2018.01) C08K 3/40 (2006.01)**
[25] EN
[54] **HIGH EFFICACY CU-BASED ANTI-MICROBIAL FILMS AND SUBSTRATES AND METHODS OF MAKING THE SAME**
[54] **FILMS ET SUBSTRATS ANTIMICROBIENS A BASE DE CUIVRE A HAUTE EFFICACITE ET LEURS PROCEDES DE FABRICATION**
[72] ANTONY, ANDREW CHARLES, US
[72] CHANG, THERESA, US
[72] GOYAL, SUSHMIT SUNIL KUMAR, US
[72] JAYARAMAN, SHRISUDERSAN, US
[72] QI, RUI, US
[72] TJONG, VINALIA, US
[72] YUAN, SHU, US
[71] CORNING INCORPORATED, US
[85] 2023-10-27
[86] 2022-04-26 (PCT/US2022/026270)
[87] (WO2022/232089)
[30] US (63/180,780) 2021-04-28

[21] **3,217,118**
[13] A1

[51] **Int.Cl. A61B 5/16 (2006.01) G10L 15/01 (2013.01) G10L 25/60 (2013.01) G10L 25/66 (2013.01) G16H 10/20 (2018.01) G16H 10/60 (2018.01) G16H 15/00 (2018.01) A61B 5/00 (2006.01) G10L 15/14 (2006.01) G10L 15/16 (2006.01) G10L 15/18 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIGITAL SPEECH-BASED EVALUATION OF COGNITIVE FUNCTION**
[54] **SYSTEMES ET PROCEDES D'EVALUATION NUMERIQUE DE LA FONCTION COGNITIVE REPOSANT SUR LA PAROLE**
[72] STEGMANN, GABRIELA, US
[72] HAHN, SHIRA, US
[72] BERISHA, VISAR, US
[72] LISS, JULIE, US
[71] AURAL ANALYTICS, INC., US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[85] 2023-10-27
[86] 2022-03-31 (PCT/US2022/022885)
[87] (WO2022/212740)
[30] US (63/169,069) 2021-03-31
[30] US (63/311,830) 2022-02-18

[21] **3,217,119**
[13] A1

[25] EN
[54] **PROCESS FOR THE PRODUCTION OF METAL OXIDES OR CITRIC ACID**
[54] **PROCEDE DESTINE A LA PRODUCTION D'OXYDES METALLIQUES OU D'ACIDE CITRIQUE**
[72] NOVEK, ETHAN, US
[71] INNOVATOR ENERGY LLC, US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/026907)
[87] (WO2022/232493)
[30] US (17/243,714) 2021-04-29
[30] US (17/243,704) 2021-04-29
[30] US (17/590,483) 2022-02-01

[21] **3,217,120**
[13] A1

[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE INTERNET COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE DESTINES A DES COMMUNICATIONS INTERNET SECURISEES**
[72] RIVERA, JOSE MANUEL, US
[72] LASKY, MICHAEL, US
[72] BRUCE, ANDREW, US
[71] RIVIDIDIUM, INC., US
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026665)
[87] (WO2022/232353)
[30] US (63/181,297) 2021-04-29
[30] US (17/729,177) 2022-04-26

[21] **3,217,121**
[13] A1

[51] **Int.Cl. A61K 47/59 (2017.01)**
[25] EN
[54] **LIPID NANOPARTICLE THERAPEUTICS THAT EVADE THE IMMUNE RESPONSE**
[54] **AGENTS THERAPEUTIQUES A BASE DE NANOPARTICULES LIPIDIQUES (LNP) EVITANT LA REPONSE IMMUNITAIRE**
[72] PARHIZ, HAMIDEH, US
[72] WEISSMAN, DREW, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/026998)
[87] (WO2022/232552)
[30] US (63/182,605) 2021-04-30

[21] **3,217,122**
[13] A1

[25] EN
[54] **CONTAINER RECIPIENT**
[72] VENRATH, JULE LUCIA, DE
[71] VENRATH, JULE LUCIA, DE
[85] 2023-10-27
[86] 2022-04-16 (PCT/EP2022/060198)
[87] (WO2022/228926)
[30] EP (21171712.9) 2021-04-30

PCT Applications Entering the National Phase

[21] **3,217,124**
[13] A1

[51] **Int.Cl. C07D 261/04 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **USE OF ISOXAZOLINE FOR PROTECTION AGAINST PARASITIC PESTS IN FISH**
[54] **UTILISATION D'ISOXAZOLINE POUR PROTEGER DES POISSONS CONTRE DES PARASITES**
[72] O'HALLORAN, JOHN, CA
[71] O'HALLORAN, JOHN, CA
[85] 2023-10-27
[86] 2022-04-29 (PCT/CA2022/050663)
[87] (WO2022/226660)
[30] US (63/182,576) 2021-04-30

[21] **3,217,125**
[13] A1

[51] **Int.Cl. C07H 13/12 (2006.01) A61K 31/7012 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **CARBOHYDRATE DERIVATIVES AND KITS FOR CELL SURFACE LABELING**
[54] **DERIVES D'HYDRATES DE CARBONE ET KITS POUR LE MARQUAGE DE SURFACE CELLULAIRE**
[72] VRABEL, MILAN, SK
[72] DZIJAK, RASTISLAV, SK
[72] KOVALOVA, ANNA, CZ
[71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY AS CR, V. V. I., CZ
[85] 2023-10-27
[86] 2022-06-20 (PCT/CZ2022/050058)
[87] (WO2022/268239)
[30] EP (21181606.1) 2021-06-24

[21] **3,217,127**
[13] A1

[51] **Int.Cl. B60L 53/14 (2019.01) B60L 53/30 (2019.01) H02B 1/26 (2006.01)**
[25] EN
[54] **MODULAR CHARGING SYSTEM**
[54] **SYSTEME DE CHARGE MODULAIRE**
[72] ROBERSON-HAMLIN, TIMOTHY J, US
[72] HILL, NATHAN A., US
[72] MOREY, ADAM, US
[71] DAIMLER TRUCK AG, DE
[71] DAIMLER TRUCK NORTH AMERICA LLC, US
[85] 2023-10-27
[86] 2022-05-03 (PCT/US2022/027398)
[87] (WO2022/235619)
[30] US (63/183,223) 2021-05-03

[21] **3,217,128**
[13] A1

[51] **Int.Cl. A61K 31/4178 (2006.01) C07D 233/72 (2006.01) C07D 307/64 (2006.01)**
[25] EN
[54] **USE OF MMP INHIBITORS FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME**
[54] **UTILISATION D'INHIBITEURS DE MMP POUR LE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE**
[72] LI, YUHUA, US
[72] CHIEN, BENJAMIN, US
[71] FORESEE PHARMACEUTICALS CO., LTD., TW
[85] 2023-10-27
[86] 2022-06-07 (PCT/US2022/072789)
[87] (WO2022/261623)
[30] US (63/208,268) 2021-06-08

[21] **3,217,129**
[13] A1

[51] **Int.Cl. B64G 1/40 (2006.01) G21C 15/24 (2006.01) G21D 5/02 (2006.01) G21C 1/32 (2006.01)**
[25] EN
[54] **SPACE NUCLEAR PROPULSION REACTOR AFT PLENUM ASSEMBLY**
[54] **ENSEMBLE PLENUM ARRIERE POUR REACTEUR DE PROPULSION NUCLEAIRE SPATIALE**
[72] ALES, MATTHEW W., US
[72] FLEMING, EMILY D., US
[72] THOME, TED L., US
[71] BWX TECHNOLOGIES, INC., US
[85] 2023-10-27
[86] 2022-04-27 (PCT/US2022/026557)
[87] (WO2022/240588)
[30] US (63/180,357) 2021-04-27

[21] **3,217,130**
[13] A1

[51] **Int.Cl. A47F 1/035 (2006.01)**
[25] EN
[54] **EXCLUSIVE DUAL-GATED DISPENSER**
[54] **DISTRIBUTEUR A DEUX GRILLES EXCLUSIF**
[72] SITWELL, SIMON, CA
[71] SITWELL, SIMON, CA
[85] 2023-10-27
[86] 2022-05-13 (PCT/CA2022/050761)
[87] (WO2022/236430)
[30] US (63/188,973) 2021-05-14

[21] **3,217,131**
[13] A1

[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6816 (2018.01)**
[25] EN
[54] **AMPLIFICATION TECHNIQUES FOR NUCLEIC ACID CHARACTERIZATION**
[54] **TECHNIQUES D'AMPLIFICATION POUR LA CARACTERISATION D'ACIDES NUCLEIQUES**
[72] GORMLEY, NIAL ANTHONY, GB
[72] WANG, CLIFFORD LEE, US
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2023-10-27
[86] 2022-04-28 (PCT/US2022/026777)
[87] (WO2022/232425)
[30] US (63/181,769) 2021-04-29

Demandes PCT entrant en phase nationale

[21] **3,217,132**
[13] A1

[25] EN
[54] **THE POLARITY AND SPECIFICITY OF SARS-COV2 - SPECIFIC T LYMPHOCYTE RESPONSES AS A BIOMARKER OF DISEASE SUSCEPTIBILITY**

[54] **POLARITE ET SPECIFICITE DE REPNSES DE LYMPHOCYTES T SPECIFIQUES AU SARS-COV2 UTILISEES EN TANT QUE BIOMARQUEUR DE LA SUSCEPTIBILITE AUX MALADIES**

[72] ZITVOGEL, LAURENCE, FR
[72] FAHRNER, JEAN-EUDES, FR
[72] MAEURER, MARKUS, PT
[72] DE SOUSA, ERIC, PT
[72] LERIAS, JOANA, PT
[71] INSTITUT GUSTAVE ROUSSY, FR
[71] FUNDACAO D. ANNA DE SOMMER CHAMPALIMAUD E DR. CARLOS MONTEZ CHAMPALIMAUD FOUNDATION, PT
[71] UNIVERSITE PARIS-SACLAY, FR
[71] TRANSGENE SA, FR
[85] 2023-10-27
[86] 2022-04-29 (PCT/EP2022/061635)
[87] (WO2022/229461)
[30] EP (21171378.9) 2021-04-29
[30] EP (21171380.5) 2021-04-29
[30] EP (21306369.6) 2021-09-30

[21] **3,217,133**
[13] A1

[51] **Int.Cl. C25B 9/63 (2021.01) C25B 9/70 (2021.01) C25B 9/73 (2021.01) C25B 1/04 (2021.01)**

[25] FR
[54] **ELECTROLYSIS UNIT FOR A FILTER-PRESS-TYPE ELECTROLYSER**

[54] **UNITE D'ELECTROLYSE POUR ELECTROLYSEUR DE TYPE FILTRE-PRESSE**

[72] VAN HEE, LUC, FR
[72] BORGUET, SEBASTIEN, BE
[72] BANASZAK, PIERRE, BE
[71] JOHN COCKERILL HYDROGEN BELGIUM, BE
[85] 2023-10-27
[86] 2022-04-25 (PCT/EP2022/060919)
[87] (WO2022/229112)
[30] CN (202110479725.3) 2021-04-30
[30] CN (202120941513.8) 2021-04-30

[21] **3,217,134**
[13] A1

[51] **Int.Cl. B60W 40/114 (2012.01) B62J 45/415 (2020.01) B62D 37/06 (2006.01)**

[25] EN
[54] **YAW DAMPER FOR TWO-WHEELED SELF-BALANCING VEHICLE**

[54] **AMORTISSEUR DE LACET POUR VEHICULE A AUTO-EQUILIBRAGE A DEUX ROUES**

[72] BAILEY, DAVID ARTHUR, US
[72] KIM, DANIEL KEE YOUNG, US
[71] LIT MOTORS CORPORATION, US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027145)
[87] (WO2022/232655)
[30] US (63/181,795) 2021-04-29

[21] **3,217,135**
[13] A1

[51] **Int.Cl. A61B 5/1455 (2006.01)**

[25] EN
[54] **METHODS AND DEVICES FOR NON-INVASIVE MEASURING OF BLOOD GLUCOSE USING FOCUSED LIGHT SOURCES**

[54] **PROCEDES ET DISPOSITIFS POUR UNE MESURE NON INVASIVE DE LA GLYCEMIE A L'AIDE DE SOURCES LUMINEUSES FOCALISEES**

[72] VELUVALI, ARVIND SAI, US
[72] WHITELY, CUTLER BOZEMAN, US
[71] ASTELLAR LABS, INC., US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027095)
[87] (WO2022/232619)
[30] US (63/181,508) 2021-04-29

[21] **3,217,136**
[13] A1

[51] **Int.Cl. A61K 31/20 (2006.01) A61P 27/02 (2006.01)**

[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF DIABETIC RETINOPATHY AND RELATED CONDITIONS**

[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE LA RETINOPATHIE DIABETIQUE ET D'AFFECTIONS APPARENTEES**

[72] SOOCH, MINA, US
[72] CHARIZANIS, KONSTANTINOS, US
[72] KELLEY, MARK R., US
[72] MESSMANN, RICHARD ADAM, US
[72] BRIGELL, MITCHELL GEORGE, US
[72] PATEL, RONIL AJAYKUMAR, US
[71] OCUPHIRE PHARMA, INC., US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027062)
[87] (WO2022/232597)
[30] US (63/182,037) 2021-04-30

[21] **3,217,137**
[13] A1

[51] **Int.Cl. A24B 15/167 (2020.01) A24F 40/42 (2020.01) A24B 15/26 (2006.01)**

[25] EN
[54] **CANNABIDIOL-DOMINANT FORMULATIONS, METHODS OF MANUFACTURING, AND USES THEREOF**

[54] **FORMULATIONS DANS LESQUELLES LE CANNABIDIOL EST LE CONSTITUANT DOMINANT, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS**

[72] ADAIR, CHRISTOPHER, CA
[72] NAZARIAN, STEVEN, CA
[71] TILRAY, INC., US
[85] 2023-10-27
[86] 2022-04-29 (PCT/US2022/027027)
[87] (WO2022/232574)
[30] US (63/181,955) 2021-04-29

PCT Applications Entering the National Phase

[21] 3,217,138 [13] A1	[21] 3,217,140 [13] A1	[21] 3,217,142 [13] A1
[25] FR [54] TYRE WITH A CROWN REINFORCEMENT COMPRISING A LAYER OF CIRCUMFERENTIAL REINFORCING ELEMENTS [54] PNEUMATIQUE DONT L'ARMATURE DE SOMMET COMPORTE UNE COUCHE D'ELEMENTS DE RENFORCEMENT CIRCONFERENCELS [72] PILON, VINCENT, FR [72] PACQUELET, SARAH, FR [72] SALLAZ, GILLES, FR [72] BUCHER, LAURENT, FR [72] PINAUT, REMI, FR [71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR [85] 2023-10-27 [86] 2022-07-11 (PCT/FR2022/051394) [87] (WO2023/002107) [30] FR (FR2107744) 2021-07-19	[51] Int.Cl. A01G 25/09 (2006.01) G01S 19/51 (2010.01) [25] EN [54] SYSTEM, METHOD AND APPARATUS FOR COMPUTING AND MANAGING THE FLOW RATE WITHIN AN IRRIGATION CORNER ASSEMBLY [54] SYSTEME, PROCEDE ET APPAREIL POUR CALCULER ET GERER LE DEBIT A L'INTERIEUR D'UN ENSEMBLE D'ANGLE D'IRRIGATION [72] MOELLER, MARK A., US [72] THATCHER, TRACY A., US [71] VALMONT INDUSTRIES, INC., US [85] 2023-10-27 [86] 2022-06-14 (PCT/US2022/033354) [87] (WO2022/271479) [30] US (63/213,345) 2021-06-22	[51] Int.Cl. G01G 17/08 (2006.01) G01G 23/37 (2006.01) [25] EN [54] SYSTEMS, DEVICES AND METHODS FOR WEIGHING [54] SYSTEMES, DISPOSITIFS ET PROCEDES DE PESAGE [72] BELL, MATHEW, NZ [72] HARRISON, JOHN, NZ [72] BODY, NICK, NZ [72] TYAGI, ANKUR, NZ [72] POHL, ONDREJ, NZ [72] REID, PAUL CLIFFORD, NZ [72] HUANG, ROY, NZ [72] ANDREWS, THOMAS CARLTON, NZ [71] GALLAGHER GROUP LIMITED, NZ [85] 2023-10-27 [86] 2022-04-29 (PCT/NZ2022/050050) [87] (WO2022/231441) [30] NZ (775549) 2021-04-30
[21] 3,217,139 [13] A1	[21] 3,217,141 [13] A1	[21] 3,217,143 [13] A1
[51] Int.Cl. A23L 33/10 (2016.01) A61K 31/5415 (2006.01) A61K 31/542 (2006.01) A61P 21/00 (2006.01) [25] EN [54] COMPOSITION FOR PREVENTING OR TREATING MUSCULAR DISEASE, COMPRISING OXICAM-BASED COMPOUND [54] COMPOSITION DE PREVENTION OU DE TRAITEMENT D'UNE MALADIE MUSCULAIRE, COMPRENANT UN COMPOSE A BASE D'OXICAM [72] LEE, SANG-JIN, KR [72] SO, HYUN-KYUNG, KR [72] LEE, HYE YOUNG, KR [71] ANIMUSCURE INC., KR [85] 2023-10-27 [86] 2022-01-05 (PCT/KR2021/014993) [87] (WO2022/231080) [30] KR (10-2021-0054247) 2021-04-27 [30] KR (10-2021-0142296) 2021-10-25	[51] Int.Cl. C07K 16/28 (2006.01) [25] EN [54] DOSING REGIMEN FOR COMBINATION THERAPY TARGETING DLL3 AND PD-1 [54] SCHEMA POSOLOGIQUE POUR POLYTHERAPIE CIBLANT DLL3 ET PD-1 [72] SADRAEI, NOOSHIN HASHEMI, US [72] SHETTY, ADITYA, US [72] MINOCHA, MUKUL, US [72] SMIT, MARIE-ANN DAMIETTE, US [72] WONG, HANSEN, US [72] ROYCHOUDHURY, SIDDHARTHA, US [71] AMGEN INC., US [85] 2023-10-27 [86] 2022-05-06 (PCT/US2022/028135) [87] (WO2022/240688) [30] US (63/186,569) 2021-05-10	[51] Int.Cl. A47C 27/06 (2006.01) A47C 27/07 (2006.01) [25] EN [54] GLUELESS POCKETED SPRING CUSHIONING UNIT ASSEMBLER [54] ASSEMBLEUR D'UNITES D'AMORTISSEMENT DE RESSORTS ENSACHES SANS COLLE [72] WOLFSON, MARTIN, US [72] JOHNSON, LONNIE CARTER, US [71] WOLFSON, MARTIN, US [71] JOHNSON, LONNIE CARTER, US [85] 2023-10-27 [86] 2022-05-10 (PCT/US2022/028599) [87] (WO2022/240881) [30] US (63/186,792) 2021-05-10 [30] US (17/741,214) 2022-05-10

Demandes PCT entrant en phase nationale

[21] **3,217,144**
[13] A1

[51] **Int.Cl. G06F 9/54 (2006.01)**
[25] EN
[54] **HIGH SPEED MAINFRAME APPLICATION TOOL**
[54] **OUTIL D'APPLICATION D'ORDINATEUR CENTRAL A GRANDE VITESSE**
[72] RAMANJANI, RAJIV, IN
[71] FIDELITY INFORMATION SERVICES, LLC, US
[85] 2023-10-27
[86] 2022-07-11 (PCT/US2022/036620)
[87] (WO2023/287673)
[30] IN (202111031219) 2021-07-12
[30] US (17/461,116) 2021-08-30

[21] **3,217,145**
[13] A1

[51] **Int.Cl. B07B 1/28 (2006.01) B07B 1/34 (2006.01) B07B 1/46 (2006.01) B07B 1/50 (2006.01)**
[25] EN
[54] **VIBRATORY SCREENER**
[54] **TAMISEUR VIBRANT**
[72] SCHULTHEIS, WINFRIED, DE
[71] VIBRA MASCHINENFABRIK SCHULTHEIS GMBH & CO., DE
[85] 2023-10-27
[86] 2021-06-22 (PCT/EP2021/066883)
[87] (WO2022/268291)

[21] **3,217,146**
[13] A1

[51] **Int.Cl. B23C 5/08 (2006.01) B23C 5/22 (2006.01)**
[25] EN
[54] **SLOTING TOOL BODY HAVING INSERT RECEIVING SLOTS CONNECTED BY FLEXIBILITY RECESS AND ROTARY SLOT CUTTING TOOL HAVING SAME**
[54] **CORPS D'OUTIL DE RAINURAGE AYANT DES RAINURES DE RECEPTION DE PLAQUETTE RELIEES PAR UN EVIDEMENT DE FLEXIBILITE ET OUTIL ROTATIF A RAINURER DOTE D'UN TEL CORPS D'OUTIL**
[72] ATHAD, SHIMON, IL
[71] ISCAR LTD., IL
[85] 2023-10-27
[86] 2022-04-10 (PCT/IL2022/050368)
[87] (WO2022/234555)
[30] US (17/306,062) 2021-05-03

[21] **3,217,147**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR NEUROMUSCULAR FEEDBACK SMART WEARABLES TO OPTIMIZE MOVEMENT HEALTH AND PERFORMANCE VIA JOINT STABILITY**
[54] **SYSTEMES ET PROCEDES POUR DES DISPOSITIFS INTELLIGENTS POUVANT ETRE PORTES A RETROACTION NEUROMUSCULAIRE POUR OPTIMISER LA SANTE ET LA PERFORMANCE DE MOUVEMENT PAR L'INTERMEDIAIRE DE STABILITE D'ARTICULATION**
[72] JOSEPH, NIGEL A., CA
[71] MINDFULL SOLUTIONS INC., CA
[85] 2023-10-27
[86] 2022-04-29 (PCT/CA2022/050666)
[87] (WO2022/226663)
[30] US (63/182,246) 2021-04-30

[21] **3,217,148**
[13] A1

[51] **Int.Cl. C22B 3/04 (2006.01)**
[25] EN
[54] **NOBLE METAL EXTRACTION METHOD AND APPARATUS**
[54] **APPAREIL ET PROCEDE D'EXTRACTION DE METAUX NOBLES**
[72] VILLALON, THOMAS ANTHONY JR., US
[71] PHOENIX TAILINGS INC., US
[85] 2023-10-27
[86] 2022-03-31 (PCT/US2022/022782)
[87] (WO2022/235356)
[30] US (63/183,163) 2021-05-03

[21] **3,217,149**
[13] A1

[51] **Int.Cl. C12N 15/77 (2006.01) C12P 13/08 (2006.01)**
[25] EN
[54] **CORYNEBACTERIUM GLUTAMICUM VARIANT HAVING IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE USING SAME**
[54] **VARIANT DE CORYNEBACTERIUM GLUTAMICUM AYANT UNE CAPACITE DE PRODUCTION DE L-LYSINE AMELIOREE ET PROCEDE DE PRODUCTION DE L-LYSINE L'UTILISANT**
[72] LEE, YOUNG JU, KR
[72] LEE, SUN HEE, KR
[72] LEE, HAN JIN, KR
[72] PARK, SEOK HYUN, KR
[72] PARK, JOON HYUN, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2023-10-27
[86] 2021-05-25 (PCT/KR2021/006499)
[87] (WO2022/231054)
[30] KR (10-2021-0055536) 2021-04-29
[30] KR (10-2021-0066151) 2021-05-24

[21] **3,217,150**
[13] A1

[51] **Int.Cl. G06T 7/20 (2017.01)**
[25] EN
[54] **UNCONSTRAINED IMAGE STABILISATION**
[54] **STABILISATION D'IMAGE SANS CONTRAINTE**
[72] WATSON, MATTHEW THOMAS, GB
[72] COPE, ALEXANDER JOHN, GB
[71] OPTERAN TECHNOLOGIES LIMITED, GB
[85] 2023-10-27
[86] 2022-04-26 (PCT/GB2022/051055)
[87] (WO2022/248824)
[30] GB (2107427.3) 2021-05-25

PCT Applications Entering the National Phase

[21] **3,217,151**
[13] A1

[51] **Int.Cl. G06F 12/1009 (2016.01) G06F 12/1027 (2016.01)**
[25] EN
[54] **RESET DYNAMIC ADDRESS TRANSLATION PROTECTION INSTRUCTION**
[54] **INSTRUCTION DE PROTECTION DE TRADUCTION D'ADRESSE DYNAMIQUE DE REINITIALISATION**
[72] GIAMEI, BRUCE, US
[72] SLEGEL, TIMOTHY, US
[72] BORNTRAEGER, CHRISTIAN, DE
[72] OSISEK, DAMIAN, US
[72] HELLER, LISA, US
[72] GAERTNER, UTE, DE
[72] YOST, CHRISTINE, US
[72] TZORTZATOS, ELPIDA, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2023-10-27
[86] 2022-05-31 (PCT/EP2022/064836)
[87] (WO2022/253866)
[30] US (17/335,224) 2021-06-01

[21] **3,217,152**
[13] A1

[51] **Int.Cl. G06F 7/76 (2006.01)**
[25] EN
[54] **REFORMATTING OF TENSORS TO PROVIDE SUB-TENSORS**
[54] **REFORMATAGE DE TENSEURS POUR FOURNIR DES SOUS-TENSEURS**
[72] LICHTENAU, CEDRIC, DE
[72] GOPALAKRISHNAN, KAILASH, US
[72] SRINIVASAN, VIJAYALAKSHMI, US
[72] SAPORITO, ANTHONY, US
[72] SHUKLA, SUNIL, US
[72] VENKATARAMANI, SWAGATH, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2023-10-27
[86] 2022-06-09 (PCT/EP2022/065666)
[87] (WO2022/263280)
[30] US (17/350,528) 2021-06-17

[21] **3,217,153**
[13] A1

[25] EN
[54] **KETAMINE AND CANNABIS FOR THE TREATMENT OF EMOTIONAL DISORDERS**
[54] **KETAMINE ET CANNABIS POUR LE TRAITEMENT DE TROUBLES EMOTIONNELS**
[72] WOLFSON, PHILIP E., US
[72] DALEY, PAUL FREEMAN, US
[71] PROGRESSIVE THERAPEUTICS INC, US
[71] DALEY, PAUL FREEMAN, US
[85] 2023-10-28
[86] 2022-05-02 (PCT/US2022/027313)
[87] (WO2022/232693)
[30] US (63/182,261) 2021-04-30

[21] **3,217,154**
[13] A1

[51] **Int.Cl. B65D 65/12 (2006.01)**
[25] EN
[54] **CLOSURE APPARATUS FOR A RECYCLABLE CONTAINER**
[54] **APPAREIL DE FERMETURE POUR RECIPIENT RECYCLABLE**
[72] KINDNESS, ANDREW A., GB
[72] ALEXANDER, SCOTT, GB
[71] MULTI PACKAGING SOLUTIONS UK LIMITED, GB
[85] 2023-10-28
[86] 2022-04-29 (PCT/GB2022/051100)
[87] (WO2022/229658)
[30] US (63/182,009) 2021-04-30

[21] **3,217,155**
[13] A1

[51] **Int.Cl. A23L 33/105 (2016.01) A23L 33/19 (2016.01)**
[25] EN
[54] **HIGH PROTEIN, MICELLAR CASEIN-CONTAINING NUTRITIONAL LIQUIDS ENRICHED WITH CATECHIN-COMPOUNDS AND METHOD OF PRODUCTION**
[54] **LIQUIDES NUTRITIONNELS CONTENANT DE LA CASEINE MICELLAIRE, A HAUTE TENEUR EN PROTEINES, ENRICHIS EN COMPOSES DE CATECHINE ET LEUR PROCEDE DE PRODUCTION**
[72] ALEXANDER, MARCELA, DK
[72] PINHOLT, BIRGITTE, DK
[71] ARLA FOODS AMBA, DK
[85] 2023-10-28
[86] 2022-05-19 (PCT/EP2022/063646)
[87] (WO2022/243479)
[30] EP (21174628.4) 2021-05-19

[21] **3,217,160**
[13] A1

[51] **Int.Cl. G01R 22/06 (2006.01) G01R 22/10 (2006.01) G02B 1/11 (2015.01) G02F 1/133 (2006.01) G02F 1/1333 (2006.01)**
[25] EN
[54] **FAN CONTROL FOR ELECTRONIC DISPLAY ASSEMBLIES**
[54] **COMMANDE DE VENTILATEUR POUR ENSEMBLES D'AFFICHAGE ELECTRONIQUES**
[72] DUNN, WILLIAM, US
[72] BROWN, MIKE, US
[72] SCHUCH, JOHN, US
[71] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2023-09-07
[86] 2022-03-14 (PCT/US2022/020207)
[87] (WO2022/197617)
[30] US (63/161,147) 2021-03-15
[30] US (63/239,273) 2021-08-31

Demandes PCT entrant en phase nationale

[21] **3,217,161**
[13] A1

[51] **Int.Cl. C07F 9/6558 (2006.01) A61K 31/663 (2006.01) A61P 29/02 (2006.01)**

[25] FR

[54] **HYDROXYBISPHOSPHONIC DERIVATIVES OF MELOXICAM FOR THE TREATMENT OF INFLAMMATORY JOINT DISEASES**

[54] **DERIVES HYDROXYBISPHOSPHONIQUES DE MELOXICAM POUR TRAITEMENT DES MALADIES INFLAMMATOIRES OSTEOARTICULAIRES**

[72] EGOROV, MAXIM, FR
[72] CAGNOL, SEBASTIEN, FR
[72] LE BOT, RONAN, FR
[72] GOUJON, JEAN-YVES, FR
[71] ATLANTHERA, FR
[85] 2023-10-30
[86] 2022-04-29 (PCT/FR2022/050830)
[87] (WO2022/229576)
[30] FR (FR2104538) 2021-04-30

[21] **3,217,162**
[13] A1

[51] **Int.Cl. B22F 1/05 (2022.01) B22F 1/054 (2022.01) B22F 3/10 (2006.01) B22F 3/14 (2006.01) B22F 3/24 (2006.01) B22F 5/00 (2006.01) B22F 9/04 (2006.01) C22C 1/05 (2006.01) C22C 1/10 (2023.01) C22C 29/06 (2006.01) C22C 29/08 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A CEMENTED CARBIDE BODY**

[54] **PROCEDE DE FABRICATION D'UN CORPS EN CARBURE METALLIQUE**

[72] FRIEDERICHS, HEIKO, DE
[72] PHILIPP, BRITTA, DE
[72] CHMELIK, DAVID, DE
[72] GEIGER, MICHAEL, DE
[72] KRAMER, ULRICH, DE
[72] HALLER, ALEXANDER, DE
[72] HILGERT, TOBIAS, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2023-10-17
[86] 2022-03-18 (PCT/EP2022/057239)
[87] (WO2022/233491)
[30] DE (10 2021 111 370.9) 2021-05-03
[30] DE (10 2021 120 272.8) 2021-08-04
[30] DE (10 2021 128 592.5) 2021-11-03

[21] **3,217,165**
[13] A1

[51] **Int.Cl. F16L 55/28 (2006.01) G01B 7/04 (2006.01)**

[25] EN

[54] **ODOMETER AND INSPECTION AND/OR CLEANING DEVICE**

[54] **ODOMETRE ET DISPOSITIF D'INSPECTION ET/OU DE NETTOYAGE**

[72] DANILOV, ANDREY, DE
[71] ROSEN IP AG, CH
[85] 2023-10-30
[86] 2022-05-06 (PCT/EP2022/062346)
[87] (WO2022/234119)
[30] BE (BE2021/5373) 2021-05-07

[21] **3,217,166**
[13] A1

[51] **Int.Cl. B01D 63/02 (2006.01) A61M 1/16 (2006.01) B01D 69/08 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR BUNDLING HOLLOW FIBRE MEMBRANES**

[54] **DISPOSITIF ET PROCEDE DE MISE EN FAISCEAU DE MEMBRANES A FIBRES CREUSES**

[72] GASTAUER, PAUL, DE
[72] KUGELMANN, FRANZ, DE
[72] PAUL, MICHAEL, DE
[72] RUFFING, ANDREAS, DE
[72] VEIT, TOBIAS, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2023-10-17
[86] 2022-04-21 (PCT/EP2022/060603)
[87] (WO2022/223721)
[30] DE (10 2021 110 264.2) 2021-04-22

[21] **3,217,167**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/4439 (2006.01) A61P 1/00 (2006.01)**

[25] EN

[54] **ALPELISIB FORMULATION**

[54] **FORMULATION D'ALPELISIB**

[72] CHERKUPALLY, LAXMAN, IN
[72] GOLD, SARAH, CH
[72] KOCHHAR, CHARU, CH
[72] TARIQ, MUZAMMIL, IN
[71] NOVARTIS AG, CH
[85] 2023-10-17
[86] 2022-04-28 (PCT/IB2022/053968)
[87] (WO2022/234408)
[30] IN (202111020206) 2021-05-03

[21] **3,217,168**
[13] A1

[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/5377 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 15/10 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **CRYSTALLINE FORM V OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND METHOD FOR PREPARING SAME**

[54] **FORME CRISTALLINE V D'UN COMPOSE AGONISTE DU RECEPTEUR DE LA MELANOCORTINE ET SON PROCEDE DE PREPARATION**

[72] HAM, JIN OK, KR
[72] LEE, HO YEON, KR
[72] LEE, SANG DAE, KR
[72] KIM, JI YOON, KR
[72] PARK, JONG WON, KR
[72] KIM, SUNG WON, KR
[72] CHUN, SEUL AH, KR
[71] LG CHEM, LTD., KR
[85] 2023-10-17
[86] 2022-05-06 (PCT/KR2022/006478)
[87] (WO2022/235104)
[30] KR (10-2021-0058701) 2021-05-06

[21] **3,217,169**
[13] A1

[51] **Int.Cl. C21D 1/673 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/44 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01) C22C 38/54 (2006.01) C21D 1/19 (2006.01) C21D 9/46 (2006.01)**

[25] EN

[54] **STEEL SHEET AND HIGH STRENGTH PRESS HARDENED STEEL PART AND METHOD OF MANUFACTURING THE SAME**

[54] **TOLE D'ACIER ET PIECE EN ACIER TREMPE A LA PRESSE A HAUTE RESISTANCE ET SON PROCEDE DE FABRICATION**

[72] COBO, SEBASTIAN, FR
[72] STOUVENOT, FRANCOIS, FR
[72] LUCAS, EMMANUEL, FR
[71] ARCELORMITTAL, LU
[85] 2023-10-17
[86] 2022-04-29 (PCT/IB2022/053987)
[87] (WO2022/234414)
[30] IB (PCT/IB2021/053725) 2021-05-04

PCT Applications Entering the National Phase

[21] **3,217,171**
[13] A1

[51] **Int.Cl. H01M 4/36 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) C01G 53/00 (2006.01) H01M 4/02 (2006.01) H01M 4/62 (2006.01)**

[25] EN

[54] **POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, AND METHOD OF PREPARING THE SAME**

[54] **MATERIAU ACTIF DE CATHODE POUR BATTERIE SECONDAIRE AU LITHIUM ET PROCEDE DE FABRICATION CORRESPONDANT**

[72] DO, JOONG YEOP, KR
[72] SHIN, SUN SIK, KR
[72] SHIN, HO SUK, KR
[71] LG CHEM, LTD., KR
[85] 2023-10-17
[86] 2022-10-14 (PCT/KR2022/015604)
[87] (WO2023/063778)
[30] KR (10-2021-0137697) 2021-10-15

[21] **3,217,172**
[13] A1

[51] **Int.Cl. E21D 11/22 (2006.01) E21D 11/18 (2006.01) E21D 11/24 (2006.01) E21D 11/26 (2006.01) E21D 11/28 (2006.01) E21D 11/30 (2006.01)**

[25] EN

[54] **CENTRING FOR SUPPORTING AND CONSOLIDATING AN EXCAVATION, AND METHOD FOR INSTALLING SUCH A CENTRING INSIDE AN EXCAVATION**

[54] **CINTRAGE POUR SUPPORTER ET CONSOLIDER UNE EXCAVATION, ET PROCEDE D'INSTALLATION D'UN TEL CINTRAGE A L'INTERIEUR D'UNE EXCAVATION**

[72] BONOMI, CRISTIANO, IT
[72] TAMBURINI, FRANCO, IT
[71] OFFICINE MACCAFERRI ITALIA S.R.L., IT
[85] 2023-10-17
[86] 2022-05-31 (PCT/IB2022/055074)
[87] (WO2022/254325)
[30] IT (102021000014225) 2021-05-31
[30] IT (102021000028355) 2021-11-02
[30] IT (102022000001559) 2022-01-31
[30] IT (102022000009266) 2022-05-05

[21] **3,217,173**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/071 (2010.01) C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 35/12 (2015.01) A61K 38/46 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/12 (2006.01) C12N 15/19 (2006.01)**

[25] EN

[54] **CRISPR MODIFIED ORGANS AND TISSUES**

[54] **ORGANES ET TISSUS MODIFIES**

[72] KESHAVJEE, SHAFIQUE, CA
[72] CYPEL, MARCELO, CA
[72] JUVET, STEPHEN, CA
[72] LIU, MINGYAO, CA
[72] MESAHI, KUMI, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2023-10-18
[86] 2022-04-22 (PCT/CA2022/050625)
[87] (WO2022/226632)
[30] US (63/180,365) 2021-04-27
[30] US (63/282,120) 2021-11-22
[30] US (63/305,428) 2022-02-01

[21] **3,217,174**
[13] A1

[51] **Int.Cl. A63G 31/16 (2006.01) A63G 31/02 (2006.01)**

[25] EN

[54] **MOTION SIMULATION SYSTEM AND METHOD**

[54] **PROCEDE ET SYSTEME DE SIMULATION DE MOUVEMENT**

[72] HAJICHRISTOU, LOUIS, CY
[72] GREGORIADES, MICHAEL, CY
[71] HAJICHRISTOU, LOUIS, CY
[71] GREGORIADES, MICHAEL, CY
[85] 2023-10-17
[86] 2023-02-08 (PCT/IB2023/051091)
[87] (WO2023/152640)
[30] US (63/308,421) 2022-02-09

[21] **3,217,175**
[13] A1

[51] **Int.Cl. C08J 11/06 (2006.01)**

[25] EN

[54] **PROCESS FOR RECYCLING A POLYOLEFIN**

[54] **PROCEDE DE RECYCLAGE D'UNE POLYOLEFINE**

[72] AL-HAJ ALI, MOHAMMAD, FI
[72] SLEIJSTER, HENRY, NL
[71] BOREALIS AG, AT
[85] 2023-10-18
[86] 2022-04-13 (PCT/EP2022/059963)
[87] (WO2022/219092)
[30] EP (21168665.4) 2021-04-15

[21] **3,217,176**
[13] A1

[51] **Int.Cl. A01J 7/02 (2006.01) A01J 5/013 (2006.01)**

[25] EN

[54] **MONITORING A MILKING MACHINE**

[54] **SURVEILLANCE D'UNE MACHINE DE TRAITE**

[72] PETERS, PETER, DE
[72] ZENZ, CHRISTOPH, DE
[72] WORTMANN, MARTIN, DE
[71] GEA FARM TECHNOLOGIES GMBH, DE
[85] 2023-10-18
[86] 2022-04-06 (PCT/EP2022/059101)
[87] (WO2022/228841)
[30] DE (10 2021 110 953.1) 2021-04-28

[21] **3,217,177**
[13] A1

[51] **Int.Cl. F16L 29/02 (2006.01) F16L 29/04 (2006.01) F16L 37/32 (2006.01) F16L 37/44 (2006.01)**

[25] EN

[54] **VALVE COUPLING ASSEMBLY**

[54] **ENSEMBLE DE COUPLAGE DE SOUPE**

[72] WILLIAMS, GARY, DE
[72] STOLL, VIKTOR, DE
[72] PETERSON, DAVID, DE
[72] LYSON, PRZEMYSLAW, DE
[72] HANDS, CHRIS, DE
[72] KINTEA, DANIEL, DE
[71] NORMA GERMANY GMBH, DE
[85] 2023-10-18
[86] 2022-05-18 (PCT/EP2022/063445)
[87] (WO2022/258330)
[30] DE (10 2021 114 971.1) 2021-06-10

Demandes PCT entrant en phase nationale

[21] **3,217,178**
[13] A1

[51] **Int.Cl. H04L 12/66 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM AND CONTROL METHOD FOR CONTROLLING ELECTRICAL APPARATUS**
[54] **SYSTEME DE COMMANDE ET PROCEDE DE COMMANDE POUR COMMANDER UN APPAREIL ELECTRIQUE**
[72] LI, BIN, CN
[71] ZHEJIANG LITHELI TECHNOLOGY CO., LTD., CN
[85] 2023-10-30
[86] 2022-04-29 (PCT/CN2022/090125)
[87] (WO2022/228541)
[30] CN (202110479516.9) 2021-04-30
[30] CN (202111144887.8) 2021-09-28
[30] CN (202111144848.8) 2021-09-28
[30] CN (202111235878.X) 2021-10-22
[30] CN (202111235883.0) 2021-10-22
[30] CN (202111283178.8) 2021-11-01
[30] CN (202210163465.3) 2022-02-22

[21] **3,217,179**
[13] A1

[51] **Int.Cl. F16L 29/04 (2006.01) F16L 37/36 (2006.01)**
[25] EN
[54] **VALVE FOR A FLUID LINE OF A VEHICLE**
[54] **SOUPAPE POUR CONDUITE DE FLUIDE DE VEHICULE**
[72] STOLL, VIKTOR, DE
[72] WILLIAMS, GARY, DE
[72] PETERSON, DAVID, DE
[72] KINTEA, DANIEL, DE
[71] NORMA GERMANY GMBH, DE
[85] 2023-10-18
[86] 2022-05-18 (PCT/EP2022/063446)
[87] (WO2022/258331)
[30] DE (10 2021 114 973.8) 2021-06-10

[21] **3,217,180**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **CD20 AND CD22 TARGETING ANTIGEN-BINDING MOLECULES FOR USE IN PROLIFERATIVE DISEASES**
[54] **MOLECULES DE LIAISON A L'ANTIGENE CIBLANT CD20 ET CD22 DESTINEES A ETRE UTILISEES DANS DES MALADIES PROLIFERATIVES**
[72] PANZER, MARC, DE
[72] HONER, JONAS, DE
[72] DEISTING, WIBKE, DE
[72] RAUM, TOBIAS, DE
[72] GAEDTKE, LARS, DE
[72] RAU, DORIS, DE
[72] WINKEL, LISA, DE
[71] AMGEN RESEARCH (MUNICH) GMBH, DE
[85] 2023-10-18
[86] 2022-05-06 (PCT/EP2022/062311)
[87] (WO2022/234102)
[30] US (63/201,634) 2021-05-06

[21] **3,217,181**
[13] A1

[51] **Int.Cl. F16C 17/10 (2006.01) B23Q 16/06 (2006.01) F16C 33/20 (2006.01) F16C 41/00 (2006.01)**
[25] EN
[54] **AXIAL-RADIAL SLIDING BEARING**
[54] **PALIER LISSE AXIAL-RADIAL**
[72] SELZER, RALF, DE
[72] SZEPOKAT, DAVID, DE
[71] IGUS GMBH, DE
[85] 2023-10-11
[86] 2022-04-12 (PCT/EP2022/059753)
[87] (WO2022/218980)
[30] DE (20 2021 101 947.6) 2021-04-12
[30] DE (10 2021 125 527.9) 2021-10-01

[21] **3,217,182**
[13] A1

[51] **Int.Cl. C07C 29/80 (2006.01) C07C 31/20 (2006.01)**
[25] EN
[54] **RECOVERING MONO-ETHYLENE GLYCOL**
[54] **RECUPERATION DE MONO-ETHYLENE GLYCOL**
[72] KAJANTO, ISKO, FI
[71] THE COCA-COLA COMPANY, US
[71] CHANGCHUN MEIHE SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., CN
[85] 2023-10-18
[86] 2021-04-19 (PCT/FI2021/050286)
[87] (WO2022/223867)

[21] **3,217,183**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MULTIVIEW BACKLIGHT, DISPLAY, AND METHOD HAVING MULTI-AXIS ILLUMINATION**
[54] **RETROECLAIRAGE A VUES MULTIPLES, UNITE D'AFFICHAGE ET PROCEDE PRESENTANT UN ECLAIRAGE A AXES MULTIPLES**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[71] LEIA INC., US
[85] 2023-10-18
[86] 2021-05-07 (PCT/US2021/031433)
[87] (WO2022/235277)

[21] **3,217,184**
[13] A1

[51] **Int.Cl. G06N 10/40 (2022.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR READING OUT THE STATES OF QUBITS IN A QUANTUM COMPUTING SYSTEM**
[54] **PROCEDE ET SYSTEME POUR LIRE LES ETATS DE QUBITS DANS UN SYSTEME INFORMATIQUE QUANTIQUE**
[72] LAHTEENMAKI, PASI, FI
[71] IQM FINLAND OY, FI
[85] 2023-10-18
[86] 2021-06-16 (PCT/FI2021/050457)
[87] (WO2022/263705)

PCT Applications Entering the National Phase

[21] **3,217,185**
[13] A1

[51] **Int.Cl. A61K 38/08 (2019.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS COMPRISING MHC CLASS I PEPTIDES**

[54] **METHODES ET COMPOSITIONS COMPRENANT DES PEPTIDES DE CLASSE I DU CMH**

[72] YEE, CASSIAN, US

[72] PAN, KE, US

[72] CHIU, YULUN, US

[71] BOARD OF REGENTS, THE
UNIVERSITY OF TEXAS SYSTEMS,
US

[85] 2023-10-18

[86] 2022-04-18 (PCT/US2022/025223)

[87] (WO2022/225852)

[30] US (63/176,477) 2021-04-19

[21] **3,217,186**
[13] A1

[51] **Int.Cl. C10M 133/12 (2006.01) C07C 211/58 (2006.01) C09K 15/18 (2006.01)**

[25] EN

[54] **LIQUID MONO-ALKYLATED N-PHENYL-.ALPHA.-NAPHTHYLAMINE COMPOSITIONS AND METHODS MANUFACTURING THE SAME**

[54] **COMPOSITIONS DE N-PHENYL-.ALPHA.-NAPHTHYLAMINE MONO ALKYLE LIQUIDE ET LEURS PROCEDE DE FABRICATION**

[72] CHEN, HUIYUAN, US

[72] MIGDAL, CYRIL, US

[72] DINICOLA, KEVIN, US

[72] ROWLAND, ROBERT G., US

[71] LANXESS CORPORATION, US

[85] 2023-10-18

[86] 2022-04-19 (PCT/US2022/025269)

[87] (WO2022/225870)

[30] US (63/177,673) 2021-04-21

[21] **3,217,188**
[13] A1

[51] **Int.Cl. D21H 19/12 (2006.01) D21H 19/20 (2006.01) D21H 19/82 (2006.01) D21H 23/50 (2006.01)**

[25] EN

[54] **COATED PAPERBOARD CONTAINERS AND METHODS**

[54] **RECIPIENTS EN CARTON REVETUS ET PROCEDES**

[72] PANG, JIEBIN, US

[71] WESTROCK MWV, LLC, US

[85] 2023-10-30

[86] 2022-05-10 (PCT/US2022/028514)

[87] (WO2022/240828)

[30] US (63/186,578) 2021-05-10

[21] **3,217,189**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4439 (2006.01) A61P 1/16 (2006.01) A61P 9/08 (2006.01) A61P 9/12 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 25/02 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 413/14 (2006.01)**

[25] EN

[54] **COMPOUND, ENDOTHELIN A RECEPTOR ANTAGONIST AND PHARMACEUTICAL COMPOSITION**

[54] **COMPOSE, ANTAGONISTE DU RECEPTEUR DE L'ENDOTHELIN-A ET COMPOSITION PHARMACEUTIQUE**

[72] TANAKA, KEIGO, JP

[72] NINOMIYA, TOMOHISA, JP

[72] TOMATA, YOSHIHIDE, JP

[71] ALCHEMEDICINE, INC., JP

[85] 2023-10-18

[86] 2022-06-21 (PCT/JP2022/024638)

[87] (WO2022/270487)

[30] JP (2021-103047) 2021-06-22

[21] **3,217,190**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/12 (2006.01) B23K 31/00 (2006.01) B25J 13/00 (2006.01)**

[25] EN

[54] **WELDING SYSTEM, WELDING METHOD, WELDING ROBOT, AND PROGRAM**

[54] **SYSTEME DE SOUDAGE, PROCEDE DE SOUDAGE, ROBOT DE SOUDAGE ET PROGRAMME**

[72] TAKEMURA, YOSHIYA, JP

[72] TAKADA, SHIGETO, JP

[72] FUKUNAGA, ATSUSHI, JP

[72] SAKURAI, YASU HARU, JP

[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP

[85] 2023-10-18

[86] 2022-03-25 (PCT/JP2022/014703)

[87] (WO2022/224714)

[30] JP (2021-071100) 2021-04-20

[21] **3,217,191**
[13] A1

[51] **Int.Cl. A61K 31/00 (2006.01) A61K 33/00 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C12N 9/26 (2006.01)**

[25] EN

[54] **HIGH CONCENTRATION BISPECIFIC ANTIBODY FORMULATIONS**

[54] **FORMULATIONS D'ANTICORPS BISPECIFIQUES A HAUTE CONCENTRATION**

[72] KNOBLAUCH, ROLAND, US

[72] TORNE, SATYEN, US

[71] JANSSEN BIOTECH, INC., US

[85] 2023-10-18

[86] 2022-04-21 (PCT/IB2022/053733)

[87] (WO2022/224187)

[30] US (63/177,518) 2021-04-21

[30] US (63/180,690) 2021-04-28

[30] US (63/309,230) 2022-02-11

Demandes PCT entrant en phase nationale

[21] **3,217,193**
[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **REMOTE CONTROL POWER SUPPLY, POWER SUPPLY ASSEMBLY, ELECTRICAL DEVICE AND CONTROL METHOD THEREFOR, AND ELECTRICAL SYSTEM**
[54] **ALIMENTATION ELECTRIQUE DE COMMANDE A DISTANCE, ENSEMBLE D'ALIMENTATION ELECTRIQUE, DISPOSITIF ELECTRIQUE ET SON PROCEDE DE COMMANDE, ET SYSTEME ELECTRIQUE**
[72] LI, BIN, CN
[71] ZHEJIANG LITHELI TECHNOLOGY CO., LTD., CN
[85] 2023-10-30
[86] 2022-04-27 (PCT/CN2022/089528)
[87] (WO2022/228457)
[30] CN (202110479516.9) 2021-04-30
[30] CN (202111116173.6) 2021-09-23
[30] CN (202111144887.8) 2021-09-28
[30] CN (202111144848.8) 2021-09-28
[30] CN (202111235878.X) 2021-10-22
[30] CN (202111283178.8) 2021-11-01

[21] **3,217,194**
[13] A1
[51] **Int.Cl. A01C 7/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEMS FOR USING SENSORS TO DETERMINE CHARACTERISTICS OF SEEDS OR PARTICLES**
[54] **PROCEDE ET SYSTEMES D'UTILISATION DE CAPTEURS POUR DETERMINER DES CARACTERISTIQUES DE GRAINES OU DE PARTICULES**
[72] FRANK, WILLIAM, US
[72] STRNAD, MICHAEL, US
[71] PRECISION PLANTING LLC, US
[85] 2023-10-18
[86] 2022-06-16 (PCT/IB2022/055586)
[87] (WO2023/017328)
[30] US (63/260,162) 2021-08-11

[21] **3,217,196**
[13] A1
[51] **Int.Cl. B22F 1/05 (2022.01) B22F 1/054 (2022.01) B22F 3/10 (2006.01) B22F 3/14 (2006.01) B22F 3/24 (2006.01) B22F 5/00 (2006.01) B22F 9/04 (2006.01) C22C 1/05 (2006.01) C22C 1/10 (2023.01) C22C 29/06 (2006.01) C22C 29/08 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A CEMENTED CARBIDE MATERIAL HAVING A REINFORCED BINDER PHASE**
[54] **PROCEDE DE PRODUCTION D'UN MATERIAU DE CARBURE CEMENTE AYANT UNE PHASE LIANTE RENFORCEE**
[72] FRIEDERICHS, HEIKO, DE
[72] PHILIPP, BRITTA, DE
[72] CHMELIK, DAVID, DE
[72] GEIGER, MICHAEL, DE
[72] KRAMER, ULRICH, DE
[72] HALLER, ALEXANDER, DE
[72] HILGERT, TOBIAS, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2023-10-17
[86] 2022-04-21 (PCT/EP2022/060610)
[87] (WO2022/233589)
[30] DE (10 2021 111 370.9) 2021-05-03
[30] DE (10 2021 120 273.6) 2021-08-04

[21] **3,217,197**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) G08B 21/18 (2006.01) G08B 21/22 (2006.01)**
[25] EN
[54] **HAZARDOUS MATERIAL MONITORING AND DETECTING RULE VIOLATIONS FOR GROUPED ASSETS USING WIRELESS TRACKING DEVICES**
[54] **SURVEILLANCE DE MATIERES DANGEUREUSES ET DETECTION DE VIOLATIONS DE REGLES POUR DES ACTIFS GROUPEES A L'AIDE DE DISPOSITIFS DE SUIVI SANS FIL**
[72] VOLKERINK, HENDRIK, US
[72] KHOICHE, AJAY, US
[72] GREGOIRE-WRIGHT, TAYLOR, US
[71] TRACKONOMY SYSTEMS, INC., US
[85] 2023-10-30
[86] 2022-04-29 (PCT/US2022/027158)
[87] (WO2022/232662)
[30] US (63/181,961) 2021-04-29
[30] US (63/215,379) 2021-06-25
[30] US (63/291,467) 2021-12-20

[21] **3,217,198**
[13] A1
[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/5377 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 15/10 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SULFATE CRYSTALS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD OF PRODUCING SAME**
[54] **CRISTAUX DE SULFATE DE COMPOSE AGONISTE DU RECEPTEUR DE LA MELANOCORTINE ET LEUR PROCEDE DE PRODUCTION**
[72] KIM, JI YOON, KR
[72] CHUN, SEUL AH, KR
[72] KIM, SUNG WON, KR
[71] LG CHEM, LTD., KR
[85] 2023-10-18
[86] 2022-05-06 (PCT/KR2022/006475)
[87] (WO2022/235103)
[30] KR (10-2021-0059132) 2021-05-07

PCT Applications Entering the National Phase

[21] **3,217,199**
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **ANTI-HUMAN PD-1 AGONIST ANTIBODY AND PHARMACEUTICAL COMPOSITION COMPRISING THE ANTIBODY FOR TREATING OR PREVENTING INFLAMMATORY DISEASES**

[54] **ANTICORPS AGONISTE ANTI-PD-1 HUMAIN POUR LE TRAITEMENT OU LA PREVENTION DE MALADIES INFLAMMATOIRES, ET COMPOSITION PHARMACEUTIQUE LE CONTENANT**

[72] HONJO, TASUKU, JP
[72] OHTA, AKIO, JP
[72] TAJIMA, MASAKI, JP
[72] KAMADA, HARUHIKO, JP
[72] NAGATA, SATOSHI, JP
[72] SUZUKI, KENSUKE, JP
[72] FUKUSHIMA, TAKAYOSHI, JP
[72] TOKUMARU, YOSUKE, JP
[71] FOUNDATION FOR BIOMEDICAL RESEARCH AND INNOVATION AT KOBE, JP

[71] NATIONAL INSTITUTES OF BIOMEDICAL INNOVATION, HEALTH AND NUTRITION, JP

[71] MEIJI SEIKA PHARMA CO., LTD., JP

[85] 2023-10-18
[86] 2022-05-12 (PCT/JP2022/020011)
[87] (WO2022/239820)
[30] JP (2021-081913) 2021-05-13
[30] JP (2021-086534) 2021-05-21

[21] **3,217,200**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) D03D 13/00 (2006.01)**

[25] EN

[54] **TEXTILES FOR IMPLANTATION**

[54] **TEXTILES POUR IMPLANTATION**

[72] NAWALAKHE, RUPESH GAJANAN, US
[72] PAWAR, SANDIP VASANT, US
[72] VAD, SIDDHARTH, US
[72] PETERSON, MATTHEW A., US
[72] LANDON, DAVID ROBERT, US
[72] VANEVERY, ZACHARY CHARLES, US

[71] EDWARDS LIFESCIENCES CORPORATION, US

[85] 2023-10-18
[86] 2022-04-20 (PCT/US2022/025593)
[87] (WO2022/226090)
[30] US (63/177,700) 2021-04-21

[21] **3,217,201**
[13] A1

[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/5377 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 15/10 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **CRYSTAL FORM VII OF MELANOCORTIN RECEPTOR AGONIST COMPOUND AND METHOD FOR PREPARING SAME**

[54] **FORME CRISTALLINE VII D'UN COMPOSE AGONISTE DU RECEPTEUR DE LA MELANOCORTINE ET SON PROCEDE DE PREPARATION**

[72] LEE, HO YEON, KR
[72] HAM, JIN OK, KR
[72] LEE, SANG DAE, KR
[72] KIM, JI YOON, KR
[72] PARK, JONG WON, KR
[72] KIM, SUNG WON, KR
[72] CHUN, SEUL AH, KR
[71] LG CHEM, LTD., KR

[85] 2023-10-18
[86] 2022-05-06 (PCT/KR2022/006479)
[87] (WO2022/235105)
[30] KR (10-2021-0058702) 2021-05-06

[21] **3,217,202**
[13] A1

[51] **Int.Cl. A61M 25/00 (2006.01)**

[25] EN

[54] **CANNULA ASSEMBLY**

[54] **ENSEMBLE CANULE**

[72] O'CALLAGHAN, MICHAEL, W., US
[71] ASKLEPIOS BIOPHARMACEUTICAL, INC., US

[85] 2023-10-18
[86] 2022-04-20 (PCT/US2022/025609)
[87] (WO2022/231921)
[30] US (63/180,955) 2021-04-28
[30] US (63/202,432) 2021-06-10

[21] **3,217,203**
[13] A1

[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 31/00 (2006.01)**

[25] EN

[54] **IONIC LIQUID SALTS OF ACTIVE PHARMACEUTICAL INGREDIENTS**

[54] **SELS LIQUIDES IONIQUES D'INGREDIENTS PHARMACEUTIQUES ACTIFS**

[72] ANDERSON, GARY BRUCE, US
[72] BAILEY, HOPE PATRICIA, US
[72] BOGGIA, JONATHON MICHAEL, US
[72] KINTER, KEVIN SCOTT, US
[72] MOORE, RACHEL ELIZABETH, US
[72] PATEL, JIGNA DHANU, US
[72] PATEL, SHIVANGI AKASH, US
[71] GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC, US

[85] 2023-10-18
[86] 2022-04-27 (PCT/US2022/026549)
[87] (WO2022/232282)
[30] US (63/180,784) 2021-04-28

Demandes PCT entrant en phase nationale

[21] **3,217,204**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4015 (2006.01) A61K 47/02 (2006.01) A61K 47/26 (2006.01) A61K 47/40 (2006.01) A61P 1/04 (2006.01)**

[25] EN

[54] **NEW FORMULATION FOR INJECTION COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE**

[54] **NOUVELLE FORMULATION INJECTABLE COMPRENANT DE LA 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE**

[72] JUNG, YEON JIN, KR
[72] HONG, EUN JI, KR
[72] KIM, GYOUNG WON, KR
[72] CHO, SANG EUN, KR
[72] KIM, GWAN YOUNG, KR
[71] DAEWOONG PHARMACEUTICAL CO., LTD., KR
[85] 2023-10-18
[86] 2022-05-26 (PCT/KR2022/007479)
[87] (WO2022/250469)
[30] KR (10-2021-0067636) 2021-05-26
[30] KR (10-2022-0064451) 2022-05-26

[21] **3,217,205**
[13] A1

[51] **Int.Cl. C08G 65/00 (2006.01) C07C 217/02 (2006.01) C08F 26/02 (2006.01)**

[25] EN

[54] **HYDROPHILIC POLYETHER AMINE SOLUTION AND USES THEREOF**

[54] **SOLUTION DE POLYETHER AMINE HYDROPHILE ET SES UTILISATIONS**

[72] ZHAO, HAIBO, US
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2023-10-18
[86] 2022-05-05 (PCT/US2022/027779)
[87] (WO2022/235871)
[30] US (63/184,449) 2021-05-05

[21] **3,217,206**
[13] A1

[51] **Int.Cl. A61B 17/11 (2006.01) A61B 18/00 (2006.01)**

[25] EN

[54] **ANASTOMOSIS DEVICE, SYSTEMS, AND METHODS**

[54] **PROCEDES D'ANASTOMOSE**

[72] FLEURY, SEAN P., US
[72] FAVREAU, JOHN THOMAS, US
[72] SCUTTI, JAMES J., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2023-10-18
[86] 2022-05-09 (PCT/US2022/028399)
[87] (WO2022/240779)
[30] US (63/186,338) 2021-05-10

[21] **3,217,207**
[13] A1

[51] **Int.Cl. B65B 3/00 (2006.01)**

[25] EN

[54] **METHOD OF OPTIMIZING A FILLING RECIPE FOR A DRUG CONTAINER**

[54] **PROCEDE D'OPTIMISATION D'UNE RECETTE DE REMPLISSAGE POUR UN RECIPIENT DE MEDICAMENT**

[72] GOSWAMI, DEVRISHI, US
[72] ZHANG, JUN, US
[72] PIEDMONTE, DEIRDRE, US
[72] PADMAKUMAR, VIKASHNI, US
[72] LE, DAVID, US
[72] SANTOS, MARIA RAQUEL, US
[72] QI, WEI, US
[71] AMGEN INC., US
[85] 2023-10-18
[86] 2022-05-19 (PCT/US2022/030014)
[87] (WO2022/246055)
[30] US (63/191,797) 2021-05-21

[21] **3,217,208**
[13] A1

[51] **Int.Cl. C05F 11/10 (2006.01) C05G 3/60 (2020.01) C05G 3/80 (2020.01) C05G 3/90 (2020.01) C05G 5/30 (2020.01)**

[25] EN

[54] **COATED GRANULAR SUBSTANCE, METHOD FOR COATING A GRANULAR SUBSTANCE AND USE OF A BINDER FOR COATING A GRANULAR SUBSTANCE**

[54] **SUBSTANCE GRANULAIRE REVETUE, PROCEDE DE REVETEMENT D'UNE SUBSTANCE GRANULAIRE ET UTILISATION D'UN LIANT POUR LE REVETEMENT D'UNE SUBSTANCE GRANULAIRE**

[72] PRIEBE, CHRISTIAN, DE
[72] KLESING, DR. JAN, DE
[71] ASK CHEMICALS GMBH, DE
[85] 2023-10-30
[86] 2022-06-23 (PCT/EP2022/067150)
[87] (WO2022/268943)
[30] DE (10 2021 003 265.9) 2021-06-24

[21] **3,217,209**
[13] A1

[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 10/052 (2010.01)**

[25] EN

[54] **NON-AQUEOUS ELECTROLYTE INCLUDING ADDITIVE FOR NON-AQUEOUS ELECTROLYTE AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME**

[54] **ELECTROLYTE NON AQUEUX CONTENANT UN ADDITIF POUR ELECTROLYTE NON AQUEUX ET BATTERIE SECONDAIRE AU LITHIUM LE COMPRENANT**

[72] LEE, JUNG MIN, KR
[72] LEE, KYUNG MI, KR
[72] YEOM, CHUL EUN, KR
[72] HAN, JUNG GU, KR
[72] LEE, CHUL HAENG, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2023-10-18
[86] 2022-08-05 (PCT/KR2022/011671)
[87] (WO2023/014174)
[30] KR (10-2021-0103601) 2021-08-06

PCT Applications Entering the National Phase

[21] **3,217,210**
[13] A1

[51] **Int.Cl. A61K 9/19 (2006.01) A61K 38/00 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **ACCELERATED METHOD OF MAKING LYOPHILIZED PROTEIN FORMULATIONS**

[54] **PROCEDE ACCELERE DE FABRICATION DE FORMULATIONS DE PROTEINES LYOPHILISEES**

[72] MCCORMICK, JEFF, US
[72] MCAULEY, ARNOLD, US
[71] AMGEN INC., US
[85] 2023-10-18
[86] 2022-06-01 (PCT/US2022/031694)
[87] (WO2022/256359)
[30] US (63/195,265) 2021-06-01

[21] **3,217,211**
[13] A1

[51] **Int.Cl. G01T 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD ENABLING THE BEHAVIOR OF RADIOACTIVE SUBSTANCE WITHIN A STRUCTURE TO BE DETERMINED**

[54] **SYSTEME ET PROCEDE PERMETTANT AU COMPORTEMENT D'UNE SUBSTANCE RADIOACTIVE AU SEIN D'UNE STRUCTURE D'ETRE DETERMINE**

[72] TUNCEL, MEHMET TUNC, TR
[72] PEHLIVAN, TAHSIN, TR
[72] KUCUKMIDIL, HARUN, TR
[72] CORUH, ISIL, TR
[72] CAKMAK, MUSTAFA, TR
[71] ECZACIBASI MONROL NUKLEER URUNLER SANAYI VE TICARET ANONIM SIRKETI, TR
[85] 2023-10-18
[86] 2022-03-11 (PCT/TR2022/050225)
[87] (WO2022/231545)
[30] TR (2021/007431) 2021-04-30

[21] **3,217,212**
[13] A1

[51] **Int.Cl. B01D 1/00 (2006.01) B01D 1/04 (2006.01) C08F 2/01 (2006.01) C08F 6/00 (2006.01) G05D 16/00 (2006.01)**

[25] EN

[54] **MULTIPLE-STAGE HEATING FOR A FLASHLINE HEATER**

[54] **CHAUFFAGE A ETAGES MULTIPLES POUR UN DISPOSITIF DE CHAUFFAGE DE LIGNE D'ECLAIR**

[72] LI, HETIAN, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2023-10-17
[86] 2022-04-25 (PCT/US2022/071888)
[87] (WO2022/236228)
[30] US (17/306,382) 2021-05-03

[21] **3,217,213**
[13] A1

[51] **Int.Cl. B32B 38/00 (2006.01)**

[25] EN

[54] **LAMINATED CAN END STOCK**

[54] **BANDE STRATIFIEE POUR TOLE POUR EXTREMITES DE CANETTES**

[72] PAPE, JAN-TOBIAS, US
[72] TUSSING, CHRISTIAN, US
[72] VON ZWEHL, BURKHARD, US
[72] MANGELS, MARKUS, US
[72] SCHROEDER, CORNELIA, US
[71] NOVELIS INC., US
[85] 2023-10-18
[86] 2022-04-13 (PCT/US2022/071695)
[87] (WO2022/226470)
[30] US (63/178,323) 2021-04-22

[21] **3,217,214**
[13] A1

[51] **Int.Cl. A61P 35/02 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01)**

[25] EN

[54] **METHODS OF TREATMENT WITH N-((R)-1-(3-CHLOROPYRIDIN-2-YL)-2,2,2-TRIFLUOROETHYL)-2-((S)-2,6-DIOXOPIPERIDIN-3-YL)-1-OXOISOINDOLINE-5-CARBOXAMIDE**

[54] **METHODES DE TRAITEMENT PAR N-((R)-1-(3-CHLOROPYRIDIN-2-YL)-2,2,2-TRIFLUOROETHYL)-2-((S)-2,6-DIOXOPIPERIDIN-3-YL)-1-OXOISOINDOLINE-5-CARBOXAMIDE**

[72] POURDEHNAD, MICHAEL, US
[71] CELGENE CORPORATION, US
[85] 2023-10-30
[86] 2022-05-05 (PCT/US2022/027822)
[87] (WO2022/235900)
[30] US (63/185,285) 2021-05-06

[21] **3,217,216**
[13] A1

[51] **Int.Cl. A61K 35/76 (2015.01) 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 39/00 (2006.01) A61P 1/00 (2006.01) A61P 31/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BACTERIOPHAGE THERAPY AGAINST ADHERENT-INVASIVE ESCHERICHIA COLI**

[54] **THERAPIE BACTERIOPHAGE CONTRE ESCHERICHIA COLI NON INVASIF**

[72] WANNERBERGER, KRISTIN, NL
[72] SULAKVELIDZE, ALEXANDER, US
[71] FERRING B.V., NL
[85] 2023-10-17
[86] 2022-04-21 (PCT/IB2022/053744)
[87] (WO2022/224193)
[30] US (63/178,119) 2021-04-22
[30] US (63/203,560) 2021-07-27

Demandes PCT entrant en phase nationale

[21] **3,217,217**
[13] A1

[51] **Int.Cl. H02J 15/00 (2006.01) F03D 9/11 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSPORTING ENERGY BY SHIP**
[54] **SYSTEME ET PROCEDE DE TRANSPORT D'ENERGIE PAR NAVIRE**
[72] ITO, MASAHIRO, JP
[71] POWERX, INC., JP
[85] 2023-10-19
[86] 2022-05-09 (PCT/JP2022/019669)
[87] (WO2022/239733)
[30] JP (2021-080079) 2021-05-10

[21] **3,217,218**
[13] A1

[51] **Int.Cl. B29C 64/118 (2017.01) B33Y 10/00 (2015.01) B33Y 40/00 (2020.01) B33Y 50/00 (2015.01) B29C 64/336 (2017.01) B29C 64/386 (2017.01)**
[25] EN
[54] **A PRINTER FOR PRINTING A 3D OBJECT BASED ON A COMPUTER MODEL**
[54] **IMPRIMANTE POUR IMPRIMER UN OBJET 3D SUR LA BASE D'UN MODELE INFORMATIQUE**
[72] GAY, JEREMIE PIERRE, DK
[72] VAJDA, ZOLTAN TAMAS, DK
[72] BREM, FOLMER GRINGER, DK
[71] CREATE IT REAL A/S, DK
[85] 2023-10-19
[86] 2022-04-22 (PCT/EP2022/060752)
[87] (WO2022/223809)
[30] EP (21170173.5) 2021-04-23

[21] **3,217,219**
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01) A61M 11/00 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01)**
[25] EN
[54] **INHALER SYSTEM**
[54] **SYSTEME D'INHALATEUR**
[72] MILTON-EDWARDS, MARK, GB
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2023-10-19
[86] 2022-04-29 (PCT/EP2022/061579)
[87] (WO2022/229437)
[30] GB (2106254.2) 2021-04-30

[21] **3,217,220**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **MOLECULES WITH ENGINEERED ANTIBODY CONSTANT REGION VARIANTS**
[54] **MOLECULES COMPORTANT DES VARIANTS DE REGION CONSTANTE D'ANTICORPS MODIFIES**
[72] SINGH, SANJAYA, US
[72] CHI, ELLEN, US
[72] CASE, MARTIN, US
[72] ZHOU, HONG MIMI, US
[72] HYUN, LINUS, US
[72] FURMAN, JENNIFER, US
[72] LACOMBE, ANN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2023-10-19
[86] 2022-04-18 (PCT/US2022/025186)
[87] (WO2022/225838)
[30] US (63/176,736) 2021-04-19
[30] US (63/176,725) 2021-04-19
[30] US (63/176,731) 2021-04-19
[30] US (63/176,720) 2021-04-19
[30] US (63/176,718) 2021-04-19

[21] **3,217,221**
[13] A1

[51] **Int.Cl. A23J 1/14 (2006.01)**
[25] EN
[54] **A SOYBEAN PROTEIN CONCENTRATE AND PROCESS FOR ITS PRODUCTION**
[54] **CONCENTRE DE PROTEINES DE SOJA ET SON PROCEDE DE PRODUCTION**
[72] GALET, OLIVIER, FR
[72] NDIAYE, MBALO, FR
[72] BIANEIS, MARINE, FR
[71] AVRIL, FR
[85] 2023-10-30
[86] 2022-06-01 (PCT/EP2022/064937)
[87] (WO2022/253908)
[30] EP (21305733.4) 2021-06-01

[21] **3,217,222**
[13] A1

[51] **Int.Cl. G01F 13/00 (2006.01) B01F 35/88 (2022.01) B29B 7/88 (2006.01) G01G 11/08 (2006.01) G01G 13/16 (2006.01) G01G 13/24 (2006.01) G01G 19/32 (2006.01) G05D 7/06 (2006.01)**
[25] EN
[54] **GRAVIMETRIC METERING DEVICE AND CONTROL METHOD THEREOF**
[54] **DISPOSITIF DE DOSAGE GRAVIMETRIQUE ET SON PROCEDE DE COMMANDE**
[72] PIVA, RINALDO, IT
[71] PEGASO INDUSTRIES S.P.A., IT
[85] 2023-10-19
[86] 2022-04-19 (PCT/IB2022/053645)
[87] (WO2022/224135)
[30] IT (102021000009815) 2021-04-19

[21] **3,217,223**
[13] A1

[51] **Int.Cl. G01G 11/08 (2006.01) B01F 35/88 (2022.01) B29B 7/88 (2006.01) G01F 13/00 (2006.01) G01G 13/16 (2006.01) G01G 13/24 (2006.01) G01G 19/32 (2006.01)**
[25] EN
[54] **GRAVIMETRIC METERING DEVICE AND CONTROL METHOD THEREOF**
[54] **DISPOSITIF DE DOSAGE GRAVIMETRIQUE ET SON PROCEDE DE COMMANDE**
[72] PIVA, RINALDO, IT
[71] PEGASO INDUSTRIES S.P.A., IT
[85] 2023-10-19
[86] 2022-04-19 (PCT/IB2022/053646)
[87] (WO2022/224136)
[30] IT (102021000009806) 2021-04-19

PCT Applications Entering the National Phase

[21] **3,217,224**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01)**

[25] EN

[54] **MATERIALS AND METHODS FOR IMPROVED PHOSPHOTRANSFERASES**

[54] **SUBSTANCES ET METHODES ASSOCIEES A DES PHOSPHOTRANSFERASES AMELIOREES**

[72] PERRY, WILLIAM LLOYD, III, US

[71] JANSSEN BIOTECH, INC., US

[85] 2023-10-19

[86] 2022-04-20 (PCT/US2022/025452)

[87] (WO2022/226005)

[30] US (63/177,749) 2021-04-21

[30] US (63/177,759) 2021-04-21

[30] US (63/177,739) 2021-04-21

[30] US (63/177,744) 2021-04-21

[30] US (63/177,764) 2021-04-21

[30] US (63/177,767) 2021-04-21

[30] US (63/177,746) 2021-04-21

[30] US (63/177,753) 2021-04-21

[21] **3,217,225**
[13] A1

[51] **Int.Cl. A61K 31/498 (2006.01) A61K 31/536 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **METHOD OF INCREASING CHAPERONE MEDIATED AUTOPHAGY BY STABILIZING THE INTERACTION OF RETINOIC ACID RECEPTOR-ALPHA AND AN INHIBITOR**

[54] **PROCEDE D'AUGMENTATION DE L'AUTOPHAGIE A MEDIATION PAR UN CHAPERON PAR STABILISATION DE L'INTERACTION ENTRE LE RECEPTEUR ALPHA A L'ACIDE RETINOIQUE ET UN INHIBITEUR**

[72] CUERVO, ANA MARIA, US

[72] GAVATHIOTIS, EVRIPIDIS, US

[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US

[85] 2023-10-19

[86] 2022-04-21 (PCT/US2022/025753)

[87] (WO2022/226187)

[30] US (63/177,674) 2021-04-21

[21] **3,217,226**
[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01)**

[25] EN

[54] **STABLE PRODUCTION SYSTEMS FOR ADENO-ASSOCIATED VIRUS PRODUCTION**

[54] **SYSTEMES DE PRODUCTION STABLES POUR LA PRODUCTION DE VIRUS ADENO-ASSOCIES**

[72] LEONARD, MICHAEL T., US

[72] GAM, JEREMY J., US

[72] STACH, CHRISTOPHER S., US

[72] NIELSEN, ALEC A.K., US

[71] ASIMOV INC., US

[85] 2023-10-19

[86] 2022-04-21 (PCT/US2022/025755)

[87] (WO2022/226189)

[30] US (63/177,760) 2021-04-21

[21] **3,217,227**
[13] A1

[51] **Int.Cl. F16L 37/091 (2006.01) F16L 19/06 (2006.01)**

[25] EN

[54] **SWAGE CONNECTOR DEVICE, ASSEMBLY AND METHOD**

[54] **DISPOSITIF DE RACCORD SERTI, ENSEMBLE ET PROCEDE**

[72] DIAS, LIBARDO OCHOA, US

[72] BOUCHARD, HERBERT J., US

[71] QUICK FITTING HOLDING COMPANY, LLC, US

[85] 2023-10-30

[86] 2022-05-02 (PCT/US2022/027281)

[87] (WO2022/245529)

[30] US (17/321,798) 2021-05-17

[21] **3,217,228**
[13] A1

[51] **Int.Cl. C07H 21/02 (2006.01) A61K 31/7048 (2006.01)**

[25] EN

[54] **7-SUBSTITUTED 7-DEAZAADENINE-CONTAINING 2',3'-CYCLIC DINUCLEOTIDES**

[54] **DINUCLEOTIDES 2',3'-CYCLIQUES CONTENANT DE LA 7-DEAZAADENINE SUBSTITUES EN POSITION 7**

[72] HOCEK, MICHAL, CZ

[72] BIRKUS, GABRIEL, US

[72] PERLIKOVA, PAVLA, CZ

[72] VAVRINA, ZDENEK, CZ

[72] NOVOTNA, BARBORA, CZ

[71] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR V.V.I., CZ

[85] 2023-10-30

[86] 2022-08-15 (PCT/CZ2022/050074)

[87] (WO2023/020640)

[30] EP (21191715.8) 2021-08-17

[21] **3,217,229**
[13] A1

[51] **Int.Cl. A61P 1/16 (2006.01) A61P 9/00 (2006.01) A61P 25/16 (2006.01) C07D 413/10 (2006.01)**

[25] EN

[54] **METHODS OF STABILIZING THE NEURONAL PROTEOME AGAINST COLLAPSE AND PROTECTING VASCULAR CELLS**

[54] **METHODES DE STABILISATION DU PROTEOME NEURONAL CONTRE LE DECLIN ET DE CELLULES VASCULAIRES ET POUR LEUR PROTECTION**

[72] CUERVO, ANA MARIA, US

[72] GAVATHIOTIS, EVRIPIDIS, US

[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US

[85] 2023-10-19

[86] 2022-04-21 (PCT/US2022/025757)

[87] (WO2022/226191)

[30] US (63/177,504) 2021-04-21

[30] US (63/323,942) 2022-03-25

Demandes PCT entrant en phase nationale

[21] 3,217,230 [13] A1	[21] 3,217,233 [13] A1	[21] 3,217,236 [13] A1
[51] Int.Cl. A61P 25/16 (2006.01) C07D 403/14 (2006.01)	[51] Int.Cl. D04H 3/045 (2012.01) D04H 3/115 (2012.01) B29C 64/118 (2017.01) B29C 64/209 (2017.01) D04H 3/05 (2006.01)	[51] Int.Cl. A61P 3/04 (2006.01) A61P 3/08 (2006.01) A61P 3/10 (2006.01)
[25] EN	[25] EN	[25] EN
[54] METHODS FOR TREATING AND MONITORING PARKINSON'S DISEASE	[54] METHOD OF MANUFACTURING HYBRID ADDITIVE FABRIC, THE FABRIC, AND TOOLS FOR MANUFACTURING FABRIC	[54] OXM3 STORAGE AGENT, OXM3 PREPARATION, AND PREPARATION METHOD
[54] METHODES DE TRAITEMENT ET DE SURVEILLANCE DE LA MALADIE DE PARKINSON	[54] PROCEDE DE FABRICATION D'UN TISSU ADDITIF HYBRIDE, LE TISSU, ET OUTILS POUR LA FABRICATION DE TISSU	[54] AGENT DE STOCKAGE D'OXM3, PREPARATION D'OXM3 ET PROCEDE DE PREPARATION
[72] JENNINGS, DANNA L., US	[72] REYNOLDS, SONIA MICHELLE, GB	[72] ZHAO, CHENGCHENG, CN
[72] DARYANI, VINAY M., US	[71] ZEPHLINEAR LTD, GB	[72] WANG, YINJUE, CN
[72] HUNTWORK-RODRIGUEZ, SARAH, US	[71] ZEPHLINEAR LTD, GB	[72] WANG, JINGDA, CN
[71] DENALI THERAPEUTICS INC., US	[72] REYNOLDS, SONIA MICHELLE, GB	[71] INNOVENT BIOLOGICS (SUZHOU) CO. LTD., CN
[85] 2023-10-30	[71] ZEPHLINEAR LTD, GB	[85] 2023-10-30
[86] 2022-04-29 (PCT/US2022/026898)	[85] 2023-10-30	[86] 2022-04-28 (PCT/CN2022/089742)
[87] (WO2022/232487)	[86] 2022-04-29 (PCT/GB2022/051098)	[87] (WO2022/228498)
[30] US (63/182,207) 2021-04-30	[87] (WO2022/234256)	[30] CN (202110485578.0) 2021-04-30
	[30] GB (2106303.7) 2021-05-02	[30] CN (202210420561.1) 2022-04-20
[21] 3,217,231 [13] A1	[21] 3,217,235 [13] A1	[21] 3,217,241 [13] A1
[51] Int.Cl. F23M 5/04 (2006.01)	[51] Int.Cl. B62D 55/15 (2006.01) B62D 55/092 (2006.01)	[25] EN
[25] EN	[25] EN	[54] AERIAL MYCELIA AND METHODS OF MAKING THE SAME
[54] HOLDING DEVICE FOR HOLDING A CERAMIC ANCHOR BRICK TO A FURNACE WALL, A FURNACE COMPRISING SUCH A HOLDING DEVICE, AND A METHOD FOR FASTENING SUCH A HOLDING DEVICE TO A FURNACE WALL	[54] UNDERCARRIAGE TRACK ROLLER HAVING ASYMMETRIC SHELL WITH OIL GROOVES AND ROLLER SHAFT FOR SAME	[54] MYCELIUMS AERIENS ET LEURS PROCEDES DE FABRICATION
[54] DISPOSITIF DE RETENUE POUR MAINTENIR UNE PIERRE D'ANCRAGE CERAMIQUE SUR UNE PAROI DE FOUR, FOUR COMPRENANT UN TEL DISPOSITIF DE RETENUE ET PROCEDE POUR FIXER UN TEL DISPOSITIF DE RETENUE SUR UNE PAROI DE FOU	[54] ROULEAU DE CHENILLE DE TRAIN ROULANT AYANT UNE COQUE ASYMETRIQUE AVEC DES RAINURES D'HUILE ET ARBRE DE ROULEAU POUR CELUI-CI	[72] WINISKI, JACOB MICHAEL, US
[72] HANDLE, BERNHARD, AT	[72] SUANNO, GENNARO, IT	[72] CARLTON, ALEX JAMES, US
[72] ZIVANOVIC, BOJAN, AT	[71] CATERPILLAR INC., US	[72] HAZEN, RUSSELL ALLAN, US
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT	[85] 2023-10-30	[72] FRIEDMAN, ALEX STEPHEN, US
[85] 2023-10-30	[86] 2022-04-28 (PCT/US2022/026694)	[72] MCINTYRE, GAVIN REIM, US
[86] 2022-05-23 (PCT/EP2022/063923)	[87] (WO2022/235474)	[72] MUELLER, PETER JAMES, US
[87] (WO2022/248412)	[30] US (17/308,445) 2021-05-05	[72] BAYER, EBEN D., US
[30] EP (21176157.2) 2021-05-27		[72] LOMNES, STEPHEN, US
		[72] SNYDER, ASA TRENCH, US
		[72] O'BRIEN, MEGHAN ANNE, US
		[72] KAPLAN-BIE, JESSICA HANNAH, US
		[71] ECOVATIVE DESIGN LLC, US
		[85] 2023-10-30
		[86] 2022-05-03 (PCT/US2022/027499)
		[87] (WO2022/235688)
		[30] US (63/184,033) 2021-05-04
		[30] US (63/184,039) 2021-05-04
		[30] US (63/184,052) 2021-05-04

PCT Applications Entering the National Phase

[21] **3,217,242**
[13] A1

[51] **Int.Cl. C04B 28/14 (2006.01) C04B 24/12 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE SAG RESISTANT LIGHTWEIGHT GYPSUM BOARD**

[54] **PANNEAU DE GYPSE LEGER RESISTANT A L'AFFAISSEMENT A HAUTE TEMPERATURE**

[72] HEMPHILL, MARK, US

[72] LI, QINGHUA, US

[71] KNAUF GIPS KG, DE

[85] 2023-10-30

[86] 2022-05-03 (PCT/EP2022/025202)

[87] (WO2022/233455)

[30] US (63/185,622) 2021-05-07

[30] US (17/658,122) 2022-04-06

[21] **3,217,243**
[13] A1

[25] EN

[54] **LIGHT DELIVERY DEVICE AND METHOD FOR ULTRASOUND GUIDED INTERSTITIAL PHOTODYNAMIC THERAPY**

[54] **DISPOSITIF DE DISTRIBUTION DE LUMIERE ET PROCEDE DE THERAPIE PHOTODYNAMIQUE INTERSTITIELLE GUIDEE PAR ULTRASONS**

[72] KURENOV, SERGEI, US

[72] SHAFIRSTEIN, GAL, US

[72] IVANICK, NATHANIEL, US

[72] BELLNIER, DAVID, US

[72] TWOREK, LAWRENCE, US

[71] HEALTH RESEARCH, INC., US

[85] 2023-10-30

[86] 2022-05-02 (PCT/US2022/027354)

[87] (WO2022/232706)

[30] US (63/182,744) 2021-04-30

[21] **3,217,244**
[13] A1

[51] **Int.Cl. C08G 77/18 (2006.01) C08K 3/36 (2006.01) D06M 15/643 (2006.01)**

[25] EN

[54] **HYDROPHOBIC AND OLEOPHOBIC COATINGS, METHODS OF MAKING SAME AND USES OF SAME**

[54] **REVETEMENTS HYDROPHOBES ET OLEOPHOBES, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS**

[72] GENGGENG, QI, US

[72] GIANNELIS, EMMANUEL, US

[71] CORNELL UNIVERSITY, US

[85] 2023-10-30

[86] 2022-05-02 (PCT/US2022/027305)

[87] (WO2022/232690)

[30] US (63/182,172) 2021-04-30

[21] **3,217,245**
[13] A1

[25] EN

[54] **HOLDING DEVICE FOR HOLDING A CERAMIC ANCHOR BRICK ON A FURNACE WALL, A FURNACE COMPRISING SUCH A HOLDING DEVICE, A METHOD FOR FASTENING SUCH A HOLDING DEVICE TO A FURNACE WALL, AND CERAMIC ANCHOR BRICK FOR SUCH A HOLDING DEVIC**

[54] **DISPOSITIF DE MAINTIEN POUR MAINTENIR UNE PIERRE D'ANCRAGE EN CERAMIQUE SUR UNE PAROI DE FOUR, FOUR COMPRENANT UN TEL DISPOSITIF DE MAINTIEN, PROCEDE DE FIXATION D'UN TEL DISPOSITIF DE MAINTIEN A UNE PAROI DE FOUR, ET PIERRE D'ANCRAGE EN CERAMIQUE POUR UN TEL DISPOSITIF DE MAINTIE**

[72] ZIVANOVIC, BOJAN, AT

[72] HANDLE, BERNHARD, AT

[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT

[85] 2023-10-30

[86] 2022-05-23 (PCT/EP2022/063922)

[87] (WO2022/248411)

[30] EP (21176135.8) 2021-05-27

[21] **3,217,247**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/86 (2006.01)**

[25] EN

[54] **LENTIVIRAL VECTORS USEFUL FOR THE TREATMENT OF DISEASE**

[54] **VECTEURS LENTIVIRAUX UTILES POUR LE TRAITEMENT D'UNE MALADIE**

[72] CHEN, CHAO-GUANG, AU

[72] MONTELLESE, CHRISTIAN, CH

[72] AESCHIMANN, FLORIAN, CH

[72] RAWLINGS, DAVID J., US

[72] KHAN, IRAM FATIMA, US

[72] CHEN, ESTHER YU-TIN, US

[72] MALECH, HARRY, US

[72] DERAVIN, SUK SEE, US

[71] CSL BEHRING L.L.C., US

[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2023-10-19

[86] 2022-04-26 (PCT/US2022/026409)

[87] (WO2022/232191)

[30] US (63/179,993) 2021-04-26

[30] US (63/180,001) 2021-04-26

[21] **3,217,248**
[13] A1

[51] **Int.Cl. A01K 47/06 (2006.01)**

[25] EN

[54] **BEEHIVE AND METHOD FOR PRODUCING A BEEHIVE**

[54] **RUCHE ET PROCEDE DE FABRICATION D'UNE RUCHE**

[72] POTTHAST, PHILIP, DE

[71] HIIVE UG (HAFTUNGSBESCHRANKT), DE

[85] 2023-10-30

[86] 2022-05-05 (PCT/EP2022/062111)

[87] (WO2022/233999)

[30] EP (21172717.7) 2021-05-07

Demandes PCT entrant en phase nationale

[21] **3,217,249**
[13] A1

[51] **Int.Cl. H03M 13/29 (2006.01) H03M 13/39 (2006.01)**
[25] FR
[54] **DECODING OF SERIES-
CONCATENATED TURBO CODES**
[54] **DECODAGE DE TURBO CODES
CONCATENES EN SERIE**
[72] BOURENANE, AOMAR, FR
[72] GUILLOUD, FREDERIC, FR
[72] ARZEL, MATTHIEU, FR
[71] SAFRAN DATA SYSTEMS, FR
[85] 2023-10-30
[86] 2021-05-07 (PCT/FR2021/050788)
[87] (WO2022/234196)

[21] **3,217,251**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04B 7/04 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR
RESOURCE CONFIGURATION
ENHANCEMENT**
[54] **SYSTEMES ET PROCEDES
D'AMELIORATION DE
CONFIGURATION DE
RESSOURCES**
[72] SHAO, SHIJIA, CN
[72] GAO, BO, CN
[72] ZHANG, SHUJUAN, CN
[72] HE, ZHEN, CN
[72] LU, ZHAOHUA, CN
[71] ZTE CORPORATION, CN
[85] 2023-10-17
[86] 2021-05-11 (PCT/CN2021/092939)
[87] (WO2022/236648)

[21] **3,217,252**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/725 (2006.01) C12N 5/10 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **CHIMERIC CYTOKINE
RECEPTORS AND USES
THEREOF IN CELLULAR
THERAPIES**
[54] **RECEPTEURS DE CYTOKINE
CHIMERIQUES ET LEURS
UTILISATIONS DANS DES
THERAPIES CELLULAIRES**
[72] JIANG, QINGLING, CN
[72] ZHANG, YAFENG, CN
[72] ZHU, YANLIANG, CN
[72] SHI, MIAOMIAO, CN
[72] WU, SHU, CN
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2023-10-17
[86] 2022-04-19 (PCT/CN2022/087572)
[87] (WO2022/222905)
[30] CN (PCT/CN2021/088111) 2021-04-19

[21] **3,217,253**
[13] A1

[25] EN
[54] **STARTING HEAD FOR A
CONTINUOUS CASTING MOLD
AND ASSOCIATED CONTINUOUS
CASTING MOLD**
[54] **TETE DE DEMARRAGE POUR
MOULE DE COULEE CONTINUE
ET MOULE DE COULEE
CONTINUE ASSOCIE**
[72] GREALLY, GARY PATRICK, US
[71] WAGSTAFF, INC., US
[85] 2023-10-30
[86] 2022-05-11 (PCT/US2022/028719)
[87] (WO2022/240953)
[30] US (63/201,728) 2021-05-11
[30] US (17/653,205) 2022-03-02

[21] **3,217,254**
[13] A1

[51] **Int.Cl. B29C 65/18 (2006.01) B31B 70/02 (2017.01) B31B 70/64 (2017.01) B29C 65/78 (2006.01)**
[25] EN
[54] **WELDING MACHINE**
[54] **MACHINE A SOUDER**
[72] JENSEN, SOREN, DK
[72] JENSEN, JOHN BUK, DK
[71] ROLL-O-MATIC A/S, DK
[85] 2023-10-17
[86] 2022-04-07 (PCT/EP2022/059297)
[87] (WO2022/223310)
[30] DK (PA 2021 70179) 2021-04-19

[21] **3,217,255**
[13] A1

[51] **Int.Cl. A22C 25/16 (2006.01)**
[25] EN
[54] **A MACHINE FOR FILLETING
FISH**
[54] **MACHINE POUR FILETER LE
POISSON**
[72] LARSEN, PALLE KAERGAARD, DK
[71] MAREL SALMON A/S, DK
[85] 2023-10-17
[86] 2022-04-27 (PCT/EP2022/061171)
[87] (WO2022/229248)
[30] EP (21170951.4) 2021-04-28

[21] **3,217,256**
[13] A1

[51] **Int.Cl. B60C 27/00 (2006.01) B60C 27/02 (2006.01) B60C 27/04 (2006.01)**
[25] EN
[54] **ANTI-SKID DEVICE**
[54] **DISPOSITIF ANTI-PATINAGE**
[72] FURU, HARALD, NO
[72] ABRY, CHRISTIAN, NO
[72] ABRY, EMIL, NO
[72] KAVANAGH, CHRISTOPHER JOHN, NO
[71] AFFIN AS, NO
[85] 2023-10-17
[86] 2022-04-13 (PCT/NO2022/050088)
[87] (WO2022/225401)
[30] NO (20210487) 2021-04-19

PCT Applications Entering the National Phase

[21] **3,217,257**
[13] A1

[51] **Int.Cl. F42B 10/06 (2006.01) F42B 10/08 (2006.01)**
[25] EN
[54] **PROJECTILE AND FIREARM SYSTEM**
[54] **PROJECTILE ET SYSTEME D'ARME A FEU**
[72] MAURER, MD PAUL K., US
[72] MAURER, BRETT E., US
[72] MAURER, TODD F., US
[72] DELLA TORRE, PAUL, US
[72] TUCHRELO, ROBERT, US
[72] SMITH, NATHAN E., US
[72] AAB, RICHARD T., US
[71] CROSSBULLET, LLC, US
[85] 2023-10-30
[86] 2022-05-12 (PCT/US2022/029011)
[87] (WO2022/241127)
[30] US (63/187,667) 2021-05-12

[21] **3,217,258**
[13] A1

[51] **Int.Cl. G06F 16/78 (2019.01) G06F 16/783 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO INCREASE VIEWERSHIP OF ONLINE CONTENT**
[54] **SYSTEMES ET PROCEDES POUR AUGMENTER L'AUDIENCE D'UN CONTENU EN LIGNE**
[72] CHANDRASHEKAR, PADMASSRI, IN
[72] EMMANUEL, DAINA, IN
[72] HARB, REDA, US
[71] ROVI GUIDES, INC., US
[85] 2023-10-17
[86] 2021-12-21 (PCT/US2021/064570)
[87] (WO2022/225570)
[30] US (17/236,599) 2021-04-21

[21] **3,217,259**
[13] A1

[51] **Int.Cl. G06G 10/06 (2023.01) G06N 5/04 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS RELATING TO PREDICTIVE ROUTING AND OCCUPANCY BALANCING**
[54] **SYSTEMES ET PROCEDES SE RAPPORTANT A UN ROUTAGE PREDICTIF ET A UN EQUILIBRAGE D'OCCUPATION**
[72] MUNOZ, EMIR, IE
[72] DABROWSKI, MACIEJ, IE
[72] MCTIGUE, RORY, IE
[72] FARRELL, DAVID, IE
[71] GENESYS CLOUD SERVICES HOLDINGS II, LLC, US
[85] 2023-10-30
[86] 2022-05-09 (PCT/US2022/028369)
[87] (WO2022/236180)
[30] US (63/185,716) 2021-05-07

[21] **3,217,261**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MALIGNANT MESOTHELIOMA SUSCEPTIBILITY AS A RESULT OF GERMLINE LEUCINE-RICH REPEAT KINASE 2 (LRRK2) ALTERATIONS**
[54] **SUSCEPTIBILITE A UN MESOTHELIOME MALIN SUITE A DES ALTERATIONS DE LA KINASE 2 A REPETITIONS RICHES EN LEUCINE (LRRK2) DE LIGNEE GERMINALE**
[72] TESTA, JOSEPH R., US
[72] CHEUNG, MITCHELL, US
[71] INSTITUTE FOR CANCER RESEARCH D/B/A THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER, US
[85] 2023-10-17
[86] 2022-04-20 (PCT/US2022/025469)
[87] (WO2022/226018)
[30] US (63/177,189) 2021-04-20

[21] **3,217,262**
[13] A1

[51] **Int.Cl. B01D 53/75 (2006.01)**
[25] EN
[54] **METHANE AND CARBON DIOXIDE REDUCTION WITH INTEGRATED DIRECT AIR CAPTURE SYSTEMS**
[54] **REDUCTION DU METHANE ET DU DIOXYDE DE CARBONE AVEC DES SYSTEMES DE CAPTURE D'AIR DIRECT INTEGRES**
[72] VAN DAM, JEREMY, US
[72] KRUMM, ROBERT, US
[72] ALLIN, MELISSA, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2023-10-30
[86] 2022-05-06 (PCT/US2022/072175)
[87] (WO2022/236324)
[30] US (63/186,025) 2021-05-07

[21] **3,217,263**
[13] A1

[51] **Int.Cl. C07K 14/725 (2006.01) A61K 35/17 (2015.01) C07K 14/47 (2006.01)**
[25] EN
[54] **T CELL RECEPTORS RECOGNIZING C135Y, R175H, OR M237I MUTATION IN P53**
[54] **RECEPTEURS DE LYMPHOCYTES T RECONNAISSANT LES MUTATIONS C135Y, R175H, OU M237I DANS P53**
[72] KIM, SANGHYUN, US
[72] ZACHARAKIS, NIKOLAOS, US
[72] ROSENBERG, STEVEN A., US
[72] LOWERY, III FRANK J., US
[72] PARKHURST, MARIA R., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPART..., US
[85] 2023-10-30
[86] 2022-05-06 (PCT/US2022/028066)
[87] (WO2022/236050)
[30] US (63/185,805) 2021-05-07

Demandes PCT entrant en phase nationale

[21] **3,217,265**
[13] A1

[25] EN
[54] **METHOD AND DEVICE FOR DETECTING AND CLASSIFYING A FAULT POINT OF A HOUSING**
[54] **PROCEDE ET DISPOSITIF DE DETECTION ET DE CLASSIFICATION D'UN POINT DE DEFAUT D'UN BOITIER**
[72] ZACH, GERALD, AT
[72] RAINER, MAX, AT
[72] KIRSCHNER, MARKUS, AT
[71] MUSE ELECTRONICS GMBH, AT
[85] 2023-10-30
[86] 2022-05-03 (PCT/EP2022/061815)
[87] (WO2022/233848)
[30] EP (21172678.1) 2021-05-07

[21] **3,217,266**
[13] A1

[51] **Int.Cl. B62K 25/28 (2006.01) B62M 7/12 (2006.01)**
[25] EN
[54] **MOTORCYCLE WITH EASILY REMOVABLE WHEEL PROVIDED WITH HUB MOTOR**
[54] **MOTOCYCLE AVEC ROUE FACILEMENT DEMONTABLE MUNIE D'UN MOTEUR DE MOYEU**
[72] GUIDI, EMILIANO, IT
[71] PIAGGIO & C.S.P.A., IT
[85] 2023-10-30
[86] 2022-05-16 (PCT/IB2022/054530)
[87] (WO2022/248969)
[30] IT (102021000013577) 2021-05-25

[21] **3,217,270**
[13] A1

[51] **Int.Cl. B29C 64/182 (2017.01) B29C 64/129 (2017.01) A61F 2/06 (2013.01) A61L 27/52 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING OF HYDROGEL TUBES FOR BIOMEDICAL APPLICATIONS**
[54] **FABRICATION ADDITIVE DE TUBES D'HYDROGEL POUR APPLICATIONS BIOMEDICALES**
[72] MELICAN, MORA CAROLYNNE, US
[72] MURCIN, LARA, US
[72] LIN, RICHMON, US
[72] MORRIS, DEREK, US
[72] NSIAH, BARBARA, US
[72] ALVAREZ, LUIS, US
[72] SAFAVIEH, MOHAMMADALI, US
[71] LUNG BIOTECHNOLOGY PBC, US
[85] 2023-10-30
[86] 2022-05-06 (PCT/US2022/028145)
[87] (WO2022/236103)
[30] US (63/185,299) 2021-05-06

[21] **3,217,271**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **SYNTHESIS OF BTK INHIBITOR AND INTERMEDIATES THEREOF**
[54] **SYNTHESE D'INHIBITEUR DE BTK ET SES INTERMEDIAIRES**
[72] CHEN, YONGGANG, US
[72] CORRY, JAMES, US
[72] DESMOND, RICHARD, US
[72] DI MASO, MICHAEL J., US
[72] FORSTATER, JACOB H., US
[72] KUETHE, JEFFREY T., US
[72] KUHL, NADINE, US
[72] LARSON, REED, US
[72] LEVESQUE, FRANCOIS, US
[72] NARSIMHAN, KARTHIK, US
[72] OTTE, DOUGLAS, US
[72] PRIER, CHRISTOPHER K., US
[72] SHEVLIN, MICHAEL, US
[72] SIROTA, ERIC, US
[72] TAN, LUSHI, US
[72] THAISRIVONGS, DAVID A., US
[72] TURNBULL, BEN W. H., US
[72] WANG, ZHIXUN, US
[72] XIAO, KAIJIONG, US
[71] MERCK SHARP & DOHME LLC, US
[85] 2023-10-30
[86] 2022-05-26 (PCT/US2022/030997)
[87] (WO2022/251404)
[30] US (63/194,307) 2021-05-28
[30] US (63/223,693) 2021-07-20
[30] US (63/336,367) 2022-04-29

[21] **3,217,273**
[13] A1

[51] **Int.Cl. C08L 5/10 (2006.01)**
[25] EN
[54] **METHODS OF MANUFACTURING A HIGH MOLECULAR WEIGHT HEPARIN COMPOUND**
[54] **PROCEDES DE FABRICATION D'UN COMPOSE D'HEPARINE DE MASSE MOLECULAIRE ELEVEE**
[72] FU, LI, US
[72] WANG, ZHENYU, US
[72] PAX, JESSICA, US
[71] NEXEOS DIAGNOSTICS, INC., US
[85] 2023-10-30
[86] 2022-05-12 (PCT/US2022/029014)
[87] (WO2022/241130)
[30] US (63/187,624) 2021-05-12

[21] **3,217,274**
[13] A1

[51] **Int.Cl. A61K 49/12 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURING OF A GADOLINIUM COMPLEX SOLUTION**
[54] **PROCEDE DE FABRICATION D'UNE SOLUTION D'UN COMPLEXE DE GADOLINIUM**
[72] BANIN, ANDREA, IT
[72] BARALE, ANDREA, IT
[72] BOI, VALERIA, IT
[72] GAZZETTO, SONIA, IT
[72] BUONSANTI, FEDERICA, IT
[71] BRACCO IMAGING S.P.A., IT
[85] 2023-10-30
[86] 2022-07-26 (PCT/EP2022/070902)
[87] (WO2023/006722)
[30] EP (21187887.1) 2021-07-27

PCT Applications Entering the National Phase

[21] **3,217,277**
[13] A1

[51] **Int.Cl. G01S 13/84 (2006.01) G01S 13/82 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR EVALUATING A DISTANCE BETWEEN AT LEAST TWO ANTENNA UNITS**
[54] **PROCEDE ET SYSTEME D'EVALUATION D'UNE DISTANCE ENTRE AU MOINS DEUX UNITES D'ANTENNE**
[72] LEPPANEN, KARI, FI
[72] SALMI, JUSSI, FI
[71] KOHERENT OY, FI
[85] 2023-10-30
[86] 2022-05-25 (PCT/FI2022/050363)
[87] (WO2022/258883)
[30] FI (20215682) 2021-06-11

[21] **3,217,278**
[13] A1

[51] **Int.Cl. A61P 19/02 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT OF AUTOIMMUNE DISORDERS USING ILT7 BINDING PROTEINS**
[54] **METHODES DE TRAITEMENT DE TROUBLES AUTO-IMMUNS A L'AIDE DE PROTEINES DE LIAISON A IL T7**
[72] REES, WILLIAM, US
[72] ILLEI, GABOR, US
[72] YAN, LI, US
[72] DRAPPA, JORN, US
[72] RATCHFORD, JOHN, US
[72] HAMMOND, EDWARD, US
[71] VIELA BIO, INC., US
[85] 2023-10-30
[86] 2022-05-04 (PCT/US2022/027620)
[87] (WO2022/235758)
[30] US (63/183,886) 2021-05-04
[30] US (63/197,789) 2021-06-07
[30] US (63/242,768) 2021-09-10
[30] US (63/249,953) 2021-09-29
[30] US (63/326,424) 2022-04-01

[21] **3,217,279**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-TIGIT ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-TIGIT ET LEURS PROCEDES D'UTILISATION**
[72] IGNATOVICH, OLGA, US
[72] BUSHELL, K. MARK, US
[72] CHAND, DHAN SIDHARTHA, US
[72] WENSLEY, BETH, US
[71] AGENUS INC., US
[85] 2023-10-30
[86] 2022-05-04 (PCT/US2022/072110)
[87] (WO2022/236284)
[30] US (63/201,536) 2021-05-04

[21] **3,217,281**
[13] A1

[51] **Int.Cl. A61K 51/04 (2006.01) C07D 401/12 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **RADIOPHARMACEUTICALS BASED ON ((R)-1-((6-HYDRAZINYLNICOTINOYL)-D-ALANYL)PYRROLIDIN-2-YL)BORONIC ACID (HYNIC-IFAP) FOR DETECTING THE OVEREXPRESSION OF FIBROBLAST ACTIVATION PROTEIN**
[54] **RADIOPHARMACEUTIQUES A BASE D'ACIDE ((R)?1?((6?HYDRAZYNILNICOTI NOYL)?D?ALANYL)PYRROLYDIN -2-YL)BORONIQUE (HYNIC-IFAP) POUR LA DETECTION DE LA SUREXPRESSION DE LA PROTEINE D'ACTIVATION DE FIBROBLASTE**
[72] LUNA-GUTIERREZ, MYRNA ALEJANDRA, MX
[72] SANTOS-CUEVAS, CLARA LETICIA, MX
[72] FERRO-FLORES, GUILLERMINA, MX
[72] JIMENEZ-MANCILLA, NALLELY PATRICIA, MX
[72] OCAMPO-GARCIA, BLANCA ELI, MX
[72] AZORIN-VEGA, ERIKA PATRICIA, MX
[71] INSTITUTO NACIONAL DE INVESTIGACIONES NUCLEARES, MX
[71] FERRO-FLORES, GUILLERMINA, MX
[71] OCAMPO-GARCIA, BLANCA ELI, MX
[85] 2023-10-30
[86] 2021-10-14 (PCT/MX2021/050055)
[87] (WO2022/231410)
[30] MX (MX/A/2021/005089) 2021-04-30

Demandes PCT entrant en phase nationale

[21] **3,217,283**
[13] A1

[51] **Int.Cl. F02C 6/16 (2006.01) F01K 25/06 (2006.01) F04F 1/18 (2006.01)**

[25] EN

[54] **HEAT-TRANSFER-LIQUID-OPERATED TURBINE AND COMPRESSOR**

[54] **TURBINE FONCTIONNANT AVEC UN LIQUIDE DE TRANSFERT DE CHALEUR ET COMPRESSEUR**

[72] ROTSCCHILD, CARMEL, IL

[72] CASSELL, JOSEPH, IL

[71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED, IL

[85] 2023-10-30

[86] 2022-03-09 (PCT/IL2022/050264)

[87] (WO2022/234554)

[30] US (63/184,928) 2021-05-06

[30] IL (PCT/IL2021/051061) 2021-08-30

[30] US (63/289,197) 2021-12-14

[21] **3,217,285**
[13] A1

[51] **Int.Cl. A23F 5/02 (2006.01) A23F 5/04 (2006.01)**

[25] EN

[54] **ROASTED COFFEE**

[54] **CAFE TORREFIE**

[72] ELSBY, KEVAN ARTHUR, GB

[72] MURPHY, SEAN MACKAY, CH

[72] NOIRA GUERRA, MIKAEL JOSE, CH

[72] SARRAZIN-HORISBERGER, CELINE, CH

[72] POISSON, LUIGI, CH

[72] DAVIDEK, TOMAS, CH

[72] SPRENG, STEFAN, CH

[71] SOCIETE DES PRODUITS NESTLE S.A., CH

[85] 2023-10-30

[86] 2022-05-25 (PCT/EP2022/064192)

[87] (WO2022/258378)

[30] EP (21178416.0) 2021-06-09

[21] **3,217,287**
[13] A1

[51] **Int.Cl. C22B 1/02 (2006.01) C22B 1/24 (2006.01) C22B 1/248 (2006.01) C22B 9/04 (2006.01) C22B 9/05 (2006.01) C22B 21/06 (2006.01)**

[25] EN

[54] **METHOD FOR RECOVERING PROCESSED ALUMINUM SCRAPS OF AERONAUTICAL ALUMINUM ALLOY**

[54] **PROCEDE DE RECUPERATION DE DECHETS D'ALUMINIUM USINES D'ALLIAGE D'ALUMINIUM AERONAUTIQUE**

[72] WANG, ZHI, CN

[72] QIAN, GUOYU, CN

[72] SUN, ZHI, CN

[72] LIU, CHUNWEI, CN

[72] CAO, HONGBIN, CN

[72] YAN, PENGCHENG, CN

[71] THE BOEING COMPANY, US

[85] 2023-10-30

[86] 2022-03-04 (PCT/US2022/018830)

[87] (WO2022/240467)

[30] CN (202110528009.X) 2021-05-14

[21] **3,217,289**
[13] A1

[25] EN

[54] **ANTI-TIGIT ANTIBODIES, ANTI-CD96 ANTIBODIES, AND METHODS OF USE THEREOF**

[54] **ANTICORPS ANTI-TIGIT, ANTI-CORPS ANTI-CD96 ET LEURS PROCEDES D'UTILISATION**

[72] CHAND, DHAN SIDHARTHA, US

[72] JAWAD, ZAHRA, US

[72] IGNATOVICH, OLGA, US

[72] RAMSAY, NICOLA ANNE, US

[72] CAMPBELL, SPENCER, US

[72] WENSLEY, BETH, US

[72] BRIEND, EMMANUEL CYRILLE PASCAL, US

[72] BUSHELL, K. MARK, US

[72] MORIN, BENJAMIN MAXIME, US

[72] ILKOW, VERONICA FRANCISZKA, US

[71] AGENUS INC., US

[85] 2023-10-30

[86] 2022-05-04 (PCT/US2022/072099)

[87] (WO2022/236276)

[30] US (63/201,537) 2021-05-04

[21] **3,217,290**
[13] A1

[25] EN

[54] **BIOLOGICAL SAMPLE CAPTURE WITH MULTIPLEX ANALYSIS**

[54] **CAPTURE D'ECHANTILLONS BIOLOGIQUES AVEC ANALYSE MULTIPLEX**

[72] KOSTYLEV, MIKHAIL, US

[72] GUNTHER, ERIK, US

[71] PROTEOWISE INC., US

[85] 2023-10-30

[86] 2022-04-29 (PCT/US2022/026923)

[87] (WO2022/232506)

[30] US (63/182,345) 2021-04-30

[21] **3,217,291**
[13] A1

[25] EN

[54] **CONFIGURATION AND IMPLEMENTATION OF EXTRA-ORGANIZATIONAL APPLICATIONS**

[54] **CONFIGURATION ET MISE EN ?UVRE D'APPLICATIONS EXTRA-ORGANISATIONNELLES**

[72] BUSCAGLIA, DANIEL ROBERT, US

[72] DHARMASENA, DILANKA THESHAN, US

[72] BOSTON, KYLE MICHAEL, US

[71] PEOPLE CENTER, INC., US

[85] 2023-10-30

[86] 2022-04-27 (PCT/US2022/026499)

[87] (WO2022/232242)

[30] US (17/245,880) 2021-04-30

[21] **3,217,292**
[13] A1

[51] **Int.Cl. C12H 1/14 (2006.01) F04B 53/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR THE PRESERVATION OF BEVERAGES WITH PUMP VENTING**

[54] **PROCEDE ET DISPOSITIF DE CONSERVATION DE BOISSONS DOTE D'UNE POMPE DE VENTILATION**

[72] BURGHOLZ, JONAS, DE

[72] VOGL, ERASMUS, DE

[72] SARTORIUS, GERHARD, DE

[72] KUBATZ, AXEL, DE

[71] LANXESS DEUTSCHLAND GMBH, DE

[85] 2023-10-30

[86] 2022-05-24 (PCT/EP2022/064128)

[87] (WO2022/248514)

[30] EP (21175892.5) 2021-05-26

PCT Applications Entering the National Phase

[21] **3,217,293**
[13] A1

[51] **Int.Cl. E02F 3/34 (2006.01) E02F 3/43 (2006.01) F15B 11/20 (2006.01)**
[25] EN
[54] **SELF-LEVELING LIFT ARM ASSEMBLY FOR POWER MACHINES**
[54] **ENSEMBLE BRAS DE LEVAGE AUTONIVELANT POUR MACHINES ELECTRIQUES**
[72] GLASSER, DAVID, US
[72] KRIEGER, DANIEL J., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2023-10-30
[86] 2022-05-20 (PCT/US2022/030361)
[87] (WO2022/246268)
[30] US (63/191,416) 2021-05-21

[21] **3,217,295**
[13] A1

[51] **Int.Cl. A61L 27/36 (2006.01)**
[25] EN
[54] **MULTI-LAYERED BIOMIMETIC OSTEOCHONDRAL IMPLANTS**
[54] **IMPLANTS OSTEOCHONDRAL BIOMIMETIQUES MULTICOUCHES**
[72] FRYMAN, JAMES CRAIG, US
[72] HAWKINS, MICHAEL E., US
[72] SAHNEY, MIRA, US
[72] MYUNG, DAVID, US
[71] HYALEX ORTHOPAEDICS, INC., US
[85] 2023-10-30
[86] 2022-07-01 (PCT/US2022/036016)
[87] (WO2023/278875)
[30] US (17/365,135) 2021-07-01

[21] **3,217,299**
[13] A1

[51] **Int.Cl. G01R 31/392 (2019.01)**
[25] EN
[54] **BATTERY CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE BATTERIE**
[72] NGUYEN, TUNG, CA
[72] HUSTEDT, ERIC, CA
[71] EXRO TECHNOLOGIES INC., CA
[85] 2023-10-30
[86] 2022-04-22 (PCT/CA2022/050620)
[87] (WO2022/232904)
[30] US (63/183,980) 2021-05-04
[30] US (63/262,017) 2021-10-01

[21] **3,217,301**
[13] A1

[51] **Int.Cl. H04W 76/20 (2018.01)**
[25] EN
[54] **NON-SIMULTANEOUS TRANSMITTING AND RECEIVING CAPABILITY INDICATION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME D'INDICATION DE CAPACITES D'EMISSION-RECEPTION NON SIMULTANEEES**
[72] LI, YUNBO, CN
[72] GUO, YUCHEN, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-10-30
[86] 2022-04-13 (PCT/CN2022/086676)
[87] (WO2022/228131)
[30] CN (202110485829.5) 2021-04-30

[21] **3,217,302**
[13] A1

[25] EN
[54] **BONE FIXATION DEVICES**
[54] **DISPOSITIF DE FIXATION OSSEUSE**
[72] HALLER, JUSTIN, US
[72] FALLIN, T. WADE, US
[72] GREGERSEN, COLIN S., US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2023-10-30
[86] 2022-05-14 (PCT/US2022/029333)
[87] (WO2022/245676)
[30] US (17/325,795) 2021-05-20

[21] **3,217,303**
[13] A1

[51] **Int.Cl. B29C 64/106 (2017.01) B33Y 50/02 (2015.01) B29C 64/118 (2017.01) B29C 64/393 (2017.01) G06N 20/00 (2019.01) B22F 12/90 (2021.01)**
[25] EN
[54] **METHOD AND PLANT FOR MANUFACTURING THREE-DIMENSIONAL ARTICLES BY DEPOSITION OF A PLURALITY OF OVERLAPPING LAYERS OF A MATERIAL FOR ADDITIVE MANUFACTURING**
[54] **METHODE ET INSTALLATION DE FABRICATION D'ARTICLES TRIDIMENSIONNELS PAR DEPOT D'UNE PLURALITE DE COUCHES SUPERPOSEES D'UN MATERIAU POUR LA FABRICATION ADDITIVE**
[72] TONCELLI, LUCA, IT
[72] SAURIN, CLAUDIO, IT
[72] CORLETTI, GABRIELE, IT
[72] MORUZZI, MASSIMILIANO, US
[72] IORIO, FRANCESCO, CA
[71] BRETON S.P.A., IT
[85] 2023-10-30
[86] 2022-05-20 (PCT/IB2022/054733)
[87] (WO2022/243962)
[30] IT (102021000013289) 2021-05-21

[21] **3,217,304**
[13] A1

[51] **Int.Cl. A42B 1/006 (2021.01) A01G 9/02 (2018.01)**
[25] EN
[54] **HEADGEAR FOR SUPPORTING A LIVING PLANT AND METHOD FOR USING THE SAME**
[54] **COUVRE-CHEF POUR LE MAINTIEN D'UNE PLANTE VIVANTE ET SON PROCEDE D'UTILISATION**
[72] MONAGHAN, ELIZABETH, CA
[71] MONAGHAN, ELIZABETH, CA
[85] 2023-10-30
[86] 2022-05-16 (PCT/CA2022/050767)
[87] (WO2022/241542)
[30] US (63/191,299) 2021-05-20

Demandes PCT entrant en phase nationale

[21] **3,217,305**
[13] A1

[51] **Int.Cl. C12N 15/77 (2006.01) C12P 13/08 (2006.01)**

[25] EN

[54] **CORYNEBACTERIUM GLUTAMICUM VARIANT WITH IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE USING SAME**

[54] **VARIANT DE CORYNEBACTERIUM GLUTAMICUM AYANT UNE CAPACITE DE PRODUCTION DE L-LYSINE AMELIOREE ET PROCEDE DE PRODUCTION DE L-LYSINE L'UTILISANT**

[72] HONG, IN PYO, KR
[72] LEE, SUN HEE, KR
[72] KIM, HA EUN, KR
[72] PARK, SEOK HYUN, KR
[72] PARK, JOON HYUN, KR
[71] CJ CHEILJEDANG CORPORATION, KR

[85] 2023-10-30
[86] 2021-05-28 (PCT/KR2021/006681)
[87] (WO2022/231056)
[30] KR (10-2021-0056580) 2021-04-30
[30] KR (10-2021-0067391) 2021-05-26

[21] **3,217,306**
[13] A1

[25] EN

[54] **EDIBLE AERIAL MYCELIA AND METHODS OF MAKING THE SAME**

[54] **MYCELIUMS AERIENS COMESTIBLES ET LEURS PROCEDES DE PREPARATION**

[72] CARLTON, ALEX JAMES, US
[72] HAZEN, RUSSELL ALLAN, US
[72] KUTIKOV, VIVIAN LEE, US
[72] RUSCITTO, NICHOLAS, US
[72] FRIEDMAN, ALEX STEPHEN, US
[72] MCINTYRE, GAVIN REIM, US
[72] MUELLER, PETER JAMES, US
[72] BAYER, EBEN D., US
[72] LOMNES, STEPHEN, US
[72] SNYDER, ASA TRENCH, US
[72] O'BRIEN, MEGHAN ANNE, US
[72] KAPLAN-BIE, JESSICA HANNAH, US

[72] SCHAACK, DAMEN DONALD, US
[71] ECOVATIVE DESIGN LLC, US

[85] 2023-10-30
[86] 2022-05-03 (PCT/US2022/027507)
[87] (WO2022/235694)
[30] US (63/184,079) 2021-05-04

[21] **3,217,307**
[13] A1

[51] **Int.Cl. C01F 11/06 (2006.01) C04B 2/10 (2006.01)**

[25] EN

[54] **METHOD AND INSTALLATION FOR PRODUCING LIME OR DOLIME**

[54] **PROCEDE ET INSTALLATION DE PRODUCTION DE CHAUX OU DE CHAUX DOLOMITIQUE**

[72] HABIB, ZIAD, BE
[72] VAN CANTFORT, OLIVIER, BE
[71] S.A. LHOIST RECHERCHE ET DEVELOPPEMENT, BE

[85] 2023-10-30
[86] 2022-05-10 (PCT/EP2022/062544)
[87] (WO2022/238358)
[30] EP (21173090.8) 2021-05-10

[21] **3,217,308**
[13] A1

[51] **Int.Cl. H01M 50/489 (2021.01) H01G 11/52 (2013.01) H01M 50/414 (2021.01) H01M 50/434 (2021.01) H01M 50/437 (2021.01) H01M 50/443 (2021.01) H01M 50/446 (2021.01) H01M 50/449 (2021.01) H01M 50/451 (2021.01) H01M 50/457 (2021.01) H01M 50/463 (2021.01)**

[25] EN

[54] **SEPARATOR FOR POWER STORAGE DEVICE**

[54] **SEPARATEUR POUR DISPOSITIF DE STOCKAGE D'ENERGIE**

[72] NAKAGAWA, YOSHITAKA, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP

[85] 2023-10-30
[86] 2022-09-07 (PCT/JP2022/033624)
[87] (WO2023/038069)
[30] JP (2021-145739) 2021-09-07

[21] **3,217,309**
[13] A1

[51] **Int.Cl. C12N 15/77 (2006.01) C12P 13/08 (2006.01)**

[25] EN

[54] **CORYNEBACTERIUM GLUTAMICUM VARIANT HAVING IMPROVED L-LYSINE PRODUCTION ABILITY, AND METHOD FOR PRODUCING L-LYSINE BY USING SAME**

[54] **VARIANT DE CORYNEBACTERIUM GLUTAMICUM A CAPACITE AMELIOREE ET PROCEDE DE PRODUCTION DE L-LYSINE PROCEDE DE PRODUCTION DE L-LYSINE FAISANT APPEL A CELUI-CI**

[72] CHOI, MIN JIN, KR
[72] KIM, BONG KI, KR
[72] KIM, HA EUN, KR
[72] PARK, SEOK HYUN, KR
[72] PARK, JOON HYUN, KR
[71] CJ CHEILJEDANG CORPORATION, KR

[85] 2023-10-30
[86] 2021-05-26 (PCT/KR2021/006566)
[87] (WO2022/231055)
[30] KR (10-2021-0056581) 2021-04-30
[30] KR (10-2021-0066965) 2021-05-25

[21] **3,217,310**
[13] A1

[51] **Int.Cl. B65H 45/24 (2006.01) B65H 31/10 (2006.01)**

[25] EN

[54] **MACHINE AND METHOD FOR PRODUCING PACKAGES OF FOLDED OR INTERFOLDED LAMINAR PRODUCTS MADE OF PAPER, IN PARTICULAR PACKAGES OF NAPKINS, TISSUES, TOWELS, OR SIMILAR PRODUCTS**

[54] **MACHINE ET PROCEDE DE PRODUCTION D'EMBALLAGES DE PRODUITS LAMINAIRES PLIES OU ENCHEVETRES EN PAPIER, EN PARTICULIER DES EMBALLAGES D'ESSUIE-TOUT, DE MOUCHOIRS, DE SERVIETTES OU DE PRODUITS SIMILAIRE**

[72] DAMIANI, DANIELE, IT
[72] DETTORI, DANIELE, IT
[71] KORBER TISSUE FOLD S.R.L., IT

[85] 2023-10-30
[86] 2022-05-12 (PCT/IB2022/054419)
[87] (WO2022/238949)
[30] IT (102021000012539) 2021-05-14

PCT Applications Entering the National Phase

[21] **3,217,312**
[13] A1

[51] **Int.Cl. A24F 40/60 (2020.01) A24F 40/50 (2020.01) A24F 40/65 (2020.01) A24F 40/90 (2020.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PROCESSING USER INPUT DURING BATTERY CHARGING**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'ENTREE D'UTILISATEUR PENDANT LA CHARGE D'UNE BATTERIE**

[72] KIM, YONG HWAN, KR
[72] KIM, DONG SUNG, KR
[72] LIM, HUNIL, KR
[72] JANG, SEOK SU, KR
[71] KT & G CORPORATION, KR
[85] 2023-10-30
[86] 2022-11-17 (PCT/KR2022/018164)
[87] (WO2023/090882)
[30] KR (10-2021-0159135) 2021-11-18

[21] **3,217,313**
[13] A1

[51] **Int.Cl. G01V 1/30 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION**

[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION D'ACCUMULATION D'HYDROGENE SOUS LA SURFACE**

[72] DARRAH, THOMAS, US
[72] HOWAT, IAN, US
[72] MOORTGAT, JOACHIM, US
[72] WHYTE, COLIN, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2023-10-30
[86] 2022-04-29 (PCT/IB2022/054008)
[87] (WO2022/229928)
[30] US (63/182,624) 2021-04-30

[21] **3,217,315**
[13] A1

[51] **Int.Cl. G06F 21/31 (2013.01) G06F 3/0488 (2022.01) G06F 21/36 (2013.01) G06F 21/46 (2013.01) A24F 40/50 (2020.01) A24F 40/60 (2020.01) G06F 3/04817 (2022.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR UNLOCKING BASED ON USER INPUT**

[54] **PROCEDE ET APPAREIL DE DEVERROUILLAGE BASE SUR UNE ENTREE D'UTILISATEUR**

[72] KIM, YONG HWAN, KR
[72] KIM, DONG SUNG, KR
[72] LIM, HUNIL, KR
[72] JANG, SEOK SU, KR
[71] KT & G CORPORATION, KR
[85] 2023-10-30
[86] 2022-11-18 (PCT/KR2022/018301)
[87] (WO2023/090934)
[30] KR (10-2021-0161401) 2021-11-22

[21] **3,217,316**
[13] A1

[51] **Int.Cl. C10G 29/20 (2006.01) C10G 11/05 (2006.01) C10G 29/22 (2006.01)**

[25] EN

[54] **ETHANOL DERIVED PETROCHEMICALS**

[54] **PRODUITS PETROCHIMIQUES DERIVES D'ETHANOL**

[72] TIMKO, MICHAEL T., US
[72] TOMPSETT, GEOFFREY A., US
[72] ZAKER, AZADEH, US
[71] WORCESTER POLYTECHNIC INSTITUTE, US
[85] 2023-10-30
[86] 2022-04-05 (PCT/US2022/023498)
[87] (WO2022/216721)
[30] US (63/172,307) 2021-04-08

[21] **3,217,317**
[13] A1

[51] **Int.Cl. C07K 5/117 (2006.01) C07K 5/08 (2006.01) C07K 5/087 (2006.01) C07K 5/10 (2006.01)**

[25] EN

[54] **COMPOUNDS**

[54] **COMPOSES**

[72] LITTLE, PAUL BRIAN, DK
[72] CASES-THOMAS, MANUEL JAVIER, DK
[72] KJOLBY, MADDS FUGLSANG, DK
[72] NYKJÆR, ANDERS, DK
[71] INSUSENSE APS, DK
[85] 2023-10-30
[86] 2022-05-13 (PCT/EP2022/063049)
[87] (WO2022/238565)
[30] EP (21173972.7) 2021-05-14

[21] **3,217,318**
[13] A1

[51] **Int.Cl. H10N 60/82 (2023.01) B82Y 10/00 (2011.01) G06N 10/00 (2022.01) H10N 60/83 (2023.01) H10N 69/00 (2023.01)**

[25] EN

[54] **SUPERCONDUCTING CIRCUIT WITH MAGNETIC-FLUX-TUNABLE ELEMENTS, AND METHODS FOR MINIMIZING FLUX CROSSTALK BETWEEN MAGNETIC FLUX-TUNABLE ELEMENTS IN SUPERCONDUCTING CIRCUITS**

[54] **CIRCUIT SUPRACONDUCTEUR A ELEMENTS ACCORDABLES PAR FLUX MAGNETIQUES ET PROCEDES DE LIMITATION DE DIAPHONIE DE FLUX ENTRE DES ELEMENTS ACCORDABLES PAR FLUX MAGNETIQUES DANS DES CIRCUITS SUPRACONDUCTEUR**

[72] OCKELOEN-KORPPI, CASPAR, FI
[72] RABINA, JUKKA, FI
[72] HEINSOO, JOHANNES, FI
[72] HASSEL, JUHA, FI
[71] IQM FINLAND OY, FI
[85] 2023-10-30
[86] 2021-06-22 (PCT/FI2021/050477)
[87] (WO2022/269121)

Demandes PCT entrant en phase nationale

[21] **3,217,320**
[13] A1

[51] **Int.Cl. G01F 11/26 (2006.01) G01F 11/36 (2006.01)**
[25] EN
[54] **METERING DEVICE FOR ADJUSTING AND/OR CONTROLLING A GAS FLOW, METHOD FOR ADJUSTING AND/OR CONTROLLING A GAS FLOW, AND DOMESTIC APPLIANCE ASSEMBLY**
[54] **DISPOSITIF DE DOSAGE POUR REGLER ET/OU COMMANDER UN FLUX DE GAZ, PROCEDE DE REGLAGE ET/OU DE COMMANDE D'UN FLUX DE GAZ, ET ENSEMBLE APPAREIL MENAGER**
[72] SCHWARZ, KASIMIR, CH
[72] SONDEREGGER, REMO, CH
[71] EUGSTER/FRISMAG AG, CH
[85] 2023-10-30
[86] 2022-05-23 (PCT/EP2022/063862)
[87] (WO2022/248391)
[30] DE (10 2021 205 360.2) 2021-05-26

[21] **3,217,321**
[13] A1

[51] **Int.Cl. A23K 20/105 (2016.01) A23K 20/158 (2016.01) A23K 20/24 (2016.01) C11C 1/02 (2006.01)**
[25] EN
[54] **NEAT REACTION PRODUCT OF CALCIUM AND VOLATILE FATTY ACIDS AS NUTRITIONAL SUPPLEMENT FOR LIVESTOCK AND POULTRY**
[54] **PRODUIT DE REACTION PUR DE CALCIUM ET D'ACIDES GRAS VOLATILS EN TANT QUE COMPLEMENT NUTRITIONNEL POUR LE BETAIL ET LA VOLAILLE**
[72] STARK, PETER A., US
[72] WIBBELS, JASON BERNARD, US
[71] ZINPRO CORPORATION, US
[85] 2023-10-30
[86] 2022-06-13 (PCT/US2022/033218)
[87] (WO2022/265973)
[30] US (17/304,194) 2021-06-16

[21] **3,217,322**
[13] A1

[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/20 (2020.01) A24F 40/46 (2020.01) A24F 40/485 (2020.01) A24F 40/51 (2020.01) A24F 40/70 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**
[72] KIM, DONG SUNG, KR
[72] KIM, YONG HWAN, KR
[72] LIM, HUNIL, KR
[72] JANG, SEOK SU, KR
[71] KT & G CORPORATION, KR
[85] 2023-10-30
[86] 2022-11-18 (PCT/KR2022/018303)
[87] (WO2023/096273)
[30] KR (10-2021-0162184) 2021-11-23

[21] **3,217,324**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/415 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01) A61P 27/10 (2006.01) A61P 27/12 (2006.01)**
[25] EN
[54] **METHOD AND PHARMACEUTICAL COMPOSITION FOR TREATING MYOPIA**
[54] **PROCEDE ET COMPOSITION PHARMACEUTIQUE DE TRAITEMENT DE LA MYOPIE**
[72] ZHOU, XIANGTIAN, CN
[72] PAN, MIAOZHEN, CN
[72] QU, JIA, CN
[72] ZHENG, QINYUAN, CN
[72] WU, HAO, CN
[71] GRAND PHARMA (CHINA) CO., LTD., CN
[85] 2023-10-30
[86] 2022-04-29 (PCT/CN2022/090230)
[87] (WO2022/228546)
[30] CN (202110485864.7) 2021-04-30

[21] **3,217,325**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) C07F 9/53 (2006.01)**
[25] EN
[54] **PHOSPHONYL DERIVATIVE, AND COMPOSITION AND PHARMACEUTICAL APPLICATION THEREOF**
[54] **DERIVE DE PHOSPHONYLE, ET COMPOSITION ET APPLICATION PHARMACEUTIQUE DE CELUI-CI**
[72] ZHANG, CHEN, CN
[72] WANG, JIANMIN, CN
[72] ZHAO, CHENFEI, CN
[72] QIAN, GUOFEI, CN
[72] MA, JUNJIE, CN
[72] HUANG, ZHENGANG, CN
[72] YUAN, SHUAI, CN
[72] HUANG, ANBANG, CN
[72] ZHENG, SHAOLONG, CN
[72] LI, KAI, CN
[72] YU, YAN, CN
[72] YE, FEI, CN
[72] TANG, PINGMING, CN
[72] LI, YAO, CN
[72] NI, JIA, CN
[72] YAN, PANGKE, CN
[71] XIZANG HAISCO PHARMACEUTICAL CO., LTD., CN
[85] 2023-10-30
[86] 2022-04-29 (PCT/CN2022/090243)
[87] (WO2022/228547)
[30] CN (202110470748.8) 2021-04-30
[30] CN (202110570092.7) 2021-05-25
[30] CN (202110651028.1) 2021-06-11
[30] CN (202110824204.7) 2021-07-22
[30] CN (202111025788.8) 2021-09-03
[30] CN (202111214457.9) 2021-10-22
[30] CN (202210000254.8) 2022-01-06

[21] **3,217,326**
[13] A1

[51] **Int.Cl. A41D 1/086 (2018.01) A41D 1/08 (2018.01)**
[25] EN
[54] **EQUESTRIAN PANTS GARMENTS**
[54] **PANTALON D'EQUITATION**
[72] WONG, MIMIE, US
[71] ARIAT INTERNATIONAL, INC., US
[85] 2023-10-30
[86] 2022-03-07 (PCT/US2022/019098)
[87] (WO2022/235333)
[30] US (63/184,966) 2021-05-06
[30] US (17/687,317) 2022-03-04

PCT Applications Entering the National Phase

[21] **3,217,327**
[13] A1

[51] **Int.Cl. A61K 31/4418 (2006.01) A61P 1/00 (2006.01) A61P 1/16 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL HYDRONIDONE FORMULATIONS FOR DISEASES**

[54] **FORMULATIONS PHARMACEUTIQUES D'HYDRONIDONE POUR DES MALADIES**

[72] LUO, YING, CN
[72] ZHANG, LING, CN
[71] CATALYST BIOSCIENCES, INC., US
[85] 2023-10-17
[86] 2021-04-19 (PCT/CN2021/088104)
[87] (WO2022/221988)

[21] **3,217,328**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) C12N 15/11 (2006.01)**

[25] EN

[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**

[54] **ELEMENTS REGULATEURS DE PLANTE ET LEURS UTILISATIONS**

[72] DAVIS, IAN W., US
[72] MARENGO, MATTHEW S., US
[72] NAGY, ERVIN D., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2023-10-17
[86] 2022-04-28 (PCT/US2022/026754)
[87] (WO2022/232407)
[30] US (63/182,288) 2021-04-30
[30] US (63/295,061) 2021-12-30

[21] **3,217,329**
[13] A1

[51] **Int.Cl. A01G 27/06 (2006.01) A01G 24/44 (2018.01) A01G 27/00 (2006.01) A01G 31/02 (2006.01) A01G 31/06 (2006.01)**

[25] EN

[54] **PLANT APPARATUS**

[54] **APPAREIL POUR PLANTE**

[72] ZARHI, ERAN, IL
[72] BURKO, ELAD, US
[71] TERRA STUDIO LTD., IL
[85] 2023-10-17
[86] 2022-03-31 (PCT/IL2022/050305)
[87] (WO2022/224235)
[30] US (17/233,770) 2021-04-19

[21] **3,217,330**
[13] A1

[51] **Int.Cl. C07C 233/76 (2006.01) C07C 237/22 (2006.01) C07D 217/26 (2006.01)**

[25] EN

[54] **PCNA INHIBITORS AND EGFR INHIBITORS FOR CANCER TREATMENT**

[54] **INHIBITEURS DE PCNA ET INHIBITEURS D'EGFR POUR LE TRAITEMENT DU CANCER**

[72] LINGEMAN, ROBERT, US
[72] MALKAS, LINDA H., US
[72] HICKEY, ROBERT J., US
[71] CITY OF HOPE, US
[85] 2023-10-17
[86] 2022-04-29 (PCT/US2022/026928)
[87] (WO2022/232509)
[30] US (63/182,408) 2021-04-30

[21] **3,217,331**
[13] A1

[51] **Int.Cl. E02F 3/85 (2006.01)**

[25] EN

[54] **WORK MACHINE AND METHOD FOR CONTROLLING WORK MACHINE**

[54] **ENGIN DE CHANTIER ET PROCEDE DE COMMANDE D'UN ENGIN DE CHANTIER**

[72] NISHIHARA, KEN, JP
[72] ISHIBASHI, EIJI, JP
[71] KOMATSU LTD., JP
[85] 2023-10-17
[86] 2022-05-31 (PCT/JP2022/022150)
[87] (WO2023/276529)
[30] JP (2021-108991) 2021-06-30

[21] **3,217,332**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/501 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07D 403/12 (2006.01)**

[25] EN

[54] **SUBSTITUTED HETEROCYCLIC COMPOUNDS**

[54] **COMPOSES HETEROCYCLIQUES SUBSTITUES**

[72] SPERGEL, STEVEN H., US
[72] MOSLIN, RYAN M., US
[72] MERTZMAN, MICHAEL EDWARD, US
[72] TINO, JOSEPH A., US
[72] POSY, SHOSHANA L., US
[72] LAKKARAJU, SIRISH KAUSHIK, US
[72] XIAO, ZILI, US
[72] KEMPSON, JAMES, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2023-10-17
[86] 2022-05-13 (PCT/US2022/029102)
[87] (WO2022/241171)
[30] US (63/188,498) 2021-05-14
[30] US (63/318,149) 2022-03-09

[21] **3,217,333**
[13] A1

[51] **Int.Cl. G08B 21/02 (2006.01) G08B 25/12 (2006.01)**

[25] EN

[54] **INSTANT ALERT NOTIFIER AND DOCKING STATION**

[54] **DISPOSITIF DE NOTIFICATION INSTANTANEE D'ALERTE ET STATION D'ACCUEIL**

[72] RINTZ, WILLIAM, US
[72] ADRIAN, TERRI-ANN, US
[72] FELTS, SAMUEL, US
[72] MOORE, ALLEN, US
[71] RINTZ, WILLIAM, US
[85] 2023-10-19
[86] 2022-01-01 (PCT/IB2022/050005)
[87] (WO2022/224043)
[30] US (17/236,113) 2021-04-21

Demandes PCT entrant en phase nationale

[21] **3,217,334**
[13] A1

[51] **Int.Cl. B01J 3/00 (2006.01) B01J 3/02 (2006.01) B01J 3/03 (2006.01) B01J 19/00 (2006.01) F16L 23/036 (2006.01) F16L 41/08 (2006.01) F16L 23/028 (2006.01) F16L 23/032 (2006.01)**

[25] EN
[54] **A TANK BASE FOR A PRESSURE CONTAINER**
[54] **BASE DE RESERVOIR POUR RECIPIENT SOUS PRESSION**

[72] RATTI, WALTER, IT
[71] RATTIINOX S.R.L., IT
[85] 2023-10-19
[86] 2022-04-26 (PCT/IB2022/053841)
[87] (WO2022/229827)
[30] IT (102021000010442) 2021-04-26

[21] **3,217,335**
[13] A1

[51] **Int.Cl. H01L 29/786 (2006.01) H01L 29/02 (2006.01) H01L 31/107 (2006.01) H01L 29/04 (2006.01) H01L 31/09 (2006.01)**

[25] EN
[54] **SOLID-STATE AMORPHOUS SELENIUM AVALANCHE DETECTOR WITH HOLE BLOCKING LAYER**
[54] **DETECTEUR D'AVALANCHE AU SELENIUM AMORPHE A SEMI-CONDUCTEURS DOTE D'UNE COUCHE DE BLOCAGE DE TROUS**

[72] MUKHERJEE, ATREYO, US
[72] ZHAO, WEI, US
[72] GOLDAN, AMIRHOSSEIN, US
[72] HO, LE THANH TRIET, US
[72] LUBINSKY, ANTHONY R., US
[72] HOWANSKY, ADRIAN, US
[72] STAVRO, JANN, US
[72] SIDDON, D. PETER, US
[72] RUMAIZ, ABDUL KHADER, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[71] BROOKHAVEN SCIENCE ASSOCIATES, LLC, US
[85] 2023-10-17
[86] 2022-05-19 (PCT/US2022/030043)
[87] (WO2022/246074)
[30] US (63/190,394) 2021-05-19

[21] **3,217,336**
[13] A1

[51] **Int.Cl. H02S 20/23 (2014.01) H02S 20/25 (2014.01) F24S 25/60 (2018.01) F24S 25/61 (2018.01) F16B 25/10 (2006.01)**

[25] EN
[54] **ATTACHMENT BRACKET APPARATUS**
[54] **APPAREIL D'EQUERRE DE FIXATION**

[72] GALLEGOS, ERNEST, US
[71] UNIRAC INC., US
[85] 2023-10-17
[86] 2022-05-20 (PCT/US2022/030217)
[87] (WO2022/246172)
[30] US (17/327,569) 2021-05-21

[21] **3,217,337**
[13] A1

[51] **Int.Cl. C21D 1/673 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/44 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01) C22C 38/54 (2006.01) C21D 1/19 (2006.01) C21D 9/46 (2006.01)**

[25] EN
[54] **STEEL SHEET AND HIGH STRENGTH PRESS HARDENED STEEL PART AND METHOD OF MANUFACTURING THE SAME**
[54] **TOLE D'ACIER, PIECE EN ACIER DURCI SOUS PRESSE A HAUTE RESISTANCE ET LEUR PROCEDE DE FABRICATION**

[72] COBO, SEBASTIAN, FR
[72] STOUVENOT, FRANCOIS, FR
[72] LUCAS, EMMANUEL, FR
[71] ARCELORMITTAL, LU
[85] 2023-10-19
[86] 2022-04-29 (PCT/IB2022/053986)
[87] (WO2022/234413)
[30] IB (PCT/IB2021/053731) 2021-05-04

[21] **3,217,338**
[13] A1

[51] **Int.Cl. A61K 31/194 (2006.01) A61K 8/00 (2006.01) A61K 9/00 (2006.01) A61K 31/095 (2006.01) A61K 31/327 (2006.01) A61K 33/24 (2019.01) A61P 17/00 (2006.01)**

[25] EN
[54] **TOPICAL FORMULATIONS COMPRISING BENZOYL PEROXIDE AND AZELAIC ACID, AND USE THEREOF**
[54] **FORMULATIONS TOPIQUES COMPRENANT DU PEROXYDE DE BENZOYLE ET DE L'ACIDE AZELAIQUE, ET LEUR UTILISATION**

[72] MINKIN, MASHA, IL
[72] ROSMAN, ERAN, IL
[71] NOON AESTHETICS M.R LTD., IL
[85] 2023-10-19
[86] 2022-04-30 (PCT/IB2022/054017)
[87] (WO2022/229934)
[30] US (63/182,196) 2021-04-30

[21] **3,217,339**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 5/0215 (2006.01)**

[25] EN
[54] **PROSTHETIC HEART VALVE DELIVERY ASSEMBLIES WITH MULTIPLE LOCATION PRESSURE SENSING**
[54] **ENSEMBLES DE POSE DE VALVULE CARDIAQUE PROTHETIQUE AVEC DETECTION DE PRESSION EN PLUSIEURS ENDROITS**

[72] STEENWYK, NICHOLAS SCOTT, US
[72] SENESH, GIL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2023-10-18
[86] 2022-04-28 (PCT/US2022/026740)
[87] (WO2022/232397)
[30] US (63/181,722) 2021-04-29

PCT Applications Entering the National Phase

[21] **3,217,340**
[13] A1

[51] **Int.Cl. B29C 64/30 (2017.01) B29C 64/393 (2017.01)**
[25] EN
[54] **SEPARATION CONTROL SYSTEMS AND METHODS FOR 3D PRINTERS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE SEPARATION POUR IMPRIMANTES 3D**
[72] MILLS, BARRY ALAN, CA
[71] CURRAX ADVANCED RESEARCH LABORATORIES INC., CA
[85] 2023-10-19
[86] 2022-04-21 (PCT/CA2022/050610)
[87] (WO2022/221952)
[30] US (63/178,615) 2021-04-23

[21] **3,217,341**
[13] A1

[51] **Int.Cl. C10L 1/14 (2006.01) C10L 1/16 (2006.01) C10L 1/196 (2006.01) C10L 10/16 (2006.01)**
[25] EN
[54] **POLYMERIC POUR POINT DEPRESSANTS FOR WAXY CRUDE OILS**
[54] **ABAISEURS DE POINT D'ECOULEMENT POLYMERES POUR HUILES BRUTES PARAFFINEUSES**
[72] KAISER, ANTON, DE
[72] FEUSTEL, MICHAEL, DE
[72] KAYSER, CHRISTOPH, DE
[72] KRULL, MATTHIAS, DE
[72] SCHAFER, MICHAEL, DE
[72] SMITH, RASHOD, US
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2023-10-19
[86] 2022-01-12 (PCT/EP2022/050529)
[87] (WO2022/223153)
[30] US (17/236,635) 2021-04-21
[30] EP (21174872.8) 2021-05-20

[21] **3,217,342**
[13] A1

[51] **Int.Cl. E04F 13/08 (2006.01) E04F 13/14 (2006.01)**
[25] EN
[54] **A SYSTEM FOR ATTACHING PANELS TO A WALL**
[54] **SYSTEME DE FIXATION DE PANNEAUX A UNE PAROI**
[72] O'NEILL, BOBBY, IE
[71] COMPTOIR DU BATIMENT NV, BE
[85] 2023-10-19
[86] 2022-04-27 (PCT/EP2022/061144)
[87] (WO2022/233657)
[30] EP (21172747.4) 2021-05-07

[21] **3,217,343**
[13] A1

[51] **Int.Cl. A61K 31/538 (2006.01) A61P 31/04 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL COMPOUND**
[54] **COMPOSE ANTIBACTERIEN**
[72] KHAN, MOHAMMED NAWAZ, GB
[72] BREIDENSTEIN, ELENA BERNADETTE MONIKA, GB
[72] BYE, ALAN, GB
[71] DISCUVA LIMITED, GB
[85] 2023-10-19
[86] 2022-05-03 (PCT/EP2022/061873)
[87] (WO2022/233886)
[30] IN (202111020227) 2021-05-03
[30] EP (21181594.9) 2021-06-24
[30] GB (2204981.1) 2022-04-05

[21] **3,217,344**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **DELIVERY DEVICE**
[54] **DISPOSITIF DE POSE**
[72] SHIMEL, GUY, IL
[72] AGIAN, NADAV, IL
[72] BAROR, EYAL, IL
[71] INNOVALVE BIO MEDICAL LTD., IL
[85] 2023-10-19
[86] 2022-05-04 (PCT/IB2022/054099)
[87] (WO2022/234468)
[30] US (63/184,403) 2021-05-05
[30] US (63/184,427) 2021-05-05

[21] **3,217,345**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/6834 (2018.01) G01N 33/573 (2006.01)**
[25] EN
[54] **MULTI-PLEX ASSAY PLATES AND METHODS OF MAKING**
[54] **PLAQUES DE DOSAGE MULTI-PLEX ET PROCEDES DE FABRICATION**
[72] KENTEN, JOHN H., US
[72] NIKOLENKO, GALINA, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2023-10-19
[86] 2022-04-25 (PCT/US2022/026147)
[87] (WO2022/232027)
[30] US (63/179,731) 2021-04-26

[21] **3,217,346**
[13] A1

[51] **Int.Cl. A01K 15/02 (2006.01) A61D 5/00 (2006.01) B29C 43/00 (2006.01) B29C 43/18 (2006.01) B29C 43/36 (2006.01) B29C 45/16 (2006.01)**
[25] EN
[54] **PET CHEW ARTICLE CONTAINING LUFFA**
[54] **ARTICLE A MACHER POUR ANIMAL DE COMPAGNIE CONTENANT DU LUFFA**
[72] AXELROD, GLEN S., US
[72] GAJRIA, AJAY, US
[71] T.F.H. PUBLICATIONS, INC., US
[85] 2023-10-19
[86] 2022-04-22 (PCT/US2022/025896)
[87] (WO2022/226276)
[30] US (63/201,310) 2021-04-23

Demandes PCT entrant en phase nationale

[21] **3,217,347**
[13] A1

[51] **Int.Cl. G05B 13/02 (2006.01)**
[25] EN
[54] **CAUSAL RELATIONAL ARTIFICIAL INTELLIGENCE AND RISK FRAMEWORK FOR MANUFACTURING APPLICATIONS**
[54] **INTELLIGENCE ARTIFICIELLE RELATIONNELLE CAUSALE ET CADRE D'APPLICATION DE RISQUE POUR DES APPLICATIONS DE FABRICATION**
[72] BELLAY, JEREMY, US
[72] DEFORTE, SHELLY, US
[72] DARBY, NICHOLAS, US
[72] WICKEY, KURTIS, US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2023-10-19
[86] 2022-04-22 (PCT/US2022/025869)
[87] (WO2022/226258)
[30] US (63/178,982) 2021-04-23

[21] **3,217,348**
[13] A1

[51] **Int.Cl. A47G 29/14 (2006.01)**
[25] EN
[54] **MY DROP BOX DELIVERY (MDB DELIVERY)**
[54] **LIVRAISON DE BOITE DE DEPOT (LIVRAISON MDB)**
[72] DYSON, JASON, GB
[71] DYSON, JASON, GB
[85] 2021-11-18
[86] 2019-04-05 (PCT/IB2019/052792)
[87] (WO2020/212725)

[21] **3,217,349**
[13] A1

[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/60 (2006.01) A61K 8/73 (2006.01)**
[25] EN
[54] **NEW FOAM FORMULATIONS FOR DERMATOLOGICAL APPLICATION WITH PHASE REVERSAL**
[54] **NOUVELLES FORMULATIONS DE MOUSSE POUR APPLICATION DERMATOLOGIQUE AVEC INVERSION DE PHASE**
[72] DANIELS, ROLF, DE
[71] PROF4SKIN GMBH, DE
[85] 2023-10-31
[86] 2022-01-28 (PCT/EP2022/052006)
[87] (WO2022/162124)
[30] DE (DE 102021000414.0) 2021-01-28

[21] **3,217,351**
[13] A1

[51] **Int.Cl. A61L 2/07 (2006.01) A61L 2/20 (2006.01) A61L 11/00 (2006.01) B01J 19/00 (2006.01) B09B 3/00 (2022.01) G09F 3/00 (2006.01) H05B 6/00 (2006.01)**
[25] EN
[54] **MOBILE STERILIZATION SYSTEM**
[54] **SYSTEME MOBILE DE STERILISATION**
[72] GUIRETTE HERMANN LEGUEU, JEAN LOUIS PIERRE JACQUES, US
[72] GUIRETTE HENTSCHEL, ROBERT, US
[71] GUIRETTE HERMANN LEGUEU, JEAN LOUIS PIERRE JACQUES, US
[71] GUIRETTE HENTSCHEL, ROBERT, US
[85] 2023-10-19
[86] 2022-04-19 (PCT/MX2022/050038)
[87] (WO2022/225385)
[30] MX (MX/a/2021/004545) 2021-04-20

[21] **3,217,353**
[13] A1

[51] **Int.Cl. F23C 10/28 (2006.01)**
[25] EN
[54] **OXY-PFBC TEMPERATURE MANAGEMENT THROUGH STAGED GAS INJECTION AND GAS VELOCITY MANAGEMENT**
[54] **GESTION DE TEMPERATURE OXY-PFBC PAR INJECTION ETAGEE DE GAZ ET GESTION DE VITESSE DE GAZ**
[72] FOLLETT, IV WILLIAM W., US
[72] HEIM, DOUGLAS M., US
[71] GAS TECHNOLOGY INSTITUTE, US
[85] 2023-10-31
[86] 2022-05-03 (PCT/US2022/027415)
[87] (WO2022/235630)
[30] US (63/183,261) 2021-05-03

[21] **3,217,354**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTOR T CELL THERAPY**
[54] **THERAPIE PAR LYMPHOCYTES T A RECEPTEURS ANTIGENIQUES CHIMERIQUES**
[72] GARCIA, RHINE SHEN, US
[72] PLAKS, VICKI, US
[71] KITE PHARMA, INC., US
[85] 2023-10-19
[86] 2022-05-12 (PCT/US2022/029047)
[87] (WO2022/241151)
[30] US (63/188,916) 2021-05-14
[30] US (63/248,941) 2021-09-27
[30] US (63/328,364) 2022-04-07

PCT Applications Entering the National Phase

[21] **3,217,355**
[13] A1

[51] **Int.Cl. G01V 1/46 (2006.01) E21B 47/14 (2006.01) G01V 1/50 (2006.01)**
[25] EN
[54] **THROUGH TUBING NEAR-FIELD SONIC MEASUREMENTS TO MAP OUTER CASING ANNULAR CONTENT HETEROGENEITIES**
[54] **MESURES SONIQUES EN CHAMP PROCHE DE COLONNE DE PRODUCTION POUR LA CARTOGRAPHIE D'HETEROGENEITES DE CONTENU ANNULAIRE DE TUBAGE EXTERNE**

[72] BOSE, SANDIP, US
[72] D'ANGELO, RALPH, US
[72] ZEROUG, SMAINE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2023-10-19
[86] 2022-04-20 (PCT/US2022/025566)
[87] (WO2022/226082)
[30] US (63/176,947) 2021-04-20

[21] **3,217,356**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/70 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **ENGINEERING B CELL-BASED PROTEIN FACTORIES TO TREAT SERIOUS DISEASES**
[54] **USINES DE PROTEINES A BASE DE LYMPHOCYTES B TECHNIQUES POUR TRAITER DES MALADIES GRAVES**

[72] ROMANO, ROSA, US
[72] PARK, HANGIL, US
[72] LAN, WEIJIE, US
[71] WALKING FISH THERAPEUTICS, INC., US
[85] 2023-10-19
[86] 2022-04-20 (PCT/US2022/025471)
[87] (WO2022/226020)
[30] US (63/176,944) 2021-04-20

[21] **3,217,357**
[13] A1

[51] **Int.Cl. B32B 15/09 (2006.01) C08K 3/013 (2018.01)**
[25] EN
[54] **FILM FOR LAMINATING METAL PLATE**
[54] **FILM POUR LA STRATIFICATION D'UNE PLAQUE METALLIQUE**

[72] HADA, MASANORI, JP
[72] KUBO, KOJI, JP
[71] TOYOBO CO., LTD., JP
[85] 2023-10-31
[86] 2022-06-17 (PCT/JP2022/024359)
[87] (WO2023/282030)
[30] JP (2021-111601) 2021-07-05

[21] **3,217,358**
[13] A1

[51] **Int.Cl. A61F 2/12 (2006.01) B33Y 80/00 (2015.01) A61L 27/56 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **MULTI-COMPONENT BREAST IMPLANT**
[54] **IMPLANT MAMMAIRE A COMPOSANTS MULTIPLES**

[72] LIMEM, SKANDER, US
[72] SARIIBRAHIMOGLU, KEMAL, US
[72] BUTLER, TIMOTHY JOHN, US
[72] WILLIAMS, SIMON F., US
[71] TEPHA, INC., US
[85] 2023-10-19
[86] 2022-04-15 (PCT/US2022/024954)
[87] (WO2022/225798)
[30] US (63/176,450) 2021-04-19

[21] **3,217,360**
[13] A1

[51] **Int.Cl. G06F 30/27 (2020.01) G06N 20/00 (2019.01) G06N 5/04 (2023.01)**
[25] EN
[54] **TOOL FOR DESIGNING ARTIFICIAL INTELLIGENCE SYSTEMS**
[54] **OUTIL DE CONCEPTION DE SYSTEMES D'INTELLIGENCE ARTIFICIELLE**

[72] MEINDERS, CHRISTINE, US
[71] MEINDERS, CHRISTINE, US
[85] 2023-10-19
[86] 2022-04-14 (PCT/US2022/024875)
[87] (WO2022/225793)
[30] US (17/234,752) 2021-04-19

[21] **3,217,361**
[13] A1

[51] **Int.Cl. A47B 97/04 (2006.01)**
[25] EN
[54] **ROTATING PAINTING APPARATUS**
[54] **APPAREIL DE PEINTURE ROTATIF**

[72] SCHWIND, JOHN, US
[71] SCHWIND, JOHN, US
[85] 2023-10-31
[86] 2021-11-24 (PCT/US2021/060716)
[87] (WO2022/245391)
[30] US (17/323,077) 2021-05-18

[21] **3,217,362**
[13] A1

[51] **Int.Cl. C07C 231/02 (2006.01)**
[25] EN
[54] **MDMA ENANTIOMERS**
[54] **ENANTIOMERES DE MDMA**

[72] BARROW, ROBERT, US
[72] KARLIN, DANIEL R., US
[71] MIND MEDICINE, INC., US
[85] 2023-10-31
[86] 2022-05-01 (PCT/US2022/027180)
[87] (WO2022/235530)
[30] US (63/184,703) 2021-05-05

[21] **3,217,363**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/296 (2021.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **STIMULATION INTERFACE PADS**
[54] **PASTILLES D'INTERFACE DE STIMULATION**

[72] VAISHYA, MANISH, US
[72] PATRICK, SAMANTHA, US
[72] GEERS, KATHERINE, US
[72] BARRERA, NIKOLAS, US
[72] GEBREKIDAN, MAEKELE, US
[72] ZHANG, MINGMING, US
[71] AVATION MEDICAL, INC., US
[85] 2023-10-31
[86] 2022-05-03 (PCT/US2022/027374)
[87] (WO2022/235607)
[30] US (63/183,170) 2021-05-03

Demandes PCT entrant en phase nationale

[21] **3,217,365**
[13] A1

[25] EN
[54] **METHODS FOR MAKING LIBRARIES FOR NUCLEIC ACID SEQUENCING**
[54] **PROCEDES DE FABRICATION DE BANQUES POUR LE SEQUENCAGE D'ACIDES NUCLEIQUES**
[72] GODINEZ, ALVARO, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-10-31
[86] 2022-05-12 (PCT/US2022/029057)
[87] (WO2022/241158)
[30] US (63/189,032) 2021-05-14
[30] US (63/243,443) 2021-09-13

[21] **3,217,366**
[13] A1

[51] **Int.Cl. A01J 5/04 (2006.01)**
[25] EN
[54] **MILKING SYSTEM**
[54] **SYSTEME DE TRAITE**
[72] GUDMUNDSSON, MATS, SE
[71] DELAVAL HOLDING AB, SE
[85] 2023-10-31
[86] 2022-06-02 (PCT/SE2022/050537)
[87] (WO2022/260574)
[30] SE (2150722-3) 2021-06-08

[21] **3,217,367**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) A61P 25/28 (2006.01)**
[25] FR
[54] **COPPER NANOCCLUSERS, METHODS FOR OBTAINING SAME AND THE USE THEREOF IN THE TREATMENT OF MENKES DISEASE**
[54] **NANOCCLUSERS DE CUIVRE, LEURS PROCEDES D'OBTENTION ET LEUR APPLICATION DANS LE TRAITEMENT DE LA MALADIE DE MENKES**
[72] BOUDIER, ARIANE, FR
[72] CLAROT, IGOR, FR
[72] FEILLET, FRANCOIS, FR
[71] UNIVERSITE DE LORRAINE, FR
[71] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE NANCY (CHRU), FR
[85] 2023-10-31
[86] 2022-05-10 (PCT/FR2022/050896)
[87] (WO2022/238656)
[30] FR (FR2105001) 2021-05-11

[21] **3,217,368**
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01) A61B 17/00 (2006.01) A61B 17/04 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **REPOSITIONABLE SURGICAL ANCHORS**
[54] **ANCRAGES CHIRURGICAUX REPOSITIONNABLES**
[72] PINE, THOMAS, US
[71] DAVOL INC., US
[85] 2023-10-19
[86] 2022-03-15 (PCT/US2022/020341)
[87] (WO2022/231713)
[30] US (17/245,783) 2021-04-30

[21] **3,217,370**
[13] A1

[51] **Int.Cl. H01M 8/0206 (2016.01) H01M 8/0228 (2016.01) H01M 8/0297 (2016.01)**
[25] FR
[54] **METHOD FOR PRODUCING A SOEC/SOFC-TYPE SOLID OXIDE STACK, AND ASSOCIATED STACK**
[54] **PROCEDE DE REALISATION D'UN EMPILEMENT A OXYDES SOLIDES DE TYPE SOEC/SOFC ET EMPILEMENT ASSOCIE**
[72] DI IORIO, STEPHANE, FR
[72] ORESIC, BRUNO, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2023-10-31
[86] 2022-04-26 (PCT/FR2022/050789)
[87] (WO2022/234214)
[30] FR (FR2104688) 2021-05-04

[21] **3,217,371**
[13] A1

[51] **Int.Cl. G01N 33/532 (2006.01) C12N 5/09 (2010.01) G01N 33/574 (2006.01)**
[25] EN
[54] **CANCER ANTIGEN FOR EARLY DETECTION OF A CANCER**
[54] **ANTIGENE DU CANCER POUR LA DETECTION PRECOCE DU CANCER**
[72] CHERKASOVA, JANNETA RASHIDOVNA, RU
[72] TSURKAN, SERGEI ALEXANDROVICH, RU
[72] KONDRATIEV, VYACHESLAV BORISOVICH, RU
[72] NORO-VIDAL, RICARDO, CA
[71] UCT RESEARCH AND DEVELOPMENT INC., CA
[85] 2023-10-19
[86] 2020-05-27 (PCT/RU2020/000250)
[87] (WO2021/215955)
[30] RU (2020114411) 2020-04-22

[21] **3,217,372**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 47/42 (2017.01)**
[25] EN
[54] **MERTK PEPTIDES AND USES THEREOF**
[54] **PEPTIDES DE MERTK ET LEURS UTILISATIONS**
[72] TAVAZOIE, MASOUD, US
[72] KURTH, ISABEL, US
[72] TAKEDA, SHUGAKU, US
[72] DARST, DAVID M., US
[71] INSPIRNA, INC., US
[85] 2023-10-31
[86] 2022-05-13 (PCT/US2022/029185)
[87] (WO2022/241212)
[30] US (63/189,036) 2021-05-14

PCT Applications Entering the National Phase

[21] **3,217,373**
[13] A1

[51] **Int.Cl. B61L 23/04 (2006.01) B61L 25/06 (2006.01) B61L 27/04 (2006.01)**
[25] EN
[54] **A METHOD FOR SAFE TRAIN REMOTE CONTROL, WITH PROCESSING IMAGE FRAMES VIA TWO PROCESSING LINES**
[54] **PROCEDE DE COMMANDE A DISTANCE DE TRAIN SURE, A TRAITEMENT DE TRAMES D'IMAGE PAR L'INTERMEDIAIRE DE DEUX LIGNES DE TRAITEMENT**
[72] KALBERER, ULRICH, DE
[71] GTS DEUTSCHLAND GMBH, DE
[85] 2023-10-31
[86] 2022-05-27 (PCT/EP2022/064409)
[87] (WO2022/263144)
[30] DE (10 2021 206 116.8) 2021-06-15

[21] **3,217,376**
[13] A1

[51] **Int.Cl. B01D 61/08 (2006.01)**
[25] EN
[54] **SEALING ASSEMBLY AND METHOD OF USE THEREOF**
[54] **ENSEMBLE D'ETANCHEITE ET PROCEDE D'UTILISATION ASSOCIE**
[72] TALLY, WILLIAM N., US
[72] REESBECK, THOMAS, US
[72] DUPUIS, JEFFREY, US
[71] RENEW HEALTH LIMITED, IE
[85] 2023-10-31
[86] 2022-05-02 (PCT/US2022/027302)
[87] (WO2022/235573)
[30] US (63/184,275) 2021-05-05

[21] **3,217,377**
[13] A1

[51] **Int.Cl. G02F 1/1503 (2019.01) G02F 1/1516 (2019.01)**
[25] EN
[54] **ANODICALLY-COLORING ELECTROCHROMIC COMPOUNDS, AND DEVICES AND COMPOSITIONS CONTAINING SAME**
[54] **COMPOSES ELECTROCHROMES A COLORATION ANODIQUE, ET DISPOSITIFS ET COMPOSITIONS LES CONTENANT**
[72] CHRISTIANSEN, DYLAN, US
[71] VITRO FLAT GLASS LLC, US
[85] 2023-10-31
[86] 2022-05-27 (PCT/US2022/031338)
[87] (WO2022/251630)
[30] US (63/194,303) 2021-05-28

[21] **3,217,378**
[13] A1

[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/67 (2006.01) A61Q 5/02 (2006.01) A61Q 5/12 (2006.01) A61Q 19/10 (2006.01) A61K 8/60 (2006.01)**
[25] EN
[54] **PERSONAL CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS PERSONNELS**
[72] COHEN, AARON, US
[72] LI, NINGWEI, US
[72] MAO, JUNHONG, US
[72] SHEN, HONGWEI, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2023-10-31
[86] 2022-05-12 (PCT/US2022/029033)
[87] (WO2022/241143)
[30] US (63/188,750) 2021-05-14

[21] **3,217,380**
[13] A1

[51] **Int.Cl. C07D 213/74 (2006.01) A61K 31/443 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) C07D 213/82 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **NAMPT INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE NAMPT ET LEURS UTILISATIONS**
[72] BHURRUTH-ALCOR, YUSHMA, US
[72] CRIMMINS, GREGORY THOMAS, US
[72] DE JESUS DIAZ, DENNISE ALEXANDRA, US
[71] REMEDY PLAN, INC., US
[85] 2023-10-31
[86] 2022-05-13 (PCT/US2022/029259)
[87] (WO2022/241257)
[30] US (63/188,399) 2021-05-13

[21] **3,217,381**
[13] A1

[51] **Int.Cl. G06F 21/53 (2013.01) G06F 21/57 (2013.01)**
[25] EN
[54] **SECURE GUEST IMAGE AND METADATA UPDATE**
[54] **MISE A JOUR D'IMAGE D'INVITE SECURISE ET DE METADONNEES**
[72] BUENDGEN, REINHARD, DE
[72] BRADBURY, JONATHAN, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2023-10-31
[86] 2022-08-02 (PCT/EP2022/071764)
[87] (WO2023/012198)
[30] US (17/395,089) 2021-08-05

Demandes PCT entrant en phase nationale

[21] **3,217,383**
[13] A1

[51] **Int.Cl. C22C 45/02 (2006.01) H01F 1/153 (2006.01) H01F 1/16 (2006.01)**

[25] EN

[54] **FE-BASED AMORPHOUS ALLOY AND FE-BASED AMORPHOUS ALLOY RIBBON**

[54] **ALLIAGE AMORPHE A BASE DE FE ET BANDE MINCE D'ALLIAGE AMORPHE A BASE DE FE**

[72] SATO, SHINYA, JP
[72] OZAKI, SHIGEKATSU, JP
[72] TERASHIMA, SHINICHI, JP
[72] KOBAYASHI, TAKAYUKI, JP
[72] SATO, YUICHI, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2023-10-31
[86] 2022-05-18 (PCT/JP2022/020729)
[87] (WO2022/244819)
[30] JP (2021-083748) 2021-05-18
[30] JP (2022-008724) 2022-01-24

[21] **3,217,385**
[13] A1

[51] **Int.Cl. H01R 24/40 (2011.01) H01R 4/40 (2006.01)**

[25] EN

[54] **MECHANISM FOR CONNECTING AND DISCONNECTING CLUSTER RF CONNECTOR**

[54] **MECANISME DE CONNEXION ET DE DECONNEXION D'UN CONNECTEUR RF EN GRAPPE**

[72] URTZ, THOMAS, US
[72] BENN, JEREMY, US
[72] NATOLI, CHRISTOPHER, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027817)
[87] (WO2022/235896)
[30] US (63/184,306) 2021-05-05

[21] **3,217,387**
[13] A1

[51] **Int.Cl. C25B 1/04 (2021.01) H01M 8/083 (2016.01) H01M 8/086 (2016.01) H01M 8/1018 (2016.01) C25B 11/052 (2021.01) C25B 11/065 (2021.01) C25B 11/077 (2021.01) B01J 27/12 (2006.01) C04B 35/553 (2006.01) H01M 8/10 (2016.01)**

[25] EN

[54] **NOVEL OXYFLUORIDES, ELECTRODES CONTAINING THEM AND THEIR USE FOR HYDROGEN PRODUCTION**

[54] **NOUVEAUX OXYFLUORURES, ELECTRODES LES CONTENANT ET LEUR UTILISATION POUR LA PRODUCTION D'HYDROGENE**

[72] LHOSTE, JEROME, FR
[72] KORNIENKO, NIKOLAY, CA
[72] GOHARIBAJESTANI, ZAHRA, GB
[72] MAISONNEUVE, VINCENT, FR
[72] GUIET, AMANDINE, FR
[72] RIBAUD, ANNIE, FR
[72] MOURY, ROMAIN, FR
[72] GALVEN, CYRILLE, FR
[71] UNIVERSITE DU MANS, FR
[71] UNIVERSITE DE MONTREAL, CA
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2023-10-31
[86] 2022-05-06 (PCT/EP2022/062347)
[87] (WO2022/234120)

[21] **3,217,388**
[13] A1

[51] **Int.Cl. A24F 40/53 (2020.01) A24F 40/80 (2020.01)**

[25] EN

[54] **DEVICE AND SYSTEM FOR VALIDATION AND MODIFICATION OF DEVICE STATE TRANSITIONS FOR AN AEROSOL GENERATION DEVICE**

[54] **DISPOSITIF ET SYSTEME DE VALIDATION ET DE MODIFICATION DE TRANSITIONS D'ETAT DE DISPOSITIF POUR UN DISPOSITIF DE GENERATION D'AEROSOL**

[72] GARRIS, ROBERT LOGAN, US
[72] LUKAN, SEAN, US
[72] MARTING, JIM, US
[72] DAUGHERTY, SEAN, US
[72] CARPENTER, AUSTIN, US
[72] MOUGEY, SPENCER, US
[72] ANDERSON, KEITH, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2023-10-31
[86] 2022-05-06 (PCT/US2022/027981)
[87] (WO2022/235993)
[30] US (17/313,051) 2021-05-06

[21] **3,217,389**
[13] A1

[51] **Int.Cl. C09D 11/40 (2014.01) C09D 11/322 (2014.01)**

[25] EN

[54] **INKJET INK SET AND LAMINATE FILM**

[54] **JEU D'ENCRES POUR JET D'ENCRE ET FILM STRATIFIE**

[72] MAEDA, HIROHITO, JP
[72] MORIYASU, KAZUKI, JP
[72] UEDA, ERI, JP
[72] SANO, TAKAAKI, JP
[71] SAKATA INX CORPORATION, JP
[85] 2023-10-31
[86] 2022-03-14 (PCT/JP2022/011166)
[87] (WO2023/276302)
[30] JP (2021-107882) 2021-06-29

PCT Applications Entering the National Phase

[21] **3,217,391**
[13] A1

[25] EN
[54] **FORMULATION OF NOVEL BISPECIFIC ANTI-CD3/CD20 POLYPEPTIDE COMPLEX**
[54] **NOUVELLE FORMULATION DE COMPLEXE POLYPEPTIDIQUE ANTI-CD3/CD20 BISPECIFIQUE**
[72] ZHU, YOUWEI, CN
[72] LI, YINGCHUN, CN
[72] CHENG, YANJU, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2023-10-31
[86] 2021-07-26 (PCT/CN2021/108455)
[87] (WO2022/022464)
[30] CN (202010733597.6) 2020-07-27

[21] **3,217,392**
[13] A1

[51] **Int.Cl. B04B 9/04 (2006.01) B04B 15/02 (2006.01)**
[25] EN
[54] **A CENTRIFUGAL SEPARATOR**
[54] **SEPARATEUR CENTRIFUGE**
[72] HOGLUND, KASPER, SE
[72] ELIASSON, THOMAS, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2023-10-31
[86] 2022-05-06 (PCT/EP2022/062294)
[87] (WO2022/248194)
[30] EP (21176714.0) 2021-05-28

[21] **3,217,393**
[13] A1

[51] **Int.Cl. C07D 487/14 (2006.01) C07D 421/14 (2006.01)**
[25] EN
[54] **RAS INHIBITORS**
[54] **INHIBITEURS DE RAS**
[72] KOLTUN, ELENA S., US
[72] CREGG, JAMES, US
[72] GILL, ADRIAN L., US
[72] KNOX, JOHN E., US
[72] LIU, YANG, US
[72] BURNETT, G. LESLIE, US
[71] REVOLUTION MEDICINES, INC., US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027770)
[87] (WO2022/235864)
[30] US (63/184,599) 2021-05-05

[21] **3,217,395**
[13] A1

[51] **Int.Cl. A61K 8/365 (2006.01) A61K 8/9789 (2017.01) A61K 8/368 (2006.01) A61K 8/44 (2006.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61K 8/55 (2006.01) A61K 8/60 (2006.01) A61K 31/19 (2006.01) A61K 31/191 (2006.01) A61K 31/192 (2006.01) A61K 31/194 (2006.01) A61K 31/198 (2006.01) A61K 31/20 (2006.01) A61K 31/4172 (2006.01) A61K 31/6615 (2006.01) A61K 31/7032 (2006.01) A61K 31/704 (2006.01) A61K 36/28 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **PERSONAL CARE FORMULATIONS**
[54] **FORMULATIONS DE SOINS PERSONNELS**
[72] MOY, MELISSA, US
[72] LESNIAK, EWELINA, US
[72] FABIJANIC, KRISTINA, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2023-10-31
[86] 2022-05-13 (PCT/US2022/029195)
[87] (WO2022/241217)
[30] US (63/201,791) 2021-05-13

[21] **3,217,396**
[13] A1

[51] **Int.Cl. G06V 40/20 (2022.01)**
[25] EN
[54] **SYNCHRONOUS DISPLAY OF QUADRUPED MOTION METRICS**
[54] **AFFICHAGE SYNCHRONE DE PARAMETRES DE MOUVEMENT DE QUADRPEDE**
[72] HERNLUND, ELIN, SE
[72] NYSTROM, AXEL, SE
[71] SLEIP AI AB, SE
[85] 2023-10-31
[86] 2022-05-04 (PCT/EP2022/061997)
[87] (WO2022/233943)
[30] SE (2150575-5) 2021-05-05

[21] **3,217,397**
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/62 (2006.01) C09K 8/68 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **PROPPANT PARTICULATES FORMED FROM DELAYED COKE AND METHODS FOR USING THE SAME**
[54] **PARTICULES D'AGENT DE SOUTENEMENT FORMEES A PARTIR DE COKE A COKEFACTION RETARDEE ET LEURS PROCEDES D'UTILISATION**
[72] SHIRLEY, ROBER M., US
[72] SPIECKER, MATTHEW P., US
[72] GORDON, PETER A., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-10-31
[86] 2022-02-24 (PCT/US2022/070811)
[87] (WO2022/241339)
[30] US (63/186,987) 2021-05-11

[21] **3,217,398**
[13] A1

[51] **Int.Cl. C09K 8/68 (2006.01) C09K 8/80 (2006.01) C09K 8/88 (2006.01) C09K 8/92 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **POLYOLEFIN-COKE COMPOSITE GRANULES AS A HYDRAULIC FRACTURING PROPPANT**
[54] **GRANULES COMPOSITES DE POLYOLEFINE-COKE UTILISES COMME AGENT DE SOUTENEMENT POUR FRACTURATION HYDRAULIQUE**
[72] STOJKOVIC, DRAGAN, US
[72] SHIRLEY, ROBERT M., US
[72] HALL, LEE J., US
[72] DECKER, KENDAL, US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-10-31
[86] 2022-02-23 (PCT/US2022/070776)
[87] (WO2022/241338)
[30] US (63/186,958) 2021-05-11

Demandes PCT entrant en phase nationale

[21] **3,217,399**
[13] A1

[51] **Int.Cl. F04D 29/24 (2006.01) F04D 7/04 (2006.01) F04D 29/22 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SLURRY PUMP IMPELLER SHROUD WITH LIP**
[54] **EPAULEMENT DE ROTOR DE POMPE CENTRIFUGE A BOUE DOTE D'UNE LEVRE**
[72] MOSCOSO LAVAGNA, LUIS, AU
[72] GLAVES, GARRY BRUCE, AU
[72] BOIS, ADRIAN LIONEL, AU
[71] WEIR MINERALS AUSTRALIA LTD, AU
[85] 2023-10-31
[86] 2022-06-24 (PCT/AU2022/050650)
[87] (WO2022/266721)
[30] AU (2021901936) 2021-06-25

[21] **3,217,400**
[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FIBROSIS AND HYPOXIA-ASSOCIATED DAMAGE TO PERIPHERAL NERVES**
[54] **PROCEDES DE TRAITEMENT DE LA FIBROSE ET DE LESIONS ASSOCIEES A L'HYPOXIE A DES NERFS PERIPHERIQUES**
[72] GHOSH, NILABH, CH
[72] GUZMAN, RAPHAEL, CH
[71] TEMPLE THERAPEUTICS BV, NL
[85] 2023-10-31
[86] 2022-05-04 (PCT/IB2022/054134)
[87] (WO2022/234489)
[30] US (63/185,456) 2021-05-07

[21] **3,217,401**
[13] A1

[51] **Int.Cl. A01M 21/04 (2006.01)**
[25] EN
[54] **DEVICE FOR INTRODUCING HIGH VOLTAGE INTO A PLANT**
[54] **DISPOSITIF D'INTRODUCTION DE HAUTE TENSION DANS UNE PLANTE**
[72] COUTINHO FILHO, SERGIO DE ANDRADE, BR
[72] PISARUK, MARCOS, BR
[72] BETIOL, MURILO, BR
[72] RINZLER, GUILHERME PENNA MOREIRA, BR
[72] FREIMANN, CHRISTOPHER, DE
[71] ZASSO GROUP AG, CH
[71] ZASSO BRASIL INDUSTRIA E COMERCIO DE MAQUINAS LTDA., BR
[85] 2023-10-31
[86] 2021-06-09 (PCT/BR2021/050249)
[87] (WO2022/256889)

[21] **3,217,402**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/42 (2006.01)**
[25] EN
[54] **A SYSTEM FOR CELL CULTURING**
[54] **SYSTEME DE CULTURE CELLULAIRE**
[72] PRIIMAGI, ARRI, FI
[72] FEDELE, CHIARA, FI
[72] IHALAINEN, TEEMU, FI
[71] TAMPERE UNIVERSITY FOUNDATION SR, FI
[85] 2023-10-31
[86] 2022-08-24 (PCT/FI2022/050549)
[87] (WO2023/062268)
[30] FI (20217156) 2021-10-13

[21] **3,217,403**
[13] A1

[51] **Int.Cl. C07D 498/10 (2006.01) C07D 471/10 (2006.01) C07D 513/10 (2006.01) C07D 515/10 (2006.01)**
[25] EN
[54] **OREXIN RECEPTOR AGONISTS AND USES THEREOF**
[54] **AGONISTES DU RECEPTEUR DE L'OREXINE ET LEURS UTILISATIONS**
[72] CHOVIATIA, PRAFULKUMAR, GB
[72] BEATO, CLAUDIA, IT
[72] OUVRY, GILLES, GB
[72] MARINELLI, DAVIDE, IE
[71] JAZZ PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2023-10-31
[86] 2022-05-03 (PCT/EP2022/061851)
[87] (WO2022/233872)
[30] US (63/183,321) 2021-05-03

[21] **3,217,404**
[13] A1

[51] **Int.Cl. C12N 15/90 (2006.01)**
[25] EN
[54] **GENE THERAPY FOR THE TREATMENT OF SEVERE COMBINED IMMUNODEFICIENCY (SCID) RELATED TO RAG1**
[54] **THERAPIE GENIQUE POUR LE TRAITEMENT D'UNE IMMUNODEFICIENCE COMBINEE SEVERE (SCID) LIEE A RAG1**
[72] CATHOMEN, TONI, DE
[72] CORNU, TATJANA, DE
[72] KLERMUND, JULIA, DE
[72] RHIEL, MANUEL, DE
[72] ROSITZKA, JULIA, DE
[72] DUCHATEAU, PHILIPPE, FR
[72] JUILLERAT, ALEXANDRE, FR
[71] CELLECTIS S.A., FR
[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE
[85] 2023-10-31
[86] 2022-05-20 (PCT/EP2022/063764)
[87] (WO2022/243531)
[30] DK (PA202170258) 2021-05-20

PCT Applications Entering the National Phase

[21] **3,217,405**
[13] A1

[25] EN
[54] **EPOXY FUNCTIONAL AND PHOSPHOLIPID CONTAINING ADHESION PROMOTERS AND WARM MIX ADDITIVES FOR ASPHALT APPLICATIONS**
[54] **ADDITIFS DE MELANGE CHAUD ET PROMOTEURS D'ADHESION CONTENANT UN MATERIAU A FONCTION EPOXY ET UN PHOSPHOLIPIDE POUR DES APPLICATIONS D'ASPHALTE**
[72] AHN, SUNG, US
[72] CALCANAS, CRISTIAN, US
[72] KURTH, TODD L., US
[72] TABATABAEE, HASSAN ALI, US
[72] ZHOU, YIJUN, US
[71] CARGILL, INCORPORATED, US
[85] 2023-10-31
[86] 2022-05-02 (PCT/US2022/072046)
[87] (WO2022/236247)
[30] US (63/185,014) 2021-05-06

[21] **3,217,406**
[13] A1

[51] **Int.Cl. E05F 3/10 (2006.01) E05D 5/02 (2006.01) E05F 3/12 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE CONTROLLED ROTARY MOVEMENT OF A DOOR, A LEAF OR THE LIKE**
[54] **SYSTEME PERMETTANT LE MOUVEMENT ROTATIF COMMANDE D'UNE PORTE, D'UN BATTANT OU ANALOGUE**
[72] MESAROS, MIHAI, IT
[71] COLCOM GROUP S.R.L., IT
[85] 2023-10-31
[86] 2022-05-05 (PCT/IB2022/054145)
[87] (WO2022/234499)
[30] IT (102021000011666) 2021-05-06
[30] IT (102021000011669) 2021-05-06
[30] IT (102021000011678) 2021-05-06

[21] **3,217,407**
[13] A1

[51] **Int.Cl. C25B 13/07 (2021.01) C25B 9/19 (2021.01) C25B 11/051 (2021.01) C25B 11/061 (2021.01) C25B 11/077 (2021.01) C25B 1/04 (2021.01) C25B 13/08 (2006.01)**
[25] FR
[54] **ION-CONDUCTING MEMBRANE AND METHOD FOR PRODUCING SUCH A MEMBRANE**
[54] **MEMBRANE CONDUCTRICE IONIQUE, PROCEDE DE FABRICATION D'UNE TELLE MEMBRANE, CELLULE COMPRENANT UNE TELLE MEMBRANE ET INSTALLATION COMPRENANT UNE TELLE CELLULE**
[72] MOFAKAMI, ARASH, FR
[71] GEN-HY CUBE, FR
[85] 2023-10-31
[86] 2021-05-27 (PCT/IB2021/054663)
[87] (WO2022/234327)
[30] FR (FR2104716) 2021-05-04

[21] **3,217,408**
[13] A1

[51] **Int.Cl. A61K 47/14 (2017.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING NEUROENDOCRINE TUMORS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TUMEURS NEUROENDOCRINES**
[72] TIBERG, FREDRIK, SE
[71] CAMURUS AB, SE
[85] 2023-10-31
[86] 2022-04-26 (PCT/SE2022/050404)
[87] (WO2022/235186)
[30] SE (2130118-9) 2021-05-04

[21] **3,217,409**
[13] A1

[51] **Int.Cl. C21B 13/00 (2006.01) C22B 1/16 (2006.01) C22B 1/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AGGLOMERATED ORE, METHOD FOR PRODUCING REDUCED IRON, AGGLOMERATED ORE, SINTERING MACHINE AND PELLET FIRING FURNACE**
[54] **PROCEDE DE PRODUCTION DE MINERAI AGGLOMERE, PROCEDE DE PRODUCTION DE FER REDUIT, MINERAI AGGLOMERE, MACHINE DE FRITTAGE ET FOUR DE CUISSON DE GRANULES**
[72] MORIYA, KOTA, JP
[72] TERUI, KOKI, JP
[72] OZAWA, SUMITO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2023-10-31
[86] 2022-04-08 (PCT/JP2022/017432)
[87] (WO2022/264667)
[30] JP (2021-101097) 2021-06-17

[21] **3,217,410**
[13] A1

[51] **Int.Cl. A23F 5/32 (2006.01) A23L 2/14 (2006.01)**
[25] EN
[54] **SOLUBLE COFFEE POWDER**
[54] **POUDRE DE CAFE SOLUBLE**
[72] KESSLER, ULRICH, CH
[72] FU, XIAOPING, US
[72] CARTIER, JEREMIE, CH
[72] DUPAS, JULIEN, CH
[72] LIMBACH, HANS JORG WERNER, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2023-10-31
[86] 2022-06-14 (PCT/EP2022/066192)
[87] (WO2022/268577)
[30] EP (21180497.6) 2021-06-21

Demandes PCT entrant en phase nationale

[21] **3,217,411**
[13] A1

[51] **Int.Cl. H05K 3/04 (2006.01)**
[25] EN
[54] **AN IMPROVED ROLL-TO-ROLL PROCESSING METHOD AND AN OBJECT**
[54] **PROCEDE ROULEAU A ROULEAU AMELIORE ET OBJET**
[72] HIETALA, MIKKO, FI
[72] KOLOLUOMA, TERHO, FI
[72] HUTTUNEN, ARTTU, FI
[71] THE WARMING SURFACES COMPANY OY, FI
[85] 2023-10-31
[86] 2022-05-03 (PCT/FI2022/050291)
[87] (WO2022/234189)
[30] FI (20215517) 2021-05-04

[21] **3,217,412**
[13] A1

[51] **Int.Cl. A24F 40/80 (2020.01) G06Q 20/20 (2012.01) G06F 21/31 (2013.01) A24F 40/49 (2020.01) A24F 40/50 (2020.01) A24F 40/53 (2020.01)**
[25] EN
[54] **METHOD FOR VALIDATION AND MODIFICATION OF DEVICE STATE TRANSITIONS FOR AN AEROSOL GENERATION DEVICE**
[54] **PROCEDE DE VALIDATION ET DE MODIFICATION DE TRANSITIONS D'ETAT DE DISPOSITIF POUR UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] GARRIS, ROBERT LOGAN, US
[72] LUKAN, SEAN, US
[72] MARTING, JIM, US
[72] DAUGHERTY, SEAN, US
[72] CARPENTER, AUSTIN, US
[72] MOUGEY, SPENCER, US
[72] ANDERSON, KEITH, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2023-10-31
[86] 2022-05-06 (PCT/US2022/027989)
[87] (WO2022/235995)
[30] US (17/313,059) 2021-05-06

[21] **3,217,413**
[13] A1

[51] **Int.Cl. A61P 1/16 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING LIVER FAT AND FOR TREATING FATTY LIVER DISORDERS**
[54] **PROCEDES DE REDUCTION DE LA GRAISSE HEPATIQUE ET DE TRAITEMENT DE TROUBLES HEPATIQUES GRAS**
[72] LEE, ADA, US
[72] GRAUER, ANDREAS, US
[72] BELANOFF, JOSEPH, US
[71] INCEPT THERAPEUTICS INCORPORATED, US
[85] 2023-10-31
[86] 2022-05-03 (PCT/US2022/027442)
[87] (WO2022/235647)
[30] US (63/184,694) 2021-05-05
[30] US (63/244,116) 2021-09-14
[30] US (63/271,861) 2021-10-26

[21] **3,217,414**
[13] A1

[25] EN
[54] **UNWINDING SYSTEM, ASSEMBLY AND METHOD FOR UNWINDING A TIRE COMPONENT FROM A STOCK REEL**
[54] **SYSTEME DE DEROULEMENT, ENSEMBLE ET PROCEDE DE DEROULEMENT D'UN COMPOSANT DE PNEU A PARTIR D'UNE BOBINE DE RESERVE**
[72] VISSER, RUBEN, NL
[72] SLOTS, ANTONIE, NL
[72] SCHERPENHUIZEN, HERMAN SEBASTIAAN, NL
[71] VMI HOLLAND B.V., NL
[85] 2023-10-31
[86] 2022-05-09 (PCT/NL2022/050250)
[87] (WO2022/250529)
[30] NL (2028312) 2021-05-27
[30] NL (2028310) 2021-05-27

[21] **3,217,415**
[13] A1

[51] **Int.Cl. A63B 57/20 (2015.01)**
[25] EN
[54] **APPARATUS FOR MEASURING PROPERTIES OF GOLF PUTTING SURFACE**
[54] **APPAREIL POUR MESURER DES PROPRIETES DE SURFACE DE PUTTING DE GOLF**
[72] HUBBELL, JAMES E., US
[72] MINGAY, SCOTT A., US
[72] PRINGLE, MATTHEW M., US
[72] STATES, STEPHEN U., US
[71] UNITED STATES GOLF ASSOCIATION, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027859)
[87] (WO2022/235924)
[30] US (63/184,390) 2021-05-05

[21] **3,217,416**
[13] A1

[51] **Int.Cl. B65G 29/02 (2006.01) B65G 35/08 (2006.01) B65G 47/57 (2006.01) B65G 25/08 (2006.01)**
[25] EN
[54] **TRANSPORT APPARATUS AND METHOD FOR AUTOMATICALLY TRANSPORTING OBJECTS, SUCH AS SMOKING ARTICLES, OR THEIR COMPONENTS**
[54] **APPAREIL ET PROCEDE DE TRANSPORT POUR TRANSPORTER AUTOMATIQUEMENT DES OBJETS TELS QUE DES ARTICLES A FUMER OU LEURS COMPOSANTS**
[72] DRAGHETTI, FIORENZO, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2023-10-31
[86] 2022-05-20 (PCT/IT2022/050141)
[87] (WO2022/244032)
[30] IT (102021000013214) 2021-05-20

PCT Applications Entering the National Phase

[21] **3,217,417**
[13] A1

[51] **Int.Cl. A61K 47/55 (2017.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **COMPOUNDS FOR TARGETING DEGRADATION OF BRUTON'S TYROSINE KINASE**

[54] **COMPOSES DESTINES A CIBLER LA DEGRADATION DE LA TYROSINE KINASE DE BRUTON**

[72] GUCKIAN, KEVIN M., US

[72] STEFAN, ERIC, US

[72] ANDERSON, COREY DON, US

[72] AHN, JAE YOUNG, US

[72] O'SHEA, MORGAN WELZEL, US

[72] YAP, JEREMY L., US

[72] CHENG, XINPENG, US

[72] HOPKINS, BRIAN T., US

[72] MARX, ISAAC, US

[72] NEVALAINEN, MARTA, US

[71] BIOGEN MA INC., US

[71] C4 THERAPEUTICS, INC., US

[85] 2023-10-31

[86] 2022-05-05 (PCT/US2022/027888)

[87] (WO2022/235945)

[30] US (63/184,439) 2021-05-05

[21] **3,217,418**
[13] A1

[51] **Int.Cl. F01B 31/14 (2006.01) F02B 53/04 (2006.01) F02B 55/08 (2006.01) F02B 55/14 (2006.01)**

[25] FR

[54] **ROTARY COMBUSTION ENGINE AND ASSOCIATED COMBUSTION METHOD**

[54] **MOTEUR A EXPLOSION ROTATIF ET PROCEDE DE COMBUSTION ASSOCIE**

[72] KERRACHE, LAHCENE, FR

[71] KERRACHE, LAHCENE, FR

[85] 2023-10-31

[86] 2022-06-07 (PCT/IB2022/055298)

[87] (WO2022/259147)

[30] FR (FR2105973) 2021-06-07

[21] **3,217,421**
[13] A1

[51] **Int.Cl. C07D 413/12 (2006.01)**

[25] EN

[54] **MODULATORS OF TREX1**

[54] **MODULATEURS DE TREX1**

[72] LEVELL, JULIAN R., US

[72] COFFIN, AARON, US

[72] KHANNA, AVINASH, US

[72] WILSON, JONATHAN E., US

[71] CONSTELLATION PHARMACEUTICALS, INC., US

[85] 2023-10-31

[86] 2022-05-04 (PCT/US2022/027571)

[87] (WO2022/235725)

[30] US (63/184,460) 2021-05-05

[21] **3,217,422**
[13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06F 9/455 (2018.01)**

[25] EN

[54] **ATTESTATION OF A SECURE GUEST**

[54] **ATTESTATION D'UN INVITE SECURISE**

[72] BUENDGEN, REINHARD, DE

[72] BRADBURY, JONATHAN, US

[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US

[85] 2023-10-31

[86] 2022-08-03 (PCT/EP2022/071774)

[87] (WO2023/012201)

[30] US (17/395,053) 2021-08-05

[21] **3,217,423**
[13] A1

[51] **Int.Cl. C07D 205/04 (2006.01) A61P 25/28 (2006.01) C07D 401/10 (2006.01) C07D 401/14 (2006.01) C07D 403/10 (2006.01)**

[25] EN

[54] **AZETIDINYL COMPOUNDS COMPRISING A CARBOXYLIC ACID GROUP FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES**

[54] **COMPOSES AZETIDINYLES COMPRENANT UN GROUPE ACIDE CARBOXYLIQUE POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**

[72] SCHKERYANTZ, JEFFREY M., US

[72] WORM, KARIN, US

[72] MA, RULIN, US

[72] PAPA, PATRICK W., US

[71] CELGENE CORPORATION, US

[85] 2023-10-31

[86] 2022-06-15 (PCT/US2022/033523)

[87] (WO2022/266162)

[30] US (63/211,313) 2021-06-16

[21] **3,217,424**
[13] A1

[25] EN

[54] **A WALL FOR A FURNACE, A REFRACTORY BRICK FOR A WALL FOR A FURNACE, A FURNACE, A FASTENING SYSTEM, A METHOD FOR FASTENING A REFRACTORY BRICK IN A GROOVE, AND A METHOD OF MANUFACTURING A WALL FOR A FURNACE**

[54] **PAROI POUR FOUR, BRIQUE REFRACTAIRE POUR PAROI D'UN FOUR, FOUR, SYSTEME DE FIXATION, PROCEDE DE FIXATION D'UNE BRIQUE REFRACTAIRE DANS UNE RAINURE ET PROCEDE DE FABRICATION D'UNE PAROI POUR UN FOU**

[72] ZIVANOVIC, BOJAN, AT

[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT

[85] 2023-10-31

[86] 2022-05-31 (PCT/EP2022/064742)

[87] (WO2022/253825)

[30] EP (21177132.4) 2021-06-01

Demandes PCT entrant en phase nationale

[21] **3,217,425**
[13] A1

[51] **Int.Cl. B28B 11/24 (2006.01)**
[25] EN
[54] **CERAMIC COMPOSITE**
[54] **COMPOSITE CERAMIQUE**
[72] STEINMETZ, MOSHE, US
[71] SHILDAN, INC., US
[85] 2023-10-31
[86] 2021-05-04 (PCT/US2021/030598)
[87] (WO2022/235257)

[21] **3,217,426**
[13] A1

[51] **Int.Cl. C12N 15/90 (2006.01)**
[25] EN
[54] **MULTIPLEXED UNBIASED NUCLEIC ACID AMPLIFICATION METHOD**
[54] **PROCEDE D'AMPLIFICATION D'ACIDE NUCLEIQUE SANS BIAIS MULTIPLEXE**
[72] GODINEZ, ALVARO, US
[72] FULCHER, ROBERT AUBREY, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2023-10-31
[86] 2022-05-12 (PCT/US2022/029023)
[87] (WO2022/241135)
[30] US (63/189,021) 2021-05-14
[30] US (63/243,449) 2021-09-13

[21] **3,217,431**
[13] A1

[51] **Int.Cl. B32B 1/08 (2006.01) B65D 3/04 (2006.01)**
[25] EN
[54] **CONTAINER FOR STACKED FOOD PRODUCTS**
[54] **CONTENANT POUR PRODUITS ALIMENTAIRES EMPILES**
[72] BRENKUS, FRANK M., US
[72] MEYER, ERIC, US
[72] MALDONADO, JORGE, US
[72] AVIS, BENJAMIN ADAM, US
[72] RODRIGUEZ, MAXIMILLIANO, US
[72] BHAT, ADVAIT, US
[72] TEOBALDO, EMANUELE, US
[71] FRITO-LAY NORTH AMERICA INC., US
[85] 2023-10-31
[86] 2022-05-09 (PCT/US2022/028273)
[87] (WO2022/240719)
[30] US (17/316,218) 2021-05-10

[21] **3,217,432**
[13] A1

[51] **Int.Cl. C08G 18/75 (2006.01) C08G 18/24 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C08G 18/34 (2006.01) C08G 18/67 (2006.01) C08G 18/73 (2006.01)**
[25] EN
[54] **POWDER COATING AND CRYSTALLINE DONOR AND/OR ACCEPTOR**
[54] **REVETEMENT EN POUDRE ET DONNEUR ET/OU ACCEPTEUR CRISTALLIN**
[72] BRINKHUIS, RICHARD HENDRIKUS GERRIT, NL
[72] YANG, PENGCHENG, NL
[71] ALLNEX NETHERLANDS B.V., NL
[85] 2023-10-31
[86] 2022-07-05 (PCT/EP2022/068512)
[87] (WO2023/280809)
[30] EP (21183713.3) 2021-07-05

[21] **3,217,435**
[13] A1

[51] **Int.Cl. B60L 3/00 (2019.01) B60L 50/60 (2019.01) B60L 58/18 (2019.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **POWER SUPPLY CONTROL SYSTEM AND INDUSTRIAL VEHICLE**
[54] **SYSTEME DE COMMANDE D'ALIMENTATION EN ENERGIE ET VEHICULE INDUSTRIEL**
[72] SATO, TAKUYA, JP
[72] MARUYAMA, HITOSHI, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[85] 2023-10-31
[86] 2022-03-23 (PCT/JP2022/013723)
[87] (WO2022/264602)
[30] JP (2021-098477) 2021-06-14

[21] **3,217,437**
[13] A1

[51] **Int.Cl. C07D 277/22 (2006.01) C07D 403/04 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **SMALL MOLECULAR INHIBITORS OF STING SIGNALING COMPOSITIONS AND METHODS OF USE**
[54] **PETITS INHIBITEURS MOLECULAIRES DE COMPOSITIONS DE SIGNALISATION STING ET METHODES D'UTILISATION**
[72] BARBER, GLEN, US
[71] STINGINN INC, US
[85] 2023-10-31
[86] 2022-05-18 (PCT/US2022/029891)
[87] (WO2022/245986)
[30] US (63/190,575) 2021-05-19
[30] US (63/343,081) 2022-05-17

[21] **3,217,439**
[13] A1

[51] **Int.Cl. B32B 3/08 (2006.01) C09J 7/20 (2018.01) B32B 3/28 (2006.01) B32B 5/02 (2006.01) B32B 15/085 (2006.01) B32B 15/088 (2006.01) B32B 15/09 (2006.01) B32B 15/14 (2006.01) B32B 15/20 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) E04F 15/18 (2006.01) F24D 13/02 (2006.01)**
[25] EN
[54] **STUDED MEMBRANE FOR UNDERFLOOR HEATING, WITH ADHESIVE CURB**
[54] **MEMBRANE A PLOTS POUR CHAUFFAGE AU SOL, A BORDURE ADHESIVE**
[72] CAIS, FEDERICO, IT
[72] BUSATTA, NICOLA, IT
[72] VIEL, GIOVANNI, IT
[71] TEMA - TECHNOLOGIES AND MATERIALS SRL, IT
[85] 2023-10-31
[86] 2022-05-03 (PCT/IB2022/054060)
[87] (WO2022/234442)
[30] IT (102021000011699) 2021-05-07

PCT Applications Entering the National Phase

[21] **3,217,440**
[13] A1

[25] EN
[54] **BIRDCAGE RESONATOR FOR HIGH RESOLUTION NMR APPLICATIONS**
[54] **RESONATEUR EN CAGE D'OISEAU POUR APPLICATIONS RMN A HAUTE RESOLUTION**
[72] KESSLER, KLEMENS, CH
[71] QUAD SYSTEMS AG, CH
[85] 2023-10-31
[86] 2022-05-17 (PCT/EP2022/063282)
[87] (WO2022/243291)
[30] EP (21174905.6) 2021-05-20

[21] **3,217,441**
[13] A1

[25] EN
[54] **ANALYTE DETECTION CARTRIDGE AND METHODS OF USE THEREOF**
[54] **CARTOUCHE DE DETECTION D'ANALYTE ET SES PROCEDES D'UTILISATION**
[72] KIM, ROBIN JIWOONG, US
[72] AGARWAL, ABHISHEK K., US
[72] BUTZLER, MATTHEW AUSTIN, US
[72] KELSO, DAVID M., US
[72] MCFALL, SALLY M., US
[72] WESTBERG, TOM, US
[72] REED, JENNIFER LYNN, US
[72] BERLAND, KERRY, US
[71] NORTHWESTERN UNIVERSITY, US
[71] MINUTE MOLECULAR DIAGNOSTICS, INC., US
[85] 2023-10-31
[86] 2022-04-27 (PCT/US2022/026547)
[87] (WO2022/232281)
[30] US (63/180,270) 2021-04-27
[30] US (63/274,332) 2021-11-01
[30] US (63/289,481) 2021-12-14
[30] US (63/304,034) 2022-01-28

[21] **3,217,442**
[13] A1

[51] **Int.Cl. F26B 3/06 (2006.01) F26B 13/16 (2006.01) F26B 21/04 (2006.01) F26B 23/02 (2006.01)**
[25] EN
[54] **THROUGH-AIR APPARATUS TO REDUCE INFILTRATION OF AMBIENT AIR**
[54] **APPAREIL A AIR TRAVERSANT POUR REDUIRE L'INFILTRATION D'AIR AMBIANT**
[72] SHEKHTER, MIKHAIL Y., US
[72] MILLER, ROBERT H. III, US
[71] VALMET AB, SE
[85] 2023-10-31
[86] 2022-03-22 (PCT/IB2022/000145)
[87] (WO2022/254252)
[30] US (17/335,365) 2021-06-01

[21] **3,217,444**
[13] A1

[51] **Int.Cl. B63H 21/17 (2006.01) B63H 23/32 (2006.01) F16C 39/06 (2006.01)**
[25] EN
[54] **DRIVE DEVICE FOR DRIVING A WATERCRAFT**
[54] **DISPOSITIF DE PROPULSION POUR PROPULSER UN VEHICULE AQUATIQUE**
[72] FIELERS, FRANK, DE
[71] ROSEN 2 HOLDING AG, CH
[85] 2023-10-31
[86] 2022-05-03 (PCT/EP2022/061849)
[87] (WO2022/233871)
[30] DE (DE 10 2021 111 401.2) 2021-05-03

[21] **3,217,446**
[13] A1

[51] **Int.Cl. B01F 23/23 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF GAS INFUSION FOR WASTEWATER TREATMENT**
[54] **SYSTEMES ET METHODES D'INFUSION DE GAZ POUR LE TRAITEMENT DES EAUX USEES**
[72] MACKENZIE, MARK MAX, US
[72] CAMPBELL, DAVID WADE, US
[71] PROSPER TECHNOLOGIES, LLC, US
[85] 2023-10-31
[86] 2022-05-03 (PCT/US2022/027434)
[87] (WO2022/235641)
[30] US (63/184,906) 2021-05-06
[30] US (63/214,000) 2021-06-23

[21] **3,217,447**
[13] A1

[51] **Int.Cl. C22B 5/02 (2006.01) C22B 1/02 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING VALUABLE METAL**
[54] **PROCEDE DE PRODUCTION D'UN METAL VALORISABLE**
[72] HAGIO, TOMOYA, JP
[72] YAMASHITA, YU, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2023-10-31
[86] 2022-03-14 (PCT/JP2022/011406)
[87] (WO2022/239454)
[30] JP (2021-081039) 2021-05-12

[21] **3,217,448**
[13] A1

[51] **Int.Cl. B29C 64/10 (2017.01) B29C 64/106 (2017.01)**
[25] EN
[54] **POLYMERIC ADDITIVE MANUFACTURING AND OPHTHALMIC LENSES FORMED THEREBY**
[54] **FABRICATION ADDITIVE POLYMERES ET LENTILLES OPHTHALMIQUES AINSI FORMEES**
[72] MARTIN, W. ANTHONY, US
[72] KUMAR, GANESH NARAYANAN, US
[72] PUGH, RANDALL, US
[71] ATHENEUM OPTICAL SCIENCES, LLC, US
[85] 2023-10-31
[86] 2022-12-02 (PCT/US2022/051600)
[87] (WO2023/149944)
[30] US (63/306,472) 2022-02-03
[30] US (63/356,583) 2022-06-29
[30] US (17/984,103) 2022-11-09

Demandes PCT entrant en phase nationale

[21] **3,217,449**
[13] A1

[25] EN
[54] **DEVICE FOR SAFELY SECTIONING BIOLOGICAL TISSUES**
[54] **DISPOSITIF POUR SECTIONNER EN TOUTE SECURITE DES TISSUS BIOLOGIQUES**

[72] ORTEGA QUIJANO, NOE, ES
[72] RUBIO ZAMORA, OLIVER, ES
[72] LAGUARDIA ARRAIZA, JAVIER, ES
[72] ARREGUI ALTUNA, JUAN, ES
[72] SACRISTAN GONZALEZ, PABLO, ES

[71] DENEK MEDICAL, S.L., ES
[85] 2023-10-31
[86] 2021-05-07 (PCT/ES2021/070319)
[87] (WO2022/234161)

[21] **3,217,450**
[13] A1

[51] **Int.Cl. A01H 6/46 (2018.01) A01H 5/10 (2018.01) A01H 5/12 (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 JURGEN, DE
[72] STIRNWEIS, DANIEL FABIAN, DE
[72] BETTGENHAUSER, JAN, DE
[71] KWS SAAT SE & CO. KGAA, DE
[85] 2023-10-31
[86] 2022-06-22 (PCT/EP2022/066971)
[87] (WO2022/268862)
[30] EP (21180996.7) 2021-06-22

[21] **3,217,451**
[13] A1

[51] **Int.Cl. B60L 53/35 (2019.01) B60L 53/36 (2019.01)**

[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING A POSITION AND ORIENTATION OF A SOCKET OF AN ELECTRIC VEHICLE**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION D'UNE POSITION ET ORIENTATION D'UNE PRISE D'UN VEHICULE ELECTRIQUE**

[72] VAN DEURZEN, KANTER, NL
[72] VAN DER WEIJDE, JOHANNES OOSTEN, NL

[71] ROCSYS B.V., NL
[85] 2023-10-31
[86] 2022-05-06 (PCT/EP2022/062233)
[87] (WO2022/234059)
[30] NL (N2028169) 2021-05-06

[21] **3,217,452**
[13] A1

[51] **Int.Cl. A61K 31/415 (2006.01) C07C 55/14 (2006.01) C07C 61/06 (2006.01) C07D 231/38 (2006.01)**

[25] EN
[54] **COCRYSTALLINE FORMS OF A BRUTON'S TYROSINE KINASE INHIBITOR**
[54] **FORMES COCRISTALLINES D'UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**

[72] COATES, DAVID ANDREW, US
[72] HILDEN, LORI RAQUEL, US
[71] LOXO ONCOLOGY, INC., US
[85] 2023-10-31
[86] 2022-05-11 (PCT/US2022/028663)
[87] (WO2022/240920)
[30] US (63/188,747) 2021-05-14

[21] **3,217,453**
[13] A1

[51] **Int.Cl. B23K 9/095 (2006.01) B23K 9/12 (2006.01) B23K 31/00 (2006.01) B25J 13/00 (2006.01)**

[25] EN
[54] **WELDING APPARATUS AND TEMPERATURE MEASURING APPARATUS**
[54] **APPAREIL DE SOUDAGE ET APPAREIL DE MESURE DE TEMPERATURE**

[72] SAKURAI, YASUHARU, JP
[72] TAKEMURA, YOSHIYA, JP
[72] TAKADA, SHIGETO, JP
[72] FUKUNAGA, ATSUSHI, JP
[72] FUJIMOTO, TAISEI, JP

[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2023-10-19
[86] 2022-03-25 (PCT/JP2022/014702)
[87] (WO2022/224713)
[30] JP (2021-071102) 2021-04-20

[21] **3,217,454**
[13] A1

[51] **Int.Cl. B01J 20/24 (2006.01) G21F 9/02 (2006.01) G21F 9/12 (2006.01)**

[25] EN
[54] **METHOD FOR TREATING TRITIUM AS WASTE FROM NUCLEAR OPERATIONS**
[54] **PROCEDE DE TRAITEMENT DU TRITIUM COMME RESIDU PROVENANT D'OPERATIONS NUCLEAIRES**

[72] GRAU GIRONA, RAMON, ES
[72] D'ACIERNO, FRANCESCO, IT
[71] NUCLEANTECH, S.L., ES
[85] 2023-10-31
[86] 2022-05-18 (PCT/ES2022/070307)
[87] (WO2022/248749)
[30] ES (P202130480) 2021-05-27

PCT Applications Entering the National Phase

[21] **3,217,455**
[13] A1

[51] **Int.Cl. A61L 27/22 (2006.01) A61L 27/36 (2006.01) A61L 27/52 (2006.01)**
[25] EN
[54] **USE OF FUNCTIONALIZED AND NON-FUNCTIONALIZED ECMS, ECM FRAGMENTS, PEPTIDES AND BIOACTIVE COMPONENTS TO CREATE CELL ADHESIVE 3D PRINTED OBJECTS**
[54] **UTILISATION D'ECMS FONCTIONNALISES ET NON FONCTIONNALISES, DE FRAGMENTS ECM, DE PEPTIDES ET DE COMPOSANTS BIOACTIFS POUR CREER DES OBJETS IMPRIMES EN 3D ADHESIFS CELLULAIRES**
[72] KAUR, AMAN, US
[72] HERNANDEZ, VICTOR, US
[72] NSIAH, BARBARA, US
[72] ARIAS, ISABEL, US
[72] ALVAREZ, LUIS, US
[71] LUNG BIOTECHNOLOGY PBC, US
[85] 2023-10-31
[86] 2022-05-06 (PCT/US2022/028080)
[87] (WO2022/236061)
[30] US (63/185,293) 2021-05-06

[21] **3,217,456**
[13] A1

[25] EN
[54] **MULTITARGETING RNA COMPOSITIONS**
[54] **COMPOSITIONS D'ARN A CIBLAGE MULTIPLE**
[72] MOUSSES, SPYRO, US
[72] AZORSA, DAVID, US
[72] FELDHEIM, DANIEL, US
[72] HEIL, JAMES, US
[72] TRAN, NECKY, CA
[72] PENNER, GREGORY ALLEN, CA
[71] SYSTEMS ONCOLOGY, LLC, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027932)
[87] (WO2022/235976)
[30] US (63/185,359) 2021-05-06
[30] US (63/231,234) 2021-08-09
[30] US (63/242,865) 2021-09-10
[30] US (63/250,548) 2021-09-30
[30] US (63/287,037) 2021-12-07
[30] US (63/287,040) 2021-12-07
[30] US (63/323,997) 2022-03-25

[21] **3,217,457**
[13] A1

[25] EN
[54] **MULTITARGETING RNA IMMUNOTHERAPY COMPOSITIONS**
[54] **COMPOSITIONS D'IMMUNOTHERAPIE D'ARN A CIBLAGE MULTIPLE**
[72] MOUSSES, SPYRO, US
[72] AZORSA, DAVID, US
[72] FELDHEIM, DANIEL, US
[72] HEIL, JAMES, US
[72] TRAN, NECKY, CA
[72] PENNER, GREGORY ALLEN, CA
[71] SYSTEMS ONCOLOGY, LLC, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027902)
[87] (WO2022/235957)
[30] US (63/185,359) 2021-05-06
[30] US (63/231,234) 2021-08-09
[30] US (63/242,865) 2021-09-10
[30] US (63/250,548) 2021-09-30
[30] US (63/287,037) 2021-12-07
[30] US (63/287,040) 2021-12-07
[30] US (63/323,997) 2022-03-25

[21] **3,217,458**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) C07K 16/30 (2006.01)**
[25] EN
[54] **SIRNA CONSTRUCTS FOR INHIBITING GENE EXPRESSION IN TARGETED CANCER CELLS**
[54] **CONSTRUCTIONS D'ARN SI POUR INHIBER L'EXPRESSION GENIQUE DANS DES CELLULES CANCEREUSES CIBLEES**
[72] MOUSSES, SPYRO, US
[72] AZORSA, DAVID, US
[72] FELDHEIM, DANIEL, US
[72] HEIL, JAMES, US
[72] TRAN, NECKY, CA
[72] PENNER, GREGORY ALLEN, CA
[71] SYSTEMS ONCOLOGY, LLC, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027930)
[87] (WO2022/235975)
[30] US (63/185,359) 2021-05-06
[30] US (63/231,234) 2021-08-09
[30] US (63/242,865) 2021-09-10
[30] US (63/250,548) 2021-09-30
[30] US (63/287,037) 2021-12-07
[30] US (63/287,040) 2021-12-07
[30] US (63/323,997) 2022-03-25

[21] **3,217,459**
[13] A1

[25] EN
[54] **COMPOSITIONS FOR INHIBITING GROWTH OF TARGETED CELLS**
[54] **COMPOSITIONS POUR INHIBER LA CROISSANCE DE CELLULES CIBLEES**
[72] MOUSSES, SPYRO, US
[72] AZORSA, DAVID, US
[72] FELDHEIM, DANIEL, US
[72] HEIL, JAMES, US
[72] TRAN, NECKY, CA
[72] PENNER, GREGORY ALLEN, CA
[71] SYSTEMS ONCOLOGY, LLC, US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027925)
[87] (WO2022/235971)
[30] US (63/185,359) 2021-05-06
[30] US (63/231,234) 2021-08-09
[30] US (63/242,865) 2021-09-10
[30] US (63/250,548) 2021-09-30
[30] US (63/287,037) 2021-12-07
[30] US (63/287,040) 2021-12-07
[30] US (63/323,997) 2022-03-25

[21] **3,217,460**
[13] A1

[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING A PREMATURE TERMINATION CODON-MEDIATED DISORDER**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UN TROUBLE MEDIE PAR UN CODON D'ARRET PREMATURE**
[72] EIMON, PETER M., US
[72] MCFARLAND, SEAN, US
[71] TEVARD BIOSCIENCES, INC., US
[85] 2023-10-31
[86] 2022-05-05 (PCT/US2022/027765)
[87] (WO2022/235861)
[30] US (63/184,514) 2021-05-05

Demandes PCT entrant en phase nationale

[21] **3,217,461**
[13] A1

[51] **Int.Cl. E06B 9/32 (2006.01)**
[25] EN
[54] **EXTERNAL MOTOR DRIVE SYSTEM ADJUSTING FOR CREEP IN WINDOW COVERING SYSTEM WITH CONTINUOUS CORD LOOP**

[54] **SYSTEME D'ENTRAINEMENT PAR MOTEUR EXTERNE, TENANT COMPTE DU FLUAGE D'UN SYSTEME DE RECOUVREMENT DE FENETRE A BOUCLE DE CORDON CONTINU**

[72] PHAM, TRUNG, CA
[72] BISHARA, MARC, CA
[71] RYSE INC., CA
[85] 2023-10-31
[86] 2022-02-28 (PCT/CA2022/050285)
[87] (WO2022/236399)
[30] US (17/318,791) 2021-05-12

[21] **3,217,462**
[13] A1

[51] **Int.Cl. H01F 41/02 (2006.01) H01F 41/16 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PLANAR STRUCTURE, AND DEVICE**

[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE PLANE ET DISPOSITIF**

[72] DENNELER, STEFAN, DE
[72] SCHUH, CARSTEN, DE
[72] SOLLER, THOMAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2023-10-31
[86] 2022-03-10 (PCT/EP2022/056212)
[87] (WO2022/233480)
[30] EP (21172177.4) 2021-05-05

[21] **3,217,463**
[13] A1

[51] **Int.Cl. A61K 47/64 (2017.01) C07K 7/64 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODULATING MRNA SPLICING**

[54] **COMPOSITIONS ET PROCEDES DE MODULATION DE L'EPISSAGE D'ARNM**

[72] QIAN, ZIQING, US
[72] SETHURAMAN, NATARAJAN, US
[72] SHEN, XIULONG, US
[72] LIU, HAOMING, US
[72] LI, XIANG, US
[71] ENTRADA THERAPEUTICS, INC., US
[85] 2023-10-31
[86] 2022-05-09 (PCT/US2022/028357)
[87] (WO2022/240760)
[30] US (63/186,664) 2021-05-10
[30] US (63/210,866) 2021-06-15
[30] US (63/210,882) 2021-06-15
[30] US (63/239,671) 2021-09-01
[30] US (63/298,587) 2022-01-11
[30] US (63/318,201) 2022-03-09
[30] US (63/321,921) 2022-03-21
[30] US (63/362,295) 2022-03-31

[21] **3,217,464**
[13] A1

[51] **Int.Cl. H04Q 5/24 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD, OUTDOOR UNIT, INDOOR UNIT AND COMPUTER-READABLE STORAGE MEDIUM**

[54] **PROCEDE DE TRAITEMENT DE DONNEES, UNITE EXTERIEURE, UNITE INTERIEURE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**

[72] LI, CUI, CN
[71] ZTE CORPORATION, CN
[85] 2023-11-01
[86] 2022-04-13 (PCT/CN2022/086672)
[87] (WO2022/252836)
[30] CN (202110607747.3) 2021-06-01

[21] **3,217,465**
[13] A1

[51] **Int.Cl. G01N 33/28 (2006.01) E21B 49/08 (2006.01) G01N 30/02 (2006.01) G01N 30/72 (2006.01) G01N 30/84 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **HIGH-RESOLUTION AGE DIFFERENTIATION OF JURASSIC-SOURCED OILS ACROSS THE NORTH ATLANTIC MARGINS**

[54] **DIFFERENCIATION D'AGE A HAUTE RESOLUTION D'HUILES D'ORIGINE JURASSIQUE A TRAVERS LES MARGES DE L'ATLANTIQUE NORD**

[72] ZHU, CHUN, US
[72] DUMITRESCU, MIRELA, US
[72] DAVIS, CARA L., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2023-11-01
[86] 2022-04-19 (PCT/US2022/025337)
[87] (WO2022/235427)
[30] US (63/201,622) 2021-05-06

[21] **3,217,467**
[13] A1

[51] **Int.Cl. B01D 61/44 (2006.01) C25B 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CAPTURING CARBON DIOXIDE AND REGENERATING A CAPTURE SOLUTION**

[54] **SYSTEMES ET PROCEDES POUR CAPTURER DU DIOXYDE DE CARBONE ET REGENERER UNE SOLUTION DE CAPTURE**

[72] OSTERICHER, ANDREW LOGAN, CA
[72] KEMP, KYLE WAYNE, CA
[72] OLMSTEAD, DOUGLAS EDWARD, CA
[72] BASTIDAS, TERESA JULIET PENA, CA
[71] CARBON ENGINEERING LTD., CA
[85] 2023-11-01
[86] 2022-05-03 (PCT/US2022/027523)
[87] (WO2022/235708)
[30] US (63/183,533) 2021-05-03

PCT Applications Entering the National Phase

[21] **3,217,468**
[13] A1

[51] **Int.Cl. C07D 403/06 (2006.01) A61K 31/5377 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 15/10 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **CRYSTAL FORM IV OF ORGANIC ACID SALTS OF MELANOCORTIN RECEPTOR AGONIST COMPOUND, AND PREPARATION METHOD THEREOF**

[54] **FORME CRISTALLINE IV DE SELS D'ACIDE ORGANIQUE D'UN RECEPTEUR DE LA MELANOCORTINE, ET SON PROCEDE DE PREPARATION**

[72] KIM, JI YOON, KR
[72] CHUN, SEUL AH, KR
[72] KIM, SUNG WON, KR
[71] LG CHEM, LTD., KR
[85] 2023-10-19
[86] 2022-05-06 (PCT/KR2022/006480)
[87] (WO2022/235106)
[30] KR (10-2021-0059133) 2021-05-07

[21] **3,217,469**
[13] A1

[51] **Int.Cl. G01M 17/03 (2006.01) G01M 13/045 (2019.01) B62D 55/00 (2006.01) B62D 55/08 (2006.01) B62D 55/12 (2006.01) B62D 55/30 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR DETERMINING POTENTIAL DAMAGE OF AN ENDLESS TRACK OF A TRACKED VEHICLE**

[54] **PROCEDE ET DISPOSITIF DE DETERMINATION D'ENDOMMAGEMENT POTENTIEL DE CHENILLE D'UN VEHICULE CHENILLE**

[72] ROWA, ANDREAS, SE
[71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
[85] 2023-10-19
[86] 2022-04-20 (PCT/SE2022/050383)
[87] (WO2022/225439)
[30] SE (2150512-8) 2021-04-23

[21] **3,217,470**
[13] A1

[51] **Int.Cl. A23L 19/00 (2016.01) A23P 10/30 (2016.01) A23P 20/10 (2016.01) A23G 3/54 (2006.01)**

[25] EN

[54] **SHELF STABLE FOOD WITH FLAVOR**

[54] **ALIMENT DE LONGUE CONSERVATION AYANT UN AROME**

[72] HAN, LINGHUA A., US
[72] HUBER, JEFFREY T., US
[72] KITTLESON, DIANA LEE, US
[72] IGO, ELIZABETH LOMAURO, US
[72] REDEMANN, MORGAN, US
[72] SIPPEL, CARLY, US
[71] GENERAL MILLS, INC., US
[85] 2023-10-19
[86] 2021-04-19 (PCT/US2021/027886)
[87] (WO2022/225501)

[21] **3,217,472**
[13] A1

[51] **Int.Cl. G01C 21/34 (2006.01)**

[25] EN

[54] **VEHICLE ROUTING WITH DYNAMIC SELECTION OF TURNS ACROSS OPPOSING TRAFFIC**

[54] **ACHEMINEMENT DE VEHICULE A SELECTION DYNAMIQUE DE BIFURCATIONS A TRAVERS UN TRAFIC OPPOSE**

[72] VAN'T WESTEINDE, CHARLES PIETER, AU
[72] MIZINA, SVETLANA, AU
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2023-10-19
[86] 2022-06-01 (PCT/US2022/031719)
[87] (WO2023/282997)
[30] US (17/369,074) 2021-07-07

[21] **3,217,473**
[13] A1

[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/80 (2006.01)**

[25] EN

[54] **BODKIN STYLE BROACHING TIP FOR A SELF-PUNCHING BONE ANCHOR**

[54] **POINTE DE BROCHAGE DE TYPE POINCON POUR ANCRAGE OSSEUX AUTO-PERFORANT**

[72] THIBODEAU, ROBERT, US
[72] BARTON, PATRICK, US
[71] CONMED CORPORATION, US
[85] 2023-10-19
[86] 2022-06-15 (PCT/US2022/033558)
[87] (WO2022/266183)
[30] US (63/210,733) 2021-06-15

[21] **3,217,475**
[13] A1

[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/569 (2006.01)**

[25] EN

[54] **DEVICES, METHODS, AND KITS FOR DIAGNOSING SARS COV-2 INFECTION**

[54] **DISPOSITIFS, METHODES ET KITS POUR DIAGNOSTIQUER UNE INFECTION A SARS-COV-2**

[72] STRONGIN, WENDY, US
[72] MILLENSON, ELLIOTT, US
[72] MILLENSON, CAROLYN S., US
[71] GLOBAL DIAGNOSTIC SYSTEMS, BENEFIT LLC, US
[85] 2023-10-19
[86] 2022-04-19 (PCT/US2022/071801)
[87] (WO2022/226496)
[30] US (63/176,830) 2021-04-19

Demandes PCT entrant en phase nationale

[21] **3,217,476**
[13] A1

[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **COOKING STATION AND GRIDDLE WITH UNDERSTRUCTURE AND METHOD THEREOF**
[54] **POSTE DE CUISSON ET PLAQUE DE CUISSON A SOUS-STRUCTURE ET PROCEDE ASSOCIE**
[72] GRAHAM, GARY E., US
[72] SMITH, JARED M., US
[72] DEXTER, ADAM S., US
[72] BUSH III, JAMES C., US
[72] STEVENSON, SCOTT W. M., US
[71] NORTH ATLANTIC IMPORTS, LLC, US
[85] 2023-10-19
[86] 2022-04-21 (PCT/US2022/071848)
[87] (WO2022/226524)
[30] US (63/178,434) 2021-04-22
[30] US (63/272,799) 2021-10-28

[21] **3,217,477**
[13] A1

[51] **Int.Cl. G06F 21/62 (2013.01) G06F 11/34 (2006.01) G06F 11/36 (2006.01)**
[25] EN
[54] **USING ENTROPY TO PREVENT INCLUSION OF PAYLOAD DATA IN CODE EXECUTION LOG DATA**
[54] **UTILISATION D'ENTROPIE POUR EMPECHER L'INCLUSION DE DONNEES UTILES DANS DES DONNEES DE JOURNAL D'EXECUTION DE CODE**
[72] MOLA, JORDI, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2023-10-19
[86] 2022-05-02 (PCT/US2022/072044)
[87] (WO2022/246359)
[30] LU (LU500189) 2021-05-21

[21] **3,217,478**
[13] A1

[51] **Int.Cl. B60L 53/31 (2019.01) B60L 53/30 (2019.01) F21S 8/08 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE SMART CHARGING STATIONS**
[54] **STATIONS DE CHARGE INTELLIGENTES DE VEHICULE ELECTRIQUE**
[72] PROSSERMAN, JEFFREY, US
[72] VICARI, JOERN, US
[72] VALLEJO, ALEJANDRO, US
[71] VOLTPOST, INC., US
[85] 2023-10-20
[86] 2022-04-20 (PCT/US2022/025504)
[87] (WO2022/226040)
[30] US (63/177,551) 2021-04-21

[21] **3,217,479**
[13] A1

[51] **Int.Cl. B61B 3/02 (2006.01) A63G 21/20 (2006.01) A63G 21/22 (2006.01) B61B 3/00 (2006.01) B61B 5/00 (2006.01) B61B 7/00 (2006.01) E01B 25/16 (2006.01)**
[25] EN
[54] **SELF-PROPELLED ELEVATED TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT SURELEVE AUTOPROPULSE**
[72] STRUNK, JEFFREY LORESCH, US
[71] STRUNK, JEFFREY LORESCH, US
[85] 2023-10-20
[86] 2022-04-21 (PCT/US2022/025723)
[87] (WO2022/226165)
[30] US (63/178,314) 2021-04-22

[21] **3,217,480**
[13] A1

[51] **Int.Cl. C07K 14/005 (2006.01) C12N 7/02 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **STABLE PRODUCTION SYSTEMS FOR LENTIVIRAL VECTOR PRODUCTION**
[54] **SYSTEMES DE PRODUCTION STABLES POUR LA PRODUCTION DE VECTEURS LENTIVIRAUX**
[72] GAM, JEREMY J., US
[72] NIELSEN, ALEC A. K., US
[71] ASIMOV INC., US
[85] 2023-10-20
[86] 2022-04-22 (PCT/US2022/026004)
[87] (WO2022/226346)
[30] US (63/179,129) 2021-04-23

[21] **3,217,481**
[13] A1

[51] **Int.Cl. C01B 32/55 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FORMING SOLID CARBON DIOXIDE**
[54] **METHODE ET APPAREIL DE FORMATION DE DIOXYDE DE CARBONE SOLIDE**
[72] HANSEN, HENRIK, DK
[71] COLD JET, LLC, US
[85] 2023-10-20
[86] 2022-05-06 (PCT/US2022/028054)
[87] (WO2022/236041)
[30] US (63/185,467) 2021-05-07

[21] **3,217,482**
[13] A1

[51] **Int.Cl. G06N 5/00 (2023.01) G06N 20/20 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DATA ANALYTICS USING SMOOTH SURROGATE MODELS**
[54] **SYSTEME ET PROCEDE D'ANALYSE DE DONNEES AU MOYEN DE MODELES DE SUBSTITUTION LISSES**
[72] THORNE, JULIAN A., US
[71] CHEVRON U.S.A. INC., US
[85] 2023-07-27
[86] 2022-01-31 (PCT/IB2022/050801)
[87] (WO2022/162628)
[30] US (17/164,081) 2021-02-01

[21] **3,217,484**
[13] A1

[51] **Int.Cl. B63B 13/00 (2006.01) B63B 32/20 (2020.01) B63B 34/10 (2020.01) B63B 1/18 (2006.01) B63B 1/38 (2006.01) B63B 13/02 (2006.01) B63B 17/00 (2006.01)**
[25] EN
[54] **VENTURI EFFECT SCUPPER DRAIN**
[54] **DRAIN DE DALOT A EFFET VENTURI**
[72] STEED, BRENT, US
[72] VAN NIMWEGEN, EDWARD G., US
[71] LIFETIME PRODUCTS, INC., US
[85] 2023-10-20
[86] 2022-04-06 (PCT/US2022/071579)
[87] (WO2022/226464)
[30] US (63/178,736) 2021-04-23
[30] US (17/657,550) 2022-03-31

PCT Applications Entering the National Phase

[21] **3,217,485**
[13] A1

[51] **Int.Cl. H05H 7/12 (2006.01) G21G 1/10 (2006.01) H05H 6/00 (2006.01)**
[25] EN
[54] **PROTON ENERGY DEGRADER DEVICES AND METHODS OF USING SAME**
[54] **DISPOSITIFS DE DEGRADATION D'ENERGIE DE PROTONS ET LEURS PROCEDES D'UTILISATION**
[72] KUMLIN, JOEL, CA
[72] DODD, MAURICE G., CA
[72] HOOK, BRIAN, CA
[71] ARTMS INC., CA
[85] 2023-10-20
[86] 2022-04-21 (PCT/CA2022/050607)
[87] (WO2022/221949)
[30] US (63/178,817) 2021-04-23

[21] **3,217,486**
[13] A1

[51] **Int.Cl. C22C 38/02 (2006.01) C21D 8/06 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/26 (2006.01)**
[25] EN
[54] **STEEL FOR HIGH-TEMPERATURE CARBURIZED GEAR SHAFT AND MANUFACTURING METHOD FOR STEEL**
[54] **ACIER POUR ARBRE D'ENGRENAGE CEMENTE A HAUTE TEMPERATURE ET PROCEDE DE FABRICATION D'ACIER**
[72] ZHAO, SIXIN, CN
[72] GAO, JIAQIANG, CN
[72] HUANG, ZONGZE, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2023-10-20
[86] 2022-04-19 (PCT/CN2022/087739)
[87] (WO2022/228216)
[30] CN (202110478480.2) 2021-04-29

[21] **3,217,487**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) C07K 16/32 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/70 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **HETERODIMERIC ANTIBODIES AND ANTIGEN-BINDING FRAGMENT THEREOF**
[54] **ANTICORPS HETERODIMERES ET FRAGMENT DE LIAISON A L'ANTIGENE DE CEUX-CI**
[72] ZHOU, ZHENHAO, CN
[72] ZHANG, JIE, CN
[71] CHIMAGEN BIOSCIENCES, LTD, CN
[85] 2023-10-20
[86] 2022-04-22 (PCT/CN2022/088386)
[87] (WO2022/223016)
[30] CN (PCT/CN2021/089400) 2021-04-23

[21] **3,217,488**
[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01)**
[25] EN
[54] **ANIMAL FEEDING RESERVOIR AND DISPENSER**
[54] **RESERVOIR ET DISTRIBUTEUR D'ALIMENTS POUR ANIMAUX**
[72] VIAENE, DAVID, US
[71] VIAENE, DAVID, US
[85] 2023-10-20
[86] 2022-04-20 (PCT/US2022/025492)
[87] (WO2022/231898)
[30] US (63/182,509) 2021-04-30
[30] US (17/333,933) 2021-05-28

[21] **3,217,490**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **MASITINIB FOR THE TREATMENT OF CASTRATE-RESISTANT PROSTATE CANCER**
[54] **MASITINIB POUR LE TRAITEMENT DU CANCER DE LA PROSTATE RESISTANT A LA CASTRATION**
[72] MOUSSY, ALAIN, FR
[72] MANSFIELD, COLIN, FR
[71] AB SCIENCE, FR
[85] 2023-11-01
[86] 2022-05-17 (PCT/EP2022/063361)
[87] (WO2022/243339)
[30] EP (21305643.5) 2021-05-17

[21] **3,217,491**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01)**
[25] EN
[54] **PRODUCTS AND METHODS FOR TREATING MUSCULAR DYSTROPHY**
[54] **PRODUITS ET METHODES DE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE**
[72] WEIN, NICOLAS SEBASTIEN, US
[72] FLANIGAN, KEVIN, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[85] 2023-10-20
[86] 2022-04-22 (PCT/US2022/025986)
[87] (WO2022/226334)
[30] US (63/178,648) 2021-04-23

[21] **3,217,492**
[13] A1

[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 33/04 (2006.01)**
[25] EN
[54] **TOPICAL ANTISEPTIC**
[54] **ANTISEPTIQUE TOPIQUE**
[72] YAYAC, MICHAEL, US
[72] PARVIZI, JAVAD, US
[72] BRITAIN, HARRY, US
[72] CHO, JEONGEUN, US
[72] SAXENA, ARADHNA, US
[72] PARMAR, MAYANK, US
[71] SURGIWIPE LLC, US
[85] 2023-10-20
[86] 2022-04-22 (PCT/US2022/025995)
[87] (WO2022/226340)
[30] US (63/178,055) 2021-04-22

Demandes PCT entrant en phase nationale

[21] **3,217,493**
[13] A1

[51] **Int.Cl. H04B 10/54 (2013.01)**
[25] EN
[54] **TRANSMISSION METHOD AND RECEPTION METHOD FOR OPTICAL COMMUNICATION, AND CORRESPONDING DEVICE**
[54] **PROCEDE DE TRANSMISSION ET PROCEDE DE RECEPTION POUR COMMUNICATION OPTIQUE, ET DISPOSITIF CORRESPONDANT**
[72] HUANG, KECHAO, CN
[72] LEUNG, WAI KONG RAYMOND, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2023-10-20
[86] 2022-04-19 (PCT/CN2022/087770)
[87] (WO2022/222933)
[30] CN (202110424596.8) 2021-04-20
[30] CN (202111456537.5) 2021-12-01
[30] CN (202210102040.1) 2022-01-27

[21] **3,217,503**
[13] A1

[25] EN
[54] **MANIFOLDS FOR MICROFLUIDIC CHIPS, MICROFLUIDIC CHIPS, AND RELATED METHODS AND ASSEMBLIES**
[54] **COLLECTEURS POUR PUCES MICROFLUIDIQUES, PUCES MICROFLUIDIQUES, ET PROCEDES ET ENSEMBLES ASSOCIES**
[72] DE HAAS, THOMAS, CA
[72] ELSHABASY, ZAHRAA, CA
[72] BARIKBIN, ZAHRA, CA
[72] VACLAVIK, DYLAN, CA
[71] INTERFACE FLUIDICS LTD., CA
[85] 2023-11-01
[86] 2022-05-27 (PCT/CA2022/050860)
[87] (WO2022/251951)
[30] US (63/195,746) 2021-06-02

[21] **3,217,510**
[13] A1

[25] EN
[54] **REAR-ENTRY STYLE SEAT ON MOTION-BASED ATTRACTION**
[54] **SIEGE DE TYPE A ENTREE ARRIERE SUR UNE ATTRACTION BASEE SUR LE MOUVEMENT**
[72] MONTGOMERY, CLIFTON AMIR, US
[72] KELLEY, SARAH ANNE, US
[72] MCVEEN, KEITH MICHAEL, US
[72] PARR, ERIC RAE, US
[72] VANCE, ERIC ALLAN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2023-11-01
[86] 2022-05-11 (PCT/US2022/028771)
[87] (WO2022/250961)
[30] US (63/193,390) 2021-05-26
[30] US (17/693,910) 2022-03-14

[21] **3,217,501**
[13] A1

[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/196 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **TOPICAL NAPROXEN FORMULATIONS AND THEIR USE**
[54] **FORMULATIONS TOPIQUES DE NAPROXENE ET LEUR UTILISATION**
[72] HNAT, THOMAS, US
[71] SMARTECH TOPICAL, INC., US
[85] 2023-11-01
[86] 2022-05-05 (PCT/US2022/027935)
[87] (WO2022/235978)
[30] US (63/184,631) 2021-05-05

[21] **3,217,508**
[13] A1

[51] **Int.Cl. A23K 10/16 (2016.01) A23K 10/30 (2016.01) A23L 17/60 (2016.01)**
[25] EN
[54] **A METHOD FOR REFINING MACROALGAE**
[54] **PROCEDE DE RAFFINAGE DE MACROALGUES**
[72] GRANSTROM, MARI, FI
[72] WESTERLUND, MIKAEL, FI
[71] ORIGIN BY OCEAN, FI
[85] 2023-11-01
[86] 2022-05-05 (PCT/FI2022/050300)
[87] (WO2022/234192)
[30] FI (20215533) 2021-05-06

[21] **3,217,512**
[13] A1

[51] **Int.Cl. B62B 3/00 (2006.01) B62B 3/02 (2006.01) B62B 3/16 (2006.01)**
[25] EN
[54] **LOAD CARRIER WITH STORAGE FACILITY IN THE BASE FOR STORING COLUMNS**
[54] **SUPPORT DE CHARGE AVEC INSTALLATION DE STOCKAGE DANS LA BASE POUR STOCKER DES COLONNES**
[72] MOGENSEN, ERLING, DK
[71] UNI-TROLL EUROPE APS, DK
[85] 2023-10-20
[86] 2022-04-21 (PCT/DK2022/050080)
[87] (WO2022/223088)
[30] DK (PA202170185) 2021-04-23

[21] **3,217,509**
[13] A1

[51] **Int.Cl. F27B 9/04 (2006.01) F27B 9/14 (2006.01) F27B 9/24 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR HEAT-TREATING A METAL STRIP**
[54]
[72] HAMMAN, MARTIN, FR
[72] ZIEMENDORFF, JURGEN, FR
[71] ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH, AT
[85] 2023-11-01
[86] 2022-03-02 (PCT/EP2022/055269)
[87] (WO2022/248089)
[30] AT (A50422/2021) 2021-05-27

PCT Applications Entering the National Phase

<p style="text-align: center;">[21] 3,217,513 [13] A1</p> <p>[51] Int.Cl. A23J 1/14 (2006.01) A23K 10/30 (2016.01) A23K 10/38 (2016.01) A23K 20/147 (2016.01) A23L 5/20 (2016.01) A23L 25/00 (2016.01) A23L 33/105 (2016.01) A23L 33/185 (2016.01) A21D 2/26 (2006.01) A23J 3/14 (2006.01) A23L 2/66 (2006.01) C11B 1/10 (2006.01)</p> <p>[25] EN</p> <p>[54] PROTEIN PREPARATION PRODUCED FROM ALMOND SEEDS AND PREPARATION METHOD</p> <p>[54] PREPARATION PROTEIQUE PRODUITE A PARTIR DE GRAINES D'AMANDE ET PROCEDE DE PREPARATION</p> <p>[72] EISNER, PETER, DE</p> <p>[72] WIMMER, DOMINIC, DE</p> <p>[72] SCHREIBER, KLAUS, DE</p> <p>[72] MURANYI, ISABEL, DE</p> <p>[72] STABLER, ANDREAS, DE</p> <p>[72] MITTERMAIER, STEPHANIE, DE</p> <p>[71] FRANHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE</p> <p>[85] 2023-10-20</p> <p>[86] 2022-03-11 (PCT/EP2022/056358)</p> <p>[87] (WO2022/238031)</p> <p>[30] DE (10 2021 112 273.2) 2021-05-11</p>	<p style="text-align: center;">[21] 3,217,515 [13] A1</p> <p>[25] EN</p> <p>[54] RODENT BAIT STATION</p> <p>[54] RECEPTABLE D'APPAT POUR RONGEURS</p> <p>[72] KAUFFMAN, MATTHEW, US</p> <p>[71] WOODSTREAM CORPORATION, US</p> <p>[85] 2023-11-01</p> <p>[86] 2022-06-09 (PCT/US2022/032779)</p> <p>[87] (WO2022/261283)</p> <p>[30] US (17/344,221) 2021-06-10</p>	<p style="text-align: center;">[21] 3,217,517 [13] A1</p> <p>[25] EN</p> <p>[54] FGFR TYROSINE KINASE INHIBITORS FOR THE TREATMENT OF ADVANCED SOLID TUMORS</p> <p>[54] INHIBITEURS DE TYROSINE KINASE FGFR DESTINES AU TRAITEMENT DES TUMEURS SOLIDES AVANCEES</p> <p>[72] MOY, CHRISTOPHER H., US</p> <p>[72] SANTIAGO-WALKER, ADEMI ELENA, US</p> <p>[72] SCHAFFER, MICHAEL EDWARD, US</p> <p>[72] SWEITI, HUSSEIN, US</p> <p>[71] JANSSEN PHARMACEUTICA NV, BE</p> <p>[85] 2023-11-01</p> <p>[86] 2022-05-19 (PCT/EP2022/063629)</p> <p>[87] (WO2022/243467)</p> <p>[30] US (63/190,602) 2021-05-19</p> <p>[30] US (63/242,857) 2021-09-10</p> <p>[30] US (63/253,316) 2021-10-07</p>
<p style="text-align: center;">[21] 3,217,514 [13] A1</p> <p>[51] Int.Cl. C08L 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] POLYISOBUTENE DERIVATIVES AS AN ADDITIVE IN RUBBERS</p> <p>[54] DERIVES DE POLYISOBUTENE EN TANT QU'ADDITIF DANS DES CAOUTCHOUCS</p> <p>[72] LEDERHOSE, PAUL, DE</p> <p>[72] FELDMANN, OLIVER, DE</p> <p>[72] MUSTONEN, TERO, DE</p> <p>[72] RAMADANI, FEHIME, DE</p> <p>[71] BASF SE, DE</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-11 (PCT/EP2022/059599)</p> <p>[87] (WO2022/223345)</p> <p>[30] EP (21169914.5) 2021-04-22</p>	<p style="text-align: center;">[21] 3,217,516 [13] A1</p> <p>[51] Int.Cl. A61K 31/706 (2006.01) A61K 31/7084 (2006.01) A61P 25/16 (2006.01) A61P 25/24 (2006.01)</p> <p>[25] EN</p> <p>[54] NMN AND DERIVATIVES FOR ITS USE IN THE TREATMENT OF DEPRESSION AND/OR ANXIETY IN PATIENTS HAVING A FORM OF PARKINSONISM</p> <p>[54] NMN ET DERIVES POUR UNE UTILISATION DANS LE TRAITEMENT DE LA DEPRESSION ET/OU DE L'ANXIETE CHEZ DES PATIENTS AYANT UNE FORME DE PARKINSONISME</p> <p>[72] BERMOND, GUILLAUME, FR</p> <p>[72] GARCON, LAURENT, FR</p> <p>[71] NUVAMID SA, CH</p> <p>[85] 2023-10-20</p> <p>[86] 2022-04-20 (PCT/EP2022/060411)</p> <p>[87] (WO2022/223613)</p> <p>[30] EP (21169363.5) 2021-04-20</p>	<p style="text-align: center;">[21] 3,217,518 [13] A1</p> <p>[51] Int.Cl. C07K 14/805 (2006.01)</p> <p>[25] EN</p> <p>[54] EXPRESSION SYSTEM FOR PRODUCING A RECOMBINANT HAPTOGLOBIN (HP) BETA CHAIN</p> <p>[54] SYSTEME D'EXPRESSION POUR LA PRODUCTION D'UNE CHAINE BETA DE L'HAPTOGLOBINE (HP) RECOMBINANTE</p> <p>[72] BUTCHER, REBECCA, AU</p> <p>[72] OWCZAREK, CATHERINE, AU</p> <p>[72] GENTINETTA, THOMAS, CH</p> <p>[72] SCHAER, DOMINIK, CH</p> <p>[72] HUGELSHOFER, MICHAEL, DE</p> <p>[71] CSL BEHRING AG, CH</p> <p>[71] UNIVERSITAT ZURICH, CH</p> <p>[85] 2023-11-01</p> <p>[86] 2022-05-06 (PCT/EP2022/062257)</p> <p>[87] (WO2022/234070)</p> <p>[30] AU (2021901366) 2021-05-07</p>

Demandes PCT entrant en phase nationale

[21] **3,217,520**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 38/17 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **BISPECIFIC MULTIFUNCTIONAL FUSION POLYPEPTIDE**
[54] **POLYPEPTIDE DE FUSION MULTIFONCTIONNEL BISPECIFIQUE**
[72] LU, DI, CN
[72] HUO, YONGTING, CN
[72] LU, LISHENG, CN
[71] GUANGDONG FAPON BIOPHARMA INC., CN
[85] 2023-10-20
[86] 2022-04-21 (PCT/CN2022/088198)
[87] (WO2022/223001)
[30] CN (202110436970.6) 2021-04-22
[30] CN (202110871320.4) 2021-07-30
[30] CN (202111121937.0) 2021-09-24
[30] CN (202210240917.3) 2022-03-10

[21] **3,217,521**
[13] A1

[51] **Int.Cl. A61K 31/551 (2006.01) A61K 31/4409 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **METHODS OF TREATING DEPRESSION AND ANXIETY**
[54] **METHODES DE TRAITEMENT DE LA DEPRESSION ET DE L'ANXIETE**
[72] JACOBSON, SVEN, US
[72] MACALLISTER, THOMAS, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
[85] 2023-11-01
[86] 2022-05-16 (PCT/US2022/029402)
[87] (WO2022/245708)
[30] US (63/190,512) 2021-05-19

[21] **3,217,522**
[13] A1

[51] **Int.Cl. B01F 23/41 (2022.01)**
[25] EN
[54] **STABLE INTERFACE SYSTEMS AND COMPOSITIONS**
[54] **SYSTEMES D'INTERFACE STABLE ET COMPOSITIONS**
[72] BEEBE, DAVE, US
[72] MCMINN, PATRICK, US
[72] MULLINS, BRIANNA, US
[72] WARRICK, JAY, US
[71] SALUS DISCOVERY, LLC, US
[71] FLAMBEAU DIAGNOSTICS, LLC, US
[85] 2023-11-01
[86] 2022-05-05 (PCT/US2022/027900)
[87] (WO2022/235955)
[30] US (63/184,334) 2021-05-05

[21] **3,217,523**
[13] A1

[51] **Int.Cl. C40B 50/06 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CONSTRUCTION METHOD FOR RNA SEQUENCING LIBRARY, SEQUENCING METHOD, AND KIT**
[54] **PROCEDE DE CONSTRUCTION POUR BIBLIOTHEQUE DE SEQUENCAGE D'ARN, PROCEDE DE SEQUENCAGE ET KIT**
[72] LIU, LONGQI, CN
[72] LIN, XIUMEI, CN
[72] SHI, QUAN, CN
[72] SHI, XUYANG, CN
[72] LIU, CHUANYU, CN
[72] HUANG, YALING, CN
[72] LIU, YA, CN
[71] BGI SHENZHEN, CN
[85] 2023-10-20
[86] 2021-04-22 (PCT/CN2021/088984)
[87] (WO2022/222101)

[21] **3,217,525**
[13] A1

[51] **Int.Cl. F04D 29/22 (2006.01) F04D 7/04 (2006.01) F04D 29/24 (2006.01)**
[25] EN
[54] **CENTRIFUGAL PUMP IMPELLER WITH TAPERED SHROUD**
[54] **ROTOR DE POMPE CENTRIFUGE A ENVELOPPE CONIQUE**
[72] DERN, MICHAEL GEORGE, AU
[71] WEIR MINERALS AUSTRALIA LTD, AU
[85] 2023-11-01
[86] 2022-06-25 (PCT/AU2022/050655)
[87] (WO2022/266725)
[30] AU (2021901940) 2021-06-25

[21] **3,217,526**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR IDENTIFYING BINDING PARTNERS OF PROGRANULIN**
[54] **PROCEDES D'IDENTIFICATION DE PARTENAIRES DE LIAISON DE LA PROGRANULINE**
[72] ZENG, WEI-ZHENG, US
[72] CHANG, JOSEPH, US
[72] BONAVENTURE, PASCAL, US
[72] LIU, CHANGLU, US
[72] BREDT, DAVID S., US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2023-10-20
[86] 2022-04-22 (PCT/EP2022/060724)
[87] (WO2022/223796)
[30] US (63/178,831) 2021-04-23

PCT Applications Entering the National Phase

[21] **3,217,528**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 9/10 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **EXPRESSION SYSTEMS FOR THE ALPHA2ALPHA5BETA2 NICOTINIC ACETYLCHOLINE RECEPTOR AND METHODS OF USE THEREOF**

[54] **SYSTEMES D'EXPRESSION POUR LE RECEPTEUR NICOTINIQUE DE L'ACETYLCHOLINE ALPHA2ALPHA5BETA2 ET LEURS PROCEDES D'UTILISATION**

[72] BREDT, DAVID S., US
[72] GU, SHENYAN, US
[72] O'CARROLL, MIN LEI, US
[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2023-10-20
[86] 2022-04-22 (PCT/EP2022/060744)
[87] (WO2022/223806)
[30] US (63/178,813) 2021-04-23

[21] **3,217,529**
[13] A1

[51] **Int.Cl. C10L 5/36 (2006.01) C10L 5/04 (2006.01)**

[25] EN

[54] **FOUNDRY COKE PRODUCTS, AND ASSOCIATED SYSTEMS AND METHODS**

[54] **PRODUITS DE COKE DE QUALITE METALLURGIQUE, SYSTEMES ET PROCEDES ASSOCIES**

[72] QUANCI, JOHN FRANCIS, US
[72] PERKINS, JONATHAN, US
[71] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US

[85] 2023-11-01
[86] 2022-05-04 (PCT/US2022/027722)
[87] (WO2022/235839)
[30] US (63/184,016) 2021-05-04

[21] **3,217,530**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 9/10 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **EXPRESSION SYSTEMS FOR THE ALPHA6BETA4 NICOTINIC ACETYLCHOLINE RECEPTOR AND METHODS OF USE THEREOF**

[54] **SYSTEMES D'EXPRESSION POUR LE RECEPTEUR NICOTINIQUE DE L'ACETYLCHOLINE ALPHA6BETA4 ET LEURS PROCEDES D'UTILISATION**

[72] BREDT, DAVID S., US
[72] GU, SHENYAN, US
[72] MATTA, JOSE, US
[72] KNOWLAND, DANIEL, US
[72] DAVINI, WESTON, US
[72] LIMBERIS, JAMES, US
[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2023-10-20
[86] 2022-04-22 (PCT/EP2022/060765)
[87] (WO2022/223817)
[30] US (63/178,835) 2021-04-23

[21] **3,217,531**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 36/21 (2006.01)**

[25] EN

[54] **OILY FORMULATIONS OF CANNABINOIDS**

[54] **FORMULATIONS HUILEUSES DE CANNABINOIDES**

[72] DI PIERRO, FRANCESCO, IT
[71] VELLEJA RESEARCH S.R.L., IT

[85] 2023-11-01
[86] 2022-06-03 (PCT/IB2022/055183)
[87] (WO2022/259103)
[30] IT (102021000014909) 2021-06-08

[21] **3,217,533**
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01) H04N 21/262 (2011.01) H04N 21/81 (2011.01) H04N 21/8547 (2011.01) G09G 5/12 (2006.01)**

[25] FR

[54] **DIGITAL DISPLAY METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME D'AFFICHAGE DIGITAL**

[72] BERTRAND, LUDOVIC, FR
[71] JCDECAUX SE, FR

[85] 2023-10-20
[86] 2022-04-26 (PCT/EP2022/061112)
[87] (WO2022/229226)
[30] FR (FR2104456) 2021-04-28

[21] **3,217,534**
[13] A1

[51] **Int.Cl. A23L 33/105 (2016.01) A23L 33/15 (2016.01) A61K 31/355 (2006.01) A61K 31/685 (2006.01) A61K 36/537 (2006.01) A61K 36/80 (2006.01) A61K 36/81 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **A FOOD SUPPLEMENT FOR USE AS COADJUVANT IN THE PREVENTION AND TREATMENT OF COGNITIVE DECLINE ASSOCIATED WITH ALZHEIMER DISEASE**

[54] **COMPLEMENT ALIMENTAIRE DESTINE A ETRE UTILISE EN TANT QUE CO-ADJUVANT DANS LA PREVENTION ET LE TRAITEMENT DU DECLIN COGNITIF ASSOCIE A LA MALADIE D'ALZHEIMER**

[72] DEL BONO, MARIA CRISTINA, IT
[72] BONOMO, FRANCESCO, IT
[71] CRISTALFARMA S.R.L., IT

[85] 2023-11-01
[86] 2022-04-22 (PCT/IB2022/053781)
[87] (WO2022/238793)
[30] IT (102021000012515) 2021-05-14

Demandes PCT entrant en phase nationale

[21] **3,217,538**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/00 (2006.01) A61K 31/567 (2006.01) A61K 47/34 (2017.01)**

[25] EN
[54] **NEW FORMULATION**
[54] **NOUVELLE FORMULATION**

[72] FERRAND, MARIA, FR
[72] LELAMER, SOPHIE, FR
[72] REY, ELODIE, FR
[72] SANTA, LILIAN, FR
[72] ABBASSI, MYRIAM, FR
[71] MEDINCELL SA, FR
[85] 2023-10-20
[86] 2022-04-29 (PCT/EP2022/061511)
[87] (WO2022/229402)
[30] EP (21305559.3) 2021-04-30

[21] **3,217,539**
[13] A1

[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/34 (2006.01) C01B 3/38 (2006.01) C01B 3/40 (2006.01)**

[25] EN
[54] **IMPROVED CATALYTIC REACTOR SYSTEM AND CATALYST FOR CONVERSION OF CAPTURED CO2 AND RENEWABLE H2 INTO LOW-CARBON SYNGAS**

[54] **SYSTEME DE REACTEUR CATALYTIQUE ET CATALYSEUR AMELIORES POUR LA CONVERSION DE CO2 CAPTURE ET DE H2 RENOUEVELABLE EN GAZ DE SYNTHESE BAS CARBONE**

[72] SCHUETZLE, DENNIS, US
[72] SCHUETZLE, ROBERT, US
[72] HANBURY, ORION, US
[72] CALDWELL, MATTHEW, US
[72] MCGINNIS, GLENN, US
[72] RODRIGUEZ, RAMER, US
[71] INFINIUM TECHNOLOGY, LLC, US
[85] 2023-10-19
[86] 2022-04-19 (PCT/US2022/000008)
[87] (WO2022/235310)
[30] US (17/300,261) 2021-05-03

[21] **3,217,540**
[13] A1

[51] **Int.Cl. B60P 7/08 (2006.01)**

[25] EN
[54] **WINDING ASSEMBLY**
[54] **ENSEMBLE D'ENROULEMENT**

[72] DAVIS, LUKE, GB
[71] LOADHOG LIMITED, GB
[85] 2023-11-01
[86] 2022-05-06 (PCT/IB2022/054199)
[87] (WO2022/234531)
[30] GB (2106520.6) 2021-05-07
[30] GB (2206597.3) 2022-05-05

[21] **3,217,541**
[13] A1

[51] **Int.Cl. G16H 40/60 (2018.01)**

[25] EN
[54] **ORIENTING AN X-RAY DEVICE BASED ON AN ULTRASOUND IMAGE**

[54] **ORIENTATION D'UN DISPOSITIF A RAYONS X SUR LA BASE D'UNE IMAGE ULTRASONORE**

[72] STEINLE, WOLFGANG, DE
[72] WEI, WEI, DE
[71] BRAINLAB AG, DE
[85] 2023-11-01
[86] 2022-06-03 (PCT/EP2022/065148)
[87] (WO2022/258502)
[30] EP (PCT/EP2021/065630) 2021-06-10

[21] **3,217,542**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/515 (2006.01) C07D 471/10 (2006.01)**

[25] EN
[54] **COMPOUNDS FOR INHIBITING OR DEGRADING ITK, COMPOSITIONS, COMPRISING THE SAME METHODS OF THEIR MAKING AND METHODS OF THEIR USE**

[54] **COMPOSES DESTINES A INHIBER OU DEGRADER L'ITK, COMPOSITIONS LES COMPRENANT, LEURS PROCEDES DE FABRICATION ET LEURS PROCEDES D'UTILISATION**

[72] MCINTOSH, JOEL, US
[72] KATO, DAISUKE, US
[72] MIHALIC, JEFFREY, US
[72] PENG, GE, US
[71] NURIX THERAPEUTICS, INC., US
[85] 2023-11-01
[86] 2022-05-03 (PCT/US2022/027532)
[87] (WO2022/235715)
[30] US (63/183,617) 2021-05-03

[21] **3,217,544**
[13] A1

[51] **Int.Cl. A61P 25/02 (2006.01)**

[25] EN
[54] **HIP/PAP PROTEIN OR A DERIVATIVE THEREOF FOR TREATING PERIPHERAL NEUROPATHY**

[54] **PROTEINE HIP/PAP OU DERIVE DE CELLE-CI POUR LE TRAITEMENT DE LA NEUROPATHIE PERIPHERIQUE**

[72] BRECHOT, CHRISTIAN, FR
[72] AMOUYAL, GILLES, FR
[72] AMOUYAL, PAUL, FR
[72] SANTORO, LYSE, FR
[72] ROTH, FANNY, FR
[72] JAMOT, LAURE, FR
[71] THE HEALTHY AGING COMPANY, FR
[85] 2023-11-01
[86] 2022-05-06 (PCT/EP2022/062369)
[87] (WO2022/234131)
[30] EP (21305594.0) 2021-05-07

PCT Applications Entering the National Phase

[21] **3,217,545**
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES**
[72] MUKAI, OKIMI, JP
[72] OSATO, KEN, JP
[72] NAMAZUE, AKIRA, JP
[71] FUJIKURA LTD., JP
[85] 2023-11-01
[86] 2022-04-20 (PCT/JP2022/018319)
[87] (WO2022/244584)
[30] JP (2021-083719) 2021-05-18

[21] **3,217,546**
[13] A1

[51] **Int.Cl. G16H 10/60 (2018.01) G16H 20/10 (2018.01) G16H 50/20 (2018.01) G16H 70/40 (2018.01) G16H 70/60 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZING MEDICAL INTERVENTIONS USING PREDICTIVE MODELS**
[54] **SYSTEMES ET PROCEDES POUR OPTIMISER DES INTERVENTIONS MEDICALES A L'AIDE DE MODELES PREDICTIFS**
[72] DASI, LAKSHMI PRASAD, US
[72] SIRSET, THERESA L., US
[71] DASISIMULATIONS, LLC, US
[85] 2023-11-01
[86] 2022-06-06 (PCT/US2022/072784)
[87] (WO2022/261622)
[30] US (63/197,807) 2021-06-07

[21] **3,217,547**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACTIVE CURRICULUM LEARNING**
[54] **SYSTEMES ET PROCEDES D'APPRENTISSAGE DE CURRICULUM ACTIF**
[72] MAKREHCHI, MASOUD, CA
[72] JAFARPOUR, BORNA, CA
[72] POGREBANYAKOV, NICOLAI, CA
[72] SEPEHR, FIROOZEH, CA
[72] MADYALKAR, VINOD VIJAYKUMAR, CA
[72] LEE, SEUNG MIN, KR
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2023-11-01
[86] 2022-05-06 (PCT/IB2022/054239)
[87] (WO2022/234543)
[30] US (63/185,010) 2021-05-06

[21] **3,217,549**
[13] A1

[51] **Int.Cl. C07D 471/12 (2006.01)**
[25] EN
[54] **NOVEL SALTS AND CRYSTALS**
[54] **NOUVEAUX SELS ET CRISTAUX**
[72] LI, PENG, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[85] 2023-11-01
[86] 2022-06-07 (PCT/US2022/072802)
[87] (WO2022/261633)
[30] US (63/197,848) 2021-06-07

[21] **3,217,551**
[13] A1

[25] EN
[54] **HYBRID BUILDING SYSTEM, BUILDING AND METHOD**
[54] **SYSTEME DE BATIMENT HYBRIDE, BATIMENT ET PROCEDE**
[72] JONES, DAVID LEE, GB
[72] SHENTON, EDWARD ROSS, GB
[72] CHERRY, ANTHONY ROBERT, GB
[71] SANO DEVELOPMENT LIMITED, GB
[85] 2023-11-01
[86] 2022-05-19 (PCT/GB2022/051271)
[87] (WO2022/243694)
[30] GB (2107248.3) 2021-05-20
[30] GB (2107247.5) 2021-05-20
[30] GB (2107245.9) 2021-05-20
[30] GB (2107244.2) 2021-05-20
[30] GB (2107243.4) 2021-05-20

[21] **3,217,557**
[13] A1

[25] EN
[54] **WARM WHITE LIGHT ILLUMINATION AND DIGITAL IMAGE PROCESSING OF DIGITAL IMAGES DURING MICROSURGERY**
[54] **ECLAIRAGE A LUMIERE BLANCHE CHAUDE ET TRAITEMENT NUMERIQUE D'IMAGES NUMERIQUES PENDANT UNE MICROCHIRURGIE**
[72] MYERS, GILLIAN, US
[72] FRIDMAN, ALAN, US
[72] RAMIREZ LUNA, MAXIMILIANO, US
[71] ALCON INC., CH
[85] 2023-11-01
[86] 2022-04-13 (PCT/IB2022/053496)
[87] (WO2022/259050)
[30] US (63/209,523) 2021-06-11

[21] **3,217,558**
[13] A1

[51] **Int.Cl. C08L 5/04 (2006.01) A61P 1/16 (2006.01) A61P 13/04 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **STERILIZED MULTICOMPONENT COMPOSITION FOR REMOVAL OF PARTICLES**
[54] **COMPOSITION STERILISEE A PLUSIEURS CONSTITUANTS POUR L'ELIMINATION DE PARTICULES**
[72] GRUNWALD, INGO, DE
[72] STOSSLEIN, SEBASTIAN, DE
[71] PURENUM GMBH, DE
[85] 2023-11-01
[86] 2022-06-09 (PCT/EP2022/065643)
[87] (WO2022/258734)
[30] DE (20 2021 103 106.9) 2021-06-09

Demandes PCT entrant en phase nationale

[21] **3,217,559**
[13] A1

[51] **Int.Cl. C07D 209/18 (2006.01) A61K 31/404 (2006.01) A61K 31/405 (2006.01) C07D 403/04 (2006.01)**

[25] EN

[54] **CATALYTIC TRYPTAMINE PROCESSES AND PRECURSORS**

[54] **PROCEDES ET PRECURSEURS DE TRYPTAMINE CATALYTIQUES**

[72] ABDUR-RASHID, KAMALUDDIN, CA

[72] ABDUR-RASHID, KAREEM, CA

[72] JIA, WENLI, CA

[71] KARE CHEMICAL TECHNOLOGIES INC., CA

[85] 2023-11-01

[86] 2022-05-04 (PCT/CA2022/050699)

[87] (WO2022/232931)

[30] US (63/184,538) 2021-05-05

[21] **3,217,562**
[13] A1

[51] **Int.Cl. H04H 60/04 (2009.01)**

[25] EN

[54] **AUDIO CONTROL MODULE AND SYSTEM FOR CONTROLLING SOUND DURING A LIVE PERFORMANCE**

[54] **MODULE DE COMMANDE AUDIO ET SYSTEME DE COMMANDE DE SON PENDANT UNE PERFORMANCE EN DIRECT**

[72] SIGURDSSON, BJORN, NO

[71] SOUNDSHELL AS, NO

[85] 2023-11-01

[86] 2022-06-01 (PCT/EP2022/064986)

[87] (WO2022/253933)

[30] NO (20210697) 2021-06-02

[21] **3,217,563**
[13] A1

[51] **Int.Cl. A61K 31/192 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01)**

[25] EN

[54] **METHODS OF TREATING DEPRESSION AND ANXIETY**

[54] **METHODES DE TRAITEMENT DE LA DEPRESSION ET DE L'ANXIETE**

[72] MACALLISTER, THOMAS, US

[72] JACOBSON, SVEN, US

[71] WOOLSEY PHARMACEUTICALS, INC., US

[85] 2023-11-01

[86] 2022-05-16 (PCT/US2022/029419)

[87] (WO2022/245719)

[30] US (63/190,523) 2021-05-19

[21] **3,217,565**
[13] A1

[51] **Int.Cl. C07D 241/08 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **CYCLOALKYL 3-OXOPIPERAZINE CARBOXAMIDES AND CYCLOHETEROALKYL 3-OXOPIPERAZINE CARBOXAMIDES AS NAV1.8 INHIBITORS**

[54] **CYCLOALKYL 3-OXOPIPERAZINE CARBOXAMIDES ET CYCLOHETEROALKYLE 3-OXOPIPERAZINE CARBOXAMIDES EN TANT QU'INHIBITEURS DE NAV1.8**

[72] ARASAPPAN, ASHOK, US

[72] BELL, IAN M., US

[72] COX, JASON M., US

[72] KELLY, MICHAEL J. III, US

[72] LAYTON, MARK ERIC, US

[72] LIU, HONG, US

[72] LIU, JIAN, US

[72] SHAH, AKSHAY A., US

[72] VANHEYST, MICHAEL D., US

[71] MERCK SHARP & DOHME LLC, US

[85] 2023-11-01

[86] 2022-05-05 (PCT/US2022/027763)

[87] (WO2022/235859)

[30] US (63/185,637) 2021-05-07

[30] US (63/286,691) 2021-12-07

[21] **3,217,568**
[13] A1

[25] EN

[54] **MULTI-CHAMBER SMART SUCTION CUP FOR TACTILE SENSING**

[54] **VENTOUSE INTELLIGENTE A CHAMBRES MULTIPLES POUR UNE DETECTION TACTILE**

[72] HUH, TAE MYUNG, US

[72] STUART, HANNAH, US

[72] LI, MONICA, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2023-11-01

[86] 2022-05-03 (PCT/US2022/027381)

[87] (WO2022/235609)

[30] US (63/183,338) 2021-05-03

[21] **3,217,569**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) G06T 7/80 (2017.01)**

[25] EN

[54] **OPTICAL AXIS CALIBRATION OF ROBOTIC CAMERA SYSTEM**

[54] **ETALONNAGE D'AXE OPTIQUE DE SYSTEME DE CAMERA ROBOTIQUE**

[72] PATRICK, TERRY, US

[72] TRIPATHI, ASHOK BURTON, US

[71] ALCON INC., CH

[85] 2023-11-01

[86] 2022-04-13 (PCT/IB2022/053498)

[87] (WO2022/259051)

[30] US (63/197,644) 2021-06-07

[21] **3,217,571**
[13] A1

[51] **Int.Cl. G06Q 20/36 (2012.01) G06Q 20/06 (2012.01) H02J 3/38 (2006.01)**

[25] EN

[54] **CRYPTOCURRENCY MINING SYSTEM FOR VEHICLE**

[54] **SYSTEME DE MINAGE DE CRYPTOMONNAIE POUR VEHICULE**

[72] PARK, GA-RAM, KR

[71] PARK, GA-RAM, KR

[85] 2023-11-01

[86] 2022-01-28 (PCT/KR2022/001578)

[87] (WO2023/075036)

[30] KR (10-2021-0146800) 2021-10-29

[30] KR (10-2021-0179251) 2021-12-15

[21] **3,217,572**
[13] A1

[51] **Int.Cl. C02F 1/28 (2006.01) C02F 3/04 (2006.01) E03F 1/00 (2006.01) E03F 11/00 (2006.01)**

[25] EN

[54] **IN SITU FLUID DIFFUSION APPARATUS AND SYSTEM**

[54] **APPAREIL ET SYSTEME DE DIFFUSION DE FLUIDE IN SITU**

[72] WOODS, TIMOTHY EDWIN, AU

[71] RHIZOSCAPE TECHNOLOGIES PTY LTD, AU

[85] 2023-11-01

[86] 2022-05-02 (PCT/AU2022/050409)

[87] (WO2022/232871)

[30] US (63/182,888) 2021-05-01

PCT Applications Entering the National Phase

[21] **3,217,573**
[13] A1

[51] **Int.Cl. A47C 7/40 (2006.01) A47C 9/00 (2006.01)**
[25] EN
[54] **MOTION MECHANISM FOR A CHAIR AND CHAIR**
[54] **MECANISME DE MOUVEMENT POUR CHAISE, ET CHAISE**
[72] SLONGO, ALESSANDRO, IT
[72] FITZSIMMONDS, NIGEL CHARLES, GB
[71] L&P PROPERTY MANAGEMENT COMPANY, US
[85] 2023-11-01
[86] 2022-05-05 (PCT/EP2022/062164)
[87] (WO2022/268394)
[30] EP (21181234.2) 2021-06-23

[21] **3,217,581**
[13] A1

[51] **Int.Cl. G01S 19/22 (2010.01)**
[25] EN
[54] **MULTIPATH SUPPRESSION DEVICE AND MULTIPATH SUPPRESSION METHOD**
[54] **DISPOSITIF DE SUPPRESSION DE CHEMINS MULTIPLES ET PROCEDE DE SUPPRESSION DE CHEMINS MULTIPLES**
[72] TERADA, TSUBASA, JP
[72] TAKAHASHI, YOSHIKI, JP
[72] TAKAHASHI, RYUHEI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2023-11-01
[86] 2021-07-02 (PCT/JP2021/025110)
[87] (WO2023/276138)

[21] **3,217,586**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **USE OF AN ANTI-CD19 ANTIBODY TO TREAT MYASTHENIA GRAVIS**
[54] **UTILISATION D'UN ANTICORPS ANTI-CD19 POUR TRAITER LA MYASTHENIE GRAVE**
[72] KATZ, ELIEZER, US
[72] RATCHFORD, JOHN N., US
[72] ABUHSIRA, LIRON, US
[71] VIELA BIO, INC., US
[85] 2023-11-01
[86] 2022-05-06 (PCT/US2022/028063)
[87] (WO2022/236047)
[30] US (63/185,613) 2021-05-07
[30] US (63/303,655) 2022-01-27

[21] **3,217,579**
[13] A1

[51] **Int.Cl. A61P 25/28 (2006.01)**
[25] EN
[54] **METHOD OF TREATING ALZHEIMER'S DISEASE**
[54] **METHODE DE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] ROGERS, SHARON L., US
[71] AMYRIAD PHARMA, INC., US
[85] 2023-11-01
[86] 2022-05-19 (PCT/US2022/030020)
[87] (WO2022/246059)
[30] US (63/190,299) 2021-05-19
[30] US (63/192,398) 2021-05-24
[30] US (63/331,011) 2022-04-14

[21] **3,217,584**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **DAIRY ANALOGUES COMPRISING BETA-LACTOGLOBULIN**
[54] **ANALOGUES LAITIERS COMPRENANT DE LA BETA-LACTOGLOBULINE**
[72] COHAVI, ORI, IL
[72] SHARON, LIAM, IL
[72] TASSA, MATANEL, IL
[71] RE-MILK LTD, IL
[85] 2023-11-01
[86] 2022-05-10 (PCT/IL2022/050484)
[87] (WO2022/239000)
[30] US (63/187,798) 2021-05-12
[30] US (63/224,133) 2021-07-21
[30] US (63/289,640) 2021-12-15

[21] **3,217,587**
[13] A1

[25] EN
[54] **WIRELESS MAPPING IN REAL-TIME USING CORRELATIVE PASSIVE RECEIVER**
[54] **CARTOGRAPHIE SANS FIL EN TEMPS REEL AU MOYEN D'UN RECEPTEUR PASSIF CORRELATIF**
[72] ATAIE, VAHID, US
[71] RAYTHEON COMPANY, US
[85] 2023-11-01
[86] 2022-05-26 (PCT/US2022/031118)
[87] (WO2022/251487)
[30] US (63/193,519) 2021-05-26
[30] US (63/193,520) 2021-05-26

[21] **3,217,580**
[13] A1

[51] **Int.Cl. H04W 4/021 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SERVICE CONTINUITY**
[54] **PROCEDE ET APPAREIL POUR UNE CONTINUTE DE SERVICE**
[72] XU, WENLIANG, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2023-11-01
[86] 2022-05-17 (PCT/CN2022/093352)
[87] (WO2022/242648)
[30] CN (PCT/CN2021/094377) 2021-05-18

Demandes PCT entrant en phase nationale

[21] 3,217,589 [13] A1	[21] 3,217,594 [13] A1	[21] 3,217,597 [13] A1
[51] Int.Cl. A61K 51/04 (2006.01) C07C 275/16 (2006.01)	[51] Int.Cl. C07C 69/614 (2006.01)	[51] Int.Cl. A23L 33/105 (2016.01) A24B 15/18 (2006.01) A24B 15/24 (2006.01) A61K 31/05 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)
[25] EN	[25] EN	[25] EN
[54] IMPROVED PROSTATE-SPECIFIC MEMBRANE ANTIGEN TARGETING RADIOPHARMACEUTICALS AND USES THEREOF	[54] WEED CONTROL METHOD PROCEDE DE LUTTE CONTRE LES MAUVAISES HERBES	[54] INDUSTRIAL HASHISH AND METHOD FOR PRODUCING SAME AT AN INDUSTRIAL SCALE
[54] PRODUITS RADIOPHARMACEUTIQUES CIBLANT L'ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE AMELIORES ET LEURS UTILISATIONS	[72] WHITTINGHAM, WILLIAM GUY, GB	[54] HASHISCH INDUSTRIEL ET SON PROCEDE DE PRODUCTION A UNE ECHELLE INDUSTRIELLE
[72] GIESEL, FREDERIK, DE	[72] SCUTT, JAMES NICHOLAS, GB	[72] CHOUINARD, FRANCOIS, CA
[72] CARDINALE, JENS, DE	[72] HENNESSY, ALAN JOSEPH, GB	[72] SAVARD, JAMIE, CA
[72] KRATOCHWIL, CLEMENS, DE	[72] FRYE, ELIZABETH CATHERINE, GB	[72] DURBANO, RENATO DEVIEN, CA
[72] HABERKORN, UWE, DE	[72] DALE, SUZANNA, GB	[71] HEXO OPERATIONS INC., CA
[71] TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD, AU	[72] ASPINALL, IAN HENRY, GB	[85] 2023-11-01
[85] 2023-11-01	[71] SYNGENTA CROP PROTECTION AG, CH	[86] 2022-04-22 (PCT/CA2022/050624)
[86] 2022-05-31 (PCT/EP2022/064668)	[85] 2023-11-01	[87] (WO2022/232905)
[87] (WO2022/253785)	[86] 2022-05-12 (PCT/EP2022/062914)	[30] US (63/183,385) 2021-05-03
[30] EP (21176899.9) 2021-05-31	[87] (WO2022/243155)	[30] US (63/185,210) 2021-05-06
	[30] EP (21174854.6) 2021-05-19	[30] US (63/278,916) 2021-11-12
	[21] 3,217,596 [13] A1	
	[51] Int.Cl. C12Q 1/6886 (2018.01)	
	[25] EN	
	[54] PREDICTIVE MIRNAS FOR RESPONSE TO CANCER THERAPY	[21] 3,217,598 [13] A1
	[54] MIARN PREDICTIFS D'UNE REPONSE A UNE THERAPIE ANTICANCEREUSE	[51] Int.Cl. A61K 31/404 (2006.01) A61K 31/5377 (2006.01)
	[72] RAJAKUMAR, TIMOTHY, DE	[25] EN
	[72] STEINKRAUS, BRUNO, DE	[54] DIAGNOSING AND TREATING CRITICALLY ILL SUBJECTS
	[72] JEHN, JULIA, DE	[54] DIAGNOSTIC ET TRAITEMENT DE SUJETS GRAVEMENT MALADES
	[72] HOROS, RASTISLAV, DE	[72] JOHANSSON, PAR INGEMAR, SE
	[72] SIKOSEK, TOBIAS, DE	[72] HEE HENRIKSEN, HANNE, DK
	[71] HUMMINGBIRD DIGANOSTICS GMBH, DE	[71] RIGSHOSPITALET, DK
	[85] 2023-11-01	[85] 2023-11-01
	[86] 2022-04-13 (PCT/EP2022/059970)	[86] 2022-05-05 (PCT/EP2022/062100)
	[87] (WO2022/242967)	[87] (WO2022/233994)
	[30] EP (21174970.0) 2021-05-20	[30] EP (21172378.8) 2021-05-06
	[30] EP (21196432.5) 2021-09-13	
[21] 3,217,591 [13] A1		
[51] Int.Cl. C07K 14/165 (2006.01) A61P 31/14 (2006.01)		
[25] EN		
[54] CORONAVIRUS AND INFLUENZA COMPOSITIONS AND METHODS FOR USING THEM		
[54] COMPOSITIONS CONTRE LES CORONAVIRUS ET LA GRIPPE ET LEURS METHODES D'UTILISATION		
[72] PATEL, NITA, US		
[72] ZHOU, BIN, US		
[72] GUEBRE-XABIER, MIMI, US		
[72] TIAN, JING-HUI, US		
[72] PORTNOFF, ALYSE D., US		
[72] MASSARE, MICHAEL J., US		
[72] SHINDE, VIVEK, US		
[72] FRIES, LOUIS, US		
[72] SMITH, GALE, US		
[71] NOVAVAX, INC., US		
[85] 2023-11-01		
[86] 2022-05-03 (PCT/US2022/027465)		
[87] (WO2022/235663)		
[30] US (63/184,727) 2021-05-05		
[30] US (63/193,356) 2021-05-26		
[30] US (63/255,685) 2021-10-14		
[30] US (63/332,537) 2022-04-19		

PCT Applications Entering the National Phase

[21] **3,217,599**
[13] A1

[51] **Int.Cl. A22B 3/00 (2006.01)**
[25] EN
[54] **MODULAR SYSTEM AND METHOD FOR DELIVERING ANAESTHETIC GAS FOR STUNNING ANIMALS PRIOR TO SLAUGHTER**
[54] **SYSTEME MODULAIRE ET PROCEDE DE DISTRIBUTION DE GAZ ANESTHESANT POUR ETOURDIR DES ANIMAUX AVANT L'ABATTAGE**
[72] RINKLAKE, ANSGAR, DE
[72] BROUNS, MARCEL, DE
[72] MAYOUFI OUERGHEMMI, NADIA, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGE CLAUDE, FR
[85] 2023-11-01
[86] 2022-05-12 (PCT/EP2022/062882)
[87] (WO2022/243146)
[30] DE (10 2021 112 741.6) 2021-05-17

[21] **3,217,600**
[13] A1

[25] EN
[54] **BED HAVING FEATURES FOR ESTIMATING CORE BODY TEMPERATURES FROM SENSING OF CARDIAC PARAMETERS AND EXTERNAL TEMPERATURE**
[54] **LIT AYANT DES CARACTERISTIQUES POUR ESTIMER DES TEMPERATURES CORPORELLES CENTRALES A PARTIR DE LA DETECTION DE PARAMETRES CARDIAQUES ET D'UNE TEMPERATURE EXTERNE**
[72] GARCIA MOLINA, GARY N., US
[72] MAKARAM, NIKHIL, US
[72] GRABINGER, CORY LEE, US
[72] KARSCHNIK, KODY LEE, US
[71] SLEEP NUMBER CORPORATION, US
[85] 2023-11-01
[86] 2022-05-06 (PCT/US2022/028148)
[87] (WO2022/236105)
[30] US (63/185,211) 2021-05-06

[21] **3,217,601**
[13] A1

[25] EN
[54] **SENSOR ASSEMBLY FOR USE BETWEEN A GROUND ENGAGING TOOL AND A BUCKET**
[54] **ENSEMBLE CAPTEUR DESTINE A ETRE UTILISE ENTRE UN OUTIL DE MISE EN PRISE AVEC LE SOL ET UN GODET**
[72] KNOWLES, BRUCE, AU
[72] JAVADI, MEHRDAD, AU
[71] SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION SUPPLY) PTY LTD, AU
[85] 2023-11-01
[86] 2022-05-02 (PCT/AU2022/050406)
[87] (WO2022/236359)
[30] EP (21172982.7) 2021-05-10

[21] **3,217,602**
[13] A1

[51] **Int.Cl. A61P 25/02 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **PREVENTION AND TREATMENT OF CHEMOTHERAPY-INDUCED NEUROPATHIC PAIN**
[54] **PREVENTION ET TRAITEMENT DE LA DOULEUR NEUROPATHIQUE INDUITE PAR UNE CHIMIOETHERAPIE**
[72] PETERSEN, KENNETH, DK
[72] MUNRO, GORDON, DK
[72] MELDGAARD MADSEN, TORSTEN, DK
[71] HOBA THERAPEUTICS APS, DK
[85] 2023-11-01
[86] 2022-05-05 (PCT/EP2022/062083)
[87] (WO2022/233989)
[30] EP (21172472.9) 2021-05-06

[21] **3,217,604**
[13] A1

[51] **Int.Cl. A01D 41/12 (2006.01)**
[25] EN
[54] **WEED SEED DESTRUCTION**
[54] **DESTRUCTION DE GRAINES D'ADVENTICES**
[72] MAYERLE, DEAN, CA
[71] TRITANA INTELLECTUAL PROPERTY LTD., CA
[85] 2023-11-01
[86] 2022-05-06 (PCT/CA2022/050711)
[87] (WO2023/004494)
[30] US (63/227,575) 2021-07-30

[21] **3,217,605**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) C07D 401/04 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **ARYL 3-OXOPIPERAZINE CARBOXAMIDES AND HETEROARYL 3-OXOPIPERAZINE CARBOXAMIDES AS NAV1.8 INHIBITORS**
[54] **ARYL 3-OXOPIPERAZINE CARBOXAMIDES ET HETEROARYL 3-OXOPIPERAZINE CARBOXAMIDES UTILISES EN TANT QU'INHIBITEURS DE NAV1.8**
[72] ARASAPPAN, ASHOK, US
[72] BELL, IAN M., US
[72] COX, JASON M., US
[72] KELLY, MICHAEL J. III, US
[72] LAYTON, MARK ERIC, US
[72] LIU, HONG, US
[72] LIU, JIAN, US
[72] SHAH, AKSHAY A., US
[72] VANHEYST, MICHAEL D., US
[71] MERCK SHARP & DOHME LLC, US
[85] 2023-11-01
[86] 2022-05-02 (PCT/US2022/027262)
[87] (WO2022/235558)
[30] US (63/185,608) 2021-05-07

[21] **3,217,606**
[13] A1

[51] **Int.Cl. A01M 1/10 (2006.01) A01M 1/14 (2006.01) A01M 23/16 (2006.01)**
[25] EN
[54] **REMOTE MONITORING DEVICE FOR ANIMALS OR INSECTS**
[54] **DISPOSITIF DE SURVEILLANCE A DISTANCE POUR ANIMAUX OU INSECTES**
[72] WAINOHU, JEFFERY, AU
[71] PESTRAC MONITORING SYSTEMS AUSTRALIA PTY LTD, AU
[85] 2023-11-01
[86] 2022-05-24 (PCT/AU2022/050500)
[87] (WO2022/246508)
[30] AU (2021901550) 2021-05-24

Demandes PCT entrant en phase nationale

[21] **3,217,607**
[13] A1

[51] **Int.Cl. E02F 3/88 (2006.01) E02F 3/92 (2006.01) E02F 5/00 (2006.01) E02F 5/28 (2006.01) E02F 7/06 (2006.01)**

[25] EN
[54] **DREDGE SYSTEM**
[54] **SYSTEME DE DRAGUE**
[72] WAHLGREN, DANIEL, US
[72] WEINRIB, BENJAMIN CHARLES, US
[71] EDDY PUMP CORPORATION, US
[85] 2023-11-01
[86] 2022-05-05 (PCT/US2022/027839)
[87] (WO2022/235908)
[30] US (17/308,162) 2021-05-05

[21] **3,217,608**
[13] A1

[51] **Int.Cl. A61K 31/522 (2006.01) A61K 31/5377 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 471/04 (2006.01) C07D 473/32 (2006.01)**

[25] EN
[54] **IDH MUTANT INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR DE MUTANT D'IDH ET SON UTILISATION**
[72] XIE, YULI, CN
[72] FAN, HOUXING, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2023-11-01
[86] 2022-06-15 (PCT/CN2022/099018)
[87] (WO2022/262784)
[30] CN (202110661394.5) 2021-06-15

[21] **3,217,609**
[13] A1

[51] **Int.Cl. D04H 1/067 (2012.01) D04H 1/26 (2012.01) D04H 1/28 (2012.01) D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/4382 (2012.01) D04H 1/541 (2012.01) D21H 11/12 (2006.01) D21H 13/02 (2006.01) D21H 13/10 (2006.01)**

[25] EN
[54] **SUSTAINABLY-SOURCED, HIGH STRENGTH NON WOVEN**
[54] **NON TISSE A HAUTE RESISTANCE ISSU D'UN APPROVISIONNEMENT DURABLE**
[72] LATTEN, PAUL, US
[71] FYBERVEK HOLDINGS LLC, US
[85] 2023-11-01
[86] 2022-05-06 (PCT/US2022/028004)
[87] (WO2022/236005)
[30] US (63/185,746) 2021-05-07

[21] **3,217,610**
[13] A1

[51] **Int.Cl. H02H 1/00 (2006.01)**

[25] EN
[54] **ARC FAULT SOLUTION FOR MULTIPLE ELECTRIC DEVICES**
[54] **SOLUTION DE DEFAUT D'ARC POUR PLUSIEURS DISPOSITIFS ELECTRIQUES**
[72] IONESCU, BOGDAN CRISTIAN, US
[71] INNOMOTICS GMBH, DE
[85] 2023-11-01
[86] 2021-05-21 (PCT/US2021/033742)
[87] (WO2022/245375)

[21] **3,217,611**
[13] A1

[51] **Int.Cl. A61K 47/10 (2017.01)**

[25] EN
[54] **GASTRIC RESIDENCE SYSTEMS COMPRISING BUPRENORPHINE AND NALOXONE**
[54] **SYSTEMES DE RESIDENCE GASTRIQUE COMPRENANT DE LA BUPRENORPHINE ET DE LA NALOXONE**
[72] BHISE, NUPURA, US
[72] KATSTRA, JEFFREY, US
[72] ALTREUTER, DAVID, US
[71] LYNDRA THERAPEUTICS, INC., US
[85] 2023-11-01
[86] 2022-05-04 (PCT/US2022/072114)
[87] (WO2022/236288)
[30] US (63/184,734) 2021-05-05

[21] **3,217,612**
[13] A1

[51] **Int.Cl. G01R 27/26 (2006.01) G01R 31/64 (2020.01) G01R 31/42 (2006.01) H02H 3/353 (2006.01) H02H 7/16 (2006.01)**

[25] EN
[54] **DETERMINING METHOD AND APPARATUS FOR WORKING VOLTAGE OF ISOLATED NEUTRAL SYSTEM**
[54] **PROCEDE ET APPAREIL DE DETERMINATION DE TENSION DE FONCTIONNEMENT D'UN RESEAU A NEUTRE ISOLE**
[72] LIAN, HAI TAO, CN
[72] WANG, FEI, CN
[72] MEI, HUI NAN, CN
[72] SHEN, LIANG, CN
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2023-11-01
[86] 2022-05-20 (PCT/EP2022/063696)
[87] (WO2022/248351)
[30] CN (202110567792.0) 2021-05-24

[21] **3,217,613**
[13] A1

[51] **Int.Cl. A61M 5/38 (2006.01)**

[25] EN
[54] **INFUSION FILTER, AND INFUSION SET WITH INFUSION FILTER**
[54] **FILTRE DE PERFUSION ET ENSEMBLE DE PERFUSION AVEC FILTRE DE PERFUSION**
[72] ZERBES, MICHAEL, DE
[72] FREITAG, CLAUDIA, DE
[72] KATERKAMP, ANDREAS, DE
[71] B. BRAUN MELSUNGEN AG, DE
[85] 2023-11-01
[86] 2022-04-29 (PCT/EP2022/061519)
[87] (WO2022/233731)
[30] DE (10 2021 111 888.3) 2021-05-06

PCT Applications Entering the National Phase

[21] **3,217,616**
[13] A1

[51] **Int.Cl. B22F 10/36 (2021.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 50/02 (2015.01) B22F 10/28 (2021.01) B22F 12/44 (2021.01)**

[25] EN

[54] **ADDITIVE MANUFACTURING USING LIGHT STEERING AND/OR DYNAMIC BEAM SHAPING**

[54] **FABRICATION ADDITIVE A LUMIERE DIRIGEE ET/OU ADAPTATION DYNAMIQUE DE FORME DE FAISCEAU**

[72] BULS, SAM, BE

[72] ST QUINTIN, ANDRA, CA

[72] KUMARAN, RAVEEN, CA

[71] MTT INNOVATION INCORPORATED, CA

[85] 2023-10-20

[86] 2022-05-05 (PCT/CA2022/050709)

[87] (WO2022/232941)

[30] US (63/185,429) 2021-05-07

[21] **3,217,617**
[13] A1

[51] **Int.Cl. B29C 53/08 (2006.01) A61M 1/04 (2006.01) A61M 25/02 (2006.01)**

[25] EN

[54] **ENDOTRACHEAL TUBE SUPPORT DEVICES**

[54] **DISPOSITIFS DE SUPPORT DE TUBE ENDOTRACHEAL**

[72] VAHABZADEH-HAGH, ANDREW, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2023-10-20

[86] 2022-04-22 (PCT/US2022/071882)

[87] (WO2022/226541)

[30] US (63/179,130) 2021-04-23

[21] **3,217,618**
[13] A1

[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/351 (2014.01) B42D 25/36 (2014.01)**

[25] EN

[54] **PROCESS FOR APPLYING RESINOUS FLUIDS FOR CAST MICRO-OPTIC STRUCTURES MANUFACTURING**

[54] **PROCEDE PERMETTANT D'APPLIQUER DES FLUIDES RESINEUX POUR LA FABRICATION DE STRUCTURES MICRO-OPTIQUES COULEES**

[72] COTE, PAUL F., US

[71] CRANE & CO., INC., US

[85] 2023-10-20

[86] 2022-04-22 (PCT/US2022/071877)

[87] (WO2022/226540)

[30] US (63/178,844) 2021-04-23

[21] **3,217,620**
[13] A1

[51] **Int.Cl. B41M 3/14 (2006.01) B42D 25/20 (2014.01) B42D 25/21 (2014.01) B42D 25/24 (2014.01) B42D 25/324 (2014.01) B42D 25/378 (2014.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRECISION INKING OF MICRO-OPTIC RECESSES**

[54] **SYSTEME ET PROCEDE D'ENCRAGE DE PRECISION D'EVIDEMENTS MICRO-OPTIQUES**

[72] COTE, PAUL F., US

[71] CRANE & CO., INC., US

[85] 2023-10-20

[86] 2022-04-22 (PCT/US2022/071874)

[87] (WO2022/226538)

[30] US (63/178,825) 2021-04-23

[21] **3,217,621**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01)**

[25] EN

[54] **T CELL RECEPTORS (TCRS) TARGETING MINOR HISTOCOMPATIBILITY ANTIGEN HA-1**

[54] **RECEPTEURS DES LYMPHOCYTES T (TCR) CIBLANT L'ANTIGENE D'HISTOCOMPATIBILITE MINEURE HA-1**

[72] ITO, SAWA, US

[72] SHLOMCHIK, WARREN DAVID, US

[72] SHLOMCHIK, MARK JAY, US

[72] PANOUSIS, CONSTANTINOS GEORGE, US

[72] KIM, JOSH, US

[72] MARTIN, ERIK, US

[72] WIKENHEISER, DANIEL, US

[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US

[71] BLUESPHERE BIO, INC., US

[85] 2023-10-20

[86] 2022-05-02 (PCT/US2022/027311)

[87] (WO2022/235577)

[30] US (63/183,515) 2021-05-03

[30] US (63/251,261) 2021-10-01

[21] **3,217,623**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHOD FOR OPTIMIZED PEPTIDE VACCINES USING RESIDUE OPTIMIZATION**

[54] **COMPOSITIONS ET METHODES POUR VACCINS PEPTIDIQUES OPTIMISES UTILISANT UNE OPTIMISATION DE RESIDUS**

[72] GIFFORD, DAVID KENNETH, US

[72] CARTER, BRANDON, US

[71] THINK THERAPEUTICS, INC., US

[85] 2023-10-20

[86] 2022-04-26 (PCT/US2022/026354)

[87] (WO2022/232148)

[30] US (17/243,096) 2021-04-28

Demandes PCT entrant en phase nationale

[21] **3,217,625**
[13] A1

[51] **Int.Cl. C21D 1/26 (2006.01) C21D 6/00 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/22 (2006.01) C22C 38/34 (2006.01) C22C 38/38 (2006.01)**

[25] EN
[54] **METHOD OF MANUFACTURING OF A STEEL PART**
[54] **PROCEDE DE FABRICATION D'UNE PIECE EN ACIER**

[72] FORT, PIERRICK, FR
[72] NADLER, AUDE, FR
[72] ZHU, KANGYING, FR
[72] PERLADE, ASTRID, FR
[72] SOLER, MICHEL, FR
[72] KEGEL, FREDERIC, FR
[71] ARCELORMITTAL, LU
[85] 2023-10-20
[86] 2021-07-16 (PCT/IB2021/056448)
[87] (WO2023/285867)

[21] **3,217,626**
[13] A1

[51] **Int.Cl. G01G 19/08 (2006.01)**

[25] EN
[54] **FORKLIFT TRUCK SENSOR SCALE**
[54] **BALANCE DE CAPTEUR DE CHARIOT ELEVATEUR A FOURCHE**

[72] SUKALSKI, ANDREW, US
[72] JOHNSON, THOMAS HOWARD, US
[72] DETERT, KEVIN, US
[72] HAINY, CORY, US
[72] HOLLAND, ERIC, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2023-10-21
[86] 2022-04-06 (PCT/US2022/023655)
[87] (WO2022/231805)
[30] US (63/180,288) 2021-04-27
[30] US (17/713,360) 2022-04-05

[21] **3,217,628**
[13] A1

[25] EN
[54] **DETECTION OF LABELS IN BIOMEDICAL IMAGES**
[54] **DETECTION D'ETIQUETTES DANS DES IMAGES BIOMEDICALES**

[72] GENESLAW, LUKE, US
[72] FUCHS, THOMAS, US
[72] YARLAGADDA, DIG VIJAY KUMAR, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[85] 2023-11-02
[86] 2022-05-02 (PCT/US2022/027278)
[87] (WO2022/235564)
[30] US (63/183,360) 2021-05-03

[21] **3,217,632**
[13] A1

[51] **Int.Cl. A61K 31/122 (2006.01) A61K 9/00 (2006.01) A61K 31/137 (2006.01) A61K 31/192 (2006.01) A61K 31/198 (2006.01) A61K 31/4412 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/575 (2006.01) A61K 38/26 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01)**

[25] EN
[54] **DRUG COCKTAIL FOR TREATMENT OF PARKINSON'S DISEASE, LEWY BODY DISEASE AND MULTIPLE SYSTEM ATROPHY**
[54] **COCKTAIL DE MEDICAMENTS POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON, DE LA MALADIE A CORPS DE LEWY ET DE L'ATROPHIE MULTISYSTEMATISEE**

[72] SHTILBANS, ALEXANDER, US
[71] ALETA NEUROSCIENCE, LLC, US
[85] 2023-10-20
[86] 2022-04-18 (PCT/IB2022/053599)
[87] (WO2022/224118)
[30] US (63/177,362) 2021-04-20
[30] US (63/203,819) 2021-07-30
[30] US (63/261,151) 2021-09-14
[30] US (63/263,262) 2021-10-29

[21] **3,217,637**
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01)**

[25] EN
[54] **ANTI-CLDN4/ANTI-CD137 BISPECIFIC ANTIBODY**
[54] **ANTICORPS BISPECIFIQUE ANTI-CLDN4/ANTI-CD137**

[72] TENDA, YOSHIYUKI, JP
[72] YURI, MASATOSHI, JP
[72] YAGI, SHIGENORI, JP
[72] SATAKE, YOSHIKI, JP
[72] HIRAYAMA, KAZUNORI, JP
[72] SHIRAI, HIROKI, JP
[72] SASAKI, HIROKI, JP
[72] CHIWAKI, FUMIKO, JP
[72] KOMATSU, MASAYUKI, JP
[71] ASTELLAS PHARMA INC., JP
[71] NATIONAL CANCER CENTER, JP
[85] 2023-10-20
[86] 2022-04-21 (PCT/JP2022/018350)
[87] (WO2022/224997)
[30] JP (2021-072429) 2021-04-22

PCT Applications Entering the National Phase

[21] **3,217,638**
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 51/02 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **HUMANISED ANTIBODIES LABELLED WITH RADIONUCLIDES THAT EMIT .BETA.-RAYS**

[54] **ANTICORPS HUMANISE MARQUE PAR UN NUCLEIDE EMETTANT UN RAYONNEMENT .BETA.**

[72] YAMADA, MASATO, JP
[72] TAKENAKA, FUMIAKI, JP
[72] HARADA, KOTARO, JP
[72] KOMURA, MOMOKO, JP
[72] MATONO, MITSUHIRO, JP
[72] OTSUKI, KUMIKO, JP
[72] OCHIAi, YASUSHI, JP
[72] MURAKAMI, TAKAYUKI, JP
[71] NIHON MEDI-PHYSICS CO., LTD., JP

[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2023-10-20
[86] 2022-04-21 (PCT/JP2022/018413)
[87] (WO2022/225006)
[30] JP (2021-072201) 2021-04-21

[21] **3,217,639**
[13] A1

[51] **Int.Cl. A61K 51/10 (2006.01) A61K 47/69 (2017.01) A61K 31/198 (2006.01) A61K 31/341 (2006.01) A61K 31/585 (2006.01) A61K 33/24 (2019.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61K 47/22 (2006.01) A61P 13/12 (2006.01) A61P 35/00 (2006.01) A61P 39/04 (2006.01) A61P 43/00 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**

[25] EN

[54] **RADIOACTIVE ANTITUMOR AGENT**

[54] **AGENT ANTITUMORAL RADIOACTIF**

[72] KOMOTO, SHOTA, JP
[72] YAMADA, NAOAKI, JP
[71] NIHON MEDI-PHYSICS CO., LTD., JP

[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2023-10-20
[86] 2022-04-21 (PCT/JP2022/018414)
[87] (WO2022/225007)
[30] JP (2021-072206) 2021-04-21

[21] **3,217,641**
[13] A1

[51] **Int.Cl. A61F 13/505 (2006.01) A61F 13/53 (2006.01) A61F 13/551 (2006.01)**

[25] EN

[54] **IMPROVED GARMENT FOR TREATMENT OF INCONTINENCE**

[54] **VETEMENT AMELIORE DESTINE AU TRAITEMENT DE L'INCONTINENCE**

[72] FENNEL, ALEXANDRA, US
[72] ABBRUZZESE, MIA, US
[72] HOWARD, STEPHANIE L., US
[72] BECK, BENJAMIN J., US
[72] MCDUFFEE, MICHAEL T., US
[72] JOHNSON, MALORY, US
[71] ATTN: GRACE, INC., US

[85] 2023-10-20
[86] 2022-04-20 (PCT/US2022/025507)
[87] (WO2022/226042)
[30] US (63/177,247) 2021-04-20
[30] US (63/211,125) 2021-06-16
[30] US (63/276,845) 2021-11-08

[21] **3,217,642**
[13] A1

[51] **Int.Cl. E04F 21/18 (2006.01) E04F 13/08 (2006.01) E04G 21/18 (2006.01)**

[25] EN

[54] **TEMPLATE**

[54] **GABARIT**

[72] SIMONIN, JEAN-LUC, US
[71] ILLINOIS TOOL WORKS INC., US

[85] 2023-10-21
[86] 2022-04-22 (PCT/US2022/025917)
[87] (WO2022/231965)
[30] EP (21170551.2) 2021-04-26
[30] EP (21182205.1) 2021-06-28
[30] FR (FR2202069) 2022-03-09

[21] **3,217,655**
[13] A1

[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/49 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL GEL COMPOSITION AND USE THEREOF**

[54] **COMPOSITION DE GEL BUCCAL ET SON UTILISATION**

[72] SCHULZE ZUR WIESCHE, ERIK, DE
[72] ENAX, JOACHIM, DE
[72] MEYER, FREDERIC, DE
[71] DR. KURT WOLFF GMBH & CO. KG, DE

[85] 2023-10-23
[86] 2022-04-28 (PCT/DE2022/100316)
[87] (WO2022/233360)
[30] DE (10 2021 111 387.3) 2021-05-03

[21] **3,217,656**
[13] A1

[51] **Int.Cl. C11D 3/386 (2006.01) C12N 9/22 (2006.01)**

[25] EN

[54] **CLEANING OR TREATMENT COMPOSITIONS CONTAINING NUCLEASE ENZYMES**

[54] **COMPOSITIONS DE NETTOYAGE OU DE TRAITEMENT CONTENANT DES ENZYMES NUCLEASES**

[72] GORI, KLAUS, DK
[72] NOERGAARD, ALLAN, DK
[72] SALOMON, JESPER, DK
[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2023-11-02
[86] 2022-06-22 (PCT/US2022/073073)
[87] (WO2022/272255)
[30] EP (21180900.9) 2021-06-22

Demandes PCT entrant en phase nationale

[21] 3,217,661 [13] A1	[21] 3,217,671 [13] A1	[21] 3,217,680 [13] A1
[51] Int.Cl. C07D 471/04 (2006.01) C07D 487/04 (2006.01)	[51] Int.Cl. A61K 9/127 (2006.01) A61K 9/00 (2006.01) A61P 43/00 (2006.01)	[51] Int.Cl. C04B 2/12 (2006.01) F27B 1/22 (2006.01) F27B 1/24 (2006.01)
[25] EN	[25] EN	[25] EN
[54] SMALL MOLECULE CYCLIN DEPENDENT KINASE 4/6 (CDK4/6) AND IKZF2 (HELIOS) DEGRADERS AND METHODS OF USE THEREOF	[54] EXOSOME SYSTEMS, PRODUCTS AND METHODS	[54] DECARBONATION PROCESS OF CARBONATED MATERIALS IN A MULTI-SHAFT VERTICAL KILN
[54] AGENTS DE DEGRADATION DE LA KINASE DEPENDANTE DE LA CYCLINE 4/6 (CDK4/6) ET IKZF2 (HELIOS) A PETITES MOLECULES ET LEURS PROCEDES D'UTILISATION	[54] SYSTEMES D'EXOSOMES, PRODUITS ET METHODES	[54] PROCEDE DE DECARBONATION DE MATIERES CARBONEES DANS UN FOUR VERTICAL A PLUSIEURS ARBRES
[72] VERANO, ALYSSA, US	[72] GHALILI, BABAK, US	[72] THIBEAUMONT, ETIENNE, BE
[72] WANG, ERIC, US	[72] JANANI, KEYON, US	[72] AUBERT, ALEX, BE
[72] YOU, INCHUL, US	[72] SCHERP, PETER, US	[72] CAMBIER, PIERRE-OLIVIER, BE
[72] GRAY, NATHANAEL, US	[72] BORJA, JOHN, US	[72] ROBIN, CHARLES, BE
[71] DANA-FARBER CANCER INSTITUTE, INC., US	[71] GHALILI, BABAK, US	[71] TECFORLIME, BE
[85] 2023-11-02	[85] 2023-07-11	[85] 2023-10-23
[86] 2022-07-15 (PCT/US2022/073782)	[86] 2022-01-11 (PCT/US2022/011893)	[86] 2022-05-10 (PCT/EP2022/062608)
[87] (WO2023/288305)	[87] (WO2022/150734)	[87] (WO2022/238387)
[30] US (63/222,646) 2021-07-16	[30] US (63/135,817) 2021-01-11	[30] EP (21173257.3) 2021-05-11
		[30] EP (21173263.1) 2021-05-11
		[30] EP (21197037.1) 2021-09-16
		[30] EP (21197039.7) 2021-09-16
		[30] EP (21214128.7) 2021-12-13
	[21] 3,217,674 [13] A1	
	[51] Int.Cl. E01B 31/12 (2006.01)	
	[25] EN	
	[54] METHOD FOR REPROFILING AT LEAST ONE SWITCH BLADE	
	[54] PROCEDE DE REPROFILAGE D'AU MOINS UNE LAME D'UN AIGUILLAGE POSE DANS UNE VOIE FERREE	
	[72] HOFMANN, STEFAN, AT	
	[71] MATE GMBH, AT	
	[85] 2023-10-23	
	[86] 2022-04-19 (PCT/AT2022/060124)	
	[87] (WO2022/221898)	
	[30] AT (A50294/2021) 2021-04-21	
	[21] 3,217,677 [13] A1	
	[51] Int.Cl. C08J 3/22 (2006.01)	
	[25] EN	
	[54] A MASTERBATCH FOR UPGRADING POLYESTERS	
	[54] MELANGE MAITRE POUR LA VALORISATION DE POLYESTERS	
	[72] SOLANO ARRIBAS, CARLOS, SE	
	[72] PISCIOTTI, FRANCESCO, SE	
	[72] ROME, DANIEL, SE	
	[71] NEXAM CHEMICAL AB, SE	
	[85] 2023-10-23	
	[86] 2022-04-25 (PCT/EP2022/060803)	
	[87] (WO2022/229043)	
	[30] EP (21170500.9) 2021-04-26	
[21] 3,217,663 [13] A1		[21] 3,217,683 [13] A1
[51] Int.Cl. C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01C 1/04 (2006.01)		[51] Int.Cl. H03F 19/00 (2006.01) H03D 7/00 (2006.01)
[25] EN		[25] EN
[54] METHOD FOR PRODUCTION OF BLUE AMMONIA		[54] ISOLATING AMPLIFIER APPARATUS
[54] PROCEDE DE PRODUCTION D'AMMONIAC BLEU		[54] APPAREIL AMPLIFICATEUR D'ISOLATION
[72] KAKOTI, AMEET, DK		[72] GOVENIUS, JOONAS, FI
[72] DAHL, PER JUUL, DK		[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI
[71] TOPSOE A/S, DK		
[85] 2023-10-23		[85] 2023-10-23
[86] 2022-04-06 (PCT/EP2022/059091)		[86] 2022-04-28 (PCT/FI2022/050278)
[87] (WO2022/228839)		[87] (WO2022/234183)
[30] EP (21170905.0) 2021-04-28		[30] FI (20215530) 2021-05-05

PCT Applications Entering the National Phase

[21] **3,217,685**
[13] A1

[51] **Int.Cl. B29C 48/00 (2019.01) B65D 75/32 (2006.01) B65D 75/36 (2006.01) B65D 75/58 (2006.01)**

[25] EN

[54] **BLISTER PACKAGES CONTAINING ACTIVE MATERIAL AND METHODS OF MAKING AND USING SAME**

[54] **EMBALLAGES-COQUES CONTENANT UN MATERIAU ACTIF ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] HOLLINGER, JAMES S., US

[71] CSP TECHNOLOGIES, INC., US

[85] 2023-11-02

[86] 2022-05-06 (PCT/US2022/072152)

[87] (WO2022/236313)

[30] US (63/201,621) 2021-05-06

[21] **3,217,686**
[13] A1

[51] **Int.Cl. C08F 212/08 (2006.01) B65D 25/34 (2006.01) C08F 220/18 (2006.01) C08G 63/40 (2006.01) C08G 63/91 (2006.01)**

[25] EN

[54] **COATING COMPOSITIONS AND ARTICLES COATED THEREWITH**

[54] **COMPOSITIONS DE REVETEMENT ET ARTICLES REVETUS AVEC CELLES-CI**

[72] ARNOLD, RACHELLE MARIE, US

[72] DEAN, EDWARD ROBERT, US

[72] LIST, MICHAEL, US

[72] SCHATZ, STEVEN DEAN, US

[72] SMITH, KRISTA ROSE, US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2023-11-02

[86] 2022-05-20 (PCT/US2022/072457)

[87] (WO2022/246461)

[30] US (63/191,794) 2021-05-21

[21] **3,217,697**
[13] A1

[51] **Int.Cl. A61K 31/343 (2006.01) A61K 9/42 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61K 47/44 (2017.01) A61P 13/12 (2006.01) A61P 33/00 (2006.01)**

[25] EN

[54] **THERAPEUTIC METHOD FOR CAT WITH CHRONIC KIDNEY DISEASE**

[54] **PROCEDE DE TRAITEMENT D'UN FELIN ATTEINT D'UNE NEPHROPATHIE CHRONIQUE**

[72] MATSUURA, TAKUMI, JP

[72] KURUMATANI, HAJIMU, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2023-10-23

[86] 2022-06-15 (PCT/JP2022/023876)

[87] (WO2022/265031)

[30] JP (2021-100475) 2021-06-16

[21] **3,217,711**
[13] A1

[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/30 (2006.01) C02F 1/50 (2006.01)**

[25] EN

[54] **IMPROVED BIOCIDAL COMPOSITIONS**

[54] **COMPOSITIONS BIOCIDES AMELIOREES**

[72] AN, JUN SU, US

[72] TAN, LOONGYI, US

[72] HELANDER, JASON, US

[72] NGANTUNG, FREDERYK, US

[72] HUNT, SEAN, US

[72] CHAKRABARTI, GAURAB, US

[71] SOLUGEN, INC., US

[85] 2023-10-23

[86] 2022-04-25 (PCT/US2022/026218)

[87] (WO2022/226421)

[30] US (63/179,166) 2021-04-23

[21] **3,217,717**
[13] A1

[51] **Int.Cl. A61K 47/61 (2017.01) A61K 47/54 (2017.01)**

[25] EN

[54] **GLYCAN MODIFIED NUCLEIC ACIDS, METHODS OF PREPARATION, AND THERAPEUTIC USES**

[54] **ACIDES NUCLEIQUES MODIFIES PAR UN GLYCANE, PROCEDES DE PREPARATION ET UTILISATIONS THERAPEUTIQUES**

[72] FLYNN, RYAN A., US

[72] GOODMAN, BRIAN, US

[72] LAWLOR, CIARAN, US

[72] BISARIA, NAMITA, US

[72] CUMMINGS, RICHARD D., US

[72] WEI, MOHUI, US

[72] BERTOZZI, CAROLYN R., US

[71] GANNA BIO, INC., US

[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US

[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US

[85] 2023-10-23

[86] 2022-04-25 (PCT/US2022/026117)

[87] (WO2022/226396)

[30] US (63/179,065) 2021-04-23

[30] US (63/188,930) 2021-05-14

[30] US (63/189,492) 2021-05-17

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

<p>[21] 3,208,589 [13] A1</p> <p>[51] Int.Cl. B32B 38/10 (2006.01) B32B 37/00 (2006.01) C09D 5/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SOLVENT-LESS METHOD TO MANUFACTURE THIN FILM DEVICES</p> <p>[54]</p> <p>[72] ARGOITIA, ALBERTO, US</p> <p>[72] LIANG, KANGNING, US</p> <p>[72] SEYDEL, JOHANNES P., US</p> <p>[72] ZIEBA, JAROSLAW, US</p> <p>[71] VIAVI SOLUTIONS INC., US</p> <p>[22] 2019-03-08</p> <p>[41] 2019-09-14</p> <p>[62] 3,036,194</p> <p>[30] US (62/643,038) 2018-03-14</p>	<p>[21] 3,216,858 [13] A1</p> <p>[25] EN</p> <p>[54] BREATHING ASSISTANCE APPARATUS</p> <p>[54] APPAREIL D'ASSISTANCE RESPIRATOIRE</p> <p>[72] VAN SCHALKWYK, ANDRE, NZ</p> <p>[72] SALMON, ANDREW PAUL MAXWELL, NZ</p> <p>[72] LAWSON, JOEL MICHAEL, NZ</p> <p>[72] BURGESS, RUSSEL WILLIAM, NZ</p> <p>[72] LAWRENCE, CAMERON ALEXANDER, NZ</p> <p>[72] MILLER, RACHEL ADELINE, NZ</p> <p>[72] BARKER, DEAN ANTONY, NZ</p> <p>[72] HAWKINS, PETER GEOFFREY, NZ</p> <p>[72] MEISEL, ELLA MARIE, NZ</p> <p>[72] MCKNIGHT, EAMONN BERNARD, NZ</p> <p>[72] O'DONNELL, KEVIN PETER, NZ</p> <p>[72] HAN, JAE CHUL, NZ</p> <p>[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ</p> <p>[22] 2016-06-24</p> <p>[41] 2016-12-29</p> <p>[62] 2,988,239</p> <p>[30] US (62/183,889) 2015-06-24</p> <p>[30] US (62/264,220) 2015-12-07</p> <p>[30] US (62/340,910) 2016-05-24</p>	<p>[21] 3,216,920 [13] A1</p> <p>[25] EN</p> <p>[54] A METHOD OF ISOLATING OF A WELLBORE</p> <p>[54]</p> <p>[72] GREEN, ANNABEL, GB</p> <p>[72] HUNTER, JOHN, GB</p> <p>[72] FROST, CLINT, GB</p> <p>[71] SWELLFIX UK LIMITED, GB</p> <p>[22] 2016-11-28</p> <p>[41] 2017-06-01</p> <p>[62] 3,006,422</p> <p>[30] GB (1521012.3) 2015-11-27</p> <p>[30] GB (1609093.8) 2016-05-24</p>
<p>[21] 3,216,272 [13] A1</p> <p>[25] EN</p> <p>[54] DENTAL FLOSS DISPENSER</p> <p>[54] DISTRIBUTEUR DE FIL DENTAIRE</p> <p>[72] CULLY, EDWARD H., US</p> <p>[72] SCOTTI, CHRISTINE M., US</p> <p>[71] W. L. GORE & ASSOCIATES, INC., US</p> <p>[22] 2019-06-12</p> <p>[41] 2020-12-17</p> <p>[62] 3,138,024</p>	<p>[21] 3,216,868 [13] A1</p> <p>[51] Int.Cl. G05B 19/042 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR SMART SPACES</p> <p>[54] SYSTEMES ET PROCEDES POUR ESPACES INTELLIGENTS</p> <p>[72] FUNES, LUCAS MARCELO, US</p> <p>[71] WEBBEE CORPORATION, US</p> <p>[22] 2015-11-12</p> <p>[41] 2016-05-19</p> <p>[62] 2,967,364</p> <p>[30] US (62/078,337) 2014-11-11</p>	<p>[21] 3,216,921 [13] A1</p> <p>[51] Int.Cl. B08B 9/032 (2006.01) B05C 7/08 (2006.01) B08B 3/02 (2006.01) B08B 9/04 (2006.01) B08B 9/043 (2006.01) B08B 9/045 (2006.01) B08B 13/00 (2006.01) B65H 29/00 (2006.01) F28G 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] FLEXIBLE CLEANING LANCE POSITIONER GUIDE APPARATUS</p> <p>[54] APPAREIL DE GUIDAGE DE DISPOSITIF DE POSITIONNEMENT DE LANCE DE NETTOYAGE FLEXIBLE</p> <p>[72] ZINK, GERALD P., US</p> <p>[71] STONEAGE, INC., US</p> <p>[22] 2015-10-02</p> <p>[41] 2016-04-14</p> <p>[62] 2,961,768</p> <p>[30] US (62/060,162) 2014-10-06</p> <p>[30] US (62/120,691) 2015-02-25</p>
<p>[21] 3,216,287 [13] A1</p> <p>[25] EN</p> <p>[54] MAGNARETRACTOR SYSTEM AND METHOD</p> <p>[54] SYSTEME ET PROCEDE DE MAGNARETRACTION</p> <p>[72] DEUTCH, TODD, US</p> <p>[71] ATTRACTIVE SURGICAL, LLC, US</p> <p>[22] 2008-11-26</p> <p>[41] 2009-06-04</p> <p>[62] 3,122,449</p> <p>[30] US (60/996,575) 2007-11-26</p>	<p>[21] 3,216,868 [13] A1</p> <p>[51] Int.Cl. G05B 19/042 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR SMART SPACES</p> <p>[54] SYSTEMES ET PROCEDES POUR ESPACES INTELLIGENTS</p> <p>[72] FUNES, LUCAS MARCELO, US</p> <p>[71] WEBBEE CORPORATION, US</p> <p>[22] 2015-11-12</p> <p>[41] 2016-05-19</p> <p>[62] 2,967,364</p> <p>[30] US (62/078,337) 2014-11-11</p>	<p>[21] 3,216,921 [13] A1</p> <p>[51] Int.Cl. B08B 9/032 (2006.01) B05C 7/08 (2006.01) B08B 3/02 (2006.01) B08B 9/04 (2006.01) B08B 9/043 (2006.01) B08B 9/045 (2006.01) B08B 13/00 (2006.01) B65H 29/00 (2006.01) F28G 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] FLEXIBLE CLEANING LANCE POSITIONER GUIDE APPARATUS</p> <p>[54] APPAREIL DE GUIDAGE DE DISPOSITIF DE POSITIONNEMENT DE LANCE DE NETTOYAGE FLEXIBLE</p> <p>[72] ZINK, GERALD P., US</p> <p>[71] STONEAGE, INC., US</p> <p>[22] 2015-10-02</p> <p>[41] 2016-04-14</p> <p>[62] 2,961,768</p> <p>[30] US (62/060,162) 2014-10-06</p> <p>[30] US (62/120,691) 2015-02-25</p>

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,216,925**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR MANAGING CHEST DRAINAGE**
[54] **DISPOSITIFS ET PROCEDES DE GESTION DU DRAINAGE THORACIQUE**
[72] LUXON, EVAN S., US
[72] BURNETT, DANIEL R., US
[72] ZIEGLER, MARK, US
[71] CENTESE, INC., US
[22] 2015-09-29
[41] 2016-04-07
[62] 2,958,908
[30] US (62/056,683) 2014-09-29
[30] US (62/136,488) 2015-03-21
[30] US (62/149,559) 2015-04-18
[30] US (62/181,031) 2015-06-17

[21] **3,216,936**
[13] A1

[25] EN
[54] **AUTO-INJECTOR WITH LOCKING CLIP**
[54] **AUTO-INJECTEUR AVEC CLIP DE VERROUILLAGE**
[72] BESSON, NICOLAS, FR
[71] BECTON DICKINSON FRANCE, FR
[22] 2020-02-26
[41] 2020-09-03
[62] 3,127,575
[30] EP (19305223.0) 2019-02-26

[21] **3,216,943**
[13] A1

[25] EN
[54] **SYSTEMS AND METHODS FOR RECEIVING THE OUTPUT OF A DIRECT STEAM INJECTOR**
[54] **SYSTEMES ET PROCEDES DE RECEPTION DE LA SORTIE D'UN INJECTEUR DE VAPEUR DIRECT**
[72] ROTH, NICHOLAS A., US
[71] EMPIRICAL INNOVATIONS, INC., US
[22] 2020-02-19
[41] 2020-08-27
[62] 3,130,131
[30] US (62/808,778) 2019-02-21

[21] **3,216,957**
[13] A1

[25] EN
[54] **AN IMPLANT FOR A BONE JOINT**
[54] **IMPLANT POUR ARTICULATION OSSEUSE**
[72] CLARKE, GERRY, IE
[72] BOLAND, BRENDAN, IE
[72] BRUZZI, MARK, IE
[72] LADD, AMY L., US
[72] WEISS, ARNOLD-PETER C., US
[72] STOCKMANS, FILIP, DE
[71] NATIONAL UNIVERSITY OF IRELAND, GALWAY, IE
[22] 2017-02-10
[41] 2017-08-17
[62] 3,013,969
[30] EP (16155090.0) 2016-02-10

[21] **3,216,966**
[13] A1

[25] EN
[54] **WIRELESS-ENABLED TENSION METER**
[54] **TENSIOMETRE FONCTIONNANT SANS FIL**
[72] BARDIN, TIM R., US
[72] GARRISH, CHAD, US
[72] DANIEL, ALLAN WAYNE, US
[72] TUGGLE, JAMES PHIL, US
[72] TEMBLADOR, RICHARD, US
[71] SOUTHWIRE COMPANY, LLC, US
[22] 2014-09-10
[41] 2015-03-10
[62] 2,863,550
[30] US (61/875926) 2013-09-10

[21] **3,216,967**
[13] A1

[25] EN
[54] **ELECTRICAL POWER SUPPLY STRUCTURES**
[54] **STRUCTURES D'APPROVISIONNEMENT D'ALIMENTATION ELECTRIQUE**
[72] COX, MARTIN, CA
[72] MUDHAR, PARRY SINGH, CA
[72] NGUYEN, TUAN ANH, CA
[72] LEDER, VLADISLAV, CA
[71] SUPERIOR TRAY SYSTEMS INC., CA
[22] 2017-05-02
[41] 2018-11-02
[62] 3,143,151

[21] **3,216,977**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/10 (2006.01) A61M 16/16 (2006.01)**
[25] EN
[54] **BREATHING ASSISTANCE APPARATUS**
[54] **APPAREIL D'ASSISTANCE RESPIRATOIRE**
[72] VAN SCHALKWYK, ANDRE, NZ
[72] SALMON, ANDREW PAUL MAXWELL, NZ
[72] LAWSON, JOEL MICHAEL, NZ
[72] BURGESS, RUSSEL WILLIAM, NZ
[72] LAWRENCE, CAMERON ALEXANDER, NZ
[72] MILLER, RACHEL ADELINE, NZ
[72] BARKER, DEAN ANTONY, NZ
[72] HAWKINS, PETER GEOFFREY, NZ
[72] MEISEL, ELLA MARIE, NZ
[72] MCKNIGHT, EAMONN BERNARD, NZ
[72] O'DONNELL, KEVIN PETER, NZ
[72] HAN, JAE CHUL, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2016-06-24
[41] 2016-12-29
[62] 2,988,239
[30] US (62/183,889) 2015-06-24
[30] US (62/264,220) 2015-12-07
[30] US (62/340,910) 2016-05-24

[21] **3,216,981**
[13] A1

[25] EN
[54] **SUPPORT GARMENT TESTING SYSTEM**
[54] **SYSTEME DE TEST DE VETEMENT DE MAINTIEN**
[72] CAMPBELL, LISA, US
[72] DUFOUR, GREG, US
[72] MUNRO, BRIDGET, US
[72] WRIGHT, IAN, US
[72] BLAIR, KIM B., US
[72] KINGSLEY, DANIEL A., US
[72] MIDDLETON, LURI ROBERT, US
[72] PYE, JOHN DAVID, US
[72] RAPP VAN RODEN, ELIZABETH A., US
[71] NIKE INNOVATE C.V., US
[22] 2020-03-12
[41] 2020-10-01
[62] 3,134,434
[30] US (62/823,370) 2019-03-25
[30] US (16/813,906) 2020-03-10

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,217,021**
[13] A1

[25] EN
[54] **COMBINATION OF IMETELSTAT AND ABT-199 FOR USE IN TREATING HEMATOLOGICAL CANCERS**
[54] **COMBINAISON D'IMETELSTAT ET D'ABT-199 AUX FINS D'UTILISATION DANS LE TRAITEMENT DES CANCERS HEMATOLOGIQUES**
[72] HUANG, FEI, US
[72] RUSBULDT, JOSHUA J., US
[72] RIZO, ALEKSANDRA, US
[71] GERON CORPORATION, US
[22] 2017-07-28
[41] 2018-02-08
[62] 3,032,118
[30] US (62/370,018) 2016-08-02
[30] EP (16197293.0) 2016-11-04
[30] US (62/422,738) 2016-11-16

[21] **3,217,063**
[13] A1

[25] EN
[54] **ADVANCED INLET DESIGN**
[54] **MODELE D'ENTREE EVOLUE**
[72] THOMAS, HOLLY J., US
[72] RIEDEL, BRIAN L., US
[72] CURAUDEAU, ALEXANDRE D., US
[72] FOUTCH, DAVID W., US
[72] MACKIN, STEVE G., US
[71] THE BOEING COMPANY, US
[22] 2018-08-15
[41] 2019-03-22
[62] 3,014,342
[30] US (62/562232) 2017-09-22
[30] US (15/880496) 2018-01-25

[21] **3,217,087**
[13] A1

[25] EN
[54] **DEVICE-FREE LOCALIZATION METHODS WITHIN SMART INDOOR ENVIRONMENTS**
[54]
[72] GHOURCHIAN, NEGAR, CA
[72] ALLEGUE MARTINEZ, MICHEL, CA
[72] PRECUP, DOINA, CA
[71] AERIAL TECHNOLOGIES INC., CA
[22] 2023-10-19
[41] 2023-10-19
[30] US (62/425,267) 2016-11-22

[21] **3,217,123**
[13] A1

[25] EN
[54] **COMPOSITIONS AND DEVICES FOR SYSTEMIC DELIVERY OF URIDINE**
[54] **COMPOSITIONS ET DISPOSITIFS POUR L'ADMINISTRATION SYSTEMIQUE D'URIDINE**
[72] VON BORSTEL, REID W., US
[72] GARCIA GARCIA, ROLANDO ALEJANDRO, US
[71] WELLSTAT THERAPEUTICS CORPORATION, US
[22] 2019-02-01
[41] 2019-08-08
[62] 3,088,213
[30] US (62/624,911) 2018-02-01
[30] US (62/715,848) 2018-08-08

[21] **3,217,158**
[13] A1

[51] **Int.Cl. C23D 5/02 (2006.01) C03C 10/16 (2006.01) C23C 18/00 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **TITANIUM-BASED COATINGS AND METHODS FOR MAKING COATINGS**
[54] **REVETEMENTS A BASE DE TITANE ET PROCEDES DE FABRICATION DE REVETEMENTS**
[72] VAJO, JOHN J., US
[72] ADJORLOLO, ALAIN A., US
[72] GRAETZ, JASON, US
[71] THE BOEING COMPANY, US
[22] 2019-12-10
[41] 2020-07-03
[62] 3,064,839
[30] US (16/239,312) 2019-01-03

[21] **3,217,159**
[13] A1

[25] EN
[54] **SUBSTITUTED QUINAZOLIN-4-AMINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF HAVING ANTI-INFLAMMATORY, ANTIFUNGAL, ANTIPARASITIC AND ANTICANCER ACTIVITY**
[54] **COMPOSES DE QUINAZOLINE-4-AMINE SUBSTITUES ET LEURS COMPOSITIONS PHARMACEUTIQUES AYANT UNE ACTIVITE ANTI-INFLAMMATOIRE, ANTIFONGIQUE, ANTIPARASITAIRE ET ANTICANCEREUSE**
[72] SIMPSON, DAVID M., US
[72] ZERBY, DENNIS BRYAN, US
[72] LU, MING, US
[72] VON BORSTEL, REID W., US
[72] LI, RUI, US
[72] READING, KULIAN, US
[72] WOLPE, STEPHEN, US
[72] AMAN, NUREDDIN, US
[71] WELLSTAT THERAPEUTICS CORPORATION, US
[22] 2014-01-31
[41] 2014-08-07
[62] 3,102,531
[30] US (61/759,512) 2013-02-01

[21] **3,217,170**
[13] A1

[51] **Int.Cl. C23C 18/54 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **TITANIUM-BASED COATINGS AND METHODS FOR MAKING COATINGS**
[54] **REVETEMENTS A BASE DE TITANE ET PROCEDES DE FABRICATION DE REVETEMENTS**
[72] VAJO, JOHN J., US
[72] ADJORLOLO, ALAIN A., US
[72] GRAETZ, JASON, US
[71] THE BOEING COMPANY, US
[22] 2019-12-10
[41] 2020-07-03
[62] 3,064,839
[30] US (16/239,312) 2019-01-03

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,217,237**
[13] A1

[25] EN
[54] **MODELING TDP-43 PROTEINOPATHY**
[54] **MODELISATION DE LA PROTEINOPATHIE A TDP-43**
[72] SHARMA-KANNING, AARTI, US
[72] FRENDEWEY, DAVID, US
[72] ZAMBROWICZ, BRIAN, US
[71] REGENERATION PHARMACEUTICALS, INC., US
[22] 2020-06-26
[41] 2020-12-30
[62] 3,139,469
[30] US (62/867,785) 2019-06-27

[21] **3,217,238**
[13] A1

[25] EN
[54] **COLONY STIMULATING FACTOR-1 RECEPTOR (CSF-1R) INHIBITORS**
[54] **INHIBITEURS DU RECEPTEUR DE FACTEUR-1 DE STIMULATION DE COLONIES (CSF-1R)**
[72] KANE, JOHN L., JR., US
[72] BARBERIS, CLAUDE, US
[72] CZEKAJ, MARK, US
[72] ERDMAN, PAUL, US
[72] GIESE, BARRET, US
[72] KOTHE, MICHAEL, US
[72] LE, TIEU-BINH, US
[72] LIU, JINYU, US
[72] MA, LIANG, US
[72] METZ, MARKUS, US
[72] PATEL, VINOD, US
[72] SCHOLTE, ANDREW, US
[72] SHUM, PATRICK, US
[72] WEI, LIMLI, US
[71] GENZYME CORPORATION, US
[22] 2016-07-19
[41] 2017-01-26
[62] 2,993,018
[30] US (62/194,619) 2015-07-20

[21] **3,217,286**
[13] A1

[51] **Int.Cl. C12N 1/26 (2006.01) C02F 3/34 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR RAPID DEGRADATION AND AMELIORATION OF MARINE OIL SPILLS**
[54] **COMPOSITIONS ET METHODES POUR LA DETERIORATION RAPIDE ET L'AMELIORATION DES DEVERSEMENTS DE PETROLE MARINS**
[72] HOJGAARD, JACOB, CA
[72] HOUGAARD, THOMAS, CA
[72] LOWINGS, MALCOLM, CA
[72] LOWINGS, MICHAEL, CA
[72] NESB0, CAMILLA, CA
[72] STOUGAARD, PETER, CA
[71] 683107 ALBERTA LTD., CA
[22] 2021-11-30
[41] 2022-06-01
[62] 3,151,543
[30] US (63/119,788) 2020-12-01

[21] **3,217,294**
[13] A1

[25] EN
[54] **CARTON AND CARTON BLANK AND A HANDLE STRUCTURE THEREFOR**
[54] **CARTON ET DECOUPE DE CARTON ET STRUCTURE DE POIGNEE A CET EFFET**
[72] BALL, NATHANIEL B., US
[72] CASH, JOHN W. III, US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[22] 2015-10-02
[41] 2016-04-14
[62] 2,963,585
[30] US (62/060,053) 2014-10-06

[21] **3,217,296**
[13] A1

[25] EN
[54] **INSTRUMENT FOR PLACING A STOMACH WALL-STRETCHING DEVICE**
[54] **INSTRUMENT POUR PLACER UN DISPOSITIF D'ETIREMENT DE LA PAROI DE L'ESTOMAC**
[72] FORSELL, PETER, CH
[71] IMPLANTICA PATENT LTD., MT
[22] 2009-01-29
[41] 2009-08-06
[62] 3,109,855
[30] US (61/006,719) 2008-01-29
[30] SE (0802138-8) 2008-10-10

[21] **3,217,311**
[13] A1

[25] EN
[54] **COMPOSITE REFRIGERATED TRUCK BODY AND METHOD OF MAKING THE SAME**
[54] **CORPS COMPOSITE DE CAMION REFRIGERE ET SON PROCEDE DE FABRICATION**
[72] BAUER, JEFFRIE SCOTT, US
[72] STORZ, SCOTT A., US
[72] WYLEZINSKI, ANDRZEJ, US
[72] THOMA, MICHAEL L., US
[71] WABASH NATIONAL, L.P., US
[22] 2016-02-23
[41] 2016-09-01
[62] 2,977,131
[30] US (62/119,460) 2015-02-23
[30] US (62/235,166) 2015-09-30
[30] US (62/245,227) 2015-10-22

[21] **3,217,352**
[13] A1

[25] EN
[54] **BREATHING ASSISTANCE APPARATUS**
[54] **APPAREIL D'ASSISTANCE RESPIRATOIRE**
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2016-06-24
[41] 2016-12-29
[62] 2,988,239
[30] US (62/183,889) 2015-06-24
[30] US (62/264,220) 2015-12-07
[30] US (62/340,910) 2016-05-24

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] 3,217,369 [13] A1	[21] 3,217,471 [13] A1	[21] 3,217,506 [13] A1
[25] EN [54] ESTIMATION OF CONDUCTIVITY FOR NANOPOROUS MATERIALS [54] ESTIMATION DE LA CONDUCTIVITE DE MATERIAUX NANOPOREUX [72] CYGAN, RANDALL, US [72] FREDRICH, JOANNE, US [72] GREATHOUSE, JEFFERY, US [72] JERAULD, GARY RUSSELL, US [71] BP CORPORATION NORTH AMERICA INC., US [22] 2015-12-03 [41] 2016-06-16 [62] 2,967,689 [30] US (14/566,520) 2014-12-10	[25] EN [54] CONTINUOUS GLUCOSE MONITOR COMMUNICATION WITH MULTIPLE DISPLAY DEVICES [54] COMMUNICATION DE MONITEUR DE GLUCOSE EN CONTINU AVEC DE MULTIPLES DISPOSITIFS D'AFFICHAGE [72] HAMPAPURAM, HARI, US [72] COHEN, ERIC, US [72] SMITH, BRIAN CHRISTOPHER, US [72] HERNANDEZ-ROSAS, JOSE HECTOR, US [72] PASCUAL, FRANCIS WILLIAM, US [72] MENSINGER, MICHAEL ROBERT, US [72] LARVENZ, SHAWN, US [71] DEXCOM, INC., US [22] 2016-01-20 [41] 2016-07-28 [62] 2,962,650 [30] US (62/106,150) 2015-01-21	[25] EN [54] FLOOR PANEL AND FLOOR COVERING CONSISTING OF A PLURALITY OF SUCH FLOOR PANELS [54] [72] PERRA, ANTONIO GIUSEPPE, NL [72] ZWEED, SANDER GORDON, NL [71] I4F LICENSING NV, BE [22] 2010-06-14 [41] 2010-12-16 [62] 3,101,282 [30] NL (200319) 2009-06-12 [30] WO (PCT/NL2009/050540) 2009-09-09
[21] 3,217,386 [13] A1	[21] 3,217,505 [13] A1	[21] 3,217,507 [13] A1
[25] EN [54] COMPOSITIONS AND METHODS FOR RAPID DEGRADATION AND AMELIORATION OF MARINE OIL SPILLS [54] COMPOSITIONS ET METHODES POUR LA DETERIORATION RAPIDE ET L'AMELIORATION DES DEVERSEMENTS DE PETROLE MARINS [72] HOJGAARD, JACOB, CA [72] HOUGAARD, THOMAS, CA [72] LOWINGS, MALCOLM, CA [72] LOWINGS, MICHAEL, CA [72] NESB0, CAMILLA, CA [72] STOUGAARD, PETER, CA [71] 683107 ALBERTA LTD., CA [22] 2021-11-30 [41] 2022-06-01 [62] 3,151,543 [30] US (63/119,788) 2020-12-01	[25] EN [54] PROCESS FOR PRODUCING HERBICIDE AND INTERMEDIATE THEREOF [54] PROCEDE DE PRODUCTION D'HERBICIDE ET INTERMEDIAIRE DE CELUI-CI [72] UCHIDA, YUKIO, JP [72] ATSUMI, NAOYA, JP [72] TANI, SHINKI, JP [72] OKADA, KOJI, JP [72] MURAI, YUTA, JP [72] CAOIMHIN, ARNOTT, GB [71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP [22] 2020-10-30 [41] 2021-01-07 [62] 3,156,419 [30] JP (2019-198600) 2019-10-31	[25] EN [54] FLIP OPEN CATHETER PACKAGE [54] EMBALLAGE DE CATHETER A OUVERTURE PAR SOULEVEMENT [72] HANNON, DAVID, IE [72] MCMENAMIN, MARTIN, IE [72] FOLEY, ADAM J., IE [72] O'FLYNN, PADRAIG M., IE [72] COLLUM, STEPHEN, IE [72] O'BRIEN, DANIEL, IE [72] CARTER, ENDA F., IE [72] FLETTER, PAUL C., US [72] RICHARD, MARINE V., FR [72] NAUGHTON, VINCENT, IE [71] HOLLISTER INCORPORATED, US [22] 2015-05-29 [41] 2015-12-03 [62] 2,950,743 [30] US (62/005,635) 2014-05-30
[21] 3,217,419 [13] A1		
[25] EN [54] METHOD OF DERIVING QUANTIZATION PARAMETER [54] PROCEDE D'OBTENTION DE PARAMETRE DE QUANTIFICATION [72] OH, SOO MI, KR [72] YANG, MOONOCK, SG [71] GENSQUARE LLC, KR [22] 2012-11-02 [41] 2013-05-10 [62] 3,085,029 [30] KR (10-2011-0114607) 2011-11-04		

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,217,527**
[13] A1

[25] EN
[54] **TURBOCHARGER LUBRICATION SYSTEM FOR A TWO-STROKE ENGINE**
[54] **CIRCUIT DE LUBRIFICATION DE TURBOCOMPRESSEUR POUR UN MOTEUR A DEUX TEMPS**
[72] ZIMNEY, DEREK D., US
[72] BUCHWITZ, JAMES H., US
[72] BLAKE, DALLAS J., US
[72] HETTEEN, ALEXANDER M., US
[72] ERICKSON, DANIEL E., CA
[72] DALE, CHAD A., US
[72] HEDLUND, DARREN J., US
[72] FITZPATRICK, DEREK J., CA
[72] SCREMIN, CHRISTOPHER P., CA
[72] HANSON, REED A., US
[71] POLARIS INDUSTRIES INC., US
[22] 2021-01-12
[41] 2021-07-13
[62] 3,105,244
[30] US (62/960,388) 2020-01-13
[30] US (17/145,313) 2021-01-09

[21] **3,217,555**
[13] A1

[25] EN
[54] **MEMBRANE DIGITAL ANALOG SWITCHES**
[54] **COMMUTATEUR TACTILE NUMERIQUE-ANALOGIQUE**
[72] STAGG, DAVID, US
[72] HORNUNG, THOMAS, US
[72] WOOTEN, RYAN, US
[71] CATTRON NORTH AMERICA, INC., US
[22] 2020-01-16
[41] 2020-10-26
[62] 3,068,210
[30] US (16/396,049) 2019-04-26

[21] **3,217,564**
[13] A1

[25] EN
[54] **NEUTRON CAPTURE THERAPY SYSTEM**
[54] **SYSTEME DE THERAPIE PAR CAPTURE DE NEUTRONS**
[72] CHEN, WEI-LIN, CN
[72] JIANG, TAO, CN
[72] YAN, FA-ZHI, CN
[71] NEUBORON THERAPY SYSTEM LTD., CN
[22] 2020-03-17
[41] 2020-10-22
[62] 3,135,517
[30] CN (201910308039.2) 2019-04-17
[30] CN (201910308298.5) 2019-04-17
[30] CN (201910623203.9) 2019-07-11

[21] **3,217,578**
[13] A1

[25] EN
[54] **PAYMENT PROCESSING METHOD, DEVICE, MEDIUM AND ELECTRONIC DEVICE**
[54] **METHODE, DISPOSITIF, SUPPORT ET DISPOSITIF ELECTRONIQUE DE TRAITEMENT DE PAIEMENTS**
[72] YAN, HONGKANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-10-22
[41] 2020-04-23
[62] 3,059,719
[30] CN (201811237189.0) 2018-10-23

[21] **3,217,588**
[13] A1

[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING AIR TRAFFIC DATA**
[54] **SYSTEME ET PROCEDE DE GESTION DE DONNEES DE CIRCULATION AERIENNE**
[72] ENDRES, STEVEN P., US
[71] EXHAUSTLESS, INC., US
[22] 2016-08-23
[41] 2017-03-02
[62] 2,995,867
[30] US (62/209,226) 2015-08-24
[30] US (15/241,230) 2016-08-19

[21] **3,217,592**
[13] A1

[51] **Int.Cl. A41B 1/00 (2006.01) A44B 99/00 (2010.01) A44B 1/18 (2006.01)**
[25] EN
[54] **MAGNETIC FASTENER SYSTEM**
[54] **SYSTEME D'ATTACHE MAGNETIQUE**
[72] HARRIS, RICHARD H., US
[72] THORNSBURY, AUDRIANA, US
[72] YORK, KATHRYN ANN, US
[72] GRAY, ALYSHA LYNN, US
[71] LION GROUP, INC., US
[22] 2020-07-30
[41] 2022-01-13
[62] 3,088,502
[30] US (63/051,073) 2020-07-13

[21] **3,217,615**
[13] A1

[25] EN
[54] **TRACK SYSTEM FOR TRACTION OF A VEHICLE**
[54] **SYSTEME DE CHENILLE POUR LA TRACTION D'UN VEHICULE**
[72] DANDURAND, JULES, CA
[72] LABBE, PASCAL, CA
[72] DAVIS, JASON, US
[72] LOCHNIKAR, DANIEL, US
[71] CAMSO INC., CA
[22] 2017-01-06
[41] 2017-07-07
[62] 2,953,991
[30] US (62/275,944) 2016-01-07
[30] US (62/337,101) 2016-05-16

[21] **3,217,619**
[13] A1

[25] EN
[54] **FRACTIONAL FUNDS TRANSFER/ACCUMULATION DEVICE, PROGRAM, AND METHOD**
[54] **DISPOSITIF, PROGRAMME ET PROCEDE DE TRANSFERT/ACCUMULATION DE FONDS FRACTIONNAIRES**
[72] TANAKA, TATSUO, JP
[72] HIGUCHI, YOSHINOBU, JP
[71] 10353744 CANADA LTD., CA
[22] 2017-03-31
[41] 2017-11-30
[62] 3,155,708
[30] JP (2016-106202) 2016-05-27

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,217,624**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2023.01)**
[25] EN
[54] **FRACTIONAL FUNDS
TRANSFER/ACCUMULATION
DEVICE, PROGRAM, AND
METHOD**
[54] **DISPOSITIF, PROGRAMME ET
PROCEDE DE
TRANSFERT/ACCUMULATION
DE FONDS FRACTIONNAIRES**
[72] TANAKA, TATSUO, JP
[72] HIGUCHI, YOSHINOBU, JP
[71] 10353744 CANADA LTD., CA
[22] 2017-03-31
[41] 2017-11-30
[62] 3,155,708
[30] JP (2016-106202) 2016-05-27

[21] **3,217,633**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2023.01) G06Q
40/04 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **FRACTIONAL FUNDS
TRANSFER/ACCUMULATION
DEVICE, PROGRAM, AND
METHOD**
[54] **DISPOSITIF, PROGRAMME ET
PROCEDE DE
TRANSFERT/ACCUMULATION
DE FONDS FRACTIONNAIRES**
[72] TANAKA, TATSUO, JP
[72] HIGUCHI, YOSHINOBU, JP
[71] 10353744 CANADA LTD., CA
[22] 2017-03-31
[41] 2017-11-30
[62] 3,155,708
[30] JP (2016-106202) 2016-05-27

[21] **3,217,635**
[13] A1

[25] EN
[54] **MULTI-PORT CONVERTER
STRUCTURE FOR DC/DC POWER
CONVERSION**
[54] **STRUCTURE DE
CONVERTISSEUR MULTIPORT
DESTINE A LA CONVERSION
D'ALIMENTATION CC/CC**
[72] LEHN, PETER WALDEMAR, CA
[72] RANJRAM, MIKE KAVIAN, CA
[72] IUNNISSI, SEBASTIAN RIVERA, CA
[71] THE GOVERNING COUNCIL OF
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[22] 2017-10-19
[41] 2018-04-21
[62] 2,982,961
[30] US (62/411,168) 2016-10-21

[21] **3,217,629**
[13] A1

[51] **Int.Cl. C22C 38/54 (2006.01) B21D
22/02 (2006.01) C21D 8/02 (2006.01)
C22C 38/02 (2006.01) C22C 38/04
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(2006.01) C23G 1/08 (2006.01)**
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[72] HENRION, THOMAS, FR
[72] JACOLOT, RONAN, FR
[72] BEAUVAIS, MARTIN, FR
[71] ARCELORMITTAL, LU
[22] 2017-11-23
[41] 2018-05-31
[62] 3,156,200
[30] IB (PCT/IB2016/057100) 2016-11-24

[21] **3,217,634**
[13] A1

[25] EN
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[54] **SYSTEME DE BIOREACTEUR
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[72] CHEADLE, JOHN, US
[72] PETERSON, THOMAS, US
[71] UNITED THERAPEUTICS
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[22] 2015-09-01
[41] 2016-03-10
[62] 2,959,526
[30] US (62/044,647) 2014-09-02

[21] **3,217,643**
[13] A1

[25] EN
[54] **SETTLEMENT SYSTEM AND
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[54] **SYSTEME DE REGLEMENT ET
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[72] ARIKAWA, SHINICHIROU, JP
[72] FUJIYOSHI, EIJI, JP
[71] 10353744 CANADA LTD., CA
[22] 2014-12-24
[41] 2016-06-30
[62] 3,117,373

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TUCKER, GRANT	3,169,450
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