Canadian Intellectual Property Office

An Agency of Industry Canada

Office de la propriété intellectuelle du Canada

Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 150 No. 10 March 8, 2022

Vol. 150 No. 10 le 8 mars 2022

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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

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

Table of Contents
Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 25

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public.....66

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 80

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 193

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 201

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 208

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 211

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 232

Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

3,066,559

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 :

3,066,559

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$295**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**295 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO

14. Procédures de correspondance

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

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

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

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

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

Sur cette page :

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of March 8, 2022 contains applications open to public inspection from February 20, 2022 to February 26, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 8 mars 2022 contient les demandes disponibles au public pour consultation pour la période du 20 février 2022 au 26 février 2022.

Canadian Patents Issued

March 8, 2022

Brevets canadiens délivrés

8 mars 2022

---

[11] **2,564,301**
[13] C
[51] **Int.Cl. G06Q 50/34 (2012.01) G07F 17/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MAPPING RESULTS FROM SPORTING EVENTS TO GAME INPUTS**
[54] **SYSTEME ET PROCEDE PERMETTANT D'APPLIQUER DES RESULTATS D'EVENEMENTS SPORTIFS A DES ENTREES DE JEU**
[72] ASHER, JOSEPH M., US
[72] LUTNICK, HOWARD W., US
[73] CFPH, LLC, US
[85] 2006-10-26
[86] 2005-04-29 (PCT/US2005/014667)
[87] (WO2005/109121)
[30] US (10/836,975) 2004-04-29

---

[11] **2,585,324**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEM FOR MARKET RESEARCH BASED ON FINANCIAL EXCHANGE**
[54] **SYSTEME D'ETUDES DU MARCHE BASE SUR LES ECHANGES FINANCIERS**
[72] COSTAKIS, ALEXANDER M., US
[73] CFPH, LLC, US
[86] (2585324)
[87] (2585324)
[22] 2007-04-17
[30] US (11/279,997) 2006-04-17

---

[11] **2,675,564**
[13] C
[51] **Int.Cl. G09B 7/00 (2006.01) G16H 10/20 (2018.01) G16H 40/00 (2018.01) G16H 40/40 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUALITY ASSURED ANALYTICAL TESTING**
[54] **APPAREILLAGE ET METHODE APPLICABLES AUX ESSAIS D'ANALYSE D'ASSURANCE DE LA QUALITE**
[72] MILLER, STEVEN, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[86] (2675564)
[87] (2675564)
[22] 2009-08-14
[30] EP (08105083.3) 2008-08-20

---

[11] **2,679,841**
[13] C
[51] **Int.Cl. C12N 15/12 (2006.01) A61K 38/17 (2006.01) C07K 14/71 (2006.01) C12N 5/10 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **VARIANT ACTIVIN RECEPTOR POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES DE RECEPTEUR D'ACTIVINE VARIANTS, ET LEURS UTILISATIONS**
[72] SUN, JEONGHOON, US
[72] TAM, LEI-TING TONY, US
[72] HAN, HQ, US
[72] KWAK, KEITH SOO-NYUNG, US
[72] ZHOU, XIAOLAN, US
[73] AMGEN INC., US
[85] 2009-09-01
[86] 2008-03-06 (PCT/US2008/003119)
[87] (WO2008/109167)
[30] US (60/905,459) 2007-03-06
[30] US (61/065,474) 2008-02-11

---

[11] **2,723,653**
[13] C
[51] **Int.Cl. G09B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GUIDED INSTRUCTIONAL DESIGN IN ELECTRONIC LEARNING SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR LE DESIGN PEDAGOGIQUE GUIDE DANS DES SYSTEMES ELECTRONIQUES D'APPRENTISSAGE**
[72] BAKER, JOHN ALLAN, CA
[72] CHAPMAN, KENNETH, CA
[72] CRAIG, BENJAMIN, CA
[72] DOWNES, STEPHEN, CA
[72] DURAND, GUILLAUME, CA
[72] SAVOIE, RODRIGUE, CA
[72] CORMIER, DANNY, CA
[72] BENOIT, DANY, CA
[72] BELLIVEAU, LUC, CA
[72] AUGER, JEREMY JASON, CA
[72] CEPURAN, BRIAN, CA
[72] GHASSEMI, ALI, CA
[72] JANKOVIC, DIMITRIJE, CA
[72] DAOUST, NORMAN, CA
[72] BECKMAN, GREGORY, CA
[73] D2L CORPORATION, CA
[86] (2723653)
[87] (2723653)
[22] 2010-12-02
[30] US (61/293,081) 2010-01-07

[11] **2,745,528**
[13] C
[51] **Int.Cl. F04D 29/02 (2006.01) A61M 60/135 (2021.01) A61M 60/216 (2021.01) F04D 29/24 (2006.01)**
[25] EN
[54] **FLUID PUMP WITH A ROTOR**
[54] **POMPE A FLUIDE AVEC UN ROTOR**
[72] SCHECKEL, MARIO, DE
[73] ECP ENTWICKLUNGSGESELLSCHAFT MBH, DE
[85] 2011-06-02
[86] 2009-12-04 (PCT/EP2009/008858)
[87] (WO2010/063494)
[30] EP (08075923.6) 2008-12-05
[30] US (61/120,095) 2008-12-05

---

[11] **2,750,220**
[13] C
[51] **Int.Cl. B32B 5/24 (2006.01) B29C 44/18 (2006.01) B29C 70/70 (2006.01) B32B 27/08 (2006.01) B60R 13/02 (2006.01) B62D 25/06 (2006.01)**
[25] EN
[54] **FOAM LAMINATE PRODUCT AND PROCESS FOR PRODUCTION THEREOF**
[54] **PRODUIT STRATIFIE EN MOUSSE ET SON PROCEDE DE PRODUCTION**
[72] GEHANI, NEIL P., CA
[73] PROPRIETECT L.P., CA
[85] 2011-07-20
[86] 2010-02-09 (PCT/CA2010/000165)
[87] (WO2010/091501)
[30] US (61/202,249) 2009-02-10

---

[11] **2,751,731**
[13] C
[51] **Int.Cl. G08B 13/196 (2006.01) G01S 19/16 (2010.01) H04N 21/478 (2011.01) G01C 22/00 (2006.01) G01P 13/02 (2006.01) G01P 15/00 (2006.01) G08B 13/00 (2006.01) G01H 17/00 (2006.01)**
[25] EN
[54] **SECURING PROPERTY**
[54] **SECURISATION DE BIENS**
[72] PODER, JIM, US
[72] COOK, MIKE, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (2751731)
[87] (2751731)
[22] 2011-09-02
[30] US (12/882,547) 2010-09-15

---

[11] **2,762,159**
[13] C
[51] **Int.Cl. A61K 31/716 (2006.01) A61K 31/737 (2006.01) A61K 36/02 (2006.01) A61K 36/03 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **THE IMPROVEMENT OF GASTROINTESTINAL HEALTH, IMMUNITY AND PERFORMANCE BY DIETARY INTERVENTION**
[54] **AMELIORATION DE LA SANTE GASTRO-INTESTINALE, RENFORCEMENT DE L'IMMUNITE ET DES PERFORMANCES SOUS L'EFFET D'UNE INTERVENTION DE NATURE DIETETIQUE**
[72] O'SULLIVAN, JOHN T., IE
[72] GALLAGHER, MICHAEL, IE
[72] O'DOHERTY, JOHN, IE
[72] SWEENEY, TORRES, IE
[73] BIOATLANTIS LTD, IE
[85] 2011-11-16
[86] 2010-05-21 (PCT/EP2010/003088)
[87] (WO2010/133359)
[30] IE (2009/0398) 2009-05-21

---

[11] **2,774,919**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/46 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **DOSAGE REGIMEN FOR ADMINISTERING A CD19XCD3 BISPECIFIC ANTIBODY**
[54] **POSOLOGIE ASSOCIEE A L'ADMINISTRATION D'UN ANTICORPS BISPECIFIQUE CD19XCD3**
[72] NAGORSEN, DIRK, DE
[72] KUFER, PETER, DE
[72] ZUGMAIER, GERHARD, DE
[72] BAEUERLE, PATRICK, DE
[73] AMGEN RESEARCH (MUNICH) GMBH, DE
[85] 2012-03-21
[86] 2010-10-27 (PCT/EP2010/066207)
[87] (WO2011/051307)
[30] EP (09174104.1) 2009-10-27
[30] US (61/255,290) 2009-10-27

---

[11] **2,778,997**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR RADIO FREQUENCY NEUROTOMY**
[54] **METHODES ET SYSTEMES DE NEVROTOMIE PAR RADIOFREQUENCE**
[72] WRIGHT, ROBERT E., US
[72] BRANDT, SCOTT A., US
[73] STRATUS MEDICAL, LLC, US
[85] 2012-04-26
[86] 2010-11-05 (PCT/US2010/055744)
[87] (WO2011/057157)
[30] US (61/280,557) 2009-11-05
[30] US (61/347,351) 2010-05-21

---

[11] **2,806,083**
[13] C
[51] **Int.Cl. F01C 1/44 (2006.01) F02B 53/02 (2006.01) F02B 75/02 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE AND COMPRESSOR OR PUMP WITH ROTOR AND PISTON CONSTRUCTION, AND ELECTRICAL GENERATOR PNEUMATICALLY DRIVEN BY SAME**
[54] **MOTEUR A COMBUSTION INTERNE ET COMPRESSEUR OU POMPE AVEC CONSTRUCTION A ROTOR ET PISTON ET GENERATRICE ELECTRIQUE ENTRAINEE PNEUMATIQUEMENT PAR CEUX-CI**
[72] NOVAK, ROBERT J., CA
[73] NOVAK, ROBERT J., CA
[86] (2806083)
[87] (2806083)
[22] 2013-01-21
[30] US (61/589,971) 2012-01-24

[11] **2,813,322**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G16H 20/00 (2018.01)**
[25] EN
[54] **GOAL MANAGEMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE GESTION D'OBJECTIF**
[72] BLOCK, TORIN J., US
[72] BLOCK, GLADYS M., US
[72] BLOCK, CLIFFORD H., US
[73] BLOCK, TORIN J., US
[73] BLOCK, GLADYS M., US
[73] BLOCK, CLIFFORD H., US
[85] 2013-03-28
[86] 2011-10-04 (PCT/US2011/054821)
[87] (WO2012/047933)
[30] US (61/344,783) 2010-10-04
[30] US (13/252,993) 2011-10-04

[11] **2,830,255**
[13] C
[51] **Int.Cl. H04N 5/335 (2011.01) A61B 5/00 (2006.01) G06T 1/00 (2006.01) H04N 9/81 (2006.01)**
[25] EN
[54] **FULL RESOLUTION COLOR IMAGING OF AN OBJECT**
[54] **IMAGERIE COULEUR A PLEINE RESOLUTION D'UN OBJET**
[72] JORGENSEN, JENS H., US
[72] LACOURT, MICHAEL W., US
[72] MORAN, DONALD J., JR., US
[72] HAWKS, DAVID J., US
[72] WYCALLIS, JOSEPH, US
[72] ARNOLD, STEPHEN C., US
[73] ORTHO-CLINICAL DIAGNOSTICS, INC., US
[86] (2830255)
[87] (2830255)
[22] 2013-10-17
[30] US (13/654,686) 2012-10-18

[11] **2,844,176**
[13] C
[51] **Int.Cl. G07C 5/08 (2006.01) G06Q 30/02 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **REAL-TIME DRIVER REWARD DISPLAY SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME D'AFFICHAGE DE RECOMPENSE DU CONDUCTEUR EN TEMPS REEL**
[72] SLATON, ZACHARY, US
[72] JAHNS, STEVEN KARL, US
[72] LOTZ, JOSEF, US
[72] KIM, JENNIFER, US
[72] MORROW, JASON, US
[72] DOLL, JOHN WILLIAM ARTHUR, US
[73] PACCAR INC, US
[86] (2844176)
[87] (2844176)
[22] 2014-02-26
[30] US (61/800,622) 2013-03-15
[30] US (14/020,638) 2013-09-06

[11] **2,845,116**
[13] C
[51] **Int.Cl. G02C 7/02 (2006.01) A61F 2/16 (2006.01)**
[25] EN
[54] **PRESBYOPIA LENS WITH PUPIL SIZE CORRECTION BASED ON LEVEL OF REFRACTIVE ERROR**
[54] **LENTILLE POUR PRESBYTIE AVEC CORRECTION DE LA TAILLE DE LA PUPILLE BASEE SUR LE NIVEAU D'ERREUR REFRACTIVE**
[72] WOOLEY, C. BENJAMIN, US
[72] HAYWOOD, JAMES WILLIAM, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[86] (2845116)
[87] (2845116)
[22] 2014-03-03
[30] US (13/828,012) 2013-03-14

[11] **2,846,858**
[13] C
[51] **Int.Cl. A61K 39/35 (2006.01) A61K 9/48 (2006.01) A61K 9/50 (2006.01) A61K 47/30 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **METHODS FOR EFFECTIVELY AND RAPIDLY DESENSITIZING ALLERGIC PATIENTS**
[54] **PROCEDES POUR LA DESENSIBILISATION EFFICACE ET RAPIDE DE PATIENTS ALLERGIQUES**
[72] LAULICHT, BRYAN E., US
[72] BAKHRU, SASHA H., US
[72] STEINER, SOLOMON S., US
[72] MATHIOWITZ, EDITH, US
[73] PEROSPHERE TECHNOLOGIES INC., US
[85] 2014-02-26
[86] 2012-08-30 (PCT/US2012/053145)
[87] (WO2013/033400)
[30] US (61/529,479) 2011-08-31

[11] **2,859,910**
[13] C
[51] **Int.Cl. B05C 17/02 (2006.01)**
[25] EN
[54] **PIPE PAINTER ASSEMBLY**
[54] **ENSEMBLE DE PEINTURE POUR TUYAUX**
[72] BYRNE, JAMES M., US
[73] THE WOOSTER BRUSH COMPANY, US
[86] (2859910)
[87] (2859910)
[22] 2014-08-20
[30] US (61/868,188) 2013-08-21

[11] **2,860,323**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/11 (2006.01) A61K 31/437 (2006.01) A61K 31/4406 (2006.01) A61K 31/445 (2006.01) A61K 31/4985 (2006.01) C07C 65/24 (2006.01) C07C 69/94 (2006.01) C07D 211/62 (2006.01) C07D 213/30 (2006.01) C07D 215/14 (2006.01) C07D 231/56 (2006.01) C07D 257/04 (2006.01) C07D 401/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED BENZALDEHYDE COMPOUNDS AND METHODS FOR THEIR USE IN INCREASING TISSUE OXYGENATION**
[54] **COMPOSES BENZALDEHYDE SUBSTITUES ET PROCEDES D'UTILISATION DE CEUX-CI DANS L'AUGMENTATION DE L'OXYGENATION DES TISSUS**
[72] METCALF, BRIAN, US
[72] CHUANG, CHIHYUAN, US
[73] GLOBAL BLOOD THERAPEUTICS, INC., US
[85] 2014-06-23
[86] 2012-12-28 (PCT/US2012/072177)
[87] (WO2013/102142)
[30] US (61/581,053) 2011-12-28
[30] US (61/661,320) 2012-06-18

---

[11] **2,865,333**
[13] C
[51] **Int.Cl. G01V 9/00 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NEAR REAL TIME SURFACE LOGGING OF A GEOTHERMAL WELL, A HYDROCARBON WELL, OR A TESTING WELL USING A MASS SPECTROMETER**
[54] **SYSTEMES ET PROCEDES POUR DIAGRAPHIE DE SURFACE EN TEMPS QUASI-REEL D'UN PUITS GEOTHERMIQUE, D'UN PUITS D'HYDROCARBURES OU D'UN PUITS D'ESSAI AU MOYEN D'UN SPECTROMETRE DE MASSE**
[72] SELMAN, THOMAS H., US
[72] JENNINGS, MATTHEW J., US
[73] SELMAN AND ASSOCIATES, LTD., US
[86] (2865333)
[87] (2865333)
[22] 2014-09-26
[30] US (14/038711) 2013-09-26
[30] US (14/038703) 2013-09-26

---

[11] **2,870,940**
[13] C
[51] **Int.Cl. C02F 1/44 (2006.01) C02F 1/00 (2006.01) C02F 1/40 (2006.01)**
[25] EN
[54] **OILY WATER SEPARATOR, OIL-WATER SEPARATING METHOD AND FILTRATION MEMBRANE UNIT**
[54] **SEPARATEUR D'EAU HUILEUSE, PROCEDE DE SEPARATION HUILE/EAU ET UNITE DE MEMBRANE DE FILTRATION**
[72] SAKURAI, MASAAKI, JP
[72] SAKAI, KENJI, JP
[72] HARA, HIDEKIYO, JP
[72] ABE, KANAKO, JP
[72] NOMURA, TAKASHI, JP
[73] TOYO ENGINEERING CORPORATION, JP
[86] (2870940)
[87] (2870940)
[22] 2014-11-13
[30] JP (2013-238063) 2013-11-18
[30] JP (2014-188019) 2014-09-16

---

[11] **2,874,296**
[13] C
[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/42 (2006.01) E21B 33/13 (2006.01) E21B 33/134 (2006.01) C09K 8/56 (2006.01)**
[25] EN
[54] **METHODS FOR MINIMIZING OVERDISPLACEMENT OF PROPPANT IN FRACTURE TREATMENTS**
[54] **PROCEDES VISANT A REDUIRE LE DEPLACEMENT TROP IMPORTANT DE L'AGENT DE SOUTENEMENT DANS LES TRAITEMENTS DE FRACTURES**
[72] LECERF, BRUNO, US
[72] KRAEMER, CHAD, US
[72] POPE, TIMOTHY L., US
[72] WILLBERG, DEAN M., US
[72] USOVA, ZINAIDA, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[86] (2874296)
[87] (2874296)
[22] 2014-12-10
[30] US (14/103,152) 2013-12-11

---

[11] **2,879,218**
[13] C
[51] **Int.Cl. G06V 40/12 (2022.01) G06V 10/98 (2022.01)**
[25] EN
[54] **METHOD OF VALIDATION OF THE USE OF A REAL FINGER AS SUPPORT OF A FINGERPRINT**
[54] **METHODE DE VALIDATION DE L'UTILISATION D'UN DOIGT REEL COMME SUPPORT D'UNE EMPREINTE DIGITALE**
[72] THIEBOT, ALAIN, FR
[72] THOUY, BENOIT, FR
[72] BOULANGER, JEAN-FRANCOIS, FR
[72] DOUBLET, JULIEN, FR
[73] MORPHO, FR
[86] (2879218)
[87] (2879218)
[22] 2015-01-21
[30] FR (14/50834) 2014-02-04

---

[11] **2,880,749**
[13] C
[51] **Int.Cl. A61M 16/06 (2006.01) A62B 9/04 (2006.01)**
[25] EN
[54] **HEADGEAR FOR PATIENT INTERFACE**
[54] **COIFFURE POUR INTERFACE DE PATIENT**
[72] MCLAREN, MARK ARVIND, NZ
[72] HAMMER, JEROEN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2015-01-30
[86] 2013-08-08 (PCT/NZ2013/000139)
[87] (WO2014/025267)
[30] US (61/681,024) 2012-08-08

[11] **2,881,361**
[13] C
[51] **Int.Cl. A61K 31/21 (2006.01) A61K 31/045 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS COMPRISING GLYCERYL NITRATES**
[54] **COMPOSITIONS ANTIMICROBIENNES COMPRENANT DES NITRATES DE GLYCERYLE**
[72] RAAD, ISSAM, US
[72] ROSENBLATT, JOEL, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2015-02-06
[86] 2013-08-08 (PCT/US2013/054129)
[87] (WO2014/025994)
[30] US (61/680,964) 2012-08-08

[11] **2,881,943**
[13] C
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 21/14 (2006.01)**
[25] EN
[54] **TURBINE BLADE FOR A GAS TURBINE ENGINE**
[54] **AILETTE DE TURBINE POUR UNE TURBINE A GAZ**
[72] LECUYER, DANIEL J., CA
[72] SHAPIRO, ANDREW, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2881943)
[87] (2881943)
[22] 2015-02-12
[30] US (14/193,073) 2014-02-28

[11] **2,882,221**
[13] C
[51] **Int.Cl. C01B 11/06 (2006.01)**
[25] EN
[54] **HIGH STRENGTH, LOW SALT HYPOCHLORITE PRODUCTION**
[54] **PRODUCTION D'HYPOCHLORITE A FAIBLE TENEUR EN SEL ET CONCENTRATION ELEVEE**
[72] MURET, FREDERIC P., CA
[72] BAILEY, IAN C., CA
[73] CHEMETICS INC., CA
[86] (2882221)
[87] (2882221)
[22] 2015-02-18
[30] US (61/948,508) 2014-03-05

[11] **2,882,973**
[13] C
[51] **Int.Cl. B60W 50/14 (2020.01) B60W 40/04 (2006.01) B60W 40/10 (2012.01)**
[25] EN
[54] **RED LIGHT VIOLATOR WARNING**
[54] **AVERTISSEUR DE VIOLATION DE FEU ROUGE**
[72] COLLAR, BENJAMIN, US
[73] SIEMENS MOBILITY, INC., US
[86] (2882973)
[87] (2882973)
[22] 2015-02-25
[30] US (14/192,050) 2014-02-27

[11] **2,883,004**
[13] C
[51] **Int.Cl. F41H 3/00 (2006.01) A41D 1/00 (2018.01)**
[25] EN
[54] **OUTERWEAR SYSTEM INCORPORATING A BASE GARMENT WITH ATTACHABLE OUTER SKINS, SUCH AS FOR PROVIDING TERRAIN DICTATED CAMOUFLAGE**
[54] **SYSTEME DE VETEMENT D'EXTERIEUR INCORPORANT UN VETEMENT DE BASE DOTE DE COUCHES EXTERIEURES ATTACHABLES, COMME L'AJOUT DE MOTIF DE CAMOUFLAGE SELON LE TERRAIN**
[72] PIRONE, PAUL, US
[73] PIRONE, PAUL, US
[86] (2883004)
[87] (2883004)
[22] 2015-02-25
[30] US (14/190,283) 2014-02-26

[11] **2,883,278**
[13] C
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 1/40 (2015.01) H04J 1/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVING SPECTRUM UTILIZATION FOR SATELLITE COMMUNICATIONS**
[54] **METHODES ET SYSTEMES D'AMELIORATION DE L'UTILISATION DU SPECTRE DESTINES AUX COMMUNICATIONS PAR SATELLITE**
[72] TONG, ROGER SHUN HONG, HK
[72] VONG, FRED CHUN YIN, HK
[72] HU, HAI, HK
[72] LEUNG, HARRY YIN CHUNG, HK
[73] ASIA SATELLITE TELECOMMUNICATIONS COMPANY LIMITED, HK
[86] (2883278)
[87] (2883278)
[22] 2015-02-27

[11] **2,883,844**
[13] C
[51] **Int.Cl. B01J 20/24 (2006.01) A01K 1/01 (2006.01) A01K 1/015 (2006.01) A01K 1/035 (2006.01) C08J 3/12 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **EXTRUDED SELF-CLUMPING ANIMAL LITTER AND METHOD OF MAKING EXTRUDED SELF-CLUMPING ANIMAL LITTER**
[54] **LITIERE POUR ANIMAUX, AUTO-AGGLOMERANTE, EXTRUDEE, ET PROCEDE DE FABRICATION DE LITIERE POUR ANIMAUX AUTO-AGGLOMERANTE, EXTRUDEE**
[72] LIPSCOMB, JOHN M., US
[72] REPINSKI, SCOTT, US
[73] PIONEER PET PRODUCTS, LLC, US
[85] 2015-03-03
[86] 2013-09-11 (PCT/US2013/059284)
[87] (WO2014/043249)
[30] US (61/699,858) 2012-09-11
[30] US (61/775,707) 2013-03-11
[30] US (13/842,534) 2013-03-15
[30] US (13/868,084) 2013-04-22
[30] US (13/868,073) 2013-04-22

[11] **2,883,848**
[13] C
[51] **Int.Cl. C08J 3/12 (2006.01) B01J 20/04 (2006.01) B29B 9/10 (2006.01)**
[25] EN
[54] **METHOD OF MAKING EXTRUDED SELF-CLUMPING GRANULAR ABSORBENT**
[54] **PROCEDE DE FABRICATION PAR EXTRUSION D'UN ABSORBANT GRANULAIRE A AUTO-AGREGATION**
[72] LIPSCOMB, JOHN M., US
[72] REPINSKI, SCOTT, US
[72] STEIN, DAVID D., US
[73] PIONEER PET PRODUCTS, LLC, US
[85] 2015-03-03
[86] 2013-09-11 (PCT/US2013/059325)
[87] (WO2014/043284)
[30] US (61/699,858) 2012-09-11
[30] US (61/775,707) 2013-03-11
[30] US (13/842,534) 2013-03-15
[30] US (13/868,073) 2013-04-22
[30] US (13/868,084) 2013-04-22

---

[11] **2,884,898**
[13] C
[51] **Int.Cl. A61K 31/221 (2006.01) A61K 9/14 (2006.01) A61K 31/164 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING PALMITOYLETHANOLAMIDE AND L-ACETYLCARNITINE**
[54] **COMPOSITION PHARMACEUTIQUE COMPORTANT DU PALMITOYLETHANOLAMIDE ET DE L'ACETYL-L-CARNITINE**
[72] DELLA VALLE, FRANCESCO, IT
[72] DELLA VALLE, MARIA FEDERICA, IT
[73] EPITECH GROUP S.R.L., IT
[86] (2884898)
[87] (2884898)
[22] 2015-03-12
[30] IT (MI2014A000454) 2014-03-19

---

[11] **2,886,169**
[13] C
[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/26 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **KNEE BRACE**
[54] **SUPPORT POUR GENOU**
[72] LIN, JIN-JIE, US
[72] STAUFFER, TIMOTHY M., US
[73] SIMPSON STRONG-TIE COMPANY, INC., US
[86] (2886169)
[87] (2886169)
[22] 2015-03-24
[30] US (14/225,265) 2014-03-25

---

[11] **2,894,673**
[13] C
[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **MEDICAL CARE TRAINING MANNEQUIN FOR REALISTIC EMERGENCY MEDICAL TRAINING**
[54] **MANNEQUIN DE FORMATION AUX SOINS MEDICAUX POUR FORMATION MEDICALE REELLE D'URGENCE**
[72] SEGALL, STUART CHARLES, US
[73] STRATEGIC OPERATIONS, INC., US
[85] 2015-06-10
[86] 2013-05-20 (PCT/US2013/041915)
[87] (WO2013/177091)
[30] US (61/649,357) 2012-05-20

---

[11] **2,895,127**
[13] C
[51] **Int.Cl. A01N 33/22 (2006.01) A01N 43/80 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITION COMPRISING ACLONIFEN, PYROXASULFONE, AND PICOLINAFEN**
[54] **COMPOSITION HERBICIDE COMPRENANT DE L'ACLONIFENE, DE LA PYROXASULFONE ETDU PICOLINAFENE**
[72] SCHREIBER, DOMINIQUE, FR
[72] WILDE, THOMAS, DE
[72] BRUGGEMANN, DIRK, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2015-06-15
[86] 2013-12-13 (PCT/EP2013/076469)
[87] (WO2014/095597)
[30] DE (10 2012 223 522.1) 2012-12-18

---

[11] **2,895,776**
[13] C
[51] **Int.Cl. H04W 36/04 (2009.01) H04W 52/02 (2009.01) H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ASSISTED SERVING CELL CONFIGURATION IN A HETEROGENEOUS NETWORK ARCHITECTURE**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE CELLULES DE DESSERTE ASSISTEES DANS UNE ARCHITECTURE DE RESEAU HETEROGENE**
[72] CAI, ZHIJUN, US
[72] SONG, YI, US
[72] BONTU, CHANDRA SEKHAR, CA
[73] BLACKBERRY LIMITED, CA
[85] 2015-06-18
[86] 2012-12-31 (PCT/US2012/072279)
[87] (WO2014/098921)
[30] US (13/720,750) 2012-12-19

---

[11] **2,898,357**
[13] C
[51] **Int.Cl. B65D 1/40 (2006.01) B65D 1/16 (2006.01)**
[25] EN
[54] **VARIABLE DISPLACEMENT CONTAINER BASE**
[54] **BASE DE RECIPIENT A DEPLACEMENT VARIABLE**
[72] WRIGHT, PAUL LEE, US
[72] HOWELL, JUSTIN A., US
[72] HUNTER, TRAVIS A., US
[72] PHILIPPE, ROMUALD M., US
[72] KELLY, MICHAEL T., US
[72] WALTEMYER, ROBERT, US
[73] CO2PAC LIMITED, NZ
[85] 2015-07-15
[86] 2014-01-14 (PCT/US2014/011433)
[87] (WO2014/113371)
[30] US (61/752,877) 2013-01-15
[30] US (61/838,166) 2013-06-21

[11] **2,899,279**
[13] C
[51] **Int.Cl. G01N 37/00 (2006.01) G01M 99/00 (2011.01) B63G 8/16 (2006.01) B63G 8/38 (2006.01) G01N 21/90 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TRANSFORMER IN-SITU INSPECTION**
[54] **DISPOSITIF ET PROCEDE POUR INSPECTER UN TRANSFORMATEUR IN SITU**
[72] CHEIM, LUIZ V., US
[72] ZHANG, GEORGE, US
[72] FUHLBRIGGE, THOMAS A., US
[72] STAAB, HARALD, DE
[72] EAKINS, WILLIAM, US
[72] ROSSANO, GREGORY F., US
[72] ZHANG, BIAO, US
[72] PATEL, POORVI, US
[72] BUDYN, MAREK, PL
[73] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2015-07-24
[86] 2014-01-24 (PCT/US2014/012920)
[87] (WO2014/120568)
[30] EP (13153721.9) 2013-02-01

[11] **2,901,086**
[13] C
[51] **Int.Cl. A01N 47/36 (2006.01) A01N 41/10 (2006.01) A01N 43/50 (2006.01) A01N 43/66 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOSITIONS COMPRISING FLAZASULFURON**
[54] **COMPOSITIONS HERBICIDES CONTENANT DU FLAZASULFURON**
[72] YAMADA, RYU, JP
[72] OKAMOTO, HIROYUKI, JP
[72] TERADA, TAKASHI, JP
[73] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2015-08-12
[86] 2014-02-19 (PCT/JP2014/053949)
[87] (WO2014/129512)
[30] JP (2013-033556) 2013-02-22

[11] **2,901,171**
[13] C
[51] **Int.Cl. H04W 4/30 (2018.01)**
[25] FR
[54] **TAG-BASED INTERACTIVE SYSTEM FOR A DEVICE DISTRIBUTING A MULTIMEDIA CONTENT**
[54] **SYSTEME INTERACTIF A BASE DE TAGS POUR DISPOSITIF DIFFUSANT UN CONTENU MULTIMEDIA**
[72] BAKER, TIM, FR
[72] BERGE, VINCENT, FR
[73] THINK AND GO NFC, FR
[85] 2015-08-12
[86] 2014-02-11 (PCT/EP2014/052656)
[87] (WO2014/124942)
[30] FR (13 51203) 2013-02-13

[11] **2,902,148**
[13] C
[51] **Int.Cl. A63G 31/00 (2006.01) A47K 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A WHIMSICAL, INTERACTIVE, AND ENTERTAINING HANDWASHING ATTRACTION**
[54] **SYSTEME ET PROCEDE POUR SITE D'ATTRACTION DE LAVAGE DES MAINS FANTAISISTE, INTERACTIF ET DIVERTISSANT**
[72] HAYS, ELISA MICHELLE, US
[73] HAYS, ELISA MICHELLE, US
[85] 2015-08-21
[86] 2013-02-22 (PCT/US2013/027502)
[87] (WO2013/126833)
[30] US (61/601,915) 2012-02-22

[11] **2,902,555**
[13] C
[51] **Int.Cl. G01F 3/10 (2006.01) G01D 5/12 (2006.01)**
[25] EN
[54] **FLUID FLOW METER**
[54] **DEBITMETRE POUR FLUIDES**
[72] TOKHTUEV, EUGENE, US
[72] SKIRDA, ANATOLY, US
[72] OWEN, CHRISTOPHER J., US
[72] CHRISTENSEN, WILLIAM M., US
[72] SCHILLING, PAUL SIMON, US
[73] ECOLAB USA INC., US
[85] 2015-08-25
[86] 2014-03-14 (PCT/US2014/027641)
[87] (WO2014/152705)
[30] US (13/833,582) 2013-03-15

[11] **2,903,088**
[13] C
[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01) G16H 10/40 (2018.01) G16H 20/40 (2018.01) G16H 30/20 (2018.01) G16H 40/20 (2018.01) G16H 50/20 (2018.01) G16H 50/70 (2018.01) A61B 5/00 (2006.01) A61B 6/00 (2006.01) G16H 10/60 (2018.01)**
[25] EN
[54] **INTERMODAL SYNCHRONIZATION OF SURGICAL DATA**
[54] **SYNCHRONISATION INTRAMODALE DE DONNEES CHIRURGICALES**
[72] PIRON, CAMERON, CA
[72] SELA, GAL, CA
[72] THOMAS, MONROE M., CA
[72] ALEXANDER, SIMON, CA
[72] YUWARAJ, MURUGATHAS, CA
[72] WOOD, MICHAEL, CA
[72] PANTHER, ALEX, CA
[72] RICHMOND, JOSHUA, CA
[72] HODGES, WES, CA
[72] GALLOP, DAVID, CA
[73] SYNAPTIVE MEDICAL INC., CA
[85] 2015-08-31
[86] 2014-03-14 (PCT/CA2014/050269)
[87] (WO2014/139021)
[30] US (61/801,282) 2013-03-15
[30] US (61/798,867) 2013-03-15
[30] US (61/800,155) 2013-03-15
[30] US (61/800,911) 2013-03-15
[30] US (61/801,746) 2013-03-15
[30] US (61/818,255) 2013-05-01
[30] US (61/924,993) 2014-01-08

[11] **2,904,352**
[13] C
[51] **Int.Cl. D21F 7/00 (2006.01)**
[25] EN
[54] **AIR KNIFE CONFIGURED TO IMPROVE ROLLING OF PAPER PRODUCT**
[54] **LAME D'AIR CONCUE POUR AMELIORER L'ENROULEMENT D'UN PRODUIT EN PAPIER**
[72] HUNTER, MARK S., US
[72] VELDHUIZEN, DAVID S., US
[72] TOOTHMAN, THOMAS K., US
[72] FUCHS, LAWRENCE J., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2015-09-04
[86] 2014-02-21 (PCT/US2014/017639)
[87] (WO2014/158517)
[30] US (61/782,756) 2013-03-14
[30] US (14/173,431) 2014-02-05

[11] **2,904,356**
[13] C
[51] **Int.Cl. B42D 25/00 (2014.01)**
[25] EN
[54] **OPTICAL SECURITY DEVICE**
[54] **DISPOSITIF DE SECURITE OPTIQUE**
[72] CAPE, SAMUEL M., US
[72] VAN GUMSTER, JASON, US
[73] VISUAL PHYSICS, LLC, US
[85] 2015-09-04
[86] 2014-03-14 (PCT/US2014/028192)
[87] (WO2014/143980)
[30] US (61/791,695) 2013-03-15

---

[11] **2,907,252**
[13] C
[51] **Int.Cl. A61B 5/053 (2021.01) A61B 10/02 (2006.01) A61B 17/00 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **DRIVER ASSEMBLIES, DRIVERS, INTRAOSSEOUS DEVICES, AND METHODS FOR DETERMINING VOLTAGES AND/OR IMPEDANCES IN BIOLOGICAL MATERIAL**
[54] **ENSEMBLES D'ENTRAINEMENT, ENTRAINEMENTS, DISPOSITIFS INTRA-OSSEUX, ET PROCEDES POUR DETERMINER DES TENSIONS ET/OU DES IMPEDANCES DANS UNE MATIERE BIOLOGIQUE**
[72] FORMAN, MICHAEL, ROBERT, US
[72] RUDIE, ERIC, NORMAN, US
[73] TELEFLEX LIFE SCIENCES LIMITED, MT
[85] 2015-09-15
[86] 2014-03-14 (PCT/US2014/029356)
[87] (WO2014/144797)
[30] US (13/836,548) 2013-03-15

---

[11] **2,909,823**
[13] C
[51] **Int.Cl. B65D 65/40 (2006.01) B29C 48/16 (2019.01) B32B 5/18 (2006.01) B32B 7/12 (2006.01) B32B 37/14 (2006.01)**
[25] EN
[54] **MULTILAYERED COEXTRUDED THERMOPLASTIC FOOD CASING**
[54] **ENVELOPPE ALIMENTAIRE THERMOPLASTIQUE COEXTRUDEE MULTICOUCHE**
[72] RAUE, FRANK, DE
[72] BOUMA, MAREK, CZ
[73] VISCOFAN S.A., ES
[86] (2909823)
[87] (2909823)
[22] 2015-10-21
[30] EP (14 190 496.1) 2014-10-27

---

[11] **2,910,191**
[13] C
[51] **Int.Cl. A61K 31/445 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **THE USE OF MTP INHIBITORS FOR TREATING DISORDERS OR DISEASES ASSOCIATED WITH HYPERLIPIDEMIA AND HYPERCHOLESTEROLEMIA WHILE MINIMIZING SIDE EFFECTS**
[54] **L'UTILISATION D'INHIBITEURS MTP POUR LE TRAITEMENT A FAIBLES EFFETS SECONDAIRES CONTRE DES AFFECTIONS LIEES A L'HYPERLIPIDEMIE ET L'HYPERCHOLESTEROLEMIE**
[72] RADER, DANIEL J., US
[73] THE TRUSTEES OF THE UNIVERISTY OF PENNSYLVANIA, US
[86] (2910191)
[87] (2910191)
[22] 2005-03-07
[62] 2,558,766
[30] US (60/550,915) 2004-03-05

---

[11] **2,911,620**
[13] C
[51] **Int.Cl. C07D 311/00 (2006.01) C07D 405/04 (2006.01) C07D 491/08 (2006.01) C07D 493/08 (2006.01) C07D 498/08 (2006.01) C07D 513/08 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **ORIDONIN ANALOGS, COMPOSITIONS, AND METHODS RELATED THERETO**
[54] **ANALOGUES D'ORIDONINE, COMPOSITIONS ET PROCEDES ASSOCIES**
[72] ZHOU, JIA, US
[72] DING, CHUNYONG, US
[72] SHEN, QIANG, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2015-11-05
[86] 2014-04-05 (PCT/US2014/033111)
[87] (WO2014/165841)
[30] US (61/808,753) 2013-04-05

---

[11] **2,912,189**
[13] C
[51] **Int.Cl. A61M 1/16 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **SENSOR AND METHOD OF SENSING FOR DIALYSIS MACHINE**
[54] **CAPTEUR ET PROCEDE DE DETECTION POUR MACHINE DE DIALYSE**
[72] CRNKOVICH, MARTIN, US
[72] WANG, AIYUAN, US
[72] WANG, FEI, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2015-11-09
[86] 2014-07-02 (PCT/US2014/045215)
[87] (WO2015/003043)
[30] US (13/933,828) 2013-07-02

[11] **2,912,360**
[13] C
[51] **Int.Cl. C22B 9/10 (2006.01) F04B 15/04 (2006.01)**
[25] EN
[54] **OVERFLOW MOLTEN METAL TRANSFER PUMP WITH GAS AND FLUX INTRODUCTION**
[54] **POMPE DE TRANSFERT DE TROP-PLEIN DE METAL EN FUSION DOTEE D'UNE INTRODUCTION DE GAZ ET DE FLUX**
[72] SCHLICHT, DAVID, US
[72] HORSFALL, ANDREW, US
[72] HENDERSON, RICHARD S., US
[72] LUTZ, LENNARD, US
[73] PYROTEK, INC., US
[85] 2015-11-10
[86] 2014-05-14 (PCT/US2014/000108)
[87] (WO2014/185971)
[30] US (61/823,103) 2013-05-14

[11] **2,913,028**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **PYRROLO[3,2-D]PYRIMIDINE DERIVATIVES FOR THE TREATMENT OF VIRAL INFECTIONS AND OTHER DISEASES**
[54] **DERIVES DE PYRROLO[3,2-D]PYRIMIDINE POUR LE TRAITEMENT DES INFECTIONS VIRALES ET AUTRES MALADIES**
[72] MC GOWAN, DAVID CRAIG, BE
[72] PIETERS, SERGE MARIA ALOYSIUS, NL
[72] LAST, STEFAAN JULIEN, BE
[72] EMBRECHTS, WERNER, BE
[72] JONCKERS, TIM HUGO MARIA, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[73] JANSSEN SCIENCES IRELAND UC, IE
[85] 2015-11-19
[86] 2014-06-26 (PCT/EP2014/063467)
[87] (WO2014/207082)
[30] EP (13174108.4) 2013-06-27

[11] **2,913,448**
[13] C
[51] **Int.Cl. B27K 3/34 (2006.01) C08H 8/00 (2010.01) A01N 57/10 (2006.01) A01N 57/16 (2006.01) A01N 57/18 (2006.01) A01N 57/24 (2006.01) B05D 1/18 (2006.01) B05D 7/06 (2006.01) C08B 3/20 (2006.01) C09D 5/14 (2006.01) C09K 21/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR USE IN PROTECTION OF WOOD AND WOOD PRODUCTS FROM MICROORGANISMS, WEATHER, AND FIRE**
[54] **COMPOSITIONS POUR UNE UTILISATION DANS LA PROTECTION DU BOIS ET DES PRODUITS EN BOIS CONTRE LES MICROORGANISMES, LES CONDITIONS METEOROLOGIQUES ET LES INCENDIES**
[72] KARHUNEN, PIRKKO, FI
[72] MATIKAINEN, JORMA, FI
[72] KYLLONEN, LASSE, FI
[72] AHOLA, PIRJO, FI
[72] KILPELAINEN, ILKKA, FI
[72] KING, ALISTAIR W. T., FI
[73] STORA ENSO OYJ, FI
[73] TIKKURILA OYJ, FI
[73] METSALIITTO OSUUSKUNTA, FI
[85] 2015-11-24
[86] 2014-05-26 (PCT/FI2014/050411)
[87] (WO2014/188080)
[30] FI (20135568) 2013-05-24

[11] **2,914,793**
[13] C
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/50 (2006.01) C01B 3/58 (2006.01)**
[25] EN
[54] **A PROCESS FOR PURIFICATION OF A SYNTHESIS GAS CONTAINING HYDROGEN AND IMPURITIES**
[54] **PROCEDE DE PURIFICATION D'UN GAZ DE SYNTHESE CONTENANT DE L'HYDROGENE ET DES IMPURETES**
[72] FILIPPI, ERMANNO, CH
[72] OSTUNI, RAFFAELE, CH
[72] MARZARI CHIESA, DAMIANO, CH
[73] CASALE SA, CH
[85] 2015-12-07
[86] 2014-06-25 (PCT/EP2014/063332)
[87] (WO2014/207011)
[30] EP (13173741.3) 2013-06-26

[11] **2,915,036**
[13] C
[51] **Int.Cl. B01D 1/14 (2006.01) B01D 19/00 (2006.01) C02F 1/04 (2006.01)**
[25] EN
[54] **MULTI-STAGE BUBBLE COLUMN HUMIDIFIER**
[54] **HUMIDIFICATEUR MULTI-ETAGE A COLONNE A BULLES**
[72] GOVINDAN, PRAKASH, US
[72] ELSHARQAWY, MOSTAFA, SA
[72] LAM, STEVEN, US
[72] ST. JOHN, MAXIMUS, US
[72] LIENHARD, JOHN, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[73] KING FAHD UNIVERSITY OF PETROLEUM & MINERALS, SA
[85] 2015-12-10
[86] 2014-06-06 (PCT/US2014/041226)
[87] (WO2014/200829)
[30] US (13/916,038) 2013-06-12

[11] **2,916,662**
[13] C
[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/6813 (2018.01) G01N 33/53 (2006.01) G16B 25/10 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING SPATIAL PATTERNS OF BIOLOGICAL TARGETS IN A SAMPLE**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER DES MOTIFS SPATIALES DE CIBLES BIOLOGIQUES DANS UN ECHANTILLON**
[72] CHEE, MARK, US
[72] ROUTENBERG, DAVID, US
[73] PROGNOSYS BIOSCIENCES, INC., US
[85] 2015-12-22
[86] 2014-06-25 (PCT/US2014/044196)
[87] (WO2014/210225)
[30] US (61/839,313) 2013-06-25
[30] US (61/839,320) 2013-06-25

[11] **2,916,769**
[13] C
[51] **Int.Cl. C23C 14/06 (2006.01) C23C 14/35 (2006.01)**
[25] EN
[54] **TIB2 LAYERS AND MANUFACTURE THEREOF**
[54] **COUCHES DE TIB2 ET LEUR FABRICATION**
[72] KURAPOV, DENIS, CH
[72] KRASSNITZER, SIEGFRIED, AT
[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
[85] 2015-12-23
[86] 2014-06-30 (PCT/EP2014/001781)
[87] (WO2015/000576)
[30] DE (10 2013 011 075.0) 2013-07-03

[11] **2,920,287**
[13] C
[51] **Int.Cl. C12N 5/0793 (2010.01) A61K 35/12 (2015.01) A61L 27/00 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING DOPAMINERGIC NEURONS**
[54] **METHODE DE PRODUCTION DE NEURONES DOPAMINERGIQUES**
[72] SHOJI, MASANOBU, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2016-02-02
[86] 2014-08-06 (PCT/JP2014/071352)
[87] (WO2015/020234)
[30] JP (2013-163062) 2013-08-06

[11] **2,920,502**
[13] C
[51] **Int.Cl. B24D 9/08 (2006.01) B24B 55/10 (2006.01)**
[25] EN
[54] **BACKING PAD WITH SLOTS FOR SANDING DISCS WITH MULTIPLE HOLES**
[54] **PLAQUE A FENTES POUR DISQUES ABRASIFS A TROUS MULTIPLES**
[72] FONTES DA ROCHA CASTRO, JOAO MIGUEL, PT
[72] FARELA VIZINHO, ALFREDO MANUEL, PT
[72] RATOLA BRANCO, OSCAR EMANUEL, PT
[73] INDASA-INDUSTRIA DE ABRASIVOS, S.A., PT
[85] 2016-02-04
[86] 2015-01-15 (PCT/PT2015/000003)
[87] (WO2015/119521)
[30] PT (107454) 2014-02-06

[11] **2,921,066**
[13] C
[51] **Int.Cl. B22F 9/20 (2006.01) B22F 9/22 (2006.01) C22C 1/04 (2006.01) C22C 27/06 (2006.01)**
[25] EN
[54] **CHROMIUM-CONTAINING POWDER OR POWDER GRANULATE**
[54] **POUDRE OU POUDRE GRANULEE CONTENANT DU CHROME**
[72] O'SULLIVAN, MICHAEL, AT
[72] SIGL, LORENZ, AT
[72] HOSP, THOMAS, AT
[73] PLANSEE SE, AT
[85] 2016-02-11
[86] 2014-08-19 (PCT/AT2014/000159)
[87] (WO2015/027255)
[30] AT (GM 281/2013) 2013-09-02

[11] **2,921,214**
[13] C
[51] **Int.Cl. C09K 11/02 (2006.01) A61L 27/00 (2006.01) A61L 29/00 (2006.01) A61L 31/00 (2006.01) C09K 11/00 (2006.01) C09K 11/06 (2006.01)**
[25] EN
[54] **RESIN COMPOSITION AND MOLDED ARTICLE**
[54] **COMPOSITION DE RESINE, ET ARTICLE MOULE**
[72] SAKURAI, NAOTO, JP
[72] SAKURAI, YOSHINOBU, JP
[72] WATANABE, YASUYUKI, JP
[72] IKEDA, TAKEO, JP
[72] SATO, TAKAYUKI, JP
[73] DIC CORPORATION, JP
[73] NATIONAL UNIVERSITY CORPORATION KOCHI UNIVERSITY, JP
[85] 2016-02-11
[86] 2014-08-13 (PCT/JP2014/071393)
[87] (WO2015/022977)
[30] JP (2013-168175) 2013-08-13
[30] JP (2013-270428) 2013-12-26

[11] **2,921,830**
[13] C
[51] **Int.Cl. A61K 47/61 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CONJUGATES OF GLYCOSAMINOGLYCAN**
[54] **CONJUGUES DE GLYCOSAMINOGLYCANE**
[72] LIN, HUA-YANG, TW
[73] HOLY STONE BIOTECH CO., LTD., GB
[85] 2016-02-19
[86] 2014-06-27 (PCT/EP2014/063720)
[87] (WO2015/028172)
[30] US (61/871,352) 2013-08-29
[30] US (14/308,972) 2014-06-19

[11] **2,922,143**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **A TRANSCRIPTOMIC INDEX FOR CHARACTERIZING THE CELLULAR REPAIR RESPONSE AFTER SOFT TISSUE INJURY IN DIARTHRODIAL JOINTS**
[54] **REPERTOIRE DE TRANSCRIPTOME POUR LA CARACTERISATION DE REPONSE DE REPARATION CELLULAIRE APRES BLESSURE DES TISSUS MOUS DANS DES ARTICULATIONS SYNOVIALES**
[72] CHAN, DEVA, US
[72] LI, JUN, US
[72] PLAAS, ANNA H.K., US
[72] SANDY, JOHN D., US
[72] WANG, VINCENT, US
[73] RUSH UNIVERSITY MEDICAL CENTER, US
[85] 2016-02-22
[86] 2014-09-08 (PCT/US2014/054550)
[87] (WO2015/038474)
[30] US (61/877,011) 2013-09-12

[11] **2,922,627**
[13] C
[51] **Int.Cl. C07F 9/10 (2006.01) A61K 9/127 (2006.01) A61K 47/24 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **STEREOSPECIFIC LIPIDS FOR LOCOREGIONAL THERAPY WITH LONG-TERM CIRCULATING STIMULI-SENSITIVE NANOCARRIER SYSTEMS**
[54] **LIPIDES STEREOSPECIFIQUES POUR LA THERAPIE LOCOREGIONALE COMPRENANT DES SYSTEMES NANOPORTEURS SENSIBLES AUX STIMULI CIRCULANT LONGTEMPS**
[72] EIBL, HANSJORG, DE
[73] THERMOSOME GMBH, DE
[85] 2016-01-26
[86] 2014-06-18 (PCT/EP2014/062849)
[87] (WO2014/202680)
[30] EP (13172469.2) 2013-06-18

---

[11] **2,922,677**
[13] C
[51] **Int.Cl. F16B 35/04 (2006.01) F16B 39/26 (2006.01) F16B 39/284 (2006.01)**
[25] EN
[54] **FASTENER WITH A BELLEVILLE HEAD**
[54] **ELEMENT DE FIXATION DOTE D'UNE TETE BELLEVILLE**
[72] MALONEY, MICHAEL J., US
[72] BENTRIM, BRIAN, US
[72] MCDONOUGH, WILLIAM, US
[73] PEM MANAGEMENT, INC., US
[85] 2016-02-26
[86] 2014-08-28 (PCT/US2014/053048)
[87] (WO2015/031557)
[30] US (61/871,019) 2013-08-28

---

[11] **2,922,803**
[13] C
[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING MACHINE**
[54] **MACHINE DISTRIBUTRICE DE BOISSONS**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[72] GRILLENZONI, ALESSANDRO, IT
[73] SARONG SOCIETA' PER AZIONI, IT
[85] 2016-02-29
[86] 2014-10-15 (PCT/IB2014/065330)
[87] (WO2015/056188)
[30] IT (MO2013A000295) 2013-10-17

---

[11] **2,922,896**
[13] C
[51] **Int.Cl. B64D 27/26 (2006.01) F01D 25/24 (2006.01)**
[25] FR
[54] **CASE STRUCTURE HAVING CONNECTING TABS**
[54] **STRUCTURE DE CARTER A CALES DE LIAISON**
[72] BELJAMBE, CEDDRIC, FR
[72] ROBIN, NOEL, FR
[73] SNECMA, FR
[85] 2016-03-01
[86] 2014-08-25 (PCT/FR2014/052119)
[87] (WO2015/033040)
[30] FR (1358476) 2013-09-04

---

[11] **2,923,257**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 30/20 (2018.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01) A61B 5/01 (2006.01) A61B 5/06 (2006.01) A61B 34/00 (2016.01)**
[25] EN
[54] **SOFTWARE INTERFACE TOOL FOR BREAST CANCER SCREENING**
[54] **OUTIL D'INTERFACE LOGICIEL DE DEPISTAGE DU CANCER DU SEIN**
[72] VENKATARAMANI, KRITHIKA, IN
[72] MESTHA, LALIT KESHAV, US
[72] KEHOE, MICHAEL P., US
[72] MANJUNATH, GEETHA, IN
[73] NIRAMAI HEALTH ANALYTIX PVT. LTD., IN
[86] (2923257)
[87] (2923257)
[22] 2016-03-07
[30] US (14/668178) 2015-03-25

---

[11] **2,923,320**
[13] C
[51] **Int.Cl. H04N 21/258 (2011.01) H04N 21/266 (2011.01) H04N 21/41 (2011.01) H04N 21/414 (2011.01) H04N 21/418 (2011.01) H04N 21/422 (2011.01) H04N 21/4223 (2011.01) H04N 21/45 (2011.01) H04N 21/4623 (2011.01) H04N 21/4627 (2011.01)**
[25] EN
[54] **METHOD FOR CONTROLLING ACCESS TO BROADCAST CONTENT**
[54] **METHODE POUR CONTROLER L'ACCES A DU CONTENU DIFFUSE**
[72] SERVIGNAT, DAVID, FR
[72] PONT, JOSE-EMMANUEL, CH
[72] THOMAS, FREDERIC, CH
[72] JANTZ, SCOTT, US
[72] LIVAY, NIR, US
[73] NAGRAVISION S.A., CH
[85] 2016-03-04
[86] 2014-09-04 (PCT/EP2014/068805)
[87] (WO2015/036310)
[30] US (61/877,297) 2013-09-13
[30] EP (13186380.5) 2013-09-27

---

[11] **2,923,685**
[13] C
[51] **Int.Cl. A61K 31/135 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **APPLICATION OF R-KETAMINE AND SALT THEREOF AS PHARMACEUTICALS**
[54] **APPLICATION DE R-KETAMINE ET SON SEL COMME PRODUITS PHARMACEUTIQUES**
[72] HASHIMOTO, KENJI, JP
[73] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP
[85] 2016-03-08
[86] 2014-09-12 (PCT/JP2014/004730)
[87] (WO2015/037248)
[30] JP (2013-190066) 2013-09-13

[11] **2,925,039**
[13] C
[51] **Int.Cl. G01M 11/00 (2006.01) G01B 9/02091 (2022.01) B23K 26/02 (2014.01)**
[25] EN
[54] **METHOD FOR MEASURING THE DEPTH OF PENETRATION OF A LASER BEAM INTO A WORKPIECE, AND LASER MACHINING DEVICE**
[54] **PROCEDE DE MESURE DE LA PROFONDEUR DE PENETRATION D'UN FAISCEAU LASER DANS UNE PIECE A USINER ET DISPOSITIF D'USINAGE LASER**
[72] SCHONLEBER, MARTIN, DE
[72] KOGEL-HOLLACHER, MARKUS, DE
[72] BAUTZE, THIBAULT, DE
[72] FRAAS, CHRISTIAN, CH
[73] PRECITEC OPTRONIK GMBH, DE
[85] 2016-03-22
[86] 2014-09-13 (PCT/EP2014/002483)
[87] (WO2015/039741)
[30] DE (10 2013 015 656.4) 2013-09-23

---

[11] **2,925,440**
[13] C
[51] **Int.Cl. B01J 8/02 (2006.01) B01J 8/18 (2006.01) C07C 1/04 (2006.01) C07C 9/04 (2006.01)**
[25] FR
[54] **METHANATION REACTOR FOR REACTING HYDROGEN WITH AT LEAST ONE CARBON-BASED COMPOUND AND PRODUCING METHANE AND WATER**
[54] **REACTEUR DE METHANATION POUR FAIRE REAGIR DE L'HYDROGENE AVEC AU MOINS UN COMPOSE A BASE DE CARBONE ET PRODUIRE DU METHANE ET DE L'EAU**
[72] KARA, YLMAZ, FR
[72] MARCHAND, BERNARD, FR
[73] GDF SUEZ, FR
[85] 2016-03-24
[86] 2014-09-25 (PCT/FR2014/052411)
[87] (WO2015/044601)
[30] FR (1359313) 2013-09-26

---

[11] **2,926,172**
[13] C
[51] **Int.Cl. B32B 17/10 (2006.01) B60J 1/00 (2006.01) B60J 1/02 (2006.01) C03C 27/12 (2006.01)**
[25] FR
[54] **THIN LAMINATED GLASS FOR WINDSCREEN**
[54] **VERRE FEUILLETE MINCE POUR PARE-BRISE**
[72] LESTRINGANT, CLAIRE, FR
[72] GY, RENE, FR
[72] KREMERS, STEPHAN, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2016-04-01
[86] 2014-10-22 (PCT/FR2014/052685)
[87] (WO2015/059407)
[30] FR (1360326) 2013-10-23

---

[11] **2,926,804**
[13] C
[51] **Int.Cl. A45B 25/22 (2006.01) A45B 19/10 (2006.01)**
[25] EN
[54] **UMBRELLA HAVING IMPROVED SHAFT AND RIB ASSEMBLY**
[54] **PARAPLUIE PRESENTANT UNE TIGE ET UN ENSEMBLE NERVURES AMELIORES**
[72] HAYTHORNTHWAITE, DAVID RYAN, CN
[72] HAYTHORNTHWAITE, ANDREW PAUL, CN
[73] SHEDRAIN CORPORATION, US
[85] 2016-04-07
[86] 2014-09-25 (PCT/US2014/057425)
[87] (WO2015/053951)
[30] US (14/049,703) 2013-10-09

---

[11] **2,927,658**
[13] C
[51] **Int.Cl. G01N 33/2022 (2019.01) B82Y 30/00 (2011.01) C07K 17/00 (2006.01) C12N 15/10 (2006.01) C25D 11/02 (2006.01) C40B 50/14 (2006.01) G01N 1/02 (2006.01) G01N 1/10 (2006.01)**
[25] EN
[54] **TRACEABLE METALLIC PRODUCTS AND METALLIC SUPPORT FOR NANOSTORAGE**
[54] **PRODUITS METALLIQUES TRACABLES ET SUPPORT METALLIQUE POUR NANOSTOCKAGE**
[72] ARSENAULT, STEVE, CA
[72] DUMONT, MAXIME, CA
[72] GAUDET, DANIEL, CA
[72] LAMBERT, JOCELYN, CA
[72] RIVARD, DANIEL, CA
[73] 9163-0384 QUEBEC INC., CA
[85] 2016-04-15
[86] 2014-10-17 (PCT/CA2014/000754)
[87] (WO2015/054778)
[30] US (61/892,786) 2013-10-18

---

[11] **2,928,972**
[13] C
[51] **Int.Cl. A01K 29/00 (2006.01) A01K 1/03 (2006.01) A01K 15/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ANALYZING RODENT BEHAVIOR**
[54] **DISPOSITIFS ET PROCEDES D'ANALYSE DE COMPORTEMENT DE RONGEUR**
[72] WOOLF, CLIFFORD J., US
[72] ROBERSON, DAVID P., US
[72] WILTSCHKO, ALEXANDER B., US
[72] DATTA, SANDEEP ROBERT, US
[73] CHILDREN'S MEDICAL CENTER CORPORATION, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2016-04-27
[86] 2014-10-31 (PCT/US2014/063400)
[87] (WO2015/066460)
[30] US (61/898,754) 2013-11-01

[11] **2,929,275**
[13] C
[51] **Int.Cl. G01N 15/14 (2006.01)**
[25] EN
[54] **MICROFLUIDIC SYSTEM AND METHOD WITH FOCUSED ENERGY APPARATUS**
[54] **SYSTEME MICROFLUIDIQUE ET PROCEDE AVEC APPAREIL A ENERGIE FOCALISEE**
[72] APPLEYARD, DAVID, US
[72] BETTHAUSER, JEFF, US
[72] FAUST, MARJORIE, US
[72] LARSEN, JOHN, US
[72] SHAO, GUOCHENG, US
[72] XIA, ZHENG, US
[72] ZHOU, YU, US
[73] ABS GLOBAL, INC., US
[85] 2016-04-29
[86] 2014-06-18 (PCT/IB2014/001425)
[87] (WO2015/063552)
[30] US (61/897,743) 2013-10-30

---

[11] **2,929,951**
[13] C
[51] **Int.Cl. F02C 7/12 (2006.01) B64D 29/00 (2006.01) F02C 7/25 (2006.01)**
[25] FR
[54] **AIRCRAFT PROPULSION ASSEMBLY WITH FIRE EXTINGUISHING SYSTEM**
[54] **ENSEMBLE PROPULSIF D'AERONEF AVEC SYSTEME D'EXTINCTION DE FEU**
[72] CHARLEMAGNE, PIERRICK, FR
[72] LEROUX, DELPHINE, FR
[73] SNECMA, FR
[85] 2016-05-06
[86] 2014-12-22 (PCT/FR2014/053497)
[87] (WO2015/097391)
[30] FR (FR1363544) 2013-12-24

---

[11] **2,930,209**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/425 (2006.01)**
[25] EN
[54] **TETRAHYDROIMIDAZOPYRIDINE DERIVATIVES AS MODULATORS OF TNF ACTIVITY**
[54] **DERIVES DE TETRAHYDROIMIDAZOPYRIDINE SUBSTITUES COMME MODULATEURS DE L'ACTIVITE DU TNF**
[72] DEFAYS, SABINE, BE
[72] HEER, JAG PAUL, BE
[72] JACKSON, VICTORIA ELIZABETH, GB
[72] JOHNSON, JAMES ANDREW, GB
[72] KROEPLIEN, BORIS, GB
[72] PORTER, JOHN ROBERT, GB
[73] UCB BIOPHARMA SRL, BE
[85] 2016-05-10
[86] 2014-12-08 (PCT/EP2014/076834)
[87] (WO2015/086498)
[30] GB (1321743.5) 2013-12-09

---

[11] **2,930,879**
[13] C
[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/52 (2006.01) G01N 33/548 (2006.01) G01N 33/549 (2006.01) G01N 33/558 (2006.01) G01N 33/68 (2006.01) G01N 33/76 (2006.01)**
[25] EN
[54] **ASSAY DEVICE AND USE THEROF TO INDICATE SUFFICIENT SAMPLE DURING A SAMPLING EVENT**
[54] **DISPOSITIF D'EPREUVE BIOLOGIQUE ET UTILISATION ASSOCIEE EN VUE D'INDIQUER LE CARACTERE SUFFISANT D'UN PRELEVEMENT PENDANT UN EVENEMENT DE PRELEVEMENT**
[72] LEHANE, KIERAN ANDREW, GB
[72] HART, STEVEN, GB
[73] SPD SWISS PRECISION DIAGNOSTICS GMBH, CH
[85] 2016-05-17
[86] 2014-12-04 (PCT/EP2014/076643)
[87] (WO2015/082646)
[30] GB (1321430.9) 2013-12-04

---

[11] **2,931,315**
[13] C
[51] **Int.Cl. C09D 5/16 (2006.01) C09D 7/40 (2018.01) C09D 201/00 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **ULTRA FAST OLEOPHOBIC-HYDROPHILIC SWITCHING SURFACES**
[54] **SURFACES A COMMUTATION OLEOPHOBE- HYDROPHILE ULTRARAPIDE**
[72] BADYAL, JAS PAL SINGH, GB
[72] ATKINSON, OLIVIA DIANE LOUISE AMY, GB
[72] BROWN, PHILIP SIMON, GB
[73] UNIVERSITY OF DURHAM, GB
[85] 2016-05-20
[86] 2014-11-19 (PCT/GB2014/053421)
[87] (WO2015/075446)
[30] GB (1320676.8) 2013-11-22

---

[11] **2,931,921**
[13] C
[51] **Int.Cl. B07C 5/342 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SORTING PIECES OF ROCK CONTAINING QUARTZ VEIN FROM PIECES OF ROCK AND COMPUTER PROGRAM FOR A PROCESSING DEVICE**
[54] **PROCEDE ET APPAREIL POUR TRIER DES MORCEAUX DE ROCHE CONTENANT UNE VEINE DE QUARTZ A PARTIR DE MORCEAUX DE ROCHE ET PROGRAMME INFORMATIQUE POUR UN DISPOSITIF DE TRAITEMENT**
[72] ORAVAINEN, HEIKKI, FI
[72] MERILAINEN, MARKKU, FI
[72] LOVEN, PEKKA, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2016-05-27
[86] 2014-12-01 (PCT/FI2014/050937)
[87] (WO2015/082768)
[30] FI (20136211) 2013-12-03

[11] **2,932,602**
[13] C
[51] **Int.Cl. G21C 11/06 (2006.01) G21C 15/10 (2006.01)**
[25] EN
[54] **FAST NEUTRON REACTOR AND NEUTRON REFLECTOR BLOCK OF A FAST NEUTRON REACTOR**
[54] **REACTEUR A NEUTRONS RAPIDES ET UNITE DE REFLECTEUR DE NEUTRONS POUR REACTEUR A NEUTRONS RAPIDES**
[72] BULAVKIN, SERGEY VIKTOROVICH, RU
[73] JOINT STOCK COMPANY "AKME-ENGINEERING", RU
[85] 2016-06-02
[86] 2014-12-08 (PCT/RU2014/000916)
[87] (WO2015/088390)
[30] RU (2013154529) 2013-12-10

---

[11] **2,932,655**
[13] C
[51] **Int.Cl. E04B 5/04 (2006.01) E01D 19/12 (2006.01) E04B 5/06 (2006.01) E04C 3/20 (2006.01) E04C 3/26 (2006.01)**
[25] EN
[54] **PRECAST CONCRETE BEAM**
[54] **POUTRE EN BETON PRECOULE**
[72] SHAMSAI, MOHAMMAD HOSSEIN, AU
[73] QUICKCELL TECHNOLOGY PTY LTD, AU
[85] 2016-06-03
[86] 2014-12-10 (PCT/AU2014/050414)
[87] (WO2015/085367)
[30] AU (2013904822) 2013-12-11
[30] AU (2014221234) 2014-09-04
[30] NZ (630140) 2014-09-04

---

[11] **2,933,291**
[13] C
[51] **Int.Cl. B01J 19/18 (2006.01) B01D 3/06 (2006.01) B01J 19/24 (2006.01) C10G 1/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROCESSING A REACTION PRODUCT MIXTURE OF A CELLULOSIC BIOMASS MATERIAL**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT D'UN MELANGE DE PRODUITS DE REACTION D'UN MATERIAU DE BIOMASSE CELLULOSIQUE**
[72] POWELL, JOSEPH BROUN, US
[72] JOFFRION, LAMAR LANE, US
[72] JOHNSON, KIMBERLY ANN, US
[72] CHHEDA, JUBEN NEMCHAND, US
[72] GILCHREST, MOLLY, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-06-09
[86] 2014-09-12 (PCT/US2014/055303)
[87] (WO2015/094435)
[30] US (61/919,259) 2013-12-20

---

[11] **2,933,574**
[13] C
[51] **Int.Cl. B07B 1/28 (2006.01) B01D 35/00 (2006.01)**
[25] EN
[54] **HIGH CAPACITY FILTERING SCREEN**
[54] **TAMIS DE FILTRATION DE GRANDE CAPACITE**
[72] CADY, ERIC, US
[72] ROBERTSON, GRAHAM ALEXANDER, GB
[72] MOORE, LATOSHA, US
[72] GALLOWAY MCLEAN, CLAIRE ROSALEEN, NO
[72] RALPH, ANDREW, GB
[73] M-I DRILLING FLUIDS UK LTD., GB
[73] M-I L.L.C., US
[85] 2016-06-10
[86] 2014-12-10 (PCT/US2014/069604)
[87] (WO2015/089223)
[30] US (61/914,224) 2013-12-10

---

[11] **2,934,109**
[13] C
[51] **Int.Cl. E21B 47/107 (2012.01) E21B 47/017 (2012.01) E21B 47/117 (2012.01)**
[25] EN
[54] **SOUND BAFFLE DEVICE AND SYSTEM FOR DETECTING ACOUSTIC SIGNALS**
[54] **DISPOSITIF D'ECRAN INSONORE ET SYSTEME POUR DETECTER DES SIGNAUX ACOUSTIQUES**
[72] GULEWICZ, NEIL, CA
[72] HULL, JOHN, CA
[72] JALILIAN, SEYED EHSAN, CA
[73] HIFI ENGINEERING INC., CA
[85] 2016-06-16
[86] 2014-12-15 (PCT/CA2014/051213)
[87] (WO2015/089658)
[30] US (61/917,124) 2013-12-17

---

[11] **2,935,314**
[13] C
[51] **Int.Cl. F01D 11/04 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] FR
[54] **TURBOMACHINE BEARING HOUSING**
[54] **ENCEINTE DE PALIER D'UNE TURBOMACHINE**
[72] BIOUD, JEREMY LUCIEN JACQUES, FR
[72] BOURGET, SEBASTIEN, FR
[72] EVAIN, GAEL, FR
[72] FONTANEL, EDDY STEPHANE JOEL, FR
[72] LEUTARD, FLORENCE IRENE NOELLE, FR
[72] LIMA, CHRISTOPHE, FR
[72] ROSSI, GIULIANA ELISA, FR
[73] SNECMA, FR
[85] 2016-06-28
[86] 2015-01-15 (PCT/FR2015/050102)
[87] (WO2015/110744)
[30] FR (1450570) 2014-01-23

[11] **2,935,837**
[13] C
[51] **Int.Cl. H04W 4/06 (2009.01) H04W 4/029 (2018.01) H04W 4/42 (2018.01) H04W 4/90 (2018.01) B64D 45/00 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **AIRCRAFT DISTRESS TRACKING AND INTERFACE TO SEARCH AND RESCUE SYSTEM**
[54] **SURVEILLANCE DE DETRESSE D'AERONEF ET INTERFACE DE SYSTEME DE RECHERCHE ET SAUVETAGE**
[72] MURPHY, TIMOTHY ALLEN, US
[73] THE BOEING COMPANY, US
[86] (2935837)
[87] (2935837)
[22] 2016-07-11
[30] US (14/832,851) 2015-08-21
[30] US (14/832,879) 2015-08-21

[11] **2,935,977**
[13] C
[51] **Int.Cl. F01D 25/24 (2006.01) F02C 7/25 (2006.01)**
[25] FR
[54] **FIRE PROTECTION OF A PART MADE OF A THREE-DIMENSIONAL WOVEN COMPOSITE MATERIAL**
[54] **PROTECTION CONTRE LE FEU D'UNE PIECE EN MATERIAU COMPOSITE TISSE TRIDIMENSIONNEL**
[72] MANDEL, ROBIN, FR
[72] GONCALVES, EMILIE, FR
[72] LE BORGNE, BENEDICTE, FR
[72] QUILLENT, HELENE, FR
[72] RIETSCH, JEAN-CHRISTOPHE, FR
[73] SAFRAN, FR
[73] SNECMA, FR
[85] 2016-07-04
[86] 2015-01-08 (PCT/FR2015/050039)
[87] (WO2015/104503)
[30] FR (1450148) 2014-01-09

[11] **2,937,713**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) G09C 1/00 (2006.01)**
[25] EN
[54] **PHYSICAL UNCLONEABLE FUNCTION BASED ANTI-COUNTERFEITING SYSTEM**
[54] **SYSTEME ANTI-CONTREFACON BASE SUR UNE FONCTION PHYSIQUE NON CLONABLE**
[72] BALDINI, GIANMARCO, IT
[72] SANCHEZ MARTIN, JOSE IGNACIO, IT
[72] NAI FOVINO, IGOR, IT
[73] THE EUROPEAN UNION, REPRESENTED BY THE EUROPEAN COMMISSION, BE
[85] 2016-07-22
[86] 2015-02-20 (PCT/EP2015/053667)
[87] (WO2015/124752)
[30] EP (14156230.6) 2014-02-21

[11] **2,938,023**
[13] C
[51] **Int.Cl. C07J 31/00 (2006.01) C07J 43/00 (2006.01) C07J 1/00 (2006.01)**
[25] EN
[54] **PROCEDURE FOR THE PREPARATION OF ABIRATERONE ACETATE AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION D'ACETATE D'ABIRATERONE ET D'INTERMEDIAIRES DE CE DERNIER**
[72] CRISTIANO, TANIA, IT
[72] ALPEGIANI, MARCO, IT
[73] OLON S.P.A., IT
[85] 2016-07-26
[86] 2015-01-27 (PCT/IB2015/050613)
[87] (WO2015/114518)
[30] IT (MI2014A000111) 2014-01-28

[11] **2,938,802**
[13] C
[51] **Int.Cl. F28D 9/00 (2006.01) F25B 37/00 (2006.01) F28F 9/02 (2006.01)**
[25] EN
[54] **PLATE APPARATUS SUITABLE FOR HEAT AND/OR MATERIAL EXCHANGE**
[54] **APPAREIL A PLAQUES ADAPTE A L'ECHANGE DE CHALEUR ET/OU DE SUBSTANCES**
[72] WAGNER, VOLKER, DE
[72] MERKEL, NINA, DE
[72] SCHABER, KARLHEINZ, DE
[73] API SCHMIDT-BRETTEN GMBH & CO. KG, DE
[85] 2016-08-04
[86] 2015-02-05 (PCT/EP2015/000236)
[87] (WO2015/117759)
[30] DE (10 2014 001 499.1) 2014-02-06

[11] **2,938,957**
[13] C
[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITE-COVERED STENTS**
[54] **ENDOPROTHESES COUVERTES D'UN COMPOSITE POLYMERIQUE**
[72] DIXON, MATHEW, US
[72] KOSTA, ALBANA, US
[73] C. R. BARD, INC., US
[85] 2016-08-05
[86] 2014-12-23 (PCT/US2014/072289)
[87] (WO2015/119721)
[30] US (61/937,235) 2014-02-07

[11] **2,939,193**
[13] C
[51] **Int.Cl. H01M 4/86 (2006.01) H01M 4/96 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **GAS DIFFUSION ELECTRODE SUBSTRATE, AND MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL EQUIPPED WITH SAME**
[54] **SUBSTRAT D'ELECTRODE DE DIFFUSION DE GAZ ET ENSEMBLE MEMBRANE-ELECTRODE ET PILE A COMBUSTIBLE EQUIPES DE CE DERNIER**
[72] TANIMURA, YASUAKI, JP
[72] UTSUNOMIYA, MASAMICHI, JP
[72] KAMAE, TOSHIYA, JP
[72] OKANO, YASUTAKA, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2016-08-09
[86] 2015-02-17 (PCT/JP2015/054195)
[87] (WO2015/125749)
[30] JP (2014-032829) 2014-02-24

[11] **2,939,251**
[13] C
[51] **Int.Cl. E21B 17/06 (2006.01) E21B 21/10 (2006.01) E21B 34/00 (2006.01)**
[25] EN
[54] **DISCONNECT AND OTHER DEVICES FOR DOWNHOLE ASSEMBLY**
[54] **DISPOSITIF DE DECONNEXION ET AUTRES DISPOSITIFS POUR ENSEMBLE DE FOND DE TROU**
[72] OLLERENSHAW, ANDREW, GB
[72] HARDY, JAMES, GB
[73] INTELLIGENT DRILLING TOOLS LIMITED, GB
[85] 2016-08-09
[86] 2015-02-13 (PCT/GB2015/050423)
[87] (WO2015/121676)
[30] GB (1402660.3) 2014-02-14

[11] **2,939,337**
[13] C
[51] **Int.Cl. C25C 1/00 (2006.01) C25C 7/02 (2006.01) C25C 7/06 (2006.01)**
[25] EN
[54] **ANODE STRUCTURE FOR METAL ELECTROWINNING CELLS**
[54] **STRUCTURE D'ANODE POUR CELLULES D'EXTRACTION ELECTROLYTIQUE DE METAUX**
[72] PRADO PUEO, FELIX, ES
[73] INDUSTRIE DE NORA S.P.A., IT
[85] 2016-08-10
[86] 2015-02-03 (PCT/EP2015/052122)
[87] (WO2015/079072)
[30] IT (MI2014A000238) 2014-02-19

[11] **2,939,786**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PYRAZOLO[1,5-A]PYRIMIDINE-5,7-DIAMINE COMPOUNDS AS CDK INHIBITORS AND THEIR THERAPEUTIC USE**
[54] **PYRAZOLO[1,5-A]PYRIMIDINE-5,7-DIAMINES EN TANT QU'INHIBITEURS DE CDK ET LEUR UTILISATION THERAPEUTIQUE**
[72] BONDKE, ALEXANDER, DE
[72] KROLL, SEBASTIAN, GB
[72] BARRETT, ANTHONY, GB
[72] FUCHTER, MATTHEW, GB
[72] SLAFER, BRIAN, US
[72] ALI, SIMAK, GB
[72] COOMBES, CHARLES, GB
[72] SNYDER, JAMES PATRICK, US
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[73] EMORY UNIVERSITY, US
[73] IP2IPO INNOVATIONS LIMITED, GB
[85] 2016-08-16
[86] 2015-02-20 (PCT/GB2015/050494)
[87] (WO2015/124941)
[30] GB (1403093.6) 2014-02-21

[11] **2,940,153**
[13] C
[51] **Int.Cl. E02F 3/04 (2006.01) B65G 17/12 (2006.01) B65G 47/40 (2006.01)**
[25] EN
[54] **BUCKET FOR A BUCKET ELEVATOR**
[54] **GODET POUR ELEVATEUR A GODETS**
[72] TAYLOR, PAUL D., US
[73] TAPCO, INC., US
[85] 2016-08-18
[86] 2015-02-20 (PCT/US2015/016795)
[87] (WO2015/127188)
[30] US (14/186,769) 2014-02-21

[11] **2,941,656**
[13] C
[51] **Int.Cl. C07K 16/24 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **HIGH-AFFINITY AND AGGREGATION-RESISTANT ANTIBODIES BASED ON VARIABLE DOMAINS VL AND VHH-DERIVATES**
[54] **ANTICORPS A GRANDE AFFINITE ET RESISTANTS A L'AGREGATION FONDES SUR DES DOMAINES VARIABLES VL ET DES DERIVES VHH**
[72] ULITIN, ANDREY BORISOVICH, RU
[72] EVDOKIMOV, STANISLAV RUDOLFOVICH, RU
[72] SOLOVIEV, VALERIY VLADIMIROVICH, RU
[72] CHERNYH, YULIA SERGEEVNA, RU
[72] GONCHAROVA, OLGA VLADIMIROVNA, RU
[72] KORZHAVIN, DMITRIY VALERIEVICH, RU
[72] CHERNOVSKAYA, TATYANA VENIAMINOVNA, RU
[72] NEMANKIN, TIMOFEY ALEKSANDROVICH, RU
[72] IVANOV, ROMAN ALEXEEVICH, RU
[72] MOROZOV, DMITRIY VALENTINOVICH, RU
[72] EKIMOVA, VICTORIA MIKHAILOVNA, RU
[72] SOFRONOVA, EKATERINA VLADIMIROVNA, RU
[72] USTYUGOV, YAKOV YUREVICH, RU
[73] CLOSED JOINT STOCK COMPANY "BIOCAD", RU
[85] 2016-09-01
[86] 2015-03-23 (PCT/RU2015/000163)
[87] (WO2016/048188)
[30] RU (2014138740) 2014-09-26

[11] **2,943,134**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/30 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **THERMAL CONDITIONING OF FISHBONES**
[54] **CONDITIONNEMENT THERMIQUE D'ARRETES DE POISSON**
[72] FILATYEV, SERGEI A., US
[72] GOVIND, PRADEEP ANANTH, CA
[72] WHEELER, THOMAS J., US
[73] CONOCOPHILIPS COMPANY, US
[86] (2943134)
[87] (2943134)
[22] 2016-09-23
[30] US (62/222,543) 2015-09-23

[11] **2,944,069**
[13] C
[51] **Int.Cl. C07D 403/14 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SIGMA-2 RECEPTOR LIGAND DRUG CONJUGATES AS ANTITUMOR COMPOUNDS, METHODS OF SYNTHESIS AND USES THEREOF**
[54] **CONJUGUES LIGAND DU RECEPTEUR SIGMA-2-MEDICAMENT EN TANT QUE COMPOSES ANTITUMORAUX, PROCEDES DE SYNTHESE ET UTILISATIONS DE CES COMPOSES**
[72] HAWKINS, WILLIAM, US
[72] MACH, ROBERT, US
[72] SPITZER, DIRK, US
[72] VANGVERAVONG, SUWANNA, US
[72] VAN TINE, BRIAN, US
[73] WASHINGTON UNIVERSITY, US
[85] 2016-09-26
[86] 2015-04-01 (PCT/US2015/023954)
[87] (WO2015/153814)
[30] US (61/973,366) 2014-04-01

[11] **2,945,316**
[13] C
[51] **Int.Cl. F25J 1/02 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR LIQUEFYING NATURAL GAS**
[54] **SYSTEME ET PROCEDE DE LIQUEFACTION DE GAZ NATUREL**
[72] GANDHI, SATISH L., US
[72] ROCKWELL, JIM L., US
[72] HERZOG, KARL L., US
[72] VOGEL, DAVID C., US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2016-10-07
[86] 2015-04-08 (PCT/US2015/024942)
[87] (WO2015/160593)
[30] US (61/980,195) 2014-04-16
[30] US (14/681,255) 2015-04-08

[11] **2,946,092**
[13] C
[51] **Int.Cl. B02C 17/22 (2006.01) B02C 17/18 (2006.01)**
[25] EN
[54] **A METHOD AND AN ARRANGEMENT FOR DETERMINING A DEGREE OF FULLNESS OF A LARGE GRINDING MILL DRUM, AND A LARGE GRINDING MILL DRUM**
[54] **PROCEDE ET AGENCEMENT POUR DETERMINER UN DEGRE DE REMPLISSAGE D'UN GRAND TAMBOUR DE BROYEUR ET GRAND TAMBOUR DE BROYEUR**
[72] PIRTTINIEMI, JUKKA, FI
[72] PORKKA, ESA, FI
[72] VATANSKI, NIKOLAI, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2016-10-17
[86] 2015-04-27 (PCT/FI2015/050288)
[87] (WO2015/166140)
[30] FI (20145394) 2014-04-28

[11] **2,950,183**
[13] C
[51] **Int.Cl. A62B 9/00 (2006.01) A62B 15/00 (2006.01)**
[25] EN
[54] **MODULAR MANIFOLD ASSEMBLY FOR SEQUENTIALLY DRAWING FLUID FROM FLUID STORAGE TANKS**
[54] **ENSEMBLE COLLECTEUR MODULAIRE PERMETTANT D'ASPIRER DE MANIERE SEQUENTIELLE UN FLUIDE DEPUIS DES RESERVOIRS DE STOCKAGE DE FLUIDE**
[72] RADO, GORDON E., US
[73] MUNICIPAL EMERGENCY SERVICES, INC., US
[85] 2016-11-23
[86] 2015-05-28 (PCT/US2015/032880)
[87] (WO2015/184091)
[30] US (62/003,743) 2014-05-28

[11] **2,950,591**
[13] C
[51] **Int.Cl. A23B 4/02 (2006.01) A23B 4/052 (2006.01)**
[25] EN
[54] **PRODUCTION LINE AND METHOD FOR IN-LINE PROCESSING OF FOOD PRODUCTS**
[54] **CHAINE ET PROCEDE DE PRODUCTION PERMETTANT DE TRANSFORMER EN LIGNE DES PRODUITS ALIMENTAIRES**
[72] REULING, SANNE, NL
[72] MEULENDIJKS, JOHANNES MARTINUS, NL
[72] KOOLS, JOHANNES MARINUS QUIRINUS, NL
[73] MAREL TOWNSEND FURTHER PROCESSING B.V., NL
[85] 2016-12-05
[86] 2014-07-11 (PCT/NL2014/050473)
[87] (WO2015/009143)
[30] NL (2011200) 2013-07-19

[11] **2,952,128**
[13] C
[51] **Int.Cl. B60N 2/07 (2006.01) B60N 2/08 (2006.01)**
[25] EN
[54] **QUICK ADJUST POWER ADJUSTER WITH SPLIT NUT FOR AUTOMOTIVE SEAT**
[54] **REGULATEUR D'ALIMENTATION A REGLAGE RAPIDE DOTE D'UN ECROU DE VIS-MERE POUR SIEGE D'AUTOMOBILE**
[72] RUNDE, DAVID M., US
[73] MAGNA SEATING INC., CA
[86] (2952128)
[87] (2952128)
[22] 2016-12-19
[30] US (62/269,504) 2015-12-18

[11] **2,952,864**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **SOLVENT ADDITION TO IMPROVE EFFICIENCY OF HYDROCARBON PRODUCTION**
[54] **ADJONCTION DE SOLVANT POUR AMELIORER L'EFFICACITE DE LA PRODUCTION D'HYDROCARBURES**
[72] AL-MURAYRI, MOHAMMED TAHA, CA
[72] HARDING, THOMAS, CA
[72] MAINI, BRIJ BHOOSHAN, CA
[72] OSKOUEI, JAVAD, CA
[73] CNOOC PETROLEUM NORTH AMERICA ULC, CA
[85] 2016-12-16
[86] 2014-12-12 (PCT/CA2014/000884)
[87] (WO2016/004501)
[30] CA (PCT/CA2014/000546) 2014-07-07

[11] **2,953,188**
[13] C
[51] **Int.Cl. A62C 2/22 (2006.01) A62C 3/00 (2006.01) B65G 21/00 (2006.01) E06B 3/90 (2006.01)**
[25] EN
[54] **DEVICE FOR PROVIDING A PASSAGE**
[54] **DISPOSITIF DE FOURNITURE D'UNE TRANSITION**
[72] STEHR, PETER BERNHARD, DE
[73] AMRONA AG, CH
[85] 2016-12-21
[86] 2015-04-27 (PCT/EP2015/059042)
[87] (WO2016/005067)
[30] DE (102014109495.6) 2014-07-08

[11] **2,954,929**
[13] C
[51] **Int.Cl. B23K 26/08 (2014.01) B23K 26/38 (2014.01)**
[25] EN
[54] **LASER TUBE CUTTER WITH IN-SITU MEASURING AND SORTING**
[54] **DISPOSITIF DE DECOUPAGE DE TUBE A LASER A MESURE ET TRI IN SITU**
[72] HONEGGER, ANDREW, US
[72] PHILLIP, ANDREW, US
[72] BHATTACHARYYA, ONIK, US
[72] STACY, KYLE, US
[72] NOWOBILSKI, GRZEGORZ, US
[72] SZCZEPANIK, KAMIL, US
[73] MICROLUTION INC., US
[85] 2017-01-11
[86] 2015-07-16 (PCT/US2015/040802)
[87] (WO2016/011289)
[30] US (62/025,181) 2014-07-16

[11] **2,955,187**
[13] C
[51] **Int.Cl. B02C 13/26 (2006.01)**
[25] EN
[54] **DISCHARGE GRATES FOR REDUCTION MILLS**
[54] **GRILLES DE DECHARGEMENT POUR CONVERTISSEURS**
[72] MEEUWSEN, KYLE J., US
[72] SPRINGER, CASEY E., US
[72] WEEKS, MICHAEL R., US
[73] ESCO GROUP LLC, US
[85] 2017-01-13
[86] 2015-07-13 (PCT/US2015/040222)
[87] (WO2016/010931)
[30] US (62/024,038) 2014-07-14

[11] **2,955,336**
[13] C
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 36/752 (2006.01) A61P 1/00 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **METHOD OF EXTRACTING FLAVONOIDS AND/OR POLYPHENOLS FROM DRIED AND POWDERED ORANGE PEELS, COMPOSITIONS THEREFROM, AND METHODS OF TREATMENT OF DISEASES ASSOCIATED WITH CHRONIC INFLAMMATION**
[54] **PROCEDE POUR EXTRAIRE DES FLAVONOIDES ET/OU POLYPHENOLS D'ECORCES D'ORANGE SECHEES ET EN POUDRE, SES COMPOSITIONS, ET PROCEDES DE TRAITEMENT DE MALADIES ASSOCIEES A UNE INFLAMMATI ON CHRONIQUE**
[72] VASUDEVAN, HARISH, CA
[72] TAIT, ANDREW, CA
[73] TAIT LABORATORIES INC., CA
[85] 2017-01-16
[86] 2014-07-16 (PCT/CA2014/000599)
[87] (WO2015/006863)
[30] US (61/846,995) 2013-07-16

[11] **2,956,018**
[13] C
[51] **Int.Cl. G21C 15/18 (2006.01) G21C 15/24 (2006.01) G21C 19/28 (2006.01)**
[25] EN
[54] **INTEGRAL ISOLATION VALVE SYSTEMS AND METHODS OF OPERATING SAME FOR LOSS OF COOLANT ACCIDENT (LOCA) PROTECTION**
[54] **SYSTEMES DE VANNE D'ISOLATION INTEGRALE ET PROCEDE DE FONCTIONNEMENT DE CEUX-CI POUR PROTECTION CONTRE UNE PERTE ACCIDENTELLE DE REFRIGERANT (LOCA)**
[72] KANUCH, DAVID J., US
[72] DIFILIPO, PAUL P., US
[73] BWXT MPOWER, INC., US
[85] 2017-01-20
[86] 2015-07-21 (PCT/US2015/041345)
[87] (WO2016/014540)
[30] US (14/337,268) 2014-07-22

[11] **2,957,033**
[13] C
[51] **Int.Cl. B60S 3/06 (2006.01) A46B 13/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **A LIGHTED WASH COMPONENT WITH A SLIP RING CONNECTOR**
[54] **COMPOSANT DE LAVAGE ECLAIRE AVEC UN CONNECTEUR A BAGUE COLLECTRICE**
[72] BELANGER, MICHAEL J., US
[72] TURNER, BARRY S., US
[72] PRATER, CURTIS S., US
[72] SAYYAE, MICHAEL S., US
[73] BELANGER, INC., US
[85] 2017-02-01
[86] 2015-08-28 (PCT/US2015/047314)
[87] (WO2016/033393)
[30] US (14/471,839) 2014-08-28

[11] **2,957,320**
[13] C
[51] **Int.Cl. F28F 9/00 (2006.01) F28D 7/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EVAPORATING LIQUIDS CONTAINING POTENTIALLY EXPLOSIVE IMPURITIES**
[54] **APPAREIL ET PROCEDE PERMETTANT D'EVAPORER DES LIQUIDES CONTENANT DES IMPURETES POTENTIELLEMENT EXPLOSIVES**
[72] SOPPE, ALFRED, CN
[72] SUN, JIYUAN, CN
[72] LEIDIG, THORSTEN, DE
[72] RUNOWSKI, THOMAS, DE
[72] HEITKAMP, DIETER, DE
[73] COVESTRO DEUTSCHLAND AG, DE
[85] 2017-02-06
[86] 2014-08-14 (PCT/CN2014/084399)
[87] (WO2016/023209)

[11] **2,957,794**
[13] C
[51] **Int.Cl. G16H 40/20 (2018.01) A61B 90/98 (2016.01) G16H 20/40 (2018.01) G16H 40/63 (2018.01) G16H 70/20 (2018.01) A61B 34/20 (2016.01) G16H 30/20 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING EQUIPMENT IN A MEDICAL PROCEDURE**
[54] **SYSTEME ET PROCEDE DE GESTION D'EQUIPEMENT DANS UNE PROCEDURE MEDICALE**
[72] PIRON, CAMERON, CA
[72] RICHMOND, JOSHUA, CA
[73] SYNAPTIVE MEDICAL INC., CA
[85] 2017-02-10
[86] 2014-08-15 (PCT/CA2014/050781)
[87] (WO2016/023097)

[11] **2,958,052**
[13] C
[51] **Int.Cl. A61K 8/92 (2006.01) A61K 8/37 (2006.01) A61K 8/97 (2017.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **NON-GREASY PERSONAL CARE COMPOSITIONS**
[54] **COMPOSITIONS D'HYGIENE PERSONNELLE NON GRASSES**
[72] LESNIAK, EWELINA, US
[72] POTECHIN, KATHY, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-02-13
[86] 2014-09-23 (PCT/US2014/056888)
[87] (WO2016/048274)

[11] **2,961,008**
[13] C
[51] **Int.Cl. H01S 3/00 (2006.01) B23K 26/067 (2006.01) B23K 26/32 (2014.01) B23K 26/40 (2014.01) H01S 3/067 (2006.01) H01S 3/23 (2006.01) H01S 5/026 (2006.01) G02B 26/08 (2006.01)**
[25] EN
[54] **LASER SOURCE, PARTICULARLY FOR INDUSTRIAL PROCESSES**
[54] **SOURCE LASER DESTINEE EN PARTICULIER A DES PROCEDES INDUSTRIELS**
[72] MAGNANO, NUNZIO, IT
[72] GATTIGLIO, MAURIZIO, IT
[73] COMAU S.P.A., IT
[85] 2017-03-10
[86] 2015-09-22 (PCT/IB2015/057282)
[87] (WO2016/046735)
[30] IT (TO2014A000766) 2014-09-26

---

[11] **2,962,146**
[13] C
[51] **Int.Cl. A01D 41/12 (2006.01) A01F 12/30 (2006.01)**
[25] EN
[54] **MECHANICAL WEED SEED MANAGEMENT SYSTEM**
[54] **SYSTEME MECANIQUE DE GESTION DE GRAINE DE MAUVAISES HERBES**
[72] BRADLEY, PHILLIP, AU
[73] HRT INVESTORS PTY LTD, AU
[73] BAIL & BURNIT PTY LTD, AU
[85] 2017-01-24
[86] 2015-11-20 (PCT/AU2015/000703)
[87] (WO2016/201482)
[30] AU (2015902339) 2015-06-18

---

[11] **2,962,183**
[13] C
[51] **Int.Cl. B62D 33/02 (2006.01) B62D 25/20 (2006.01) B62D 33/023 (2006.01)**
[25] EN
[54] **AUTOMOTIVE VEHICLE STRUCTURAL PART AND METHOD OF PRODUCING THE SAME**
[54] **PIECE STRUCTURALE DE VEHICULE AUTOMOBILE ET SON PROCEDE DE FABRICATION**
[72] SCHNEIDER, NICOLAS, FR
[73] ARCELORMITTAL, LU
[85] 2017-03-22
[86] 2015-09-22 (PCT/IB2015/057286)
[87] (WO2016/046739)
[30] IB (PCT/IB2014/064736) 2014-09-22

---

[11] **2,962,521**
[13] C
[51] **Int.Cl. F23J 13/00 (2006.01) F16K 1/12 (2006.01) F16K 15/02 (2006.01)**
[25] EN
[54] **NON-RETURN VALVE FOR FLUE GAS VENTING AND DAMPER ASSEMBLY FOR USE THEREIN**
[54] **CLAPET ANTIRETOUR DESTINE A L'AERATION DE GAZ DE CARNEAU ET DISPOSITIF D'ATTENUATEUR ASSOCIE AUDIT CLAPET**
[72] LEUNG, MARTIN KWAN YU, CA
[72] MARTINO, FILIPPO, CA
[73] IPEX TECHNOLOGIES INC., CA
[86] (2962521)
[87] (2962521)
[22] 2017-03-29
[30] CA (2,925,561) 2016-03-30

---

[11] **2,964,529**
[13] C
[51] **Int.Cl. A47G 19/14 (2006.01) A47J 31/18 (2006.01)**
[25] EN
[54] **LIQUID-CONTAINING CONTAINER WITH FILTER PLATE**
[54] **CONTENANT A LIQUIDE AVEC PLAQUE FILTRANTE**
[72] LIU, SHENG-YU, TW
[73] FREE-FREE INDUSTRIAL CORP., TW
[86] (2964529)
[87] (2964529)
[22] 2017-04-18
[30] TW (105139060) 2016-11-28

---

[11] **2,966,574**
[13] C
[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/074 (2010.01) A23L 33/10 (2016.01) A61K 8/37 (2006.01) A61K 31/231 (2006.01) A61K 35/12 (2015.01) A61P 43/00 (2006.01) A61Q 19/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **AGENTS FOR MAINTAINING UNDIFFERENTIATED STATE AND PROMOTING PROLIFERATION OF STEM CELLS**
[54] **AGENT DESTINE A MAINTENIR DES CELLULES SOUCHES A L'ETAT INDIFFERENCIE ET AGENT DESTINE A FAVORISER LEUR CROISSANCE**
[72] HASEGAWA, SEIJI, JP
[72] INOUE, YU, JP
[72] HASEBE, YUICHI, JP
[72] SAKAIDA, TSUTOMU, JP
[73] NIPPON MENARD COSMETIC CO., LTD., JP
[85] 2017-05-02
[86] 2015-11-05 (PCT/JP2015/081109)
[87] (WO2016/072435)
[30] JP (2014-226389) 2014-11-06

---

[11] **2,967,298**
[13] C
[51] **Int.Cl. C22C 21/06 (2006.01) C22C 21/08 (2006.01) C22F 1/047 (2006.01)**
[25] EN
[54] **MULTIPURPOSE HEAT TREATABLE ALUMINUM ALLOYS AND RELATED PROCESSES AND USES**
[54] **ALLIAGES D'ALUMINIUM A USAGES MULTIPLES POUVANT SUBIR UN TRAITEMENT THERMIQUE ET PROCEDES ET UTILISATIONS ASSOCIES**
[72] GUPTA, ALOK KUMAR, CA
[72] CHUC GAMBOA, EDUARDO ADRIAN, CA
[73] NOVELIS INC., US
[85] 2017-05-10
[86] 2015-10-21 (PCT/US2015/056720)
[87] (WO2016/077044)
[30] US (62/078,027) 2014-11-11

[11] **2,969,079**
[13] C
[51] **Int.Cl. B62B 7/04 (2006.01) B62B 9/00 (2006.01)**
[25] EN
[54] **PASSENGER TRANSPORT CARRIERS**
[54] **SUPPORTS DE TRANSPORT DE PASSAGERS**
[72] BRITTON, DANIEL WILLIAM, CA
[72] SINGH, PARAMJIT, CA
[72] STENGLER, MATTHEW, CA
[73] THULE SWEDEN AB, SE
[85] 2017-05-26
[86] 2015-11-19 (PCT/IB2015/058986)
[87] (WO2016/083962)
[30] US (62/084,992) 2014-11-26

[11] **2,970,961**
[13] C
[51] **Int.Cl. B07B 1/46 (2006.01) B07B 1/48 (2006.01) F16B 2/22 (2006.01)**
[25] EN
[54] **SUPPORT FOR TENSIONED SCREENING MEDIA**
[54] **SUPPORT POUR MOYENS DE TAMISAGE TENDUS**
[72] MALMBERG, MATS, SE
[72] FRANSSON, THOMAS, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-06-15
[86] 2015-01-16 (PCT/EP2015/050777)
[87] (WO2016/112994)

[11] **2,971,574**
[13] C
[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/19 (2006.01) A61K 8/21 (2006.01) A61K 8/24 (2006.01) A61K 8/46 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS**
[54] **COMPOSITIONS POUR SOINS D'HYGIENE BUCCO-DENTAIRES**
[72] KOCINSKA, AGNIESZKA, CH
[72] LAMBERT, PIERRE, CH
[72] PEREIRA RAMOS, SANDRA, BR
[72] BUEB, NADIA, FR
[72] SCHMID, JOSHUA, CH
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-06-19
[86] 2014-12-23 (PCT/US2014/072189)
[87] (WO2016/105389)

[11] **2,972,829**
[13] C
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 1/28 (2006.01) E21B 4/14 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MODIFYING AXIAL FORCE**
[54] **APPAREIL ET PROCEDE DE MODIFICATION DE FORCE AXIALE**
[72] CAMPBELL, JOSH, CA
[73] ANDERSON, CHARLES ABERNETHY, CA
[85] 2017-06-30
[86] 2015-03-27 (PCT/CA2015/000187)
[87] (WO2016/154703)

[11] **2,973,835**
[13] C
[51] **Int.Cl. A61F 2/04 (2013.01) A61F 2/86 (2013.01)**
[25] EN
[54] **A DILATING DEVICE FOR PROSTATIC URETHRA**
[54] **DISPOSITIF DE DILATATION POUR URETRE PROSTATIQUE**
[72] BACHAR, YEHUDA, IL
[73] BUTTERFLY MEDICAL LTD., IL
[85] 2017-07-10
[86] 2015-01-26 (PCT/IL2015/050092)
[87] (WO2015/111063)
[30] US (61/931,645) 2014-01-26

[11] **2,975,267**
[13] C
[51] **Int.Cl. A01M 1/14 (2006.01)**
[25] EN
[54] **INSECT PEST MONITOR AND PRODUCT TRANSFER STATION**
[54] **PIEGE A INSECTES RAVAGEURS ET STATION DE TRANSFERT DE PRODUIT**
[72] JOHNSTON, STACI J., US
[72] GARDNER, DOUGLAS B., US
[73] ECOLAB USA INC., US
[85] 2017-07-27
[86] 2016-02-19 (PCT/US2016/018690)
[87] (WO2016/134265)
[30] US (14/626,254) 2015-02-19
[30] US (15/005,642) 2016-01-25

[11] **2,981,768**
[13] C
[51] **Int.Cl. C07D 473/34 (2006.01) C07D 495/04 (2006.01) C07J 17/00 (2006.01)**
[25] EN
[54] **BIOCONJUGATES OF HETEROCYCLIC COMPOUNDS**
[54] **BIOCONJUGUES DE COMPOSES HETEROCYCLIQUES**
[72] HAO, XIUJUAN, US
[73] TAIZHOU HUIFENG HETAI BIOTECHNOLOGY CO. LTD, CN
[85] 2017-10-03
[86] 2016-04-06 (PCT/US2016/026279)
[87] (WO2016/164504)
[30] US (62/143,790) 2015-04-06
[30] US (15/091,544) 2016-04-05

[11] **2,981,845**
[13] C
[51] **Int.Cl. C07D 471/08 (2006.01) C07D 209/04 (2006.01) C07D 487/08 (2006.01) C07D 513/08 (2006.01)**
[25] EN
[54] **MONO- OR DI-SUBSTITUTED INDOLE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS**
[54] **DERIVES D'INDOLE MONOSUBSTITUES OU DISUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE LA REPLICATION DU VIRUS DE LA DENGUE**
[72] KESTELEYN, BART RUDOLF ROMANIE, BE
[72] BONFANTI, JEAN-FRANCOIS, FR
[72] JONCKERS, TIM HUGO MARIA, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] BARDIOT, DOROTHEE ALICE MARIE-EVE, BE
[72] MARCHAND, ARNAUD DIDIER M., BE
[73] JANSSEN PHARMACEUTICALS, INC., US
[73] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[85] 2017-10-04
[86] 2016-05-04 (PCT/EP2016/059975)
[87] (WO2016/180696)
[30] EP (15166900.9) 2015-05-08
[30] EP (16163342.5) 2016-03-31

[11] **2,982,453**
[13] C
[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **PROPPANT HAVING NON-UNIFORM ELECTRICALLY CONDUCTIVE COATINGS AND METHODS FOR MAKING AND USING SAME**
[54] **AGENT DE SOUTENEMENT AYANT DES REVETEMENTS NON UNIFORMES ELECTRIQUEMENT CONDUCTEURS ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] CANNAN, CHAD, US
[72] BARTEL, LEWIS, US
[72] ROPER, TODD, US
[73] CARBO CERAMICS INC., US
[85] 2017-10-11
[86] 2016-04-15 (PCT/US2016/027917)
[87] (WO2016/168719)
[30] US (62/148,422) 2015-04-16
[30] US (14/826,965) 2015-08-14
[30] US (14/942,304) 2015-11-16

[11] **2,983,155**
[13] C
[51] **Int.Cl. C09D 163/00 (2006.01) C09D 7/40 (2018.01) C09D 7/80 (2018.01) C09D 165/00 (2006.01) C09D 201/02 (2006.01)**
[25] EN
[54] **MODIFIED EPOXY PRIMER FOR IMPROVED ADHESION OF RMA CROSSLINKABLE COATING COMPOSITIONS**
[54] **APPRET DE TYPE EPOXY MODIFIE POUR ADHERENCE AMELIOREE DES COMPOSITIONS DE REVETEMENT RETICULABLES PAR RMA**
[72] GOEDEGEBUURE, RIEN, NL
[72] THYS, FERRY LUDOVICUS, BE
[72] DE WOLF, ELWIN ALOYSIUS CORNELIUS ADRIANUS, NL
[72] BRINKHUIS, RICHARD HENDRIKUS GERRIT, NL
[72] GESSNER, MICHAEL ANTHONY, US
[72] BUSER, ANTONIUS JOHANNES WILHELMUS, NL
[72] SAUER, DAVID JAMES, US
[73] ALLNEX NETHERLANDS B.V., NL
[85] 2017-10-16
[86] 2016-04-18 (PCT/EP2016/058540)
[87] (WO2016/166371)
[30] US (62/148,966) 2015-04-17
[30] EP (15169717.4) 2015-05-28

[11] **2,984,944**
[13] C
[51] **Int.Cl. A43B 5/16 (2006.01)**
[25] EN
[54] **SKATE BOOT HAVING AN INNER LINER WITH AN ABRASION RESISTANT OVERLAY**
[54] **CHAUSSURE DE PATIN A DOUBLURE INTERIEURE COMPORTANT UN REVETEMENT RESISTANT A L'ABRASION**
[72] CHAMPAGNE, GAETAN, CA
[72] BIDAL, JEAN-MARIE, CA
[72] NAULT, DONALD, CA
[72] CHALIFOUX, STEPHANE, CA
[73] BAUER HOCKEY LTD., CA
[86] (2984944)
[87] (2984944)
[22] 2013-09-30
[62] 2,828,938

[11] **2,985,931**
[13] C
[51] **Int.Cl. F03H 1/00 (2006.01) B64G 1/26 (2006.01) B64G 1/40 (2006.01) G21B 1/11 (2006.01) H05H 1/24 (2006.01)**
[25] EN
[54] **INJECTION SYSTEM AND METHOD FOR INJECTING A CYLINDRICAL ARRAY OF DISCRETE LIQUID JETS**
[54] **SYSTEME ET METHODE D'INJECTION SERVANT A INJECTER UN RESEAU CYLINDRIQUE DE JETS DE LIQUIDES DISCRETS**
[72] ANDERSON, JEFFERY S., US
[72] GISH, ERIN R., US
[73] THE BOEING COMPANY, US
[86] (2985931)
[87] (2985931)
[22] 2017-11-16
[30] US (15/426,952) 2017-02-07

[11] **2,986,817**
[13] C
[51] **Int.Cl. G06Q 20/08 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2017-11-22
[86] 2015-04-30 (PCT/CN2015/078082)
[87] (WO2016/172956)

[11] **2,990,906**
[13] C
[51] **Int.Cl. C08F 2/00 (2006.01) C08F 2/01 (2006.01) C08F 10/02 (2006.01) C08L 23/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A POLYETHYLENE PRODUCT**
[54] **PROCEDE DE PREPARATION D'UN PRODUIT DE POLYETHYLENE**
[72] VANTOMME, AURELIEN, BE
[72] WILLOCQ, CHRISTOPHER, BE
[73] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[85] 2017-12-27
[86] 2016-07-13 (PCT/EP2016/066677)
[87] (WO2017/009386)
[30] EP (15176886.8) 2015-07-15

[11] **2,992,348**
[13] C
[51] **Int.Cl. B60W 40/12 (2012.01) B60P 1/04 (2006.01) B60W 40/10 (2012.01) B62D 63/04 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM AND METHOD FOR A VEHICLE WITH A DUMP BODY**
[54] **SYSTEME ET METHODE DE SURVEILLANCE D'UN VEHICULE EQUIPE D'UN CORPS DE BENNE**
[72] GAGNON, ALLEN JOSEPH MARC, CA
[73] CLERAL INC., CA
[85] 2018-02-21
[86] 2017-12-13 (PCT/CA2017/000266)
[87] (WO2018/107264)
[30] US (62/433,717) 2016-12-13

[11] **2,994,244**
[13] C
[51] **Int.Cl. A61B 5/12 (2006.01) G01H 15/00 (2006.01) G01H 17/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CHARACTERIZATION OF ACUTE OTITIS MEDIA**
[54] **APPAREIL ET PROCEDE POUR LA CARACTERISATION D'UNE OTITE MOYENNE AIGUE**
[72] MOEHRING, MARK, US
[72] CHESAVAGE, JAY, US
[72] SINGH, RAHUL, US
[72] KREINDLER, DANNY, US
[72] GATES, GEORGE, US
[73] OTONEXUS MEDICAL TECHNOLOGIES, INC, US
[85] 2018-01-30
[86] 2016-02-25 (PCT/US2016/019432)
[87] (WO2017/011035)
[30] US (14/797,181) 2015-07-13

[11] **2,996,281**
[13] C
[51] **Int.Cl. G01N 33/50 (2006.01) A61K 31/421 (2006.01) A61K 31/426 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **OPIOID RECEPTOR MODULATORS AND USE THEREOF**
[54] **MODULATEURS DES RECEPTEURS OPIOIDES ET LEUR UTILISATION**
[72] UENG, SHAU-HUA, TW
[72] YEH, SHIU-HWA, TW
[72] LOH, HORACE, US
[72] CHAO, YU-SHENG, US
[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2018-02-21
[86] 2016-06-15 (PCT/US2016/037500)
[87] (WO2017/039778)
[30] US (62/212,145) 2015-08-31

[11] **2,996,790**
[13] C
[51] **Int.Cl. G01V 1/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT**
[54] **PROCEDE ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITE NODALE D'ACQUISITION DE DONNEES SISMIQUES**
[72] RAY, CLIFFORD H., US
[72] FISSELER, GLENN D., US
[72] GUYTON, WILLIAM, US
[73] FAIRFIELD INDUSTRIES INCORPORATED, US
[86] (2996790)
[87] (2996790)
[22] 2008-11-04
[62] 2,700,280
[30] US (60/994,711) 2007-09-21
[30] US (11/977,580) 2007-10-25

[11] **2,996,890**
[13] C
[51] **Int.Cl. E21B 3/02 (2006.01) F16H 3/097 (2006.01)**
[25] EN
[54] **DUAL TORQUE TRANSFER FOR TOP DRIVE SYSTEM**
[54] **TRANSFERT DE COUPLE DOUBLE DESTINE A UN SYSTEME D'ENTRAINEMENT SUPERIEUR**
[72] AMEZAGA, FEDERICO, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2996890)
[87] (2996890)
[22] 2018-02-28
[30] US (15/447,881) 2017-03-02

[11] **2,997,034**
[13] C
[51] **Int.Cl. H04N 21/472 (2011.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PLAYING VIDEO CONTENT FROM ANY LOCATION AND ANY TIME**
[54] **METHODE ET APPAREIL DE LECTURE DE CONTENU VIDEO A PARTIR DE PARTOUT ET EN TOUT TEMPS**
[72] LIAN, SHIGUO, CN
[72] QU, ZHAN, CN
[72] HUANG, XUEYAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-02-28
[86] 2016-08-24 (PCT/CN2016/096568)
[87] (WO2017/036329)
[30] CN (201510543434.0) 2015-08-29

---

[11] **2,997,262**
[13] C
[51] **Int.Cl. G01W 1/10 (2006.01) G01S 13/95 (2006.01) G01W 1/14 (2006.01)**
[25] EN
[54] **GENERATING PROBABILISTIC ESTIMATES OF RAINFALL RATES FROM RADAR REFLECTIVITY MEASUREMENTS**
[54] **GENERATION D'ESTIMATIONS PROBABILISTES DES TAUX DE PRECIPITATION A PARTIR DE MESURES DE REFLECTIVITE D'UN RADAR**
[72] KLEEMAN, ALEXANDER, US
[72] LAKSHMANAN, VALLIAPPA, US
[72] REID, BETH, US
[73] THE CLIMATE CORPORATION, US
[85] 2018-03-01
[86] 2016-09-02 (PCT/US2016/050247)
[87] (WO2017/044391)
[30] US (62/216,426) 2015-09-10
[30] US (14/945,282) 2015-11-18

---

[11] **2,998,736**
[13] C
[51] **Int.Cl. B65D 41/62 (2006.01) B65D 41/28 (2006.01) B65D 45/00 (2006.01) B65D 45/02 (2006.01) B65D 45/30 (2006.01) B65D 51/18 (2006.01)**
[25] EN
[54] **CONTAINER CLOSURE WITH OVER-CAP DEVICE**
[54] **FERMETURE DE RECIPIENT AVEC DISPOSITIF FORMANT SURCOUVERCLE**
[72] DELLEVIGNE, LAURA, US
[72] MATHELIER, MARTIN ANTOINE, US
[72] FABOZZI, THIERRY JEAN ROBERT, CH
[72] MORSE, SHARI LEE, US
[73] PEPSICO, INC., US
[85] 2018-03-14
[86] 2016-08-25 (PCT/US2016/048654)
[87] (WO2017/052968)
[30] US (62/222,065) 2015-09-22

---

[11] **3,000,437**
[13] C
[51] **Int.Cl. A01C 7/00 (2006.01) A01C 7/04 (2006.01) A01C 7/08 (2006.01) A01C 7/16 (2006.01)**
[25] EN
[54] **SEED LEVEL DETECTION IN A SEED METER**
[54] **DETECTION DE NIVEAU DE SEMENCES DANS UN DOSEUR DE SEMENCES**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (3000437)
[87] (3000437)
[22] 2018-04-06
[30] US (15/592,363) 2017-05-11

---

[11] **3,000,778**
[13] C
[51] **Int.Cl. A61F 5/00 (2006.01) A61F 5/01 (2006.01) A61F 5/30 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE KNEE BRACE INTENDED FOR PATIENTS WITH OSTEOARTHRITIS**
[54] **ATTELLE DE GENOU PERSONNALISABLE DESTINEE A DES PATIENTS SOUFFRANT D'ARTHROSE**
[72] GILDERSLEEVE, RICHARD, US
[72] KOVACEVICH, IAN, US
[72] GOMEZ, NICHOLAS, US
[73] DJO, LLC, US
[85] 2018-03-29
[86] 2016-10-14 (PCT/US2016/057133)
[87] (WO2017/066632)
[30] US (62/241,989) 2015-10-15

---

[11] **3,002,628**
[13] C
[51] **Int.Cl. G08G 1/16 (2006.01) B60R 21/00 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **DISPLAY CONTROL METHOD AND DISPLAY CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE D'AFFICHAGE ET DISPOSITIF DE COMMANDE D'AFFICHAGE**
[72] TAKAE, YASUHIKO, JP
[72] SUNDA, TAKASHI, JP
[72] SHINO, TATSUYA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-19
[86] 2015-10-22 (PCT/JP2015/079877)
[87] (WO2017/068692)

[11] **3,002,809**
[13] C
[51] **Int.Cl. A23J 3/22 (2006.01) A23J 3/14 (2006.01) A61K 9/113 (2006.01)**
[25] EN
[54] **MEAT-LIKE FOOD PRODUCTS**
[54] **PRODUITS ALIMENTAIRES DE TYPE VIANDE**
[72] AJAMI, DARIUSH, US
[72] ANDERSON, DAVID, US
[72] DILL, JESSE, US
[72] GEISTLINGER, TIMOTHY, US
[72] MAYORAL, KENNY, US
[72] NGO, HUU BA, US
[72] NORIEGA, THOMAS, US
[72] RYAN, DANIEL ANGUS, US
[72] SUAREZ-TRUJILLO, DEYA, US
[72] TIMMONS, MICHAEL S., US
[72] WALTON, TROY, US
[73] BEYOND MEAT, INC., US
[85] 2018-04-20
[86] 2016-10-20 (PCT/US2016/057840)
[87] (WO2017/070303)
[30] US (62/244,092) 2015-10-20
[30] US (62/250,161) 2015-11-03
[30] US (62/339,765) 2016-05-20
[30] US (15/298,199) 2016-10-19

[11] **3,006,862**
[13] C
[51] **Int.Cl. B22D 11/049 (2006.01) B22D 11/103 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR NEAR NET SHAPE CASTING (NNSC) OF METALS AND ALLOYS**
[54] **PROCEDE ET APPAREIL DE COULEE PROCHES DES DIMENSIONS FINALES DE METAUX ET D'ALLIAGES**
[72] GUTHRIE, RODERICK, CA
[72] ISAC, MIHAIELA, CA
[73] METSIM INC., CA
[86] (3006862)
[87] (3006862)
[22] 2018-05-31
[30] US (62/568,433) 2017-10-05

[11] **3,008,442**
[13] C
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **HUMAN IMMUNODEFICIENCY VIRUS NEUTRALIZING ANTIBODIES**
[54] **ANTICORPS NEUTRALISANTS LE VIRUS DE L'IMMUNODEFICIENCE HUMAINE**
[72] BALAKRISHNAN, MINI, US
[72] CARR, BRIAN A., US
[72] CORBIN, JOHN, US
[72] PACE, CRAIG S., US
[72] THOMSEN, NATHAN D., US
[72] ZHANG, XUE, US
[73] GILEAD SCIENCES, INC., US
[85] 2018-06-13
[86] 2016-12-14 (PCT/US2016/066658)
[87] (WO2017/106346)
[30] US (62267652) 2015-12-15

[11] **3,008,814**
[13] C
[51] **Int.Cl. G01B 11/26 (2006.01) B07C 5/10 (2006.01) G01B 11/02 (2006.01) G01B 11/08 (2006.01)**
[25] FR
[54] **MACHINE FOR MEASURING AND SORTING ASSEMBLY PARTS SUCH AS COUNTERSUNK-HEAD RIVETS**
[54] **MACHINE DE MESURE ET DE TRI DE PIECES D'ASSEMBLAGE DU TYPE RIVETS A TETES FRAISEES**
[72] VOISIN, ANTOINE, FR
[72] DELEU, ARNAUD, FR
[72] BARON, PHILIPPE, FR
[73] STELIA AEROSPACE, FR
[85] 2018-06-14
[86] 2016-12-09 (PCT/FR2016/053304)
[87] (WO2017/103391)
[30] FR (1562882) 2015-12-18

[11] **3,013,130**
[13] C
[51] **Int.Cl. B23K 26/36 (2014.01) B23K 26/382 (2014.01) B23K 26/08 (2014.01) B23K 26/40 (2014.01)**
[25] EN
[54] **MANUFACTURE OF COOLING HOLES FOR CERAMIC MATRIX COMPOSITE COMPONENTS**
[54] **FABRICATION DE TROUS DE REFROIDISSEMENT DESTINES AUX COMPOSANTES COMPOSITES A MATRICE CERAMIQUE**
[72] PARVIS, ALAN JOSEPH, US
[72] ANDREWS, TIMOTHY FRANCIS, US
[72] BAILEY, MARK SAMUEL, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3013130)
[87] (3013130)
[22] 2018-08-02
[30] US (15/678,510) 2017-08-16

[11] **3,013,832**
[13] C
[51] **Int.Cl. G21F 5/12 (2006.01) B65D 90/22 (2006.01) F16B 41/00 (2006.01) G09F 3/03 (2006.01)**
[25] EN
[54] **SEALING BOLT AND METHOD OF INSTALLING A SEALING BOLT**
[54] **BOULON D'ETANCHEITE ET PROCEDE D'INSTALLATION DE BOULON D'ETANCHEITE**
[72] LITTMANN, FRANCOIS, IT
[72] SIRONI, MARCO, IT
[73] THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION, BE
[85] 2018-08-07
[86] 2017-02-09 (PCT/EP2017/052903)
[87] (WO2017/140575)
[30] EP (16155696.4) 2016-02-15

[11] **3,015,228**
[13] C
[51] **Int.Cl. A47C 27/06 (2006.01) A47C 21/04 (2006.01) A47C 23/04 (2006.01) A47C 27/20 (2006.01) B68G 9/00 (2006.01)**
[25] EN
[54] **MULTI-LAYERED IMPERMEABLE FABRIC FOR USE IN POCKETED SPRING ASSEMBLY**
[54] **TISSU IMPERMEABLE MULTICOUCHE A UTILISER DANS UN ENSEMBLE RESSORT ENSACHE**
[72] LONG, AUSTIN G., US
[73] L&P PROPERTY MANAGEMENT COMPANY, US
[85] 2018-08-20
[86] 2017-03-02 (PCT/US2017/020365)
[87] (WO2017/155776)
[30] US (15/062,595) 2016-03-07

---

[11] **3,016,010**
[13] C
[51] **Int.Cl. F41A 1/08 (2006.01) F41A 1/00 (2006.01) F41A 1/10 (2006.01) F41A 13/00 (2006.01)**
[25] EN
[54] **COUNTERMASS PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION A CONTRE-MASSE**
[72] JEZIERSKI, DOMINIC, US
[72] EARLY, STEPHEN JOSEPH, US
[72] GOODWIN, BILL, US
[72] ADAMO, NICK, US
[72] KNEBLE, DAVID, US
[73] NAMMO DEFENSE SYSTEMS INC., US
[85] 2018-08-28
[86] 2017-02-27 (PCT/US2017/019764)
[87] (WO2017/204875)
[30] US (62/301,278) 2016-02-29

---

[11] **3,018,319**
[13] C
[51] **Int.Cl. E04B 1/88 (2006.01) E04B 1/74 (2006.01) E04B 1/84 (2006.01) H05K 5/02 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **NOISE REDUCING AND COOLING ENCLOSURE**
[54] **ENCEINTE A INSONORISATION ET A REFROIDISSEMENT**
[72] PAGENKOPF, KENNETH EDWARD, US
[73] HUBBELL INCORPORATED, US
[85] 2018-09-19
[86] 2017-03-21 (PCT/US2017/023293)
[87] (WO2017/165340)
[30] US (62/310,868) 2016-03-21

---

[11] **3,019,265**
[13] C
[51] **Int.Cl. C12P 7/56 (2006.01)**
[25] EN
[54] **MAGNESIUM LACTATE FERMENTATION PROCESS**
[54] **PROCEDE DE FERMENTATION DE LACTATE DE MAGNESIUM**
[72] KALBASENKA, ALIAKSEI, NL
[72] BOKHOVE, JEROEN, NL
[73] PURAC BIOCHEM BV, NL
[85] 2018-09-27
[86] 2017-04-10 (PCT/EP2017/058547)
[87] (WO2017/178426)
[30] EP (16164820.9) 2016-04-12

---

[11] **3,019,699**
[13] C
[51] **Int.Cl. A61F 2/44 (2006.01) A61B 17/70 (2006.01) A61L 27/06 (2006.01)**
[25] EN
[54] **SPINAL IMPLANT WITH POROUS AND SOLID SURFACES**
[54] **IMPLANT VERTEBRAL DOTE DE SURFACES POREUSES ET DE SURFACES SOLIDES**
[72] WILLIS, STEVEN, US
[72] ZIELINSKA, JUSTYNA, US
[73] STRYKER EUROPEAN OPERATIONS HOLDINGS LLC, US
[86] (3019699)
[87] (3019699)
[22] 2016-01-13
[62] 2,917,549
[30] US (62/103,276) 2015-01-14

---

[11] **3,020,134**
[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/51 (2020.01)**
[25] EN
[54] **POWER SUPPLY AND ELECTRONIC CIGARETTE HAVING SAME**
[54] **SYSTEME D'ALIMENTATION ET CIGARETTE ELECTRONIQUE EQUIPEE D'UN SYSTEME D'ALIMENTATION**
[72] OUYANG, JUNWEI, CN
[73] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
[86] (3020134)
[87] (3020134)
[22] 2018-10-09
[30] CN (201821066919.0) 2018-07-05

---

[11] **3,020,347**
[13] C
[51] **Int.Cl. C22C 14/00 (2006.01) B22F 3/105 (2006.01)**
[25] EN
[54] **BCC MATERIALS OF TITANIUM, ALUMINUM, NIOBIUM, VANADIUM, AND MOLYBDENUM, AND PRODUCTS MADE THEREFROM**
[54] **MATERIAUX BCC EN TITANE, ALUMINIUM, NIOBIUM, VANADIUM ET MOLYBDENE, ET PRODUITS FABRIQUES A PARTIR DE CEUX-CI**
[72] LIN, JEN C., US
[72] YAN, XINYAN, US
[72] SABOL, JOSEPH C., US
[72] HEARD, DAVID W., US
[72] ZARANDI, FARAMARZ MH, US
[72] SUN, FUSHENG, US
[72] CRIST, ERNEST M., JR., US
[72] TAMIRISAKANDALA, SESH A., US
[73] HOWMET AEROSPACE INC., US
[85] 2018-10-05
[86] 2017-04-24 (PCT/US2017/029208)
[87] (WO2017/189459)
[30] US (62/327,244) 2016-04-25

[11] **3,020,945**
[13] C
[51] **Int.Cl. B61K 9/10 (2006.01) E01B 35/00 (2006.01)**
[25] EN
[54] **METHOD OF AND APPARATUS FOR DETECTING DEFECTS**
[54] **PROCEDE ET APPAREIL POUR DETECTER DES DEFAUTS**
[72] WIGH, JEFFREY B., US
[72] EBERSOLD, RICHARD L., US
[72] ELBERT, TROY L., US
[72] COOLMAN, TIMOTHY J., US
[73] HERZOG SERVICES INC., US
[86] (3020945)
[87] (3020945)
[22] 2012-08-22
[62] 2,844,113
[30] US (61/526,094) 2011-08-22

---

[11] **3,021,488**
[13] C
[51] **Int.Cl. H01H 71/04 (2006.01) H01H 9/16 (2006.01) H01H 73/00 (2006.01) H01H 73/12 (2006.01) H01H 73/14 (2006.01) H02H 3/00 (2006.01)**
[25] EN
[54] **TRIP LIGHT CIRCUIT BREAKER**
[54] **DISJONCTEUR A TEMOIN LUMINEUX DE DECLENCHEMENT**
[72] O'CONNOR, JOHN J., US
[73] O'CONNOR, JOHN J., US
[85] 2018-10-18
[86] 2016-05-09 (PCT/US2016/031418)
[87] (WO2017/196292)

---

[11] **3,024,020**
[13] C
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 47/64 (2017.01) A61K 47/69 (2017.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C07K 17/04 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/87 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **EXOSOMES COMPRISING THERAPEUTIC POLYPEPTIDES**
[54] **EXOSOMES COMPRENANT DES POLYPEPTIDES THERAPEUTIQUES**
[72] HEAN, JUSTIN, GB
[72] MAGER, IMRE, GB
[72] WOOD, MATTHEW, GB
[72] EL ANDALOUSSI, SAMIR, SE
[72] WIKLANDER, OSCAR, SE
[72] NORDIN, JOEL, SE
[73] EVOX THERAPEUTICS LTD, GB
[73] OXFORD UNIVERSITY INNOVATION, GB
[85] 2018-11-13
[86] 2017-05-25 (PCT/GB2017/051479)
[87] (WO2017/203260)
[30] GB (1609216.5) 2016-05-25

---

[11] **3,024,960**
[13] C
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **METHOD,APPARATUS,AND COMPUTER-READABLE MEDIUM FOR DETECTING ANOMALOUS USER BEHAVIOR**
[54] **PROCEDE,APPAREIL,ET SUPPORT LISIBLE PAR ORDINATEUR POUR DETECTER UN COMPORTEMENT ANORMAL D'UTILISATEUR**
[72] BALABINE, IGOR, US
[73] INFORMATICA LLC, US
[85] 2018-11-20
[86] 2016-06-16 (PCT/US2016/037847)
[87] (WO2017/200558)
[30] US (15/160,783) 2016-05-20

---

[11] **3,025,037**
[13] C
[51] **Int.Cl. B25G 1/04 (2006.01)**
[25] EN
[54] **TOOLS FOR USE IN CONFINED SPACES**
[54] **OUTILS DESTINES A ETRE UTILISES DANS DES ESPACES CONFINES**
[72] ABEDRABOH, MAMOON TAWFIQ, US
[72] CEASS, RICHARD WALLACE, US
[72] RUFFIN, LOUIS WEBSTER, US
[72] POLCHA, ADAM BRITTON, US
[73] HUBBELL INCORPORATED, US
[85] 2018-11-20
[86] 2017-06-02 (PCT/US2017/035842)
[87] (WO2017/210650)
[30] US (62/345,112) 2016-06-03

---

[11] **3,026,415**
[13] C
[51] **Int.Cl. G06Q 40/08 (2012.01) B60W 40/09 (2012.01) B60W 40/04 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **TRAVELING-BASED INSURANCE RATINGS**
[54] **TARIFICATIONS D'ASSURANCE BASEES SUR LES DEPLACEMENTS**
[72] HULS, ERIC D., US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2018-12-03
[86] 2017-06-07 (PCT/US2017/036333)
[87] (WO2017/218257)
[30] US (15/184,580) 2016-06-16

[11] **3,028,616**
[13] C
[51] **Int.Cl. H04M 3/42 (2006.01) H04L 12/16 (2006.01) H04M 1/00 (2006.01)**
[25] EN
[54] **METHOD, COMMUNICATION DEVICE AND COMPUTER-READABLE MEDIUM FOR CONVEYING AN AUDIO ELEMENT TO A SOURCE DEVICE DURING AN OUTGOING CALL**
[54] **METHODE, DISPOSITIF DE COMMUNICATION ET SUPPORT INFORMATIQUE SERVANT A TRANSPORTER UN ELEMENT AUDIO A UN DISPOSITIF SOURCE PENDANT UN APPEL SORTANT**
[72] CLARK, DAVID WILLIAM, CA
[72] MURRAY, SEAN M., CA
[72] ARSENAULT, JONATHAN A., CA
[72] WOLF, ERIC J., CA
[72] LIU, GAO F., CA
[73] BCE INC., CA
[86] (3028616)
[87] (3028616)
[22] 2010-12-31
[62] 2,787,455
[30] US (61/291,833) 2009-12-31

[11] **3,029,758**
[13] C
[51] **Int.Cl. H03K 3/38 (2006.01) H03K 19/003 (2006.01) H03K 19/195 (2006.01)**
[25] EN
[54] **RECIPROCAL QUANTUM LOGIC (RQL) SERIAL DATA RECEIVER SYSTEM**
[54] **SYSTEME RECEPTEUR DE DONNEES SERIELLES A LOGIQUE QUANTIQUE INVERSE (RQL)**
[72] SHAUCK, STEVEN BRIAN, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-01-02
[86] 2017-06-26 (PCT/US2017/039265)
[87] (WO2018/017287)
[30] US (15/217,003) 2016-07-22

[11] **3,032,405**
[13] C
[51] **Int.Cl. A47L 11/22 (2006.01) A47L 9/06 (2006.01) A47L 11/33 (2006.01)**
[25] EN
[54] **A BRUSH HEAD AND CLEANING APPARATUS FOR MULTIPLE SURFACES**
[54] **TETE DE BROSSE ET APPAREIL DE NETTOYAGE DESTINE A DE MULTIPLES SURFACES**
[72] YANG, JUN, CN
[73] NINGBO TROIKA SCIENCE & TECHNOLOGY COMPANY LIMITED, CN
[85] 2019-02-01
[86] 2018-03-12 (PCT/CN2018/078666)
[87] (WO2019/153408)
[30] CN (201820253943.9) 2018-02-12

[11] **3,033,984**
[13] C
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/159 (2014.01) H04N 19/174 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **MOVING IMAGE ENCODING DEVICE, MOVING IMAGE DECODING DEVICE, MOVING IMAGE CODING METHOD, AND MOVING IMAGE DECODING METHOD**
[54] **DISPOSITIF DE CODAGE DYNAMIQUE D'IMAGE, DISPOSITIF DE DECODAGE DYNAMIQUE D'IMAGE, PROCEDE DE CODAGE DYNAMIQUE D'IMAGE ET PROCEDE DE DECODAGE DYNAMIQUE D'IMAGE**
[72] ITANI, YUSUKE, JP
[72] SEKIGUCHI, SHUNICHI, JP
[72] SUGIMOTO, KAZUO, JP
[73] XYLENE HOLDING S.A., LU
[86] (3033984)
[87] (3033984)
[22] 2011-07-21
[62] 2,991,166
[30] JP (2010-221460) 2010-09-30
[30] JP (2011-050214) 2011-03-08

[11] **3,034,016**
[13] C
[51] **Int.Cl. H03K 3/38 (2006.01) G01R 31/28 (2006.01) H03K 5/19 (2006.01)**
[25] EN
[54] **WAVE-PIPELINED LOGIC CIRCUIT SCANNING SYSTEM**
[54] **SYSTEME DE BALAYAGE DE CIRCUIT LOGIQUE DE TRAITEMENT PIPELINE PAR ONDES**
[72] CARMEAN, DOUGLAS, US
[72] SMITH, BURTON J., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-02-14
[86] 2017-08-24 (PCT/US2017/048321)
[87] (WO2018/044665)
[30] US (15/253,544) 2016-08-31

[11] **3,039,849**
[13] C
[51] **Int.Cl. E04C 3/34 (2006.01)**
[25] EN
[54] **STEEL REINFORCED CONCRETE COLUMN**
[54] **COLONNE EN BETON ARME**
[72] BOGDAN, TEODORA, LU
[72] GERARDY, JEAN-CLAUDE, LU
[72] POPA, NICOLETA, BE
[72] VASSART, OLIVIER, LU
[72] DAVIES, DONALD W., US
[72] XIAO, CONGZHEN, CN
[72] CHEN, TAO, CN
[72] DENG, FEI, CN
[72] WOOD, ANTONY, US
[72] TRABUCCO, DARIO, IT
[72] LUCCHESE, ELEONORA, IT
[73] ARCELORMITTAL, LU
[85] 2019-04-09
[86] 2016-10-14 (PCT/IB2016/056159)
[87] (WO2018/069752)

[11] **3,039,939**
[13] C
[51] **Int.Cl. E04F 15/10 (2006.01) B32B 13/00 (2006.01)**
[25] EN
[54] **ENGINEERED FLOORING PRODUCT AND METHOD OF MANUFACTURING THEREOF**
[54] **PRODUIT DE REVETEMENT DE SOL ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] WELBOURN, DEREK, CA
[72] CHEN, JIANMING, CN
[72] ZHANG, JUN, CN
[73] CORE INNOVATIONS LIMITED, CN
[85] 2019-04-09
[86] 2016-10-11 (PCT/CN2016/101758)
[87] (WO2018/068197)

[11] **3,040,094**
[13] C
[51] **Int.Cl. B30B 15/30 (2006.01) B30B 9/00 (2006.01)**
[25] EN
[54] **WASTE MATERIAL COMPACTION APPARATUS AND VEHICLE INCLUDING SAME**
[54] **APPAREIL DE COMPACTION DE MATERIAU DE DECHETS ET VEHICULE COMPORTANT LEDIT APPAREIL**
[72] LAPOINTE, CHRISTIAN, CA
[72] CANTIN, MAXIME, CA
[73] SCRANTON MANUFACTURING COMPANY INC., US
[86] (3040094)
[87] (3040094)
[22] 2019-04-12
[30] US (62/678.516) 2018-05-31

[11] **3,041,269**
[13] C
[51] **Int.Cl. G07F 19/00 (2006.01)**
[25] EN
[54] **AUTOMATED TELLER MACHINE(ATM) DEVICE WITH SEALED SLOT**
[54] **GUICHET AUTOMATIQUE A FENTE SCELLEE**
[72] FALETTI, STEVE, US
[72] WURMFELD, DAVID KELLY, US
[72] WHITSITT, LISA, US
[72] DADHANIYA, JANAK, US
[72] SMITH, ROBERT, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3041269)
[87] (3041269)
[22] 2019-04-25
[30] US (15/963913) 2018-04-26

[11] **3,041,416**
[13] C
[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/70 (2014.01) G06T 9/00 (2006.01)**
[25] EN
[54] **IMAGE CODING AND DECODING APPARATUS AND METHOD INCLUDING INFORMATION INDICATING CORRESPONDENCE BETWEEN RESOLUTION INFORMATION AND ENHANCEMENT LAYERS**
[54] **APPAREIL DE CODAGE ET DE DECODAGE VIDEO ET METHODE COMPORTANT DES RENSEIGNEMENTS INDIQUANT LA CORRESPONDANCE ENTRE L'INFORMATION SUR LA RESOLUTION ET LES COUCHES D'AMELIORATION**
[72] NAKAGAMI, OHJI, JP
[72] HATTORI, SHINOBU, JP
[73] SONY CORPORATION, JP
[86] (3041416)
[87] (3041416)
[22] 2015-03-12
[62] 2,941,347
[30] JP (2014-060644) 2014-03-24

[11] **3,041,477**
[13] C
[51] **Int.Cl. G01N 30/60 (2006.01)**
[25] EN
[54] **QUICK EXTRACTION KIT**
[54] **TROUSSE D'EXTRACTION RAPIDE**
[72] LEE, CHIN-SHAN, CN
[72] HSIAO, WEN-JUI, CN
[73] GREAT ENGINEERING TECHNOLOGY CORP., CN
[85] 2019-04-29
[86] 2018-04-11 (PCT/CN2018/082588)
[87] (WO2019/196023)

[11] **3,041,735**
[13] C
[51] **Int.Cl. B65G 17/06 (2006.01) B65G 17/08 (2006.01) B66B 23/10 (2006.01)**
[25] EN
[54] **CONVEYING DEVICE CONSISTING OF A PLURALITY OF CONVEYOR-BELT SEGMENTS LINED UP ADJACENT TO EACH OTHER**
[54] **SYSTEME DE TRANSPORT CONSTITUE DE PLUSIEURS SEGMENTS DE BANDE TRANSPORTEUSE JUXTAPOSES**
[72] VLASAK, PAVEL, IT
[72] DRENCKO, JIRI, CZ
[73] INNOVA PATENT GMBH, AT
[85] 2019-04-25
[86] 2017-10-24 (PCT/EP2017/077173)
[87] (WO2018/086875)
[30] AT (A51017/2016) 2016-11-08

[11] **3,041,869**
[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A23L 7/10 (2016.01) A23L 7/104 (2016.01) A23L 23/00 (2016.01) A23L 23/10 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **PROBIOTIC GRAIN-BASED COMPOSITIONS**
[54] **COMPOSITIONS PROBIOTIQUES A BASE DE GRAINES**
[72] FARMER, SEAN, US
[72] LEFKOWITZ, ANDREW R., US
[72] MASKE, DAVID, US
[72] BUSH, MICHAEL, US
[73] GANEDEN BIOTECH, INC., US
[86] (3041869)
[87] (3041869)
[22] 2009-10-16
[62] 2,740,423
[30] US (61/106,116) 2008-10-16

[11] **3,042,528**
[13] C
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/541 (2006.01) C07D 417/10 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **NOVEL PHENYL PROPIONIC ACID DERIVATIVES AND USES THEREOF**
[54] **NOUVEAUX DERIVES DE L'ACIDE PHENYL PROPIONIQUE ET LEURS UTILISATIONS**
[72] KANG, JAE-HOON, KR
[72] LEE, HONG-SUB, KR
[72] AN, KYUNG-MI, KR
[72] HONG, CHANG-HEE, KR
[72] KWAK, HYUN-JUNG, KR
[72] CUI, SHUO-LIN, KR
[72] SONG, HYO-JUNG, KR
[73] IL DONG PHARMACEUTICAL CO., LTD., KR
[85] 2019-05-01
[86] 2017-12-14 (PCT/KR2017/014757)
[87] (WO2018/111012)
[30] KR (10-2016-0171541) 2016-12-15
[30] KR (10-2017-0171228) 2017-12-13

[11] **3,042,919**
[13] C
[51] **Int.Cl. C08F 112/08 (2006.01) B29B 17/00 (2006.01) C08J 11/08 (2006.01) C08K 5/01 (2006.01) C08L 25/06 (2006.01)**
[25] EN
[54] **RECYCLED POLYSTYRENE AND ITS APPLICATIONS**
[54] **POLYSTYRENE RECYCLE ET SES APPLICATIONS**
[72] COTE, ROLAND, CA
[73] POLYSTYVERT INC., CA
[86] (3042919)
[87] (3042919)
[22] 2015-10-05
[62] 2,959,082
[30] US (62/059,611) 2014-10-03

[11] **3,044,747**
[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) F04B 47/02 (2006.01)**
[25] EN
[54] **WELL KICKOFF SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE REDEMARRAGE DE PUITS**
[72] XIAO, JINJIANG, SA
[72] LASTRA, RAFAEL ADOLFO, SA
[72] ROTH, BRIAN A., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-05-22
[86] 2017-11-29 (PCT/US2017/063622)
[87] (WO2018/102361)
[30] US (62/427,234) 2016-11-29
[30] US (15/812,256) 2017-11-14

[11] **3,044,997**
[13] C
[51] **Int.Cl. A45D 29/00 (2006.01) A45D 29/11 (2006.01) A45D 34/04 (2006.01) A45D 44/00 (2006.01) H04L 12/16 (2006.01) H04N 7/04 (2006.01) A61K 8/00 (2006.01) A61Q 3/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR APPLYING COATING TO NAILS**
[54] **APPAREIL D'APPLICATION D'UNE COUCHE SUR LES ONGLES**
[72] WALIA, HERPREET SINGH, US
[72] SCHULZ, CASEY KUTE, US
[72] BOGGAVARAPU, DEEPAK, US
[72] PETERSON, JANET, US
[72] PETERSON, PETER, US
[73] PREEMADONNA INC., US
[86] (3044997)
[87] (3044997)
[22] 2015-04-27
[62] 2,955,640
[30] US (62/028,233) 2014-07-23
[30] US (14/468,239) 2014-08-25

[11] **3,045,715**
[13] C
[51] **Int.Cl. H02M 1/00 (2007.10) H02J 3/00 (2006.01) H02M 7/44 (2006.01) H05K 5/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **POWER CONVERSION SYSTEMS AND DEVICES, METHODS OF FORMING POWER CONVERSION SYSTEMS AND DEVICES, AND METHODS OF USING AND MONITORING POWER CONVERSION SYSTEMS AND DEVICES**
[54] **SYSTEMES ET DISPOSITIFS DE CONVERSION D'ENERGIE, PROCEDES DE FORMATION DE SYSTEMES ET DE DISPOSITIFS DE CONVERSION D'ENERGIE, ET PROCEDES D'UTILISATION ET DE SURVEILLANCE DE SYSTE MES ET DE DISPOSITIFS DE CONVERSION D'ENERGIE**
[72] SCHLOO, JONATHAN, CA
[73] SCHLOO, JONATHAN, CA
[85] 2019-05-31
[86] 2016-12-05 (PCT/CA2016/000301)
[87] (WO2017/091886)
[30] US (62/262,606) 2015-12-03
[30] US (62/429,598) 2016-12-02

[11] **3,047,587**
[13] C
[51] **Int.Cl. A61B 18/20 (2006.01) A61N 5/067 (2006.01) H01S 3/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SELECTIVE TREATMENT OF BIOLOGICAL TISSUE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT SELECTIF DE TISSU BIOLOGIQUE**
[72] ANDERSON, RICHARD ROX, US
[72] MANSTEIN, DIETER, US
[72] CHAN, HENRY HIN LEE, CN
[72] ZUO, VINCENT, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2019-06-18
[86] 2017-12-22 (PCT/US2017/068330)
[87] (WO2018/119453)
[30] US (62/438,818) 2016-12-23

[11] **3,047,664**
[13] C
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/16 (2013.01)**
[25] EN
[54] **WATERMARK SECURITY**
[54] **SECURITE DES FILIGRANES**
[72] DEWITT, BRANDON, US
[72] MCBRIDE, RYAN, US
[73] MX TECHNOLOGIES, INC., US
[86] (3047664)
[87] (3047664)
[22] 2019-06-21
[30] US (16/137,517) 2018-09-20

---

[11] **3,047,669**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 4/12 (2009.01) G06F 21/31 (2013.01) H04L 67/566 (2022.01) G06F 17/00 (2019.01) H04L 51/04 (2022.01) H04L 51/52 (2022.01) H04L 67/55 (2022.01)**
[25] EN
[54] **DATA AGGREGATION USING A LIMITED-USE CODE**
[54] **AGREGATION DE DONNEES AU MOYEN D`UN CODE A USAGE LIMITE**
[72] CALDWELL, JOHN RYAN, US
[72] DOTTER, JAMES, US
[73] MX TECHNOLOGIES, INC., US
[86] (3047669)
[87] (3047669)
[22] 2019-06-21
[30] US (16/137,509) 2018-09-20

---

[11] **3,048,073**
[13] C
[51] **Int.Cl. G01N 33/487 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **MULTIPLE-USE SENSOR ASSEMBLY FOR BODY FLUIDS**
[54] **ENSEMBLE CAPTEUR MULTI-USAGE POUR LIQUIDES CORPORELS**
[72] STRANGE, CHRISTIAN, DK
[72] FRISCHAUF, PETER, DK
[73] RADIOMETER MEDICAL APS, DK
[85] 2019-06-21
[86] 2017-12-18 (PCT/EP2017/083300)
[87] (WO2018/114794)
[30] DK (PA 2016 00790) 2016-12-23

---

[11] **3,048,704**
[13] C
[51] **Int.Cl. B65D 90/54 (2006.01) B65D 88/12 (2006.01) B65D 90/64 (2006.01) B66C 1/66 (2006.01)**
[25] EN
[54] **AN IMPROVED CONTAINER, CONTAINER CONSTRUCTION, HANDLING METHOD AND APPARATUS**
[54] **RECIPIENT AMELIORE, CONSTRUCTION DE RECIPIENT, PROCEDE ET APPAREIL DE MANIPULATION**
[72] CHALMERS, MATTHEW WILLIAM, AU
[72] PINDER, GARRY MARK, AU
[73] LOAD AND MOVE PTY LTD, AU
[86] (3048704)
[87] (3048704)
[22] 2012-02-02
[62] 2,844,505
[30] AU (2011900323) 2011-02-02
[30] AU (2011900440) 2011-02-10
[30] AU (2011902466) 2011-06-23
[30] AU (2012100083) 2012-01-25
[30] AU (2012100084) 2012-01-25
[30] AU (2012100085) 2012-01-25

---

[11] **3,049,774**
[13] C
[51] **Int.Cl. B65D 88/34 (2006.01) B65D 90/22 (2006.01)**
[25] EN
[54] **LIGHT FOOTING SHORING OF A FLOATING ROOF INSIDE A TANK DURING TANK INSPECTION AND MAINTENANCE**
[54] **CHEVALEMENT LEGER D`UN TOIT FLOTTANT A L`INTERIEUR D`UN RESERVOIR PENDANT L`INSPECTION ET L`ENTRETIEN DU RESERVOIR**
[72] MACLEOD, REG, CA
[73] MACLEOD, REG, CA
[86] (3049774)
[87] (3049774)
[22] 2019-07-17
[30] US (62/764,112) 2018-07-19

---

[11] **3,051,602**
[13] C
[51] **Int.Cl. G01L 1/12 (2006.01)**
[25] EN
[54] **MAGNETIC FORCE SENSOR AND PRODUCTION THEREOF**
[54] **CAPTEUR DE FORCE MAGNETIQUE ET SA FABRICATION**
[72] HANSAL, WOLFGANG, AT
[72] HANSAL, SELMA, AT
[72] MANN, RUDOLF, AT
[72] HALMDIENST, MARTINA, AT
[73] HIRTENBERGER ENGINEERED SURFACES GMBH, AT
[85] 2019-07-25
[86] 2018-01-26 (PCT/AT2018/060025)
[87] (WO2018/136988)
[30] AT (A 50057/2017) 2017-01-27

---

[11] **3,051,659**
[13] C
[51] **Int.Cl. G06K 7/10 (2006.01) G06Q 10/08 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SYSTEM FOR SUPPLY CHAIN MANAGEMENT**
[54] **SYSTEME POUR LA GESTION DE CHAINE D'APPROVISIONNEMENT**
[72] ZDEBLICK, MARK J., US
[73] OTSUKA PHARMACEUTICAL CO., LTD., JP
[86] (3051659)
[87] (3051659)
[22] 2010-11-04
[62] 2,980,571
[30] US (61/258,182) 2009-11-04

[11] **3,052,651**
[13] C
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 33/12 (2006.01) E21B 47/06 (2012.01) E21B 49/08 (2006.01)**
[25] EN
[54] **DETERMINING DOWNHOLE PROPERTIES WITH SENSOR ARRAY**
[54] **DETERMINATION DE PROPRIETES DE FOND DE TROU AVEC UN RESEAU DE CAPTEURS**
[72] FRIPP, MICHAEL LINLEY, US
[72] FROSELL, THOMAS JULES, US
[72] BALASUBRAMANIAN, ASWIN, US
[72] HOLDERMAN, LUKE WILLIAM, US
[72] MARCUCCIO, SUZI MARIE, US
[72] BHAT, GIREESH, US
[72] BROWN, CLINT ADAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-02
[86] 2018-02-12 (PCT/US2018/017874)
[87] (WO2018/160347)
[30] US (62/467,013) 2017-03-03
[30] US (62/467,019) 2017-03-03
[30] US (62/467,029) 2017-03-03
[30] US (62/467,026) 2017-03-03

[11] **3,053,123**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **SEALING DEVICE AND DELIVERY SYSTEM**
[54] **DISPOSITIF D'ETANCHEITE ET MECANISME DE LIVRAISON**
[72] GOBLE, JACOB A., US
[72] LURIE, BRANDON A., US
[72] MASTERS, STEVEN J., US
[72] MATHENA, SCOT K., US
[72] MCCLURE, RICHARD L., US
[73] W. L. GORE & ASSOCIATES, INC., US
[86] (3053123)
[87] (3053123)
[22] 2014-01-17
[62] 2,897,210
[30] US (61/754,504) 2013-01-18
[30] US (13/838,166) 2013-03-15

[11] **3,054,547**
[13] C
[51] **Int.Cl. A63B 59/70 (2015.01) A63B 59/50 (2015.01) B32B 3/12 (2006.01)**
[25] EN
[54] **SPORTING GOODS INCLUDING MICROLATTICE STRUCTURES**
[54] **ARTICLES DE SPORT COMPRENANT DES STRUCTURES EN MICRO-RESEAUX**
[72] DAVIS, STEPHEN J., US
[72] CHAUVIN, DEWEY, US
[73] BAUER HOCKEY LTD., CA
[86] (3054547)
[87] (3054547)
[22] 2015-05-12
[62] 2,949,062
[30] US (14/276,739) 2014-05-13

[11] **3,054,950**
[13] C
[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/12 (2006.01)**
[25] EN
[54] **EXPANDABLE CUP FOR A SUPPORT GARMENT**
[54] **BONNET EXTENSIBLE POUR VETEMENT DE SUPPORT**
[72] PARKINSON, ADAM, US
[73] NIKE INNOVATE C.V., US
[85] 2019-08-28
[86] 2018-05-23 (PCT/US2018/034070)
[87] (WO2018/222454)
[30] US (62/512,417) 2017-05-30
[30] US (15/983,416) 2018-05-18

[11] **3,055,434**
[13] C
[51] **Int.Cl. G05B 19/418 (2006.01) G05B 17/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DESIGNING MODEL-BASED CONTROL HAVING SPATIAL ROBUSTNESS FOR MULTIPLE-ARRAY CROSS-DIRECTION (CD) WEB MANUFACTURING OR PROCESSING SYSTEMS OR OTHER SYSTEMS**
[54] **PROCEDE ET APPAREIL DE CONCEPTION D'UNE COMMANDE BASEE SUR UN MODELE PRESENTANT UNE ROBUSTESSE SPATIALE POUR DES SYSTEMES DE FABRICATION OU DE TRAITEMENT DE BANDE TRANSVERSALE A R ESEAUX MULTIPLES (CD) OU D'AUTRES SYSTEMES**
[72] HE, NING, US
[72] FORBES, MICHAEL, US
[72] BACKSTROM, JOHAN U., US
[72] CHEN, TONGWEN, US
[73] HONEYWELL LIMITED, CA
[85] 2019-09-05
[86] 2018-03-02 (PCT/CA2018/000045)
[87] (WO2018/161147)
[30] US (62/467,622) 2017-03-06
[30] US (15/889,005) 2018-02-05

[11] **3,057,097**
[13] C
[51] **Int.Cl. G06Q 50/06 (2012.01) G06Q 30/02 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **COOPERATIVE ENVIRONMENTAL AND LIFE BENEFIT EXCHANGE SYSTEM**
[54] **SYSTEME D'ECHANGE COOPERATIF D'AVANTAGES ENVIRONNEMENTAUX ET SOCIAUX**
[72] EISENLOHR, BRETT, US
[73] EISENLOHR, BRETT, US
[86] (3057097)
[87] (3057097)
[22] 2009-07-08
[62] 2,749,285
[30] US (12/351,446) 2009-01-09

[11] **3,057,266**
[13] C
[51] **Int.Cl. F24F 1/031 (2019.01) F24F 1/027 (2019.01) E04B 1/66 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **SEALING DEVICE FOR WINDOW AIR CONDITIONER AND WINDOW AIR CONDITIONER HAVING THE SAME**
[54] **DISPOSITIF D'ETANCHEISATION DESTINE A UN CLIMATISEUR DE FENETRE ET CLIMATISEUR DE FENETRE COMPORTANT LEDIT DISPOSITIF**
[72] LIANG, JIAWEN, CN
[72] ZHAO, ALI, CN
[72] LEI, ZHISHENG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2019-09-30
[86] 2019-08-27 (PCT/CN2019/102824)
[87] (WO2021/026966)
[30] CN (201921293834.0) 2019-08-09

[11] **3,057,656**
[13] C
[51] **Int.Cl. B65D 50/00 (2006.01)**
[25] EN
[54] **CANNABIS STORAGE ASSEMBLY**
[54] **ENSEMBLE DE STOCKAGE DE CANNABIS**
[72] AGRAWAL, PARAG, US
[72] MOLO, VADIM DAVID, US
[73] PAPER TUBE LLC, US
[86] (3057656)
[87] (3057656)
[22] 2019-10-04
[30] US (16/168,421) 2018-10-23

[11] **3,058,020**
[13] C
[51] **Int.Cl. B05B 11/00 (2006.01) A47K 5/12 (2006.01) A47K 5/14 (2006.01)**
[25] EN
[54] **PLASTOMER SPRING WITH CAPTIVE VALVE**
[54] **RESSORT PLASTOMERE A SOUPAPE CAPTIVE**
[72] LINDSTROM, HAKAN, SE
[72] BERGMAN, PETER, SE
[72] NILSSON, HUGO, SE
[73] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2019-09-26
[86] 2017-03-29 (PCT/EP2017/057411)
[87] (WO2018/177519)

[11] **3,058,374**
[13] C
[51] **Int.Cl. H01M 4/86 (2006.01) C01B 32/05 (2017.01) B01J 23/42 (2006.01) H01M 4/88 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **CARBON MATERIAL FOR USE AS CATALYST CARRIER OF POLYMER ELECTROLYTE FUEL CELL AND METHOD OF PRODUCING THE SAME**
[54] **MATERIAU CARBONE DE SUPPORT DE CATALYSEUR DESTINE A UNE PILE A COMBUSTIBLE A POLYMERE SOLIDE ET SON PROCEDE DE FABRICATION**
[72] IIJIMA, TAKASHI, JP
[72] TADOKORO, KENICHIRO, JP
[72] HIYOSHI, MASATAKA, JP
[72] FURUKAWA, SHINYA, JP
[72] KOMURA, TOMOKO, JP
[72] MASAKI, KAZUYOSHI, JP
[72] HAYASHIDA, HIROYUKI, JP
[72] TADA, WAKANA, JP
[73] NIPPON STEEL CHEMICAL & MATERIAL CO., LTD., JP
[85] 2019-09-27
[86] 2018-04-02 (PCT/JP2018/014152)
[87] (WO2018/182045)
[30] JP (2017-071626) 2017-03-31

[11] **3,058,936**
[13] C
[51] **Int.Cl. B65G 1/137 (2006.01)**
[25] EN
[54] **PICKING WORKSTATION WITH MOBILE ROBOTS & MACHINE VISION VERIFICATION OF EACH TRANSFERS PERFORMED BY HUMAN OPERATORS**
[54] **POSTE DE TRAVAIL DE SAISIE A ROBOTS MOBILES ET VERIFICATION PAR VISION MECANISEE DE CHACUN DE TRANSFERTS EFFECTUES PAR DES OPERATEURS HUMAINS**
[72] LERT, JOHN G., JR., US
[72] FOSNIGHT, WILLIAM J., US
[72] LERT, DEVIN, US
[72] AKIKI, STEPHEN, US
[73] ALERT INNOVATION INC., US
[85] 2019-10-02
[86] 2018-04-18 (PCT/US2018/028170)
[87] (WO2018/195200)
[30] US (62/486,756) 2017-04-18

[11] **3,060,304**
[13] C
[51] **Int.Cl. F16B 37/08 (2006.01) F16B 5/00 (2006.01) F16B 33/02 (2006.01)**
[25] EN
[54] **FASTENING DEVICES FOR EXPLOSION-PROOF ENCLOSURES**
[54] **DISPOSITIFS DE FIXATION POUR ENCEINTES ANTIDEFLAGRANTES**
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (3060304)
[87] (3060304)
[22] 2013-03-11
[62] 2,871,884
[30] US (61/640,827) 2012-05-01

[11] **3,060,421**
[13] C
[51] **Int.Cl. G06F 21/33 (2013.01) G06F 21/32 (2013.01) G06F 21/46 (2013.01)**
[25] EN
[54] **SYSTEMS AND MECHANISM TO CONTROL THE LIFETIME OF AN ACCESS TOKEN DYNAMICALLY BASED ON ACCESS TOKEN USE**
[54] **SYSTEMES ET MECANISME DE GESTION DE LA DUREE DE VIE D'UN JETON D'ACCES, BASEE DYNAMIQUEMENT SUR L'UTILISATION DU JETON D'ACCES**
[72] JAIN, PARUL, US
[72] FOILES, DOUG, US
[72] PETERSON, ERIK, US
[73] INTUIT INC., US
[85] 2019-10-18
[86] 2018-04-17 (PCT/US2018/027884)
[87] (WO2018/195024)
[30] US (15/490,015) 2017-04-18

[11] **3,060,447**
[13] C
[51] **Int.Cl. G01V 3/08 (2006.01) B64G 1/36 (2006.01) B64G 1/66 (2006.01) G01B 7/004 (2006.01)**
[25] EN
[54] **SENSOR DEVICE, CAPTURE DEVICE, DETERMINATION PROCEDURE AND CAPTURE METHOD FOR DETERMINING A RELATIVE POSITION AND CAPTURE OF AN OBJECT IN SPACE**
[54] **CAPTEUR, DISPOSITIF DE CAPTURE, PROCEDURE DE DETERMINATION ET METHODE DE CAPTURE POUR DETERMINER UN POSITIONNEMENT RELATIF ET LA CAPTURE D'UN OBJET DANS L'ESPACE**
[72] MADIGER, BERND, DE
[72] LUBKE, VERENA, DE
[72] GRIES, FLORIAN, DE
[73] AIRBUS DEFENCE AND SPACE GMBH, DE
[86] (3060447)
[87] (3060447)
[22] 2019-10-28

---

[11] **3,060,799**
[13] C
[51] **Int.Cl. A45C 11/00 (2006.01) A45C 1/06 (2006.01) A45C 11/14 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **PACKAGING INSERT**
[54] **PIECE D`EMBALLAGE**
[72] WHITEHURST, DANE, GB
[73] BURGOPAK LIMITED, GB
[86] (3060799)
[87] (3060799)
[22] 2019-10-31
[30] GB (1903460.2) 2019-03-13

---

[11] **3,061,265**
[13] C
[51] **Int.Cl. G06F 12/0802 (2016.01) G06F 16/27 (2019.01) G06F 9/455 (2018.01)**
[25] EN
[54] **PROCESSING AND STORING BLOCKCHAIN DATA UNDER A TRUSTED EXECUTION ENVIRONMENT**
[54] **TRAITEMENT ET STOCKAGE DE DONNEES DE CHAINE DE BLOCS DANS UN ENVIRONNEMENT D'EXECUTION SECURISE**
[72] WEI, CHANGZHENG, CN
[72] YAN, YING, CN
[72] ZHAO, BORAN, CN
[72] SONG, XUYANG, CN
[72] DU, HUABING, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-10-23
[86] 2019-04-03 (PCT/CN2019/081182)
[87] (WO2019/120328)

---

[11] **3,062,842**
[13] C
[51] **Int.Cl. G06F 16/36 (2019.01) G06F 16/31 (2019.01) G06F 40/237 (2020.01)**
[25] EN
[54] **SEARCH DOCUMENT INFORMATION STORAGE DEVICE**
[54] **DISPOSITIF DE STOCKAGE D'INFORMATIONS DE DOCUMENT DE RECHERCHE**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS INC., JP
[85] 2019-11-07
[86] 2018-05-07 (PCT/JP2018/017599)
[87] (WO2018/221119)
[30] JP (2017-109339) 2017-06-01

---

[11] **3,065,853**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] ALEXANDERSSON, OSCAR, SE
[73] SHL MEDICAL AG, CH
[85] 2019-12-02
[86] 2017-05-09 (PCT/EP2017/060965)
[87] (WO2017/207224)
[30] SE (1650778-2) 2016-06-03

---

[11] **3,066,425**
[13] C
[51] **Int.Cl. F23M 11/00 (2006.01) F23M 7/00 (2006.01) F24B 1/192 (2006.01) F24C 15/04 (2006.01)**
[25] EN
[54] **FIREPLACE LATCH SYSTEM**
[54] **SYSTEME DE VERROU DE FOYER**
[72] BINZER, LOTHAR DAN, CA
[73] CANADIAN HEATING PRODUCTS INC., CA
[86] (3066425)
[87] (3066425)
[22] 2017-02-24
[62] 2,958,977

---

[11] ***3,066,559**
[13] C
[51] **Int.Cl. E03F 7/04 (2006.01) G01M 13/003 (2019.01) E03F 7/00 (2006.01)**
[25] EN
[54] **SEWER BACK-FLOW PREVENTER MONITOR**
[54] **MONITEUR DU DISPOSITIF ANTIREFOULEMENT DES EGOUTS**
[72] SULLIVAN, AARON D., CA
[73] SULLIVAN, AARON D., CA
[86] (3066559)
[87] (3066559)
[22] 2020-01-06

---

[11] **3,067,915**
[13] C
[51] **Int.Cl. B65G 17/06 (2006.01) B65G 17/34 (2006.01)**
[25] EN
[54] **CONVEYING DEVICE WITH TWO CONVEYING CARTS, AND COVERING MEANS FOR COVERING AN INTERSPACE BETWEEN THE TWO CONVEYING CARTS**
[54] **DISPOSITIF DE TRANSPORT AVEC DEUX CHARIOTS DE TRANSPORT ET CARENAGE POUR RECOUVRIR UN ESPACE INTERMEDIAIRE ENTRE LES CHARIOTS DE TRANSPORT**
[72] KASER, UWE, DE
[72] DROSTE, HEINRICH, DE
[73] INTERROLL HOLDING AG, CH
[85] 2019-12-19
[86] 2018-06-21 (PCT/EP2018/066550)
[87] (WO2019/002079)
[30] DE (10 2017 006 213.7) 2017-06-30

[11] **3,067,992**
[13] C
[51] **Int.Cl. G01N 1/22 (2006.01) G01N 1/24 (2006.01) G01N 1/26 (2006.01)**
[25] EN
[54] **AIR QUALITY SENSOR AND DATA ACQUISITION APPARATUS**
[54] **CAPTEUR DE QUALITE DE L'AIR ET APPAREIL D'ACQUISITION DE DONNEES**
[72] MCCORMICK, LEO M., US
[72] MCMANUS, SEAN M., US
[72] MICHALAK, TOM, US
[73] GRAND VALLEY STATE UNIVERSITY, US
[85] 2019-12-19
[86] 2018-06-05 (PCT/US2018/035937)
[87] (WO2018/236571)
[30] US (62/522,159) 2017-06-20
[30] US (15/819,632) 2017-11-21

[11] **3,069,499**
[13] C
[51] **Int.Cl. C22C 21/08 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH CORROSION-RESISTANT ALUMINUM ALLOY AND METHOD OF MAKING THE SAME**
[54] **ALLIAGE D'ALUMINIUM RESISTANT A LA CORROSION, A RESISTANCE ELEVEE, ET PROCEDE DE FABRICATION ASSOCIE**
[72] DAS, SAZOL KUMAR, US
[72] AHMED, HANY, US
[72] WEN, WEI, US
[73] NOVELIS INC., CA
[85] 2020-01-09
[86] 2017-07-10 (PCT/US2017/041313)
[87] (WO2019/013744)

[11] **3,069,664**
[13] C
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/28 (2006.01) A61M 1/34 (2006.01)**
[25] EN
[54] **FLUID LEAK DETECTION IN A DIALYSIS MACHINE**
[54] **DETECTION D'UNE FUITE DE LIQUIDE DANS UNE MACHINE DE DIALYSE**
[72] GARRIDO, HERNANDO, US
[72] ORTEGA, ANTHONY T., US
[72] BIEWER, JOHN A., US
[72] KHAN, ASIF A., US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-01-10
[86] 2018-07-10 (PCT/US2018/041360)
[87] (WO2019/014162)
[30] US (15/647,097) 2017-07-11

[11] **3,070,101**
[13] C
[51] **Int.Cl. E02F 3/40 (2006.01) E02F 3/38 (2006.01)**
[25] EN
[54] **DIPPER HANDLE ASSEMBLY FOR A POWER SHOVEL**
[54] **ASSEMBLAGE DE BRAS DE GODET POUR UNE PELLE ELECTRIQUE**
[72] RHODINE, JORDAN T., US
[72] HECHT, NATHANAEL S., US
[73] L&H INDUSTRIAL, INC., US
[86] (3070101)
[87] (3070101)
[22] 2020-01-28
[30] US (62/798199) 2019-01-29
[30] US (16/743802) 2020-01-15

[11] **3,070,357**
[13] C
[51] **Int.Cl. E21B 4/02 (2006.01) E21B 17/03 (2006.01) E21B 17/042 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL ASSEMBLY ADVANCEMENT THROUGH WELLBORE**
[54] **AVANCEMENT D'ENSEMBLE OUTIL DE FOND DE TROU A TRAVERS UN PUITS DE FORAGE**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FEARS, BRETT, US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2020-01-17
[86] 2018-05-11 (PCT/US2018/032434)
[87] (WO2019/216922)

[11] **3,070,368**
[13] C
[51] **Int.Cl. E21B 33/04 (2006.01)**
[25] EN
[54] **TENSION LATCH TUBING HANGER APPARATUS AND METHODS OF USE THEREOF**
[54] **ENSEMBLE DE SUSPENSION DE COLONNE A SUPPORT DE CHARGE DE TENSION ET METHODES D'UTILISATION CONNEXES**
[72] BACA, BRIAN J., US
[72] CHIRKO, ROMAN, US
[72] WEIMER, CASSANDRA E., US
[73] FMC TECHNOLOGIES, INC., US
[85] 2020-01-17
[86] 2018-06-27 (PCT/US2018/039685)
[87] (WO2019/018108)
[30] US (62/535,608) 2017-07-21

[11] **3,071,906**
[13] C
[51] **Int.Cl. E02F 3/88 (2006.01) E02F 3/92 (2006.01)**
[25] EN
[54] **HYDRO EXCAVATION VACUUM APPARATUS**
[54] **APPAREIL D'ASPIRATION PAR HYDROEXCAVATION**
[72] ASKELSEN, TAYTE, US
[72] STROBEL, ANDY, US
[72] LANOUE, COREY, US
[72] HOFLAND, DANIEL, US
[72] BATES, ADAM, US
[72] GIFT, DAVID, US
[72] SKINNER, JAMES W., US
[72] MEYER, NATHAN J., US
[73] VERMEER MANUFACTURING COMPANY, US
[86] (3071906)
[87] (3071906)
[22] 2018-07-13
[62] 3,011,229
[30] US (62/532853) 2017-07-14

[11] **3,072,691**
[13] C
[51] **Int.Cl. F02C 9/26 (2006.01) F23N 5/18 (2006.01) F23R 3/34 (2006.01)**
[25] EN
[54] **CONTROLLER AND METHOD**
[54] **UNITE DE COMMANDE ET PROCEDE**
[72] BEITA, JADEED, GB
[72] BULAT, GHENADIE, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-02-11
[86] 2018-09-12 (PCT/EP2018/074563)
[87] (WO2019/053043)
[30] EP (17191547.3) 2017-09-18

---

[11] **3,072,745**
[13] C
[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/50 (2019.01) B60K 1/02 (2006.01) B60L 1/14 (2006.01)**
[25] EN
[54] **ELECTRIC UTILITY TERRAIN VEHICLE**
[54] **VEHICULE UTILITAIRE TOUT-TERRAIN ELECTRIQUE**
[72] MILTON, TREVOR R., US
[72] LYNK, KEVIN M., US
[72] HEATON, ANTHONY A., US
[72] MACKELPRANG, MORGAN, US
[72] GRAY, KYLE, US
[72] DAVIS, ROBERT DANE, US
[73] NIKOLA CORPORATION, US
[86] (3072745)
[87] (3072745)
[22] 2017-05-09
[62] 3,023,462
[30] US (62/333,722) 2016-05-09
[30] US (15/268,249) 2016-09-16

---

[11] **3,072,954**
[13] C
[51] **Int.Cl. B05C 17/02 (2006.01) B32B 1/08 (2006.01) B32B 37/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING PAINT-ROLLER COVER FABRIC AND STRIP MATERIAL**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE TISSU DE REVETEMENT DE ROULEAU DE PEINTURE ET MATERIAU EN BANDE**
[72] SEKAR, CHANDRA, US
[73] SEKAR, CHANDRA, US
[85] 2020-02-12
[86] 2018-08-14 (PCT/US2018/046728)
[87] (WO2019/036480)
[30] US (15/676,507) 2017-08-14
[30] US (15/968,476) 2018-05-01

---

[11] **3,076,938**
[13] C
[51] **Int.Cl. F24C 15/00 (2006.01) A47J 37/00 (2006.01) F24C 7/08 (2006.01)**
[25] EN
[54] **FOOD COOKING APPARATUS AND HEAT STORAGE MEMBER**
[54] **APPAREIL DE CUISSON D'ALIMENTS ET ELEMENT DE STOCKAGE DE CHALEUR**
[72] CONRAD, WAYNE ERNEST, CA
[72] PETERSEN, DAVE, CA
[72] CONRAD, NINA, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[85] 2020-03-25
[86] 2018-10-04 (PCT/CA2018/051252)
[87] (WO2019/068193)
[30] US (62/569,057) 2017-10-06

---

[11] **3,076,966**
[13] C
[51] **Int.Cl. B62D 11/14 (2006.01) B60G 3/02 (2006.01) B62D 55/14 (2006.01)**
[25] EN
[54] **TRACKED ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT TERRAIN A CHENILLES**
[72] BENNETT, JEFFREY D., US
[72] MALONE, AMBER P., US
[72] SAFRANSKI, BRIAN, US
[72] WENGER, URS, US
[72] KOHLER, BEAT R., US
[72] JENNI, HANS-RUDOLF, US
[72] BORUD, ERIC U., US
[72] BATES, RICHARD H., JR., US
[72] BRACHT, BRADLEY A., US
[72] SYTSMA, COLE A., US
[72] MCGUIRE, MATTHEW P., US
[73] POLARIS INDUSTRIES INC., US
[86] (3076966)
[87] (3076966)
[22] 2014-03-25
[62] 2,904,872
[30] US (61/805,113) 2013-03-25

---

[11] **3,078,348**
[13] C
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **INFUSION PUMPS**
[54] **POMPES A PERFUSION**
[72] SMITH, ROGER E., US
[72] CAUSEY, JAMES, US
[72] GIBSON, SCOTT R., US
[72] HE, TOM XIAOHAI, US
[72] FOGARTY, THOMAS G., US
[72] RING, LAWRENCE SCOTT, US
[72] LOFTIN, SCOTT M., US
[73] MEDTRONIC MINIMED, INC., US
[86] (3078348)
[87] (3078348)
[22] 2011-09-23
[62] 2,987,866
[30] US (12/890,300) 2010-09-24
[30] US (12/890,320) 2010-09-24
[30] US (12/890,207) 2010-09-24
[30] US (12/890,166) 2010-09-24
[30] US (12/890,277) 2010-09-24
[30] US (12/890,135) 2010-09-24
[30] US (12/890,258) 2010-09-24
[30] US (12/890,229) 2010-09-24
[30] US (12/890,339) 2010-09-24

[11] **3,078,787**
[13] C
[51] **Int.Cl. F01N 3/18 (2006.01)**
[25] EN
[54] **ENGINE-DRIVEN WORKING MACHINE**
[54] **MACHINE DE TRAVAIL ENTRAINEE PAR MOTEUR**
[72] KIDO, SHOTA, JP
[72] UEMOTO, HIROSHIGE, JP
[73] YAMABIKO CORPORATION, JP
[85] 2020-04-08
[86] 2017-10-31 (PCT/JP2017/039249)
[87] (WO2019/087276)

---

[11] **3,079,735**
[13] C
[51] **Int.Cl. B23K 35/30 (2006.01) B23K 35/24 (2006.01)**
[25] EN
[54] **WIRE FOR GAS-SHIELDED ARC WELDING**
[54] **FIL POUR SOUDAGE A L`ARC SOUS PROTECTION GAZEUSE**
[72] IKAI, KAZUYA, JP
[72] KINASHI, HIKARU, JP
[72] YOKOTA, YASUYUKI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[86] (3079735)
[87] (3079735)
[22] 2020-05-04
[30] JP (2019-202161) 2019-11-07
[30] JP (2019-238958) 2019-12-27

---

[11] **3,081,522**
[13] C
[51] **Int.Cl. A24F 42/60 (2020.01) A24F 42/20 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **STABLE-FOAM INHALATION DEVICE AND CARTRIDGE**
[54] **DISPOSITIF ET CARTOUCHE D`INHALATION DE MOUSSE STABLE**
[72] HAGEN, KLAUS, DE
[73] SPLASH TM GMBH, DE
[86] (3081522)
[87] (3081522)
[22] 2020-05-29
[30] GB (2005160.3) 2020-04-07
[30] EP (20177196.1) 2020-05-28

---

[11] **3,082,394**
[13] C
[51] **Int.Cl. A21D 13/062 (2017.01) A23L 7/10 (2016.01)**
[25] EN
[54] **WHEAT BASED BINDING AGENT**
[54] **AGENT DE LIAISON A BASE DE BLE**
[72] CARSON, BROOK, US
[72] BASSI, NEAL, US
[73] MANILDRA MILLING CORPORATION, US
[85] 2020-05-11
[86] 2018-11-13 (PCT/US2018/060778)
[87] (WO2019/094945)
[30] US (62/585,327) 2017-11-13

---

[11] **3,083,508**
[13] C
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01)**
[25] EN
[54] **BLOCKCHAIN SYSTEMS AND METHODS FOR USER AUTHENTICATION**
[54] **SYSTEMES DE CHAINE DE BLOCS ET PROCEDES D'AUTHENTIFICATION DE L'UTILISATEUR**
[72] WEIMER, JONATHAN, US
[72] FOX, RYAN, US
[73] WEIMER, JONATHAN, US
[73] FOX, RYAN, US
[86] (3083508)
[87] (3083508)
[22] 2017-06-16
[62] 3,027,741
[30] US (62/351,894) 2016-06-17

---

[11] **3,085,247**
[13] C
[51] **Int.Cl. B60C 11/24 (2006.01)**
[25] EN
[54] **A TIRE WITH AN INSERT CONFIGURED TO MEASURE WEAR OF A TREAD**
[54] **PNEU AVEC INSERT CONCU POUR MESURER L'USURE D'UNE BANDE DE ROULEMENT**
[72] RAISANEN, JANI, FI
[72] OJALA, JARI, FI
[72] SOINI, TEEMU, FI
[72] VAPAAKOSKI, SIMO, FI
[72] TURUNEN, MIKKO, FI
[72] OKSJOKI, TIMO, FI
[73] NOKIAN RENKAAT OYJ, FI
[85] 2020-06-09
[86] 2018-12-11 (PCT/FI2018/050904)
[87] (WO2019/122507)
[30] EP (17397531.9) 2017-12-18

---

[11] **3,085,995**
[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/747 (2015.01) A23K 10/10 (2016.01) A23K 20/163 (2016.01) A23L 33/125 (2016.01) A23L 2/38 (2021.01) A23L 2/52 (2006.01) A61K 8/73 (2006.01) A61K 8/99 (2017.01) A61K 31/715 (2006.01) A61P 37/08 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TYPE I ALLERGY**
[54] **COMPOSITION POUR L'ALLERGIE DE TYPE I**
[72] SUGIYAMA, MASANORI, JP
[73] SONE FARM CO., LTD., JP
[85] 2020-06-16
[86] 2019-04-04 (PCT/JP2019/014996)
[87] (WO2019/208149)
[30] JP (2018-084047) 2018-04-25

[11] **3,087,901**
[13] C
[51] **Int.Cl. C08G 77/42 (2006.01) C08L 83/10 (2006.01)**
[25] EN
[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[73] THE BOEING COMPANY, US
[86] (3087901)
[87] (3087901)
[22] 2015-07-02
[62] 3,050,429
[30] US (14/329,885) 2014-07-11

---

[11] **3,088,327**
[13] C
[51] **Int.Cl. C21D 8/12 (2006.01) B23K 26/364 (2014.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING STRESS-RELIEF-ANNEALING-RESISTANT, LOW-IRON-LOSS GRAIN-ORIENTED SILICON STEEL**
[54] **PROCEDE DE FABRICATION D'ACIER AU SILICIUM A GRAINS ORIENTES A FAIBLE PERTE DE FER ET RESISTANT AU RECUIT DETENTE**
[72] CHU, SHUANGJIE, CN
[72] LI, GUOBAO, CN
[72] YANG, YONGJIE, CN
[72] ZHAO, ZIPENG, CN
[72] MA, CHANGSONG, CN
[72] SHEN, KANYI, CN
[72] WU, MEIHONG, CN
[72] JI, YAMING, CN
[72] ZHANG, HUABING, CN
[72] HU, ZHUOCHAO, CN
[73] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2020-07-13
[86] 2018-06-21 (PCT/CN2018/092077)
[87] (WO2019/148742)
[30] CN (201810095479.X) 2018-01-31

---

[11] **3,091,147**
[13] C
[51] **Int.Cl. H01M 50/293 (2021.01)**
[25] EN
[54] **ELECTRIC CELL POTTING COMPOUND AND METHOD OF MAKING**
[54] **COMPOSE D'ENROBAGE DE CELLULES ELECTRIQUES ET SON PROCEDE DE FABRICATION**
[72] GIORGINI, ALBERT M., US
[73] H.B. FULLER COMPANY, US
[85] 2020-08-12
[86] 2019-02-15 (PCT/US2019/018338)
[87] (WO2019/161292)
[30] US (62/631,584) 2018-02-16

---

[11] **3,093,773**
[13] C
[51] **Int.Cl. H02J 3/38 (2006.01) H02J 3/46 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **POWER SYSTEM OPTIMISATION**
[54] **OPTIMISATION DE SYSTEME D'ALIMENTATION**
[72] ANISI, DAVID, NO
[72] TROSTHEIM, STEIN, NO
[72] OFTEBRO, EINAR, NO
[73] ABB SCHWEIZ AG, CH
[85] 2020-09-11
[86] 2019-03-18 (PCT/EP2019/056716)
[87] (WO2019/179949)
[30] EP (18162642.5) 2018-03-19

---

[11] **3,097,870**
[13] C
[51] **Int.Cl. B29C 49/06 (2006.01)**
[25] EN
[54] **INJECTION STRETCH BLOW MOLDING MACHINE AND METHOD FOR MOLDING POLYETHYLENE CONTAINER**
[54] **MACHINE D`INJECTION-SOUFFLAGE AVEC BI-ETIRAGE ET METHODE DE MOULAGE DE CONTENANTS EN POLYETHYLENE**
[72] AOKI, SHIGETO, JP
[73] AOKI TECHNICAL LABORATORY, INC., JP
[86] (3097870)
[87] (3097870)
[22] 2020-11-03
[30] JP (2020-076654) 2020-04-23

---

[11] **3,111,838**
[13] C
[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/04 (2013.01) A61F 2/24 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **STENT LOADING DEVICE**
[54] **DISPOSITIF DE CHARGEMENT D'ENDOPROTHESE**
[72] DIEDERING, JASON S., US
[72] KUMAR, SARAVANA B., US
[73] 4C MEDICAL TECHNOLOGIES, INC., US
[85] 2021-03-04
[86] 2019-09-04 (PCT/US2019/049410)
[87] (WO2020/051163)
[30] US (62/726,602) 2018-09-04
[30] US (16/559,055) 2019-09-03

---

[11] **3,112,874**
[13] C
[51] **Int.Cl. C08F 8/12 (2006.01) C08K 5/3435 (2006.01) C08L 51/06 (2006.01)**
[25] EN
[54] **LOW SPEED CROSS-LINKING CATALYST FOR SILANE-GRAFTED PLASTOMERS**
[54] **CATALYSEUR DE RETICULATION A FAIBLE VITESSE POUR PLASTOMERES GREFFES AU SILANE**
[72] PRIETO, OSCAR, SE
[72] ODERKERK, JEROEN, SE
[72] RUSKEENIEMI, JARI-JUSSI, FI
[72] HELLSTROM, STEFAN, SE
[72] PIEL, TANJA, AT
[72] MILEVA, DANIELA, AT
[73] BOREALIS AG, AT
[85] 2021-03-15
[86] 2019-09-26 (PCT/EP2019/075979)
[87] (WO2020/069952)
[30] EP (18198382.6) 2018-10-02

[11] **3,113,147**
[13] C
[51] **Int.Cl. C07K 14/805 (2006.01) A61K 38/42 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **RECOMBINANT HEMOGLOBINS AND METHODS OF PREPARATION AND USE THEREOF**
[54] **HEMOGLOBINES RECOMBINANTES ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] KWOK, SUI YI, CN
[72] WAI, NORMAN FUNG MAN, CN
[72] YU, SHAN, CN
[72] WAI, TERENCE SHAU YIN, CN
[73] CHEER GLOBAL LIMITED, CN
[85] 2021-03-17
[86] 2020-02-03 (PCT/CN2020/074173)
[87] (WO2020/156556)
[30] US (62/799,829) 2019-02-01

[11] **3,113,368**
[13] C
[51] **Int.Cl. G06F 16/53 (2019.01) G06F 16/51 (2019.01)**
[25] EN
[54] **AUTOMATED IMAGE RETRIEVAL WITH IMAGE GRAPH**
[54] **RECUPERATION AUTOMATISEE D'IMAGES AVEC GRAPHE D'IMAGES**
[72] VOLKOVS, MAKSIMS, CA
[72] CHANG, CHENG, CA
[72] YU, GUANGWEI, CA
[72] LIU, CHUNDI, CA
[73] THE TORONTO-DOMINION BANK, CA
[85] 2021-03-18
[86] 2019-10-07 (PCT/CA2019/051432)
[87] (WO2020/102881)
[30] US (62/770,159) 2018-11-20
[30] US (16/592,006) 2019-10-03

[11] **3,113,774**
[13] C
[51] **Int.Cl. H02G 1/08 (2006.01) B66C 1/44 (2006.01) B66F 3/00 (2006.01) F16G 11/04 (2006.01) F16G 11/10 (2006.01) F16L 13/00 (2006.01) F16L 17/00 (2006.01)**
[25] EN
[54] **CABLE SECURING DEVICE**
[54] **DISPOSITIF DE FIXATION DE CABLE**
[72] CROMPTON, DAVID B., US
[72] DIAS, LIBARDO OCHOA, US
[72] BOUCHARD, HERBERT J., US
[73] QUICK FITTING HOLDING COMPANY, LLC, US
[85] 2021-03-22
[86] 2018-10-01 (PCT/US2018/053775)
[87] (WO2019/070592)
[30] US (62/569,101) 2017-10-06

[11] **3,113,781**
[13] C
[51] **Int.Cl. F16L 19/00 (2006.01) F16L 37/00 (2006.01) F16L 37/084 (2006.01) H02G 3/06 (2006.01)**
[25] EN
[54] **FITTING DEVICE, ARRANGEMENT AND METHOD**
[54] **DISPOSITIF DE RACCORD, ARRANGEMENT ET PROCEDE**
[72] CROMPTON, DAVID B., US
[72] DIAS, LIBARDO OCHOA, US
[72] BOUCHARD, HERBERT J., US
[73] QUICK FITTING HOLDING COMPANY, LLC, US
[85] 2021-03-22
[86] 2018-09-24 (PCT/US2018/052337)
[87] (WO2019/067333)
[30] US (15/716,869) 2017-09-27

[11] **3,114,095**
[13] C
[51] **Int.Cl. B05B 3/00 (2006.01) B05B 3/06 (2006.01) F16D 57/00 (2006.01)**
[25] EN
[54] **VISCOUS SPEED RETARDING DEVICE FOR ROTARY NOZZLES WITH INTERNAL PISTON FOR THERMAL EXPANSION**
[54] **DISPOSITIF DE RALENTISSEMENT VISQUEUX DE VITESSE POUR BUSES ROTATIVES A PISTON INTERNE POUR EXPANSION THERMIQUE**
[72] SCHNEIDER, JOSEPH A., US
[73] STONEAGE, INC., US
[85] 2021-03-24
[86] 2019-09-06 (PCT/US2019/049912)
[87] (WO2020/076445)
[30] US (62/745,172) 2018-10-12

[11] **3,114,141**
[13] C
[51] **Int.Cl. C08L 23/06 (2006.01) C08J 3/20 (2006.01) C08L 83/04 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **ALKENYL-FUNCTIONAL POLYDIORGANOSILOXANE COMPOSITIONS AND METHODS FOR USE THEREOF IN FORMING WOOD PLASTIC COMPOSITES**
[54] **COMPOSITIONS DE POLYDIORGANOSILOXANE A FONCTION ALCENYLE ET LEURS PROCEDES D'UTILISATION DANS LA FORMATION DE COMPOSITES BOIS-PLASTIQUE**
[72] CHORVATH, IGOR, US
[72] COURTEMANCHE, MARC-ANDRE, US
[72] KEENIHAN, JAMES, US
[72] BRUCE, KEITH, US
[72] GAAL, SEAN, US
[72] MECCA, JODI, US
[73] DOW SILICONES CORPORATION, US
[85] 2021-03-23
[86] 2020-06-10 (PCT/US2020/036890)
[87] (WO2021/025775)
[30] US (62/883,682) 2019-08-07

[11] **3,114,646**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/551 (2006.01) A61P 35/00 (2006.01) C07D 491/20 (2006.01)**
[25] EN
[54] **QUINOLINO-PYRROLIDIN-2-ONE DERIVATIVES AND APPLICATION THEREOF**
[54] **DERIVE DE QUINOLINO-PYRROLIDIN-2-ONE ET APPLICATION ASSOCIEE**
[72] QIAN, WENYUAN, CN
[72] YANG, CHUNDAO, CN
[72] DAI, GUOQIANG, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] MEDSHINE DISCOVERY INC., CN
[85] 2021-03-29
[86] 2019-09-27 (PCT/CN2019/108520)
[87] (WO2020/063855)
[30] CN (201811157825.9) 2018-09-30

[11] **3,115,515**
[13] C
[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **METHOD TO ESTABLISH DISTRIBUTED LEDGER NETWORKS WITH MULTIPLE ACCESS LEVELS FOR AN INCIDENT**
[54] **PROCEDE POUR ETABLIR DES RESEAUX DE REGISTRES DISTRIBUES AVEC DE MULTIPLES NIVEAUX D'ACCES POUR UN INCIDENT**
[72] SCHULER, FRANCESCA, US
[72] HIBEN, BRADLEY M., US
[72] MESSERGES, THOMAS S., US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2021-04-06
[86] 2019-10-07 (PCT/US2019/054921)
[87] (WO2020/086246)
[30] US (16/166,391) 2018-10-22

[11] **3,116,440**
[13] C
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/433 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THIADIAZOLE DERIVATIVE AND USES THEREOF AS A GLS1 INHIBITOR**
[54] **DERIVE DE THIADIAZOLE ET SON UTILISATION EN TANT QU'INHIBITEUR DE GLS1**
[72] LIAO, YONGGANG, CN
[72] LIN, JUN, CN
[72] LIU, CHAONAN, CN
[72] WEI, CHANGQING, CN
[72] QIAN, WENYUAN, CN
[72] ZHANG, CHEN, CN
[72] GONG, ZHEN, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] MEDSHINE DISCOVERY INC., CN
[85] 2021-04-14
[86] 2019-10-15 (PCT/CN2019/111232)
[87] (WO2020/078350)
[30] CN (201811202713.0) 2018-10-16

[11] **3,119,380**
[13] C
[51] **Int.Cl. B01D 33/21 (2006.01) B01D 33/46 (2006.01) B01D 33/50 (2006.01) B01D 33/80 (2006.01)**
[25] EN
[54] **FILTERING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE FILTRATION**
[72] ELIA, CARMINE, IT
[73] O.M.IT S.R.L., IT
[85] 2021-05-10
[86] 2019-09-17 (PCT/EP2019/074913)
[87] (WO2020/098997)
[30] IT (102018000010259) 2018-11-12
[30] IT (102018000010430) 2018-11-19
[30] IT (102019000011046) 2019-07-05
[30] IT (102019000011058) 2019-07-05

[11] **3,121,590**
[13] C
[51] **Int.Cl. A61C 3/00 (2006.01) A61C 17/02 (2006.01)**
[25] EN
[54] **ORAL MANDIBULAR AIRWAY DEVICE AND METHOD**
[54] **DISPOSITIF DE VOIE RESPIRATOIRE MANDIBULAIRE BUCCAL ET PROCEDE**
[72] BORVAN, DANIEL W., US
[73] BORVAN, DANIEL W., US
[85] 2021-05-31
[86] 2019-12-16 (PCT/US2019/066591)
[87] (WO2020/131728)
[30] US (16/224,323) 2018-12-18

[11] **3,122,265**
[13] C
[51] **Int.Cl. H04L 41/0668 (2022.01) H04W 48/18 (2009.01) H04L 41/0681 (2022.01) H04L 41/5019 (2022.01) H04L 45/121 (2022.01) H04L 45/24 (2022.01) H04L 45/28 (2022.01) H04L 43/08 (2022.01) H04L 43/10 (2022.01)**
[25] EN
[54] **MAINTAINING CONTINUOUS NETWORK SERVICE**
[54] **MAINTIEN DE SERVICE CONTINU DE RESEAU**
[72] OJHA, NIVEDITA, US
[72] THORSLUND, DEREK, US
[72] WILSON, STEPHEN, US
[73] CITRIX SYSTEMS, INC., US
[85] 2021-06-04
[86] 2019-12-06 (PCT/US2019/064943)
[87] (WO2020/142162)
[30] US (62/786,813) 2018-12-31
[30] US (16/547,102) 2019-08-21

[11] **3,123,265**
[13] C
[51] **Int.Cl. A01J 5/00 (2006.01) A01J 5/017 (2006.01) A01J 7/00 (2006.01) A01J 7/02 (2006.01) A01K 1/12 (2006.01)**
[25] EN
[54] **AUTOMATIC COW MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE DES VACHES AUTOMATIQUE**
[72] ROUSSEAU, VICTOR, CA
[72] SMITH, GILLES, CA
[72] LEBLANC, MARIO, CA
[72] PROVENCHER, MICHAEL, CA
[72] OUELLET, GILLES, CA
[73] LE GROUPE ROVIBEC INC., CA
[86] (3123265)
[87] (3123265)
[22] 2021-06-25
[30] US (17/179,889) 2021-02-19

[11] **3,124,662**
[13] C
[51] **Int.Cl. B65G 15/42 (2006.01) B29D 29/06 (2006.01)**
[25] EN
[54] **CONVEYOR BELT**
[54] **BANDE TRANSPORTEUSE**
[72] ISHIBASHI, YUSUKE, JP
[73] THE YOKOHAMA RUBBER CO., LTD., JP
[85] 2021-06-22
[86] 2019-09-25 (PCT/JP2019/037544)
[87] (WO2020/137048)
[30] JP (2018-245635) 2018-12-27

[11] **3,127,837**
[13] C
[51] **Int.Cl. B01D 21/26 (2006.01) B01D 45/12 (2006.01) B01J 2/04 (2006.01) B07B 7/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING THE PARTICULATE CONTENT OF A LIQUID-PARTICULATE MIXTURE**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DE LA TENEUR EN MATIERES PARTICULAIRES D'UN MELANGE LIQUIDE-PARTICULAIRE**
[72] COBOS URDANETA, SYGIFREDO, CA
[73] ENOVIST INC., CA
[85] 2021-07-26
[86] 2020-02-04 (PCT/CA2020/050130)
[87] (WO2020/160648)
[30] US (62/800,832) 2019-02-04

[11] **3,132,984**
[13] C
[51] **Int.Cl. A61B 5/304 (2021.01) A61B 5/282 (2021.01) A61B 5/327 (2021.01) A61B 5/332 (2021.01) A61B 5/352 (2021.01) A61B 5/00 (2006.01) A61B 5/024 (2006.01) A61B 5/0245 (2006.01)**
[25] EN
[54] **LEADLESS ELECTROCARDIOGRAM MONITOR**
[54] **MONITEUR D'ELECTROCARDIOGRAMME SANS FIL**
[72] AHMAD, SAIF, CA
[72] GARG, ATUL KUMAR, CA
[73] THE ACCESS TECHNOLOGIES, CA
[85] 2021-09-07
[86] 2020-03-06 (PCT/CA2020/050304)
[87] (WO2020/181367)
[30] CA (3,036,168) 2019-03-08
[30] US (16/353,894) 2019-03-14
[30] US (16/514,571) 2019-07-17
[30] US (16/514,727) 2019-07-17

[11] **3,135,074**
[13] C
[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **COMPATIBILIZATION OF RECYCLED POLYETHYLENE-POLYPROPYLENE BLENDS**
[54] **COMPATIBILISATION DE MELANGES DE POLYETHYLENE-POLYPROPYLENE RECYCLES**
[72] KAHLEN, SUSANNE, AT
[72] BRAUN, HERMANN, AT
[72] LIU, YI, AT
[72] GAHLEITNER, MARKUS, AT
[72] HUBNER, GERHARD, AT
[73] BOREALIS AG, AT
[85] 2021-09-27
[86] 2020-03-26 (PCT/EP2020/058578)
[87] (WO2020/201020)
[30] EP (19166174.3) 2019-03-29

Canadian Applications Open to Public Inspection

February 20, 2022 to February 26, 2022

Demandes canadiennes mises à la disponibilité du public

20 février 2022 au 26 février 2022

---

[21] **3,090,544**
[13] A1
[51] **Int.Cl. A23F 3/34 (2006.01) A23L 7/10 (2016.01)**
[25] EN
[54] **ROASTED BARLEY TEA BEVERAGE**
[54] **BREUVAGE DE THE D'ORGE TORREFIE**
[72] WATKINS, CILLA R., CA
[72] ISHIZAKA, JANICE, JP
[71] WATKINS, CILLA R., CA
[71] ISHIZAKA, JANICE, JP
[22] 2020-08-20
[41] 2022-02-20

---

[21] **3,090,619**
[13] A1
[51] **Int.Cl. F41H 5/26 (2006.01) B32B 7/023 (2019.01) B29C 70/36 (2006.01) B32B 27/04 (2006.01) F41H 5/02 (2006.01)**
[25] EN
[54] **TRANSPARENT REFRACTIVE INDEX MATCHED ARMOUR COMPOSITE**
[54] **COMPOSITE D'ARMURE TRANSPARENT A CORRESPONDANCE D'INDICE DE REFRACTION**
[72] SIERACKI, ADAM C., CA
[71] SIERACKI, ADAM C., CA
[22] 2020-08-20
[41] 2022-02-20

---

[21] **3,090,721**
[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A41B 9/00 (2006.01) A41B 9/02 (2006.01) A41B 9/04 (2006.01) A61F 13/496 (2006.01) A61F 13/84 (2006.01) A61L 15/44 (2006.01)**
[25] EN
[54] **UNDERWEAR FOR DISPENSING CBD**
[54] **SOUS-VETEMENT POUR LA DISTRIBUTION DE CANNABIDIOL**
[72] SCOTT, HILARY BRENDA, CA
[72] WHEATON, MAXINE BOBBIE CLARE, CA
[71] SCOTT, HILARY BRENDA, CA
[71] WHEATON, MAXINE BOBBIE CLARE, CA
[22] 2020-08-21
[41] 2022-02-21

---

[21] **3,090,723**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 63/00 (2006.01)**
[25] EN
[54] **GOAL TRAINING APPARATUS**
[54] **APPAREIL D'ENTRAINEMENT A MARQUER DES BUTS**
[72] BURKE, PATRICK, CA
[72] FARRELL-BURKE, KAMAU, CA
[71] BURKE, PATRICK, CA
[71] FARRELL-BURKE, KAMAU, CA
[22] 2020-08-21
[41] 2022-02-20
[30] US (16/999,046) 2020-08-20

---

[21] **3,090,749**
[13] A1
[51] **Int.Cl. B01D 29/46 (2006.01)**
[25] EN
[54] **STACKED-PLATE FILTERS, FILTER PLATES, AND METHODS FOR A STACKED-PLATE FILTER**
[54] **FILTRES A PLAQUES EMPILEES, PLAQUES FILTRANTES ET METHODES D'UN FILTRE A PLAQUES EMPILEES**
[72] HEMSTOCK, CHRISTOPHER A., CA
[71] SPECIALIZED DESANDERS INC., CA
[22] 2020-08-21
[41] 2022-02-21

---

[21] **3,090,770**
[13] A1
[51] **Int.Cl. F24F 12/00 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **A DAMPER-FREE REGENERATIVE HEAT AND MOISTURE RECOVERY VENTILATOR**
[54] **VENTILATEUR DE RECUPERATION DE CHALEUR ET D'HUMIDITE REGENERATIVES SANS AMORTISSEUR**
[72] OLUFADE, ADESOLA O., CA
[71] OLUFADE, ADESOLA O., CA
[22] 2020-08-21
[41] 2022-02-21

---

[21] **3,090,888**
[13] A1
[51] **Int.Cl. F16M 13/00 (2006.01) A45C 11/00 (2006.01) A45F 5/00 (2006.01)**
[25] EN
[54] **MOBILE DEVICE HOLDER**
[54] **SUPPORT A DISPOSITIF MOBILE**
[72] SJODIN, STEPHEN, CA
[71] SJODIN, STEPHEN, CA
[22] 2020-08-24
[41] 2022-02-24

[21] **3,090,918**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD FOR CREATING, EDITING AND USING MACHINE LEARNING MODELS WITHOUT TRAINING OR PROPAGATION ALGORITHMS**
[54] **METHODE DE CREATION, DE MODIFICATION ET D'UTILISATION DE MODELES D'APPRENTISSAGE AUTOMATIQUE SANS ENTRAINEMENT OU ALGORITHME DE PROPAGATION**
[72] GARRISON, LANDON D., CA
[71] GARRISON, LANDON D., CA
[22] 2020-08-24
[41] 2022-02-24

[21] **3,090,969**
[13] A1
[51] **Int.Cl. F16B 7/00 (2006.01) B23P 15/00 (2006.01) E04H 12/00 (2006.01)**
[25] EN
[54] **BRACKET FOR POWER TRANSMISSION POLES AND A METHOD OF FABRICATING THE SAME**
[54] **SUPPORT POUR POTEAUX DE TRANSMISSION DE PUISSANCE ET METHODE DE FABRICATION**
[72] LAL, MADAN, IN
[71] LAL, MADAN, IN
[22] 2020-08-24
[41] 2022-02-24

[21] **3,091,065**
[13] A1
[51] **Int.Cl. E04G 21/32 (2006.01)**
[25] EN
[54] **FALL PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LES CHUTES**
[72] FABBI, CHRISTOPHER, CA
[71] UNIFIED SAFETY INC., CA
[22] 2020-08-25
[41] 2022-02-25

[21] **3,091,177**
[13] A1
[51] **Int.Cl. H05B 3/06 (2006.01) F28D 20/00 (2006.01) H05B 3/14 (2006.01)**
[25] EN
[54] **ELECTRICALLY ISOLATING SUPPORT ELEMENT**
[54] **ELEMENT DE SUPPORT A ISOLATION ELECTRIQUE**
[72] AHADI, AMIRHOSSEIN, CA
[72] LYNCH, GEORGE, US
[72] SUBRAMANYAM, AARIK, CA
[71] KELVIN THERMAL ENERGY INC., CA
[22] 2020-08-26
[41] 2022-02-26

[21] **3,091,201**
[13] A1
[51] **Int.Cl. E21B 34/08 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **METHOD TO IMPROVE HYDRODYNAMICS AND EFFICIENT USE OF AN OIL AND/OR GAS WELL'S ENERGY TO LIFT FLUIDS THROUGH SUPERFICIAL GAS VELOCITY MAINTENANCE AND APPLICATION OF LOAD REGULATING DEVICE(S)**
[54] **METHODE POUR AMELIORER L'HYDRODYNAMIQUE ET UTILISATION EFFICACE DE L'ENERGIE DES PUITS DE PETROLE ET/OU DE GAZ POUR LEVER LES FLUIDES DANS L'ENTRETIEN DE LA VITESSE DE GAZ SUPERFICIEL ET L'APPLICATION DE DISPOSITIFS DE REGULATION DE CHARGE**
[72] ELLITHORP, BRIAN, US
[71] ELLITHORP, BRIAN, US
[22] 2020-08-26
[41] 2022-02-26

[21] **3,091,219**
[13] A1
[51] **Int.Cl. G06Q 90/00 (2006.01)**
[25] EN
[54] **LICENSED AND FRANCHISED POCKET PARKS**
[54] **PARCS DE POCHE FRANCHISES ET HOMOLOGUES**
[72] PENNEY, PHILICIA A., CA
[71] PENNEY, PHILICIA A., CA
[22] 2020-08-26
[41] 2022-02-26

[21] **3,091,221**
[13] A1
[51] **Int.Cl. A41B 1/18 (2006.01) A41B 1/08 (2006.01) A41D 1/04 (2006.01) A41D 27/08 (2006.01) A63B 71/06 (2006.01) G09F 19/00 (2006.01)**
[25] EN
[54] **NEXT DART CHECKOUT CHART SHIRT**
[54] **GILET A TABLEAU DE VERIFICATION DE CIBLE DU PROCHAIN DARD**
[72] LORIMER, WILLIAM R., CA
[72] LORIMER, CAROL B., CA
[71] LORIMER, WILLIAM R., CA
[71] LORIMER, CAROL B., CA
[22] 2020-08-26
[41] 2022-02-26

[21] **3,091,564**
[13] A1
[51] **Int.Cl. A63B 67/00 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **A BALL TO BALL CONTACT GAME REQUIRING SKILLS THAT CHALLENGE PLAYERS TO ORGANIZE AND ATTEMPT TO MASTER THE COMPLEX TASKS OF EYE HAND COORDINATION WITH A GAME WEIGHT BALL, AND EVER CHANGING DISTANCE TO TARGET**
[54] **JEU DE CONTACT BALLON A BALLON NECESSITANT DES HABILETES QUI METTENT AU DEFI LES JOUEURS DE S'ORGANISER ET DE TENTER DE MAITRISER LES TACHES COMPLEXES DE COORDINATION MAIN-OEIL AVEC UN BALLON LOURD ET DISTANCE A LA CIBLE EN CONSTANT CHANGEMENT**
[72] CHEVERIE, DAVID JOSEPH, CA
[71] CHEVERIE, DAVID JOSEPH, CA
[22] 2020-08-25
[41] 2022-02-25

[21] **3,092,043**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PDLD01B**
[54] **VARIETE DE BLE 6PDLD01B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[72] MARSHALL, GREGORY CHARLES, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-09-03
[41] 2022-02-25
[30] US (17/002,287) 2020-08-25

---

[21] **3,092,051**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PUCY79B**
[54] **VARIETE DE BLE 6PUCY79B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[72] UPHAUS, JAMES JOSEPH, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-09-03
[41] 2022-02-25
[30] US (17/002,303) 2020-08-25

---

[21] **3,092,052**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY 6PWBD39B**
[54] **VARIETE DE BLE 6PWBD39B**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LEMES DA SILVA, CRISTIANO, US
[72] LIVELY, KYLE JAY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-09-03
[41] 2022-02-25
[30] US (17/002,324) 2020-08-25

---

[21] **3,092,308**
[13] A1
[51] **Int.Cl. E04H 17/22 (2006.01) E01F 13/00 (2006.01) E04H 12/22 (2006.01)**
[25] EN
[54] **TWO PIECE TEMPORARY FENCE SUPPORT**
[54] **SUPPORT DE CLOTURE TEMPORAIRE EN DEUX MORCEAUX**
[72] MUC, CHRISTOPHER, CA
[71] CANPAD INC., CA
[22] 2020-08-25
[41] 2022-02-25

---

[21] **3,092,707**
[13] A1
[51] **Int.Cl. E02F 3/36 (2006.01) E02F 9/14 (2006.01)**
[25] EN
[54] **BOOM TURRET FOR AN EXCAVATION VEHICLE AND METHOD THEREOF**
[54] **TOURELLE DE FLECHE POUR UN VEHICULE D'EXCAVATION ET METHODE CONNEXE**
[72] MAYER, TIMOTHY G., US
[72] SCHMIDT, JOSEPH L., US
[71] FEDERAL SIGNAL CORPORATION, US
[22] 2020-09-11
[41] 2022-02-24
[30] US (63/069262) 2020-08-24

---

[21] **3,093,684**
[13] A1
[51] **Int.Cl. B01D 29/62 (2006.01) B01D 29/84 (2006.01)**
[25] EN
[54] **IN SITU REJUVENATION OF CONTAMINATED MECHANICAL FILTRATION MEDIUM**
[54] **RAJEUNISSEMENT SUR PLACE D'UN MATERIAU DE FILTRATION MECANIQUE CONTAMINE**
[72] MASTEN, JAMES WILLIAM, US
[71] MASTEN, JAMES WILLIAM, US
[22] 2020-09-18
[41] 2022-02-26
[30] US (17/003892) 2020-08-26

---

[21] **3,098,156**
[13] A1
[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **UNIVERSAL SEATING APPARATUS**
[54] **SIEGE UNIVERSEL**
[72] GUALTIERI, SANDRA, CA
[71] GUALTIERI, SANDRA, CA
[22] 2020-08-25
[41] 2022-02-25

---

[21] **3,102,497**
[13] A1
[51] **Int.Cl. C07D 313/00 (2006.01) A61K 31/201 (2006.01) A61K 31/365 (2006.01) A61P 35/00 (2006.01) C07C 51/367 (2006.01) C07F 7/10 (2006.01)**
[25] EN
[54] **OPEN-RING FATTY ACID COMPOUND HAVING ANTI-CANCER ACTIVITY**
[54] **COMPOSE D'ACIDE GRAS A NOYAU OUVERT AYANT UNE ACTIVITE ANTICANCEREUSE**
[72] BOBBITT, JUDITH, CA
[72] ZEIN, AHMED, CA
[71] OCEANS LTD., CA
[22] 2020-12-11
[41] 2022-02-24
[30] US (63/069,269) 2020-08-24

[21] **3,103,333**
[13] A1
[51] **Int.Cl. F21V 21/15 (2006.01) F21V 21/16 (2006.01)**
[25] EN
[54] **EXPANDABLE LIGHT LIFT SYSTEM AND RELATED METHOD**
[54] **SYSTEME DE LEVAGE LUMINEUX EXPANSIBLE ET METHODE CONNEXE**
[72] JACKSON, STEPHEN D., US
[71] USA PRODUCTS GROUP, US
[22] 2020-12-21
[41] 2022-02-26
[30] US (17/003,303) 2020-08-26

[21] **3,104,108**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/465 (2020.01) A24F 1/30 (2006.01)**
[25] EN
[54] **HEATING HANDLE**
[54] **POIGNEE CHAUFFANTE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010863461.7) 2020-08-25
[30] CN (202021795439.5) 2020-08-25

[21] **3,104,121**
[13] A1
[51] **Int.Cl. A24B 3/10 (2006.01)**
[25] EN
[54] **TOBACCO ROASTER**
[54] **TORREFACTEUR DE TABAC**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010867979.8) 2020-08-25
[30] CN (202021819299.0) 2020-08-25

[21] **3,104,132**
[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **CERAMIC ATOMIZER**
[54] **PULVERISATEUR CERAMIQUE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010864557.5) 2020-08-25
[30] CN (202021795525.6) 2020-08-25

[21] **3,104,136**
[13] A1
[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **ELECTRONIC HOOKAH**
[54] **HOUKA ELECTRONIQUE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010864531.0) 2020-08-25
[30] CN (202021794112.6) 2020-08-25

[21] **3,104,138**
[13] A1
[51] **Int.Cl. A24B 3/10 (2006.01)**
[25] EN
[54] **TOBACCO ROASTER**
[54] **TORREFACTEUR DE TABAC**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010866622.8) 2020-08-25
[30] CN (202021798901.7) 2020-08-25

[21] **3,104,491**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **ATOMIZER**
[54] **PULVERISATEUR**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2020-12-24
[41] 2022-02-25
[30] CN (202010864579.1) 2020-08-25
[30] CN (202021794114.5) 2020-08-25

[21] **3,108,537**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE**
[72] LIU, TUANFANG, CN
[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[22] 2021-02-10
[41] 2022-02-25
[30] CN (202010866623.2) 2020-08-25
[30] CN (202021803903.0) 2020-08-25
[30] CN (202022155718.1) 2020-09-27
[30] CN (202011035852.6) 2020-09-27

[21] **3,115,541**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 31/23 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01)**
[25] EN
[54] **MULTIPLE CONCENTRATE FORMULATION FOR MEDICAL PRODUCTS**
[54] **FORMULATION DE MULTIPLES CONCENTRES POUR PRODUITS MEDICAUX**
[72] FENZL, MARK, US
[71] FENZL, MARK, US
[22] 2021-04-19
[41] 2022-02-22
[30] US (63/103,771) 2020-08-22
[30] US (63/204,576) 2020-10-12

[21] **3,116,757**
[13] A1
[51] **Int.Cl. G06T 11/00 (2006.01) G06N 20/00 (2019.01) G06F 40/205 (2020.01) G06F 40/40 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINE LEARNING BASED IMAGE GENERATION**
[54] **SYSTEME ET METHODE DE GENERATION D'IMAGE FONDEE SUR L'APPRENTISSAGE AUTOMATIQUE**
[72] MASCARENHAS, SUSANNA, IN
[72] MASCARENHAS, CALUM, CA
[72] MASCARENHAS, MARIKA, CA
[72] MATHUR, NISHANT, IN
[72] MATHUR, NISHANT, IN
[71] MASCARENHAS, SUSANNA, IN
[71] MASCARENHAS, CALUM, CA
[71] MASCARENHAS, MARIKA, CA
[71] MATHUR, NISHANT, IN
[22] 2021-04-30
[41] 2022-02-25
[30] US (62/706,562) 2020-08-25

[21] **3,118,622**
[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/06 (2006.01)**
[25] EN
[54] **A TUBE ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ENSEMBLE TUBE POUR TURBINE A GAZ**
[72] MISKIE, RYAN, CA
[72] MORENKO, OLEG, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-14
[41] 2022-02-21
[30] US (16/999,135) 2020-08-21

[21] **3,118,753**
[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **PRESSURE SEAL ASSEMBLY**
[54] **ASSEMBLAGE DE JOINT D'ETANCHEITE**
[72] PEREZ, FELIPE, CA
[72] HODGSON, STUART, CA
[72] POIRIER, DANIEL, CA
[72] NAJJAR, NADIM ANTOINE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-14
[41] 2022-02-21
[30] US (16/999,971) 2020-08-21

[21] **3,118,763**
[13] A1
[51] **Int.Cl. F16C 35/06 (2006.01) F16C 33/58 (2006.01)**
[25] EN
[54] **ROLLER BEARING ASSEMBLY**
[54] **ASSEMBLAGE DE ROULEMENT A ROULEAUX**
[72] PIOTROWSKY, MACIEJ, CA
[72] FOREST, JEAN-JACQUES, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-14
[41] 2022-02-21
[30] US (16/999,677) 2020-08-21

[21] **3,119,286**
[13] A1
[51] **Int.Cl. G06K 7/01 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **DUPLICATION DEVICE FOR KEY FOBS**
[54] **DISPOSITIF DE DUPLICATION DE BRELOQUES**
[72] SERZEDELLO, RODRIGO, US
[71] THE HILLMAN GROUP, INC., US
[22] 2021-05-20
[41] 2022-02-26
[30] US (17/003001) 2020-08-26

[21] **3,119,479**
[13] A1
[51] **Int.Cl. E05F 11/02 (2006.01)**
[25] EN
[54] **FENESTRATION UNIT OPERATOR TENSIONER**
[54] **APPAREIL DE TENSION D'OPERATEUR D'UNITE DE FENESTRATION**
[72] BERNHAGEN, TODD A., US
[71] PELLA CORPORATION, US
[22] 2021-05-25
[41] 2022-02-25
[30] US (63/070,156) 2020-08-25

[21] **3,122,976**
[13] A1
[51] **Int.Cl. H01F 7/02 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **PERMANENT FIELD MAGNET, MANUFACTURING METHOD, AND LINEAR MOTOR**
[54] **AIMANT A CHAMP PERMANENT, METHODE DE FABRICATION ET MOTEUR LINEAIRE**
[72] KONNO, YUSUKE, JP
[72] IMAMORI, SATOSHI, JP
[71] FUJI ELECTRIC CO., LTD., JP
[22] 2021-06-23
[41] 2022-02-21
[30] JP (2020-140407) 2020-08-21

[21] **3,122,984**
[13] A1
[51] **Int.Cl. E02D 3/10 (2006.01) E02B 11/02 (2006.01) E02D 11/00 (2006.01)**
[25] EN
[54] **WICK DRAIN SHOE ASSEMBLIES, SYSTEMS, AND METHODS**
[54] **ASSEMBLAGES, SYSTEMES ET METHODES DE PATIN DE DRAIN A MECHE**
[72] LEGAULT, ERIC C., US
[71] AMERICAN PILEDRIVING EQUIPMENT, INC., US
[22] 2021-06-23
[41] 2022-02-24
[30] US (63/069,329) 2020-08-24
[30] US (17/217,616) 2021-03-30

[21] **3,123,074**
[13] A1
[51] **Int.Cl. G06F 9/455 (2018.01) G06F 9/445 (2018.01) G06F 11/36 (2006.01)**
[25] EN
[54] **VIRTUAL MACHINE FOR DEVELOPING AND TESTING TARGET CODE FOR HARDWARE DESIGNS**
[54] **MACHINE VIRTUELLE POUR DEVELOPPER ET TESTER UN CODE CIBLE POUR DES CONCEPTIONS DE MATERIEL**
[72] HOTRA, JONATHAN NICHOLAS, US
[71] THE BOEING COMPANY, US
[22] 2021-06-22
[41] 2022-02-26
[30] US (63/070555) 2020-08-26

[21] **3,123,160**
[13] A1
[51] **Int.Cl. F23Q 3/00 (2006.01) F23D 14/72 (2006.01) G01N 21/72 (2006.01)**
[25] EN
[54] **COMBUSTION APPARATUS**
[54] **APPAREIL DE COMBUSTION**
[72] KAMEI, KEISUKE, JP
[71] MIURA CO., LTD., JP
[22] 2021-06-24
[41] 2022-02-26
[30] JP (2020-142772) 2020-08-26

[21] **3,123,412**
[13] A1
[51] **Int.Cl. G01J 1/04 (2006.01) G01J 5/04 (2006.01)**
[25] EN
[54] **SENSING DEVICE AND LIGHTING DEVICE**
[54] **DISPOSITIF DE DETECTION ET DISPOSITIF D'ECLAIRAGE**
[72] GUO, GUANGTING, CN
[72] XIAO, KUN, CN
[72] HUANG, HAI, CN
[72] YAO, PAN, CN
[72] RONG, ROB, CN
[71] SAVANT TECHNOLOGIES LLC, US
[22] 2021-06-28
[41] 2022-02-20
[30] CN (2020217513477) 2020-08-20

[21] **3,124,199**
[13] A1
[51] **Int.Cl. B23Q 3/06 (2006.01)**
[25] EN
[54] **CLAMPING CHUCK**
[54] **MANDRIN DE SERRAGE**
[72] HEDIGER, HANS, CH
[71] EROWA AG, CH
[22] 2021-07-09
[41] 2022-02-21
[30] CH (01043/20) 2020-08-21

[21] **3,124,554**
[13] A1
[51] **Int.Cl. A42B 1/017 (2021.01) A42B 1/006 (2021.01) A42B 1/012 (2021.01) A42B 1/24 (2021.01) A41D 13/11 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING FACIAL EXPOSURE TO AIRBORNE GERMS**
[54] **PROCEDE ET APPAREIL POUR REDUIRE L'EXPOSITION DU VISAGE AUX GERMES EN SUSPENSION DANS L'AIR**
[72] PERRY, TROY, CA
[72] SHAW, JEFF, CA
[71] PERRY, TROY, CA
[71] SHAW, JEFF, CA
[22] 2021-07-14
[41] 2022-02-24
[30] CA (3,090,973) 2020-08-24

[21] **3,124,555**
[13] A1
[51] **Int.Cl. F16L 9/18 (2006.01) B21D 39/04 (2006.01) F16L 7/00 (2006.01) F28D 7/10 (2006.01) F28F 1/00 (2006.01)**
[25] EN
[54] **DOUBLE PIPE AND METHOD FOR MANUFACTURING SAME**
[54] **DOUBLE TUYAU ET METHODE DE FABRICATION**
[72] YAMAMOTO, KOJI, JP
[72] WAGATSUMA, TAKASHI, JP
[72] NODA, RYOJI, JP
[71] YUTAKA GIKEN CO., LTD., JP
[22] 2021-07-13
[41] 2022-02-21
[30] JP (2020-139871) 2020-08-21
[30] JP (2020-219379) 2020-12-28

[21] **3,124,812**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD FOR DECENTRALIZED ACCESSIONING FOR DISTRIBUTED MACHINE LEARNING AND OTHER APPLICATIONS**
[54] **METHODE D'ACCES DECENTRALISE A L'APPRENTISSAGE AUTOMATIQUE DISTRIBUE ET A D'AUTRES APPLICATIONS**
[72] MUTCH, KARL, US
[71] COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION, US
[22] 2021-07-15
[41] 2022-02-25
[30] US (17/002,444) 2020-08-25

[21] **3,126,567**
[13] A1
[51] **Int.Cl. C08K 11/00 (2006.01) C08K 3/013 (2018.01) A61L 2/23 (2006.01) B29C 70/58 (2006.01) C08J 3/20 (2006.01) C08L 33/12 (2006.01) A01N 25/10 (2006.01) A01N 65/00 (2009.01) A01P 1/00 (2006.01)**
[25] EN
[54] **THERMOSETTABLE CASTING COMPOSITION, MOLDING PRODUCED FROM IT, AND METHOD FOR PRODUCING THE MOLDING**
[54] **COMPOSITION DE MOULAGE THERMODURCISSABLE, MOULAGE AINSI PRODUIT ET METHODE DE PRODUCTION DU MOULAGE**
[72] DATSYUK, VITALIY, DE
[72] ORENDORZ, ADAM, DE
[72] ACHATZ, OSKAR, DE
[71] SCHOCK GMBH, DE
[22] 2021-07-30
[41] 2022-02-25
[30] DE (102020122216.5) 2020-08-25

[21] **3,126,668**
[13] A1
[51] **Int.Cl. F24F 13/08 (2006.01) F03D 80/60 (2016.01) F01P 11/00 (2006.01)**
[25] EN
[54] **LOUVERS, AND WIND TURBINES COMPRISING SUCH LOUVERS**
[54] **PERSIENNES ET EOLIENNES COMPORTANT DE TELLES PERSIENNES**
[72] RODRIGUEZ BAYO, ROBERTO, ES
[72] MILLHOUSE, ANTHONY W., ES
[72] MARINI, SHELON A., ES
[72] SAFAK, OMER, ES
[72] ROCA, ADRIA, ES
[72] SALAMAH, SAMIR A., US
[71] GENERAL ELECTRIC RENOVABLES ESPANA S.L., ES
[22] 2021-08-04
[41] 2022-02-21
[30] EP (20382763.9) 2020-08-21

---

[21] **3,126,810**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **INTEGRATED MAT ASSEMBLY AND METHOD OF USE**
[54] **ASSEMBLAGE DE TAPIS INTEGRE ET METHODE D'UTILISATION**
[72] HUSS, PHILIP, US
[71] WEARWELL, LLC, US
[22] 2021-08-05
[41] 2022-02-26
[30] US (17/002,974) 2020-08-26

---

[21] **3,126,859**
[13] A1
[51] **Int.Cl. B60R 19/52 (2006.01)**
[25] EN
[54] **BUG SCREEN AND METHOD OF MOUNTING**
[54] **ECRAN A MOUSTIQUES ET METHODE D'INSTALLATION**
[72] ELSKAFOSS, KEVIN, US
[72] CHARLES, ROBERT, US
[71] INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY, LLC, US
[22] 2021-08-05
[41] 2022-02-26
[30] US (17/003,460) 2020-08-26

---

[21] **3,127,011**
[13] A1
[51] **Int.Cl. B62D 55/07 (2006.01) B60K 1/00 (2006.01) B60K 11/00 (2006.01)**
[25] EN
[54] **ELECTRIC SNOWMOBILE**
[54] **MOTONEIGE ELECTRIQUE**
[72] MATSUSHITA, YASUSHI, JP
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[22] 2021-08-06
[41] 2022-02-26
[30] JP (2020-142378) 2020-08-26

---

[21] **3,127,022**
[13] A1
[51] **Int.Cl. B66B 5/00 (2006.01) B66B 1/00 (2006.01) B66B 5/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADJUSTING ELEVATOR LOAD SETTINGS**
[54] **SYSTEMES ET METHODES POUR AJUSTER LES REGLAGES DE CHARGE D'ASCENSEUR**
[72] APPANA, AMARNAUTH, US
[71] APPANA INDUSTRIES LLC, US
[22] 2021-08-06
[41] 2022-02-26
[30] US (63/070,655) 2020-08-26

---

[21] **3,127,310**
[13] A1
[51] **Int.Cl. B60R 11/04 (2006.01)**
[25] EN
[54] **CAMERA AND MOUNT FOR A VEHICLE TRAILER**
[54] **CAMERA ET SUPPORT POUR UNE REMORQUE DE VEHICULE**
[72] SICKLER, VICKI, US
[72] DELUCCO, DAMIEN, US
[71] HOPKINS MANUFACTURING CORPORATION, US
[22] 2021-08-10
[41] 2022-02-20
[30] US (16/998.735) 2020-08-20

---

[21] **3,127,332**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHODS, SYSTEMS, ARTICLES OF MANUFACTURE, AND APPARATUS TO ADJUST MARKET STRATEGIES**
[54] **METHODES, SYSTEMES, ARTICLES DE FABRICATION ET APPAREIL POUR AJUSTER DES STRATEGIES DE MARCHE**
[72] SEYBERT, MORGAN, US
[72] FIORE, EMMA, US
[72] TREANGEN, TROY, US
[71] NIELSEN CONSUMER LLC, US
[22] 2021-08-10
[41] 2022-02-21
[30] US (17/243,254) 2021-04-28
[30] US (63/068,743) 2020-08-21

---

[21] **3,127,356**
[13] A1
[51] **Int.Cl. E05B 21/06 (2006.01)**
[25] EN
[54] **DETAINER DISC LOCKING SYSTEM WHICH FORMS A DEVIATED PICKING PATH**
[54] **SYSTEME DE VERROUILLAGE DE DISQUES DE RETENUE FORMANT UNE VOIE DE PRISE DEVIEE**
[72] BOWLEY, RYAN THOMAS, CA
[71] BOWLEY LOCK COMPANY INC., CA
[22] 2021-08-10
[41] 2022-02-24
[30] US (63/069,233) 2020-08-24
[30] US (63/077,147) 2020-09-11

[21] **3,127,681**
[13] A1
[51] **Int.Cl. A61L 9/18 (2006.01) A61L 2/08 (2006.01) A61L 2/18 (2006.01) A61L 2/20 (2006.01) C01B 13/10 (2006.01) C01B 15/01 (2006.01)**
[25] EN
[54] **REACTIVE OXYGEN SPECIES (ROS) ENHANCED ANTIBACTERIAL LIGHT SYSTEM**
[54] **SYSTEME DE LUMIERE ANTIBACTERIENNE AMELIOREE UTILISANT DES DERIVES REACTIFS DE L'OXYGENE**
[72] JOHANNESSEN, ERIC, US
[72] EDQUIST, JOHN, US
[72] TILMONT, DANIEL, US
[71] B/E AEROSPACE, INC., US
[22] 2021-08-10
[41] 2022-02-26
[30] US (63/070,791) 2020-08-26
[30] US (17/184,913) 2021-02-25

[21] **3,127,970**
[13] A1
[51] **Int.Cl. H01L 31/02 (2006.01) H01L 25/03 (2006.01)**
[25] EN
[54] **FLEXIBLE CIRCUIT FOR SOLAR CELL ASSEMBLIES**
[54] **CIRCUIT FLEXIBLE POUR DES ASSEMBLAGES DE PILE SOLAIRE**
[72] FETZER, CHRISTOPHER M., US
[71] THE BOEING COMPANY, US
[22] 2021-08-11
[41] 2022-02-21
[30] US (63/068,840) 2020-08-21
[30] US (17/232,176) 2021-04-16

[21] **3,128,314**
[13] A1
[51] **Int.Cl. C08L 75/04 (2006.01) C08J 9/14 (2006.01) C08L 33/06 (2006.01) C08L 51/08 (2006.01)**
[25] EN
[54] **PRODUCTION OF POLYURETHANE FOAM**
[54] **PRODUCTION DE MOUSSE DE POLYURETHANNE**
[72] WAGNER, MICHAEL, DE
[72] SCHILLER, CARSTEN, DE
[72] FERENZ, MICHAEL, DE
[72] OTTO, SARAH, DE
[72] KOMMELT, SABINE, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2021-08-16
[41] 2022-02-20
[30] EP (20191881.0) 2020-08-20

[21] **3,128,316**
[13] A1
[51] **Int.Cl. G06Q 50/30 (2012.01) G06F 40/20 (2020.01) G06F 40/40 (2020.01) G06V 10/70 (2022.01)**
[25] EN
[54] **VEHICLE REPAIR WORKFLOW AUTOMATION WITH NATURAL LANGUAGE PROCESSING**
[54] **AUTOMATISATION DU FLUX DE TRAVAIL DE REPARATION D'UN VEHICULE AU MOYEN DE TRAITEMENT DES LANGUES NATURELLES**
[72] CHONG, GEENGYEE, US
[72] GASTINEAU, JERRY, US
[72] GULATI, ABHIJEET, US
[71] MITCHELL INTERNATIONAL, INC., US
[22] 2021-08-16
[41] 2022-02-20
[30] US (16/998,948) 2020-08-20

[21] **3,128,537**
[13] A1
[51] **Int.Cl. G06F 16/25 (2019.01)**
[25] EN
[54] **INTERFACE MESSAGE CONVERSION METHOD, DEVICE AND SYSTEM**
[54] **METHODE, DISPOSITIF ET SYSTEME DE CONVERSION DE MESSAGES D'INTERFACE**
[72] SI, SHUHUA, CN
[72] QIAO, RUI, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-08-17
[41] 2022-02-20
[30] CN (202010842893.X) 2020-08-20

[21] **3,128,540**
[13] A1
[51] **Int.Cl. G06F 12/0877 (2016.01)**
[25] EN
[54] **CACHE SYSTEM HOTSPOT DATA ACCESS METHOD AND DEVICE, EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE D'ACCES DE DONNEES D'UNE BORNE D'UN SYSTEME DE MEMOIRE CACHE ET DISPOSITIF, EQUIPEMENT ET SUPPORT DE STOCKAGE**
[72] DUAN, TAO, CN
[72] WANG, FAN, CN
[72] LUO, YUE, CN
[72] CHEN, DONG, CN
[72] YU, WENHUA, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-08-17
[41] 2022-02-21
[30] CN (202010850146.0) 2020-08-21

[21] **3,128,563**
[13] A1
[25] EN
[54] **COMMODITY INFORMATION PUSHING METHOD, DEVICE AND SYSTEM**
[54] **METHODE, DISPOSITIF ET SYSTEME POUR FOURNIR DES RENSEIGNEMENTS DE PRODUITS**
[72] LIU, JIANGUO, CN
[72] LIU, YANHUI, CN
[72] WANG, CHENLONG, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-08-17
[41] 2022-02-20
[30] CN (202010842898.2) 2020-08-20

[21] **3,128,583**
[13] A1
[51] **Int.Cl. C02F 9/10 (2006.01) C02F 1/02 (2006.01) C02F 1/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WATER PURIFICATION**
[54] **SYSTEME ET METHODE DE PURIFICATION D'EAU**
[72] DAVIDSON, LEON JOHN, JR., US
[71] DAVIDSON, LEON JOHN, JR., US
[22] 2021-08-20
[41] 2022-02-20
[30] US (16/998,086) 2020-08-20
[30] US (17/155,153) 2021-01-22
[30] US (17/218,565) 2021-03-31

[21] **3,128,604**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING STEAM FOR A HYDROCARBON RECOVERY PROCESS**
[54] **PROCEDE DE PRODUCTION DE VAPEUR POUR UN PROCEDE DE RECUPERATION D'HYDROCARBURES**
[72] ST. AMANT, PAUL EDWARD, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-08-18
[41] 2022-02-26
[30] US (63/070,732) 2020-08-26

---

[21] **3,128,613**
[13] A1
[51] **Int.Cl. G06F 40/35 (2020.01)**
[25] EN
[54] **UTTERANCE RECOMMENDATION IN A CONVERSATIONAL ARTIFICIAL INTELLIGENCE PLATFORM**
[54] **RECOMMANDATION D'ENONCE DANS UNE PLATEFORME D'INTELLIGENCE ARTIFICIELLE DE CONVERSATION**
[72] SINGH BAWA, GURPREET, IN
[72] PAKIRA, KAUSTAV, IN
[72] CHAKRABORTY, SOUVIK, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2021-08-18
[41] 2022-02-26
[30] US (17/003,505) 2020-08-26

---

[21] **3,128,622**
[13] A1
[51] **Int.Cl. B66F 9/075 (2006.01) B65G 1/04 (2006.01) B65G 67/00 (2006.01)**
[25] EN
[54] **CHARGING VEHICLE FOR A STACK STORAGE ASSEMBLY**
[54] **VEHICULE DE CHARGEMENT POUR UN ASSEMBLAGE DE STOCKAGE EN PILE**
[72] CAVELIUS, JORG, DE
[72] BECKER, MICHAEL, DE
[72] LIEBHABER, MARKUS, DE
[72] MORAWIETZ, TIMM, DE
[71] JUNGHEINRICH AKTIENGESELLSCHAFT, DE
[22] 2021-08-18
[41] 2022-02-26
[30] EP (20192811.6) 2020-08-26

---

[21] **3,128,628**
[13] A1
[51] **Int.Cl. B60D 1/48 (2006.01) B60D 1/42 (2006.01)**
[25] EN
[54] **A SYSTEM & METHOD FOR CONNECTING TRAILER TOWING COMPONENTS**
[54] **SYSTEME ET METHODE POUR CONNECTER DES COMPOSANTES DE REMORQUAGE DE REMORQUE**
[72] REYES, ROBERT WARREN, US
[72] BRUNER, KEITH RAYMOND, US
[72] KNICK-KOPPENHOFER, BRICE MELVIN, US
[71] BIL-JAX, INC., US
[22] 2021-08-18
[41] 2022-02-21
[30] US (63/068,532) 2020-08-21

---

[21] **3,128,634**
[13] A1
[51] **Int.Cl. H05K 1/02 (2006.01) B25B 13/46 (2006.01) B25F 5/00 (2006.01)**
[25] EN
[54] **PCB WITH INTEGRATED SWITCHES**
[54] **CARTE DE CIRCUITS IMPRIMES A COMMUTATEURS INTEGRES**
[72] GENZ, JASON, US
[72] RAJZER, MICHAEL T., US
[72] BROUWERS, CRAIG, US
[72] BEER, JOSHUA M., US
[71] SNAP-ON INCORPORATED, US
[22] 2021-08-19
[41] 2022-02-26
[30] US (17/003,440) 2020-08-26

---

[21] **3,128,642**
[13] A1
[51] **Int.Cl. F16L 3/26 (2006.01) F16B 2/20 (2006.01) F16B 7/00 (2006.01)**
[25] EN
[54] **CABLE TRAY ASSEMBLY**
[54] **ASSEMBLAGE DE CHEMIN DE CABLES**
[72] KHAIRNAR, LALIT SUBHASH, IN
[72] JOHNSON, JACOB LEE, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2021-08-19
[41] 2022-02-20
[30] US (63/067976) 2020-08-20

---

[21] **3,128,648**
[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 9/10 (2006.01) A61K 9/72 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS AND METHODS FOR THE TREATMENT OF LUNG FIBROSIS**
[54] **NOUVELLES COMPOSITIONS ET METHODES DE TRAITEMENT DE LA FIBROSE PULMONAIRE**
[72] PISLARIU, RADU, CA
[72] KIANICKA, IRENEJ, CA
[71] LAURENT PHARMACEUTICALS INC., CA
[22] 2021-08-19
[41] 2022-02-25
[30] US (63/069,881) 2020-08-25

---

[21] **3,128,651**
[13] A1
[51] **Int.Cl. A47C 1/124 (2006.01) A47C 7/56 (2006.01)**
[25] EN
[54] **BALCONY MOUNTED CHAIR AND INTEGRAL RAIL SOCKET**
[54] **CHAISE DE BALCON ET PRISE DE RAIL INTEGREE**
[72] RICHMOND, PAUL-JACOB MICHAEL, US
[72] HARVIE, CHRISTIAN, US
[71] HUSSEY SEATING COMPANY, US
[22] 2021-08-19
[41] 2022-02-21
[30] US (63/068,443) 2020-08-21

---

[21] **3,128,659**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **PRESSURE BALANCED METER ASSEMBLY AND METHOD OF USE**
[54] **ASSEMBLAGE D'APPAREIL DE MESURE A PRESSION EQUILIBREE ET METHODE D'UTILISATION**
[72] MARO, RANDALL A., US
[71] DEERE & COMPANY, US
[22] 2021-08-19
[41] 2022-02-20
[30] US (63/067,938) 2020-08-20
[30] US (17/387,014) 2021-07-28

[21] **3,128,665**
[13] A1
[51] **Int.Cl. G01W 1/08 (2006.01)**
[25] EN
[54] **SENSOR ENHANCED REAL TIME AUTOMATIC PILOT REPORT (PIREP) GENERATION**
[54] **GENERATION DE COMPTE RENDU DE PILOTE (PIREP) AUTOMATIQUE EN TEMPS REEL AMELIOREE PAR CAPTEUR**
[72] KATZ, ARYEH, US
[71] ROCKWELL COLLINS, INC., US
[22] 2021-08-19
[41] 2022-02-24
[30] US (17/001,416) 2020-08-24

[21] **3,128,668**
[13] A1
[51] **Int.Cl. F42D 5/05 (2006.01)**
[25] EN
[54] **LOW DENSITY BLASTING MAT AND METHOD OF UTILZING SAME**
[54] **TAPIS DE SABLAGE ET METHODE D'UTILISATION**
[72] FITZGERALD, KEVIN JAMES, CA
[71] B2B INDUSTRIAL INC., CA
[22] 2021-08-20
[41] 2022-02-20
[30] US (63/067,914) 2020-08-20

[21] **3,128,681**
[13] A1
[51] **Int.Cl. E04D 7/00 (2006.01) C09D 153/00 (2006.01) C09K 3/10 (2006.01) E04D 1/36 (2006.01)**
[25] EN
[54] **ROOFING MATERIALS WITH IMPROVED LOW TEMPERATURE SEALANT PERFORMANCE AND METHODS OF MAKING THEREOF**
[54] **MATERIAUX DE COUVERTURE A RENDEMENT AMELIORE DE SCELLANT A BASSE TEMPERATURE ET METHODES DE FABRICATION**
[72] MERCADO, RAMIL MARCELO L., US
[72] KRAJCA, JAROD L., US
[72] SHIAO, MING-LIANG, US
[72] TIBAH, DENIS M., US
[72] BOSS, DANIEL E., US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2021-08-20
[41] 2022-02-21
[30] US (63/068,528) 2020-08-21

[21] **3,128,682**
[13] A1
[51] **Int.Cl. F01M 11/03 (2006.01) B01D 35/30 (2006.01) F01M 5/00 (2006.01)**
[25] EN
[54] **OIL FILTER ASSEMBLY**
[54] **ASSEMBLAGE DE FILTRE A HUILE**
[72] KELLY, ANDREW SETZ, US
[72] SODA, EVAN, US
[72] KOVACS, GABRIEL, US
[72] PISCH, ROBERT, US
[72] TRYSON, ERIC, US
[71] RB DISTRIBUTION, INC., US
[22] 2021-08-20
[41] 2022-02-21
[30] US (63/068,759) 2020-08-21
[30] US (17/406,639) 2021-08-19

[21] **3,128,684**
[13] A1
[51] **Int.Cl. A44B 11/00 (2006.01) B60P 7/08 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **TIE-DOWN DEVICE**
[54] **DISPOSITIF D'ATTACHE**
[72] CRETIKOS, DIMITRI, US
[71] CRETIKOS, DIMITRI, US
[22] 2021-08-19
[41] 2022-02-21
[30] US (17/000085) 2020-08-21

[21] **3,128,685**
[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01) H01R 24/38 (2011.01) H01R 13/52 (2006.01)**
[25] EN
[54] **CABLE CONNECTORS FOR USE DOWNHOLE**
[54] **CONNECTEURS DE CABLE A UTILISER EN FOND DE TROU**
[72] PART, DARREN, CA
[71] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC
[22] 2021-08-20
[41] 2022-02-21
[30] US (63/068,487) 2020-08-21

[21] **3,128,696**
[13] A1
[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01)**
[25] EN
[54] **BUCCAL DOSAGE FORMS COMPRISING OLIGOSACCHARIDES**
[54] **FORMES DE DOSAGE BUCCAL COMPRENANT DES OLIGOSIDES**
[72] ZHOU, QINGRU, CA
[72] DOIRON, JEREMIE ADRIEN, CA
[72] HARQUAIL, JASON MATHIEU, CA
[71] ORGANIGRAM INC., CA
[22] 2021-08-20
[41] 2022-02-21
[30] US (63/201,841) 2021-05-14
[30] US (63/068,545) 2020-08-21
[30] US (63/203,406) 2021-07-21

[21] **3,128,709**
[13] A1
[51] **Int.Cl. C10G 45/58 (2006.01) F27B 5/00 (2006.01) F27D 3/00 (2006.01) F27D 17/00 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR HEATING HYDROISOMERIZATION FEED**
[54] **APPAREIL ET PROCEDE POUR CHAUFFER UNE CHARGE D'HYDROISOMERISATION**
[72] LADKAT, KIRAN, US
[72] LUHARUKA, PALLAVI, US
[72] PETRI, JOHN A., US
[72] AYAR, YOGA R., US
[72] TENSINGH, ASHWIN SINGH, US
[71] UOP LLC, US
[22] 2021-08-20
[41] 2022-02-21
[30] IN (202011036102) 2020-08-21

[21] **3,128,717**
[13] A1
[25] EN
[54] **SELECTIVE AUTHENTICATION OF NETWORK DEVICES**
[54] **AUTHENTIFICATION SELECTIVE DE DISPOSITIFS RESEAU**
[72] TRENTINI, MICHAEL, US
[72] GAD, MAHMOUD, US
[71] CYBERLUCENT, INC., US
[22] 2021-08-23
[41] 2022-02-21
[30] US (63/068,953) 2020-08-21

[21] **3,128,740**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 22/00 (2006.01) A63B 67/14 (2006.01) A63B 37/00 (2006.01) A63B 43/00 (2006.01) G01B 11/00 (2006.01) G01B 21/00 (2006.01) G01S 13/74 (2006.01)**
[25] EN
[54] **ADVANCED SYSTEM FOR PHYSICAL CONDITIONING AND SPORTS TRAINING**
[54] **SYSTEME AVANCE DE CONDITIONNEMENT PHYSIQUE ET DE FORMATION SPORTIVE**
[72] THERIAULT, JONATHAN, CA
[72] BRUN, PAUL, CA
[72] BIDDINGTON, AARON, CA
[71] HOCKEYSHOT INC., CA
[22] 2021-08-23
[41] 2022-02-21
[30] US (63/068,699) 2020-08-21

---

[21] **3,128,741**
[13] A1
[51] **Int.Cl. E06B 3/88 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **TRAFFIC DOOR WITH EDGE TRIM AND METHOD OF ASSEMBLING SAME**
[54] **PORTE BATTANTE AVEC BORDURE ET METHODE D'ASSEMBLAGE**
[72] CLARK, ROBERT J., US
[71] PHOENIX DOOR SYSTEMS LLC, US
[22] 2021-08-23
[41] 2022-02-24
[30] US (63/069,425) 2020-08-24

---

[21] **3,128,757**
[13] A1
[51] **Int.Cl. G01N 11/02 (2006.01) E21B 47/07 (2012.01) E21B 49/08 (2006.01) G01F 1/84 (2006.01) G01F 1/74 (2006.01)**
[25] EN
[54] **MASS LIQUID FLUIDITY METER AND PROCESS FOR DETERMINING WATER CUT IN HYDROCARBON AND WATER EMULSIONS**
[54] **APPAREIL DE MESURE DE LA FLUIDITE DE LIQUIDE DE MASSE ET PROCEDE DE DETERMINATION DE LA TENEUR EN EAU DANS LES HYDROCARBURES ET LES EMULSIONS D'EAU**
[72] FLYNN, MARK LAWRENCE, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-08-23
[41] 2022-02-24
[30] US (63/069,541) 2020-08-24

---

[21] **3,128,759**
[13] A1
[51] **Int.Cl. B61L 23/34 (2006.01)**
[25] EN
[54] **PREVENTION OF COLLISION BETWEEN TRAINS**
[54] **PREVENTION DES COLLISIONS ENTRE LES TRAINS**
[72] PIPARSANIYA, HARSH, IN
[71] SIEMENS MOBILITY, INC., US
[22] 2021-08-23
[41] 2022-02-24
[30] IN (202011036380) 2020-08-24

---

[21] **3,128,762**
[13] A1
[51] **Int.Cl. G07B 15/02 (2011.01)**
[25] EN
[54] **PRODUCT-BASED FARE CAPPING**
[54] **LIMITE DE DROITS DE TRANSPORT EN FONCTION DU PRODUIT**
[72] SCHRAUTH, STEPHANIE, US
[72] IHM, NICHOLAS, US
[72] ARORA, VISHAL, US
[72] YARANAL, SHASHIDHAR, US
[72] ROY, RAM, US
[72] MAHANSARIA, JYOTI, US
[72] BASU, SUMIT, US
[72] COSTA, ANDREA, US
[72] LEE, CHRISTINA, US
[71] BYTEMARK INC., US
[22] 2021-08-23
[41] 2022-02-25
[30] US (63/070,100) 2020-08-25
[30] US (17/016,495) 2020-09-10

---

[21] **3,128,772**
[13] A1
[51] **Int.Cl. E04H 17/22 (2006.01) E04H 12/22 (2006.01)**
[25] EN
[54] **POST ANCHOR**
[54] **ANCRAGE DE POTEAU**
[72] MILANOWSKI, DANIEL JAMES, US
[72] KOZAL, JOHN PATRICK, US
[71] UNIVERSAL FOREST PRODUCTS, INC., US
[22] 2021-08-23
[41] 2022-02-24
[30] US (63/069,249) 2020-08-24
[30] US (17/401,499) 2021-08-13

[21] **3,128,779**
[13] A1
[51] **Int.Cl. G07C 9/22 (2020.01) H04W 4/80 (2018.01) G06K 7/10 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THRUPASS SYSTEM FOR MULTI-SENSOR GATEWAY SYSTEM**
[54] **SYSTEME ET METHODE POUR UN SYSTEME THRUPASS POUR UN SYSTEME DE PASSERELLE MULTICAPTEUR**
[72] DEMITRI, NEVINE, CA
[72] LASNIER, JEANAULT, CA
[72] RICE, PAUL, CA
[72] NAEEM, FARHAN, CA
[72] DEMITRI, NEVINE, CA
[71] PATRIOTONE TECHNOLOGIES, CA
[22] 2021-08-20
[41] 2022-02-20
[30] US (63/068,366) 2020-08-20

[21] **3,128,782**
[13] A1
[51] **Int.Cl. G01N 17/00 (2006.01) G01M 3/38 (2006.01) H05K 5/02 (2006.01) G01K 11/3206 (2021.01) G01B 11/16 (2006.01)**
[25] EN
[54] **HAZARDOUS LOCATION ELECTRICAL ENCLOSURE CORROSION MONITORING SYSTEM, ASSEMBLY AND METHOD**
[54] **SYSTEME DE SURVEILLANCE DE LA CORROSION D'UNE ENCEINTE ELECTRIQUE EN EMPLACEMENT DANGEREUX, ASSEMBLAGE ET METHODE**
[72] KUMAR, SHUBHAM, IN
[72] PANDEY, VIKAS, IN
[72] DECARR, GRAIG E., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2021-08-23
[41] 2022-02-24
[30] US (63/069359) 2020-08-24

[21] **3,128,788**
[13] A1
[51] **Int.Cl. B65D 81/26 (2006.01) B01D 53/02 (2006.01)**
[25] EN
[54] **CONTAINER WITH AN OXYGEN ABSORBER**
[54] **CONTENANT AVEC ABSORBEUR D'OXYGENE**
[72] BLANKENHORN, BENJAMIN EDWARD, US
[71] DESICCARE, INC., US
[22] 2021-08-23
[41] 2022-02-21
[30] US (17/000013) 2020-08-21

[21] **3,128,798**
[13] A1
[51] **Int.Cl. E04C 2/40 (2006.01) E04F 13/10 (2006.01) E04F 15/04 (2006.01)**
[25] EN
[54] **TONGUE-AND-GROOVE PANEL FOR IMPROVED INTERPANEL FIT**
[54] **PANNEAU A RAINURE ET LANGUETTE POUR UN AJUSTEMENT INTERPANNEAU AMELIORE**
[72] ROMANS, TIMOTHY WILLIAM, US
[72] PU, JIANHUA, US
[72] TOLAR, JASON COREY, US
[72] FLOTKOETTER, BRENT LAWRENCE, US
[71] HUBER ENGINEERED WOODS LLC, US
[22] 2021-08-24
[41] 2022-02-24
[30] US (63/069,376) 2020-08-24
[30] US (17/408,627) 2021-08-23

[21] **3,128,803**
[13] A1
[25] EN
[54] **MESSAGE CONVERSION METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE CONVERSION DE MESSAGE, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] WANG, SHUTANG, CN
[72] XU, MEILAN, CN
[72] YANG, JING, CN
[72] SONG, GANLIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-08-24
[41] 2022-02-24
[30] CN (202010859745.9) 2020-08-24

[21] **3,128,806**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G16H 40/20 (2018.01) G06F 1/32 (2019.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR ASSET TRACKING**
[54] **SYSTEMES, METHODES ET DISPOSITIFS DE SUIVI DES BIENS**
[72] FISCHER, DANIEL MICHAEL, CA
[71] TECHNOLOGY TRACE INC., CA
[22] 2021-08-24
[41] 2022-02-24
[30] US (63/069,450) 2020-08-24

[21] **3,128,811**
[13] A1
[51] **Int.Cl. B08B 7/04 (2006.01) A61L 2/07 (2006.01) A61L 2/18 (2006.01) A61L 2/28 (2006.01) B08B 3/02 (2006.01) B08B 3/08 (2006.01) B08B 3/10 (2006.01) B08B 6/00 (2006.01)**
[25] EN
[54] **CLEANING PROCESS AND SYSTEM FOR PERFORMIMG THE SAME**
[54] **PROCEDE DE NETTOYAGE ET SYSTEME DE REALISATION**
[72] MARTIN, RICHARD, CA
[72] MARTIN, LUC, CA
[72] GRANT, MELISSA, CA
[71] DYNAMO INDUSTRIES, INC., CA
[22] 2021-08-23
[41] 2022-02-24
[30] US (63/069,640) 2020-08-24

[21] **3,128,813**
[13] A1
[51] **Int.Cl. B60P 1/44 (2006.01)**
[25] EN
[54] **TRI-FOLD TUCK UNDER LIFTGATE**
[54] **HAYON RENTRE A TRIPLE PLI**
[72] MILLER, RONALD C., US
[71] ANTHONY LIFTGATES, INC., US
[22] 2021-08-24
[41] 2022-02-24
[30] US (63/069,510) 2020-08-24

[21] **3,128,827**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01)**
[25] EN
[54] **BED COVERING SYSTEM**
[54] **SYSTEME DE COUVERTURE DE LIT**
[72] RAHMANI, ALI, CA
[72] RAHMANI, PATRICIA, CA
[71] RAHMANI, ALI, CA
[71] RAHMANI, PATRICIA, CA
[22] 2021-08-24
[41] 2022-02-24
[30] US (17/000,560) 2020-08-24

---

[21] **3,128,829**
[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65D 21/00 (2006.01) B65D 77/04 (2006.01)**
[25] EN
[54] **STACK STORAGE ASSEMBLY**
[54] **ASSEMBLAGE DE STOCKAGE EN PILE**
[72] BECKER, MICHAEL, DE
[72] CAVELIUS, JORG, DE
[72] LIEBHABER, MARKUS, DE
[72] MORAWIETZ, TIMM, DE
[71] JUNGHEINRICH AKTIENGESELLSCHAFT, DE
[22] 2021-08-24
[41] 2022-02-26
[30] EP (20192798.5) 2020-08-26

---

[21] **3,128,832**
[13] A1
[51] **Int.Cl. G01G 23/18 (2006.01) G01G 19/14 (2006.01) G01G 23/01 (2006.01)**
[25] EN
[54] **COMMUNICATING WEIGHT SENSOR UNITS AND TECHNIQUES FOR USING SAME**
[54] **UNITES DE CAPTEUR DE MASSE EN COMMUNICATION ET TECHNIQUES D'UTILISATION**
[72] HENRY, DEAN CHARLES, GB
[71] INVENTOR-E LTD., GB
[22] 2021-08-24
[41] 2022-02-24
[30] GB (2013225.4) 2020-08-24

---

[21] **3,128,838**
[13] A1
[51] **Int.Cl. A01D 82/00 (2006.01) A01D 45/00 (2018.01) D01B 1/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DECORTICATING PLANT STALKS**
[54] **METHODE ET APPAREIL POUR DECORER DES TIGES DE PLANTE**
[72] BEAVEN, DAVID, CA
[71] BEAVEN, DAVID, CA
[22] 2021-08-24
[41] 2022-02-24
[30] CA (3,090,976) 2020-08-24

---

[21] **3,128,848**
[13] A1
[51] **Int.Cl. G21F 9/02 (2006.01) G21F 9/08 (2006.01)**
[25] EN
[54] **A METHOD OF TREATING RADIOACTIVE WASTE RESIN AND AN EQUIPMENT THEREFOR**
[54] **METHODE DE TRAITEMENT DE RESINE DE DECHETS RADIOACTIFS ET MATERIEL CONNEXE**
[72] LEE, KI RAK, KR
[72] PARK, HWAN SEO, KR
[72] PARK, GEUN II, KR
[72] AHN, HONG JOO, KR
[72] CHOI, JUNG HOON, KR
[72] KANG, HYUN WOO, KR
[72] KIM, IN TAE, KR
[71] KOREA ATOMIC ENERGY RESEARCH INSTITUTE, KR
[22] 2021-08-24
[41] 2022-02-25
[30] KR (10-2020-0107392) 2020-08-25
[30] KR (10-2021-0090575) 2021-07-09

---

[21] **3,128,854**
[13] A1
[51] **Int.Cl. B65G 57/00 (2006.01)**
[25] EN
[54] **MODULAR SINGLE-FORK LUMBER STACKING MACHINE**
[54] **MACHINE A EMPILER LE BOIS A FOURCHETTE UNIQUE MODULAIRE**
[72] ACUFF, LINDSAY SIMS, IV, US
[72] ACUFF, LINDSAY SIMS, III, US
[71] WOODFLOW LLC, US
[22] 2021-08-25
[41] 2022-02-25
[30] US (63/070,226) 2020-08-25

---

[21] **3,128,916**
[13] A1
[51] **Int.Cl. B21D 39/03 (2006.01)**
[25] EN
[54] **ADJUSTABLE JOINING MACHINE**
[54] **MACHINE DE RACCORD AJUSTABLE**
[72] JANISZEWSKI, JOSEPH ANDREW, US
[71] BTM COMPANY LLC, US
[22] 2021-08-25
[41] 2022-02-25
[30] US (17/002,375) 2020-08-25

---

[21] **3,128,926**
[13] A1
[51] **Int.Cl. F03G 1/02 (2006.01) C22C 1/00 (2006.01) C22C 14/00 (2006.01) C22C 19/03 (2006.01) F03G 7/06 (2006.01) H01R 4/01 (2006.01) H01R 4/18 (2006.01) H02N 11/00 (2006.01)**
[25] EN
[54] **SHAPE MEMORY ACTUATOR AND METHOD FOR MAKING SAME**
[54] **ACTIONNEUR A MEMOIRE DE FORME ET METHODE DE FABRICATION**
[72] YANG, DAVID, CA
[72] SINGH, JAIDEEP, CA
[72] TANG, SIU KEI, CA
[72] LI, JAK, CA
[72] KIRCHNER, ALANNA, CA
[72] KHAN, IBRAHEM, CA
[72] KUNTZ, MICHAEL, CA
[71] SMARTER ALLOYS INC., CA
[22] 2021-08-25
[41] 2022-02-25
[30] US (63/070,029) 2020-08-25

[21] **3,128,985**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **COMMODITY COMBINATION PACKAGE GENERATION METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE PRODUCTION D'EMBALLAGE COMBINE DE BIEN, MATERIEL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] WANG, ZHEN, CN
[72] DAI, XIAOLEI, CN
[72] ZHAO, ZIYU, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-08-26
[41] 2022-02-26
[30] CN (202010867658.8) 2020-08-26

[21] **3,128,996**
[13] A1
[51] **Int.Cl. B25B 27/28 (2006.01) F16B 4/00 (2006.01) F16C 35/02 (2006.01) F16C 43/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INSERTING AND REMOVING BUSHING ASSEMBLIES**
[54] **SYSTEMES ET METHODES POUR L'INSERTION ET LE RETRAIT D'ASSEMBLAGES DE BAGUES**
[72] ANDREWS, MICHAEL, CA
[71] TIGER TOOL INTERNATIONAL LIMITED, CA
[22] 2021-08-26
[41] 2022-02-26
[30] US (63/070,759) 2020-08-26
[30] US (63/163,627) 2021-03-19
[30] US (17/199,133) 2021-03-11
[30] US (17/412,826) 2021-08-26

[21] **3,128,997**
[13] A1
[51] **Int.Cl. H04W 4/40 (2018.01) G06Q 30/02 (2012.01) G01M 15/04 (2006.01) G01M 17/007 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VEHICLE-SPECIFIC INSPECTION AND RECONDITIONING**
[54] **SYSTEME ET METHODE D'INSPECTION ET DE RECONDITIONNEMENT PROPRE A UN VEHICULE**
[72] SINGH, SHUCHI, US
[72] HOUSEWORTH, JASON, US
[71] BACKLOTCARS, INC., US
[22] 2021-08-26
[41] 2022-02-26
[30] US (63/070,477) 2020-08-26

[21] **3,135,008**
[13] A1
[51] **Int.Cl. B66F 9/075 (2006.01) B65G 1/137 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **AUTOMATIC GUIDED VEHICLE**
[54] **VEHICULE A GUIDAGE AUTOMATIQUE**
[72] DEL MORAL PINA, CHRISTIAN DANIEL, MX
[72] HERNANDEZ MENDOZA, JESUS EMMANUEL, MX
[72] RAMIREZ FLORES, EMILIO, MX
[72] FUENTES, ALEJANDRA DEL CARMEN, MX
[72] DIAZ RODRIGUEZ, KEVIN ALEJANDRO, MX
[72] GUZMAN RAMIREZ, EDGAR, MX
[72] GARDUNO NAVA, JULIO JORDAN, MX
[72] VAZQUEZ GOMEZ, JUAN CARLOS, MX
[72] GARCIA OSNAYA, JUAN MANUEL, MX
[72] MORALES SUAREZ, CARLOS ALBERTO, MX
[71] GRUPO BIMBO, S.A.B. DE C.V., MX
[22] 2021-08-24
[41] 2022-02-25
[30] MX (MX/A/2020/008872) 2020-08-25

[21] **3,135,427**
[13] A1
[51] **Int.Cl. B05B 17/06 (2006.01)**
[25] EN
[54] **FOCUSED ULTRASONIC ATOMIZER**
[54] **PULVERISATEUR ULTRASONIQUE CIBLE**
[72] LEE, LEANDER, US
[71] BLOOMY LOTUS LIMITED, HK
[22] 2021-10-22
[41] 2022-02-24
[30] US (17/000,706) 2020-08-24

[21] **3,140,354**
[13] A1
[51] **Int.Cl. A63B 69/34 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **A TOOL FOR MARTIAL ARTS TRAINING**
[54] **OUTIL POUR L'ENTRAINEMENT AUX ARTS MARTIAUX**
[72] BOURASSA-FULOP, PATRICK, CA
[71] EFFECTIVE MARTIAL ARTS (9303-3017 QUEBEC INC.), CA
[22] 2021-11-24
[41] 2022-02-24

[21] **3,144,064**
[13] A1
[51] **Int.Cl. A47C 7/42 (2006.01) A47C 16/00 (2006.01) A61F 5/01 (2006.01)**
[25] EN
[54] **BACKPAIN RELIEVE SITTING DEVICES**
[54] **DISPOSITIFS DE SIEGE POUR ATTENUER LES MAUX DE DOS**
[72] BOSCHETTO, SCOTT A., US
[71] BACK WORKS LLC, US
[22] 2021-12-25
[41] 2022-02-21
[30] US (17/134,480) 2020-12-27

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,126,399**
[13] A1
[51] **Int.Cl. H02H 11/00 (2006.01) B60L 15/00 (2006.01) H02J 13/00 (2006.01) H03K 17/56 (2006.01) H05K 10/00 (2006.01)**
[25] EN
[54] **STARTING SYSTEM AND ELECTRIC VEHICLE**
[54] **SYSTEME DE DEMARRAGE ET VEHICULE ELECTRIQUE**
[72] LEI, YUN, CN
[72] WU, JIANMENG, CN
[72] QUAN, HEQING, CN
[71] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN
[85] 2021-07-28
[86] 2020-11-20 (PCT/CN2020/130475)
[87] (3126399)
[30] CN (202021802101.8) 2020-08-25
[30] CN (202010868870.6) 2020-08-25

---

[21] **3,126,403**
[13] A1
[51] **Int.Cl. H01R 11/30 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **CONDUCTIVE TERMINAL, CONNECTOR, CHARGER, AND EMERGENCY STARTING POWER SUPPLY**
[54] **TERMINAL CONDUCTEUR, CONNECTEUR, CHARGEUR ET ALIMENTATION ELECTRIQUE DE SECOURS POUR LE DEMARRAGE**
[72] LEI, YUN, CN
[72] HU, YIDAN, CN
[72] WANG, QUN, CN
[71] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN
[85] 2021-07-28
[86] 2020-08-24 (PCT/CN2020/110799)
[87] (3126403)

---

[21] **3,129,122**
[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01) G01M 11/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MEASURING FAR-FIELD LUMINOUS INTENSITY AND COLOR CHARACTERISTICS OF LIGHT SOURCES**
[54] **APPAREIL ET METHODE POUR MESURER UNE INTENSITE LUMINEUSE EN CHAMP LOINTAIN ET LES CARACTERISTIQUES DE COULEUR DES SOURCES LUMINEUSES**
[72] PISCITELLI, MICHAEL, US
[71] PISCITELLI, MICHAEL, US
[85] 2021-08-25
[86] 2021-04-16 (PCT/US2021/027594)
[87] (3129122)
[30] US (63/069,872) 2020-08-25
[30] US (17/171,458) 2021-02-09

---

[21] **3,131,844**
[13] A1
[51] **Int.Cl. A01G 31/00 (2018.01) A01G 9/14 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **MODULAR HEXAGONAL ENCLOSURE AND COUPLING APPARATUS THEREFOR**
[54] **ENCEINTE HEXAGONALE MODULAIRE ET APPAREIL DE COUPLAGE POUR CELLE-CI**
[72] SHANMUGANATHAN, SUGEEVAN, CA
[71] THE DUNYA PROJECT INC., CA
[85] 2021-08-27
[86] 2020-03-21 (PCT/IB2020/052658)
[87] (WO2020/194161)
[30] US (62/823,934) 2019-03-26

---

[21] **3,132,600**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING ATOPIC DISEASE CONTAINING AKKERMANSIA MUCINIPHILA STRAIN**
[54] **COMPOSITION PHARMACEUTIQUE POUR PREVENIR OU TRAITER UNE MALADIE ATOPIQUECONTENANT UNE SOUCHE D'AKKERMANSIA MUCINIPHILA**
[72] SOE, JAE-GU, KR
[72] SHIN, JOO-HYUN, KR
[72] LEE, DOKYUNG, KR
[72] LEE, YOONMI, KR
[72] JANG, SEO YUL, KR
[72] BYEON, HYE RIM, KR
[71] ENTEROBIOME INC., KR
[85] 2021-09-30
[86] 2021-02-26 (PCT/KR2021/002432)
[87] (3132600)
[30] KR (10-2020-0107617) 2020-08-26

---

[21] **3,132,654**
[13] A1
[51] **Int.Cl. F21V 29/70 (2015.01) F21V 29/74 (2015.01) F21V 29/89 (2015.01) A01G 9/20 (2006.01)**
[25] EN
[54] **HEAT SINK FOR LIGHT FIXTURE FOR INDOOR GROW APPLICATION**
[54] **DISSIPATEUR DE CHALEUR POUR UN APPAREIL D'ECLAIRAGE AUX FINS D'UNE APPLICATION DE CROISSANCE A L'INTERIEUR**
[72] CAI, DENGKE, US
[71] HGCI, INC., US
[85] 2021-09-30
[86] 2021-05-13 (PCT/US2021/032161)
[87] (3132654)
[30] US (17/098,321) 2020-11-13
[30] US (63/118,982) 2020-11-30

[21] **3,133,396**
[13] A1
[51] **Int.Cl. G02F 1/1333 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **MULTIVIEW DISPLAY ALIGNMENT METHOD AND SYSTEM**
[54] **SYSTEME ET PROCEDE D'ALIGNEMENT D'AFFICHAGE MULTIVUES**
[72] HOEKMAN, THOMAS, US
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2021-09-03
[86] 2020-04-02 (PCT/US2020/026430)
[87] (WO2020/206151)
[30] US (62/828,398) 2019-04-02

[21] **3,133,530**
[13] A1
[51] **Int.Cl. G07F 17/00 (2006.01) G06Q 30/06 (2012.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SHARED CHARGING CABINET AND EJECTING CONTROL METHOD THEREOF**
[54] **CHARGEUR PARTAGE ET METHODE DE CONTROLE D'EJECTION CONNEXE**
[72] LEI, YUN, CN
[72] ZHANG, ZHIFENG, CN
[72] ZHANG, BING, CN
[71] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN
[85] 2021-10-07
[86] 2020-08-21 (PCT/CN2020/110458)
[87] (WO2022/036675)

[21] **3,135,123**
[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01)**
[25] EN
[54] **UNSTEADY SEEPAGE SIMULATION METHOD AND SYSTEM OF NATURAL GAS RESERVOIR**
[54] **SYSTEME ET METHODE DE SIMULATION DE SUINTEMENT INSTABLE DU RESERVOIR DE GAZ NATUREL**
[72] WANG, MENG, CN
[72] YANG, XIN, CN
[72] TANG, YANBING, CN
[72] XU, DANIAN, CN
[72] LU, FAWEI, CN
[72] ZHANG, ZHIQIANG, CN
[72] LIU, HAIBO, CN
[72] LIU , ZHIJIE, CN
[72] DONG, YU, CN
[72] LI, MIN, CN
[71] CHINA OILFIELD SERVICES LIMITED, CN
[85] 2021-10-20
[86] 2021-01-19 (PCT/CN2021/072641)
[87] (3135123)
[30] CN (202010862944.5) 2020-08-25

[21] **3,136,870**
[13] A1
[51] **Int.Cl. G10L 21/0272 (2013.01) G10L 25/30 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING A DEEP FILTER**
[54] **PROCEDE ET APPAREIL PERMETTANT DE DETERMINER UN FILTRE PROFOND**
[72] HABETS, EMANUEL, DE
[72] MACK, WOLFGANG, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-10-14
[86] 2020-04-15 (PCT/EP2020/060586)
[87] (WO2020/212419)
[30] EP (19169585.7) 2019-04-16

[21] **3,137,870**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/517 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 17/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SMALL MOLECULE BROMODOMAIN INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE BROMODOMAINES A PETITES MOLECULES ET LEURS UTILISATIONS**
[72] YOSHIOKA, MAKOTO, US
[72] YANG, SHYH-MING, US
[71] CONVERGENE, LLC, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES OFFICE OF TECHNOLOGY TRANSFER, NIH, US
[85] 2021-10-22
[86] 2020-03-11 (PCT/US2020/022072)
[87] (WO2020/219168)
[30] US (62/838,083) 2019-04-24

[21] **3,139,158**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/45 (2014.01) A63F 13/47 (2014.01) A63F 13/55 (2014.01) A63F 13/80 (2014.01)**
[25] EN
[54] **REGULATED CASINO GAMES, MEHTODSAND COMPUTING DEVICES CONFIGURED TO ENABLE NON-WAGERING ACTIONS TO ENABLE OR INFLUENCE LATER-OCCURING WAGERS**
[54] **JEUX DE CASINO REGULES, PROCEDES ET DISPOSITIFS DE CALCUL CONCUS POUR PERMETTRE DES ACTIONS SANS PARI AFIN DE PERMETTRE OU D'INFLUENCER DES PARIS INTERVENANT ULTERIEUREMENT**
[72] OBERBERGER, MICHAEL M., US
[71] SYNERGY BLUE, LLC, US
[85] 2021-11-03
[86] 2020-07-29 (PCT/US2020/044098)
[87] (WO2021/021952)
[30] US (16/525,261) 2019-07-29

[21] **3,141,369**
[13] A1
[51] **Int.Cl. B60N 2/879 (2018.01) B64D 11/00 (2006.01)**
[25] FR
[54] **SUPPORT FOR CONNECTING A SEAT TO A COMMUNICATION NETWORK**
[54] **SUPPORT POUR CONNECTER UN SIEGE A UN RESEAU DE COMMUNICATION**
[72] PUERTOLAS, BASTIEN, FR
[72] PISANU, JEREMY, FR
[71] LATELEC, FR
[85] 2021-12-10
[86] 2020-06-10 (PCT/EP2020/066037)
[87] (WO2020/249592)
[30] FR (FR1906362) 2019-06-14

[21] **3,143,255**
[13] A1
[51] **Int.Cl. A61B 8/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A BRAIN ACOUSTIC RESONANCE INTRACRANIAL PRESSURE MONITOR**
[54] **SYSTEMES ET PROCEDES POUR UN DISPOSITIF DE SURVEILLANCE DE PRESSION INTRACRANIENNE PAR RESONANCE ACOUSTIQUE DU CERVEAU**
[72] MOGHADAMFALAHI, MOHAMMAD, US
[72] FIROUZI, KAMYAR, US
[72] KABRAMS, ERIC, US
[71] LIMINAL SCIENCES, INC., US
[85] 2021-12-09
[86] 2020-07-02 (PCT/US2020/040719)
[87] (WO2021/003402)
[30] US (62/870,562) 2019-07-03
[30] US (62/870,547) 2019-07-03
[30] US (62/870,579) 2019-07-03
[30] US (62/870,555) 2019-07-03
[30] US (62/870,569) 2019-07-03
[30] US (62/870,590) 2019-07-03

[21] **3,143,384**
[13] A1
[51] **Int.Cl. B01D 11/02 (2006.01)**
[25] EN
[54] **PROCEDURE FOR LEACHING VALUABLE ELEMENTS FROM METALLURGICAL RESIDUES**
[54] **PROCEDURE DE LIXIVIATION D'ELEMENTS PRECIEUX DE RESIDUS METALLURGIQUES**
[72] ACUNA GOYCOLEA, MARCELO GUSTAVO, CL
[72] PEZOA CONTE, RICARDO MIGUEL, CL
[71] ECOMETALES LIMITED, CL
[85] 2022-01-27
[86] 2020-07-22 (PCT/IB2020/056894)
[87] (WO2022/018489)

[21] **3,143,954**
[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01)**
[25] FR
[54] **DEVICE FOR DETECTING OPTICAL PULSES**
[54] **DISPOSITIF DE DETECTION D'IMPULSIONS OPTIQUES**
[72] PERRUCHOT, LUDOVIC, FR
[72] MIDAVAINE, THIERRY, FR
[72] BLOOM, GUILLAUME, FR
[72] ACHART, JEROME, FR
[72] THILLOT, MARC, FR
[72] PERROT, TUGDUAL, FR
[72] LIGERET, VINCENT, FR
[71] THALES, FR
[85] 2022-01-13
[86] 2020-07-13 (PCT/EP2020/069754)
[87] (WO2021/009122)
[30] FR (19 07909) 2019-07-15

[21] **3,143,974**
[13] A1
[51] **Int.Cl. A01G 7/04 (2006.01) A01G 20/30 (2018.01)**
[25] FR
[54] **DEVICE FOR IMPROVING THE YIELD AND QUALITY OF PLANTS BY EXPOSURE TO UV, ASSOCIATED METHOD AND USES**
[54] **DISPOSITIF POUR L'AMELIORATION DU RENDEMENT ET DE LA QUALITE DES VEGETAUX PAR EXPOSITION AUX UVS, PROCEDE ET UTILISATIONS ASSOCIEES**
[72] URBAN, LAURENT, FR
[72] AARROUF, JAWAD, FR
[72] MATTON, YVES, FR
[72] LEDERMANN, LOIC, FR
[72] GONCALVES, HUGO, FR
[71] UV BOOSTING, FR
[71] AVIGNON UNIVERSITE, FR
[85] 2022-01-13
[86] 2020-07-10 (PCT/EP2020/069480)
[87] (WO2021/013578)
[30] FR (FR1908196) 2019-07-19

[21] **3,144,145**
[13] A1
[51] **Int.Cl. A01K 11/00 (2006.01) H04W 4/021 (2018.01) H04W 4/024 (2018.01) A01K 15/00 (2006.01) A01K 15/02 (2006.01) A01K 27/00 (2006.01)**
[25] EN
[54] **CORRECTIVE COLLAR UTILIZING GEOLOCATION TECHNOLOGY**
[54] **COLLIER DE CORRECTION UTILISANT LA TECHNOLOGIE DE GEOLOCALISATION**
[72] EHRMAN, KENNETH SCOTT, US
[72] EHRMAN, MICHAEL, US
[71] PROTECT ANIMALS WITH SATELLITES, LLC, US
[85] 2022-01-14
[86] 2020-08-17 (PCT/US2020/046653)
[87] (WO2021/030798)
[30] US (62/887,240) 2019-08-15

[21] **3,144,146**
[13] A1
[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **A DEVICE AND A METHOD FOR MONITORING A TREATMENT OF A BODY PART OF A PATIENT WITH PARTICLES**
[54] **DISPOSITIF ET METHODE DE SURVEILLANCE D'UN TRAITEMENT D'UNE PARTIE DU CORPS D'UN PATIENT AVEC DES PARTICULES**
[72] SECO, JOAO, DE
[72] DAL BELLO, RICCARDO, DE
[72] MARTINS, PAULO JORGE MAGALHAES, PT
[71] PHYSIBOTICS, LDA., PT
[85] 2022-01-14
[86] 2020-07-16 (PCT/EP2020/070128)
[87] (WO2021/009281)
[30] EP (19186728.2) 2019-07-17

[21] **3,144,148**
[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/00 (2006.01)**
[25] EN
[54] **IMPROVED OCULAR ABERROMETRY RECOVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION AMELIOREE PAR ABERROMETRIE OCULAIRE**
[72] HALL, MAX, US
[72] PADRICK, THOMAS, US
[72] SARVER, EDWIN JAY, US
[71] ALCON INC., CH
[85] 2022-01-14
[86] 2020-09-25 (PCT/IB2020/059022)
[87] (WO2021/064539)
[30] US (62/908,564) 2019-09-30

[21] **3,144,149**
[13] A1
[51] **Int.Cl. B65G 63/00 (2006.01) B65G 67/60 (2006.01) B66C 17/20 (2006.01)**
[25] EN
[54] **CONTAINER TERMINAL**
[54] **TERMINAL DE CONTENEURS**
[72] SCHWEIZER, THOMAS, CH
[71] SCHWEIZER, THOMAS, CH
[85] 2022-01-14
[86] 2019-07-24 (PCT/CH2019/050015)
[87] (WO2020/024069)
[30] CH (952/18) 2018-08-03

[21] **3,144,150**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING SOFTWARE TELEPHONES**
[54] **SYSTEMES ET PROCEDES DE GESTION DE TELEPHONES LOGICIELS**
[72] ARUTYUNYAN, BELLA, US
[72] ALTER, AARON, US
[71] SERVICETITAN, INC., US
[85] 2022-01-14
[86] 2020-07-15 (PCT/US2020/042173)
[87] (WO2021/011682)
[30] US (62/874,048) 2019-07-15

[21] **3,144,153**
[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **DRY EYE MITIGATION FOR OCULAR ABERROMETRY SYSTEMS AND METHODS**
[54] **ATTENUATION DE SECHERESSE OCULAIRE POUR SYSTEMES ET PROCEDES D'ABERROMETRIE OCULAIRE**
[72] HALL, MAX, US
[72] PADRICK, THOMAS, US
[72] SARVER, EDWIN JAY, US
[71] ALCON INC., CH
[85] 2022-01-14
[86] 2020-09-25 (PCT/IB2020/059020)
[87] (WO2021/064538)
[30] US (62/908,584) 2019-09-30

[21] **3,144,154**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **MEDICAL USES, METHODS AND USES**
[54] **UTILISATIONS MEDICALES, METHODES ET UTILISATIONS**
[72] AOUADI, MYRIAM, SE
[72] AZZIMATO, VALERIO, SE
[71] AOUADI, MYRIAM, SE
[71] AZZIMATO, VALERIO, SE
[85] 2022-01-14
[86] 2020-07-17 (PCT/EP2020/070330)
[87] (WO2021/009363)
[30] GB (1910299.5) 2019-07-18

[21] **3,144,159**
[13] A1
[51] **Int.Cl. B22C 3/00 (2006.01) B22C 1/00 (2006.01) B22C 1/02 (2006.01) B22C 1/08 (2006.01) B22C 1/16 (2006.01) B22C 1/18 (2006.01) B22C 9/00 (2006.01)**
[25] EN
[54] **MULLITE SHELL SYSTEMS FOR INVESTMENT CASTINGS AND METHODS FOR MAKING SAME**
[54] **SYSTEMES DE COQUE DE MULLITE POUR MOULAGES A LA CIRE PERDUE ET PROCEDES DE FABRICATION ASSOCIES**
[72] JANSON, RAY, US
[72] CANFIELD, RYAN, US
[71] CARBO CERAMICS INC., US
[85] 2022-01-14
[86] 2020-07-15 (PCT/US2020/042091)
[87] (WO2021/011624)
[30] US (62/874,223) 2019-07-15

[21] **3,144,161**
[13] A1
[51] **Int.Cl. A61C 1/00 (2006.01) A61C 19/06 (2006.01) A61N 5/06 (2006.01) H01S 3/16 (2006.01)**
[25] EN
[54] **LASER ASSISTED DENTISTRY WITH RIDGE PRESERVATION (LARIP)**
[54] **MEDECINE DENTAIRE ASSISTEE PAR LASER AVEC PRESERVATION DE CRETE (LARIP)**
[72] GREGG, ROBERT H., US
[72] GREGG, DAWN M., US
[71] MILLENNIUM HEALTHCARE TECHNOLOGIES, INC., US
[85] 2022-01-14
[86] 2020-07-16 (PCT/US2020/042265)
[87] (WO2021/011735)
[30] US (62/875,322) 2019-07-17
[30] US (16/930,234) 2020-07-15

[21] **3,144,164**
[13] A1
[51] **Int.Cl. A23L 29/206 (2016.01) A23L 33/21 (2016.01) C08B 37/00 (2006.01) C08L 5/14 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHODS FOR PREPARING HEMICELLULOSE PRODUCT FROM SPENT COFFEE GROUND**
[54] **COMPOSITION ET PROCEDES DE PREPARATION DE PRODUIT D'HEMICELLULOSE A PARTIR DE MARC DE CAFE USE**
[72] PAN, LI, US
[72] POTINENI, RAJESH, US
[72] LU, YINGSHUANG, US
[72] LEE, PETER, US
[72] MUCHENA, JOHN KAILEMIA, US
[72] CHEE, CELIA, US
[71] KERRY LUXEMBOURG S.A.R.L., LU
[85] 2022-01-14
[86] 2020-07-15 (PCT/EP2020/070033)
[87] (WO2021/009248)
[30] US (62/874,063) 2019-07-15
[30] US (16/689,430) 2019-11-20

[21] **3,144,165**
[13] A1
[51] **Int.Cl. C04B 41/80 (2006.01) C04B 35/04 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING MAGNESIA-CARBON PRODUCTS**
[54] **PROCEDE DE TRAITEMENT DE PRODUITS DE MAGNESIE-CARBONE**
[72] KONIGSHOFER, SANDRA, AT
[72] PIRIBAUER, CHRISTOPH, DE
[72] NILICA, ROLAND, AT
[72] LAMMER, THOMAS, AT
[72] HEID, STEFAN, AT
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2022-01-14
[86] 2020-06-22 (PCT/EP2020/067309)
[87] (WO2021/023424)
[30] EP (19190128.9) 2019-08-05

[21] **3,144,166**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 10/08 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **PRICEBOOK TRANSACTION LOG MANAGEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE GESTION DE JOURNAUX DE TRANSACTIONS DE CATALOGUES DE PRIX**
[72] LITVAK, ANDREW, US
[72] BOGDANOV, DENIS, US
[72] BINSHTOCK, EYAL, US
[71] SERVICETITAN, INC., US
[85] 2022-01-14
[86] 2020-07-15 (PCT/US2020/042182)
[87] (WO2021/011688)
[30] US (62/874,049) 2019-07-15

[21] **3,144,170**
[13] A1
[51] **Int.Cl. B31D 5/00 (2017.01) B31D 1/00 (2017.01) B31D 3/00 (2017.01) B31D 3/02 (2006.01) B65D 81/02 (2006.01) B65D 81/03 (2006.01)**
[25] EN
[54] **IMPROVED EXPANDED SLIT SHEET CUSHIONING PRODUCTS WITH NOVEL SLIT PATTERN AND PAPER PROPERTIES**
[54] **PRODUITS DE REMBOURRAGE A FEUILLE DECOUPEE EXPANSEE AMELIORES AYANT UN NOUVEAU MOTIF DE DECOUPE ET DES NOUVELLES PROPRIETES DE PAPIER**
[72] GOODRICH, DAVID P., US
[71] GOODRICH, DAVID P., US
[85] 2022-01-14
[86] 2020-07-15 (PCT/US2020/042093)
[87] (WO2021/011626)
[30] US (62/874,163) 2019-07-15

[21] **3,144,172**
[13] A1
[51] **Int.Cl. H04B 7/0426 (2017.01) H04B 7/06 (2006.01)**
[25] EN
[54] **TRANSMISSION METHOD AND DEVICE, AND COMPUTER READABLE STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] YAO, KE, CN
[72] GAO, BO, CN
[72] JIANG, CHUANGXIN, CN
[71] ZTE CORPORATION, CN
[85] 2022-01-14
[86] 2020-07-27 (PCT/CN2020/104758)
[87] (WO2021/018078)
[30] CN (201910711336.1) 2019-07-30

[21] **3,144,181**
[13] A1
[51] **Int.Cl. A61F 5/453 (2006.01) A61B 10/00 (2006.01) A61F 5/455 (2006.01) A61F 13/471 (2006.01) A61F 13/472 (2006.01)**
[25] EN
[54] **FLUID COLLECTION DEVICES INCLUDING AT LEAST ONE SHAPE MEMORY MATERIAL**
[54] **DISPOSITIFS DE COLLECTE DE FLUIDE COMPRENANT AU MOINS UN MATERIAU A MEMOIRE DE FORME**
[72] AUSTERMANN, NICK, US
[72] CHALLA, PRANAV, US
[72] CHO, YOUNG, US
[72] JOHANNES, ASHLEY MARIE, US
[72] MEYER, ANDREW, US
[72] REHM, ERIC, US
[71] PUREWICK CORPORATION, US
[85] 2022-01-14
[86] 2020-07-16 (PCT/US2020/042262)
[87] (WO2021/016026)
[30] US (62/876,500) 2019-07-19
[30] US (62/935,337) 2019-11-14

[21] **3,144,182**
[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06T 7/50 (2017.01) G06F 16/583 (2019.01) G01B 11/02 (2006.01) G01C 3/00 (2006.01) G01C 11/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USING IMAGE DATA TO TRIGGER CONTACTLESS CARD TRANSACTIONS**
[54] **SYSTEME ET PROCEDE D'UTILISATION DE DONNEES D'IMAGE POUR DECLENCHER DES TRANSACTIONS SANS CONTACT PAR CARTE**
[72] HART, COLIN, US
[72] VAZQUEZ, JOSE, US
[72] JI, JASON, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-01-14
[86] 2020-07-09 (PCT/US2020/041387)
[87] (WO2021/011304)
[30] US (16/511,731) 2019-07-15

[21] **3,144,185**
[13] A1
[51] **Int.Cl. A61K 31/409 (2006.01) A61K 31/44 (2006.01) A61K 31/445 (2006.01) A61K 38/00 (2006.01) A61N 1/30 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **YAP INHIBITION FOR WOUND HEALING**
[54] **INHIBITION DE YAP POUR LA CICATRISATION DE PLAIES**
[72] MASCHARAK, SHAMIK, US
[72] DESJARDINS-PARK, HEATHER ELIZABETH, US
[72] BORRELLI, MIMI, US
[72] DAVITT, MICHAEL FRANCIS, US
[72] LONGAKER, MICHAEL T., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-01-14
[86] 2020-07-24 (PCT/US2020/043420)
[87] (WO2021/021607)
[30] US (62/879,369) 2019-07-26

[21] **3,144,187**
[13] A1
[51] **Int.Cl. D21F 1/32 (2006.01) D21F 5/18 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **PAPERMAKING MACHINE WITH PRESS SECTION**
[54] **MACHINE A PAPIER AVEC SECTION DE PRESSE**
[72] SEALEY II, JAMES E., US
[72] MILLER IV, BYRD TYLER, US
[72] BEGIN, MARC PAUL, US
[72] KENNEDY, THEODORE D., US
[71] STRUCTURED I, LLC, US
[85] 2022-01-14
[86] 2020-07-20 (PCT/US2020/042712)
[87] (WO2021/016150)
[30] US (62/876,173) 2019-07-19
[30] US (62/933,577) 2019-11-11

[21] **3,144,188**
[13] A1
[51] **Int.Cl. A61K 38/01 (2006.01) A61K 8/64 (2006.01) A61K 9/00 (2006.01) A61K 31/122 (2006.01) A61K 31/198 (2006.01) A61K 38/20 (2006.01) A61K 38/40 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 17/08 (2006.01)**
[25] FR
[54] **COMPOSITIONS FOR COSMETIC AND DERMATOLOGICAL USE**
[54] **COMPOSITIONS A USAGE COSMETIQUE ET DERMATOLOGIQUE**
[72] CAPPELLO, SERGE, FR
[71] SEMIOCARE SAS, FR
[85] 2022-01-14
[86] 2019-07-19 (PCT/EP2019/069603)
[87] (WO2020/016450)
[30] FR (1856756) 2018-07-20

[21] **3,144,189**
[13] A1
[51] **Int.Cl. B29C 33/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLEXIBLY FORMING A CASTING MOLD FOR MANUFACTURING A CASTING MODEL**
[54] **SYSTEME ET PROCEDE DE DEVELOPPEMENT FLEXIBLE D'UN MOULE DE FONTE POUR PRODUIRE UN MODELE EN FONTE**
[72] MEINDL, EDWIN, AT
[72] WAGNER, KARL, AT
[72] FALCH, CHRISTIAN, AT
[71] CUBES GMBH, AT
[85] 2022-01-14
[86] 2020-07-16 (PCT/EP2020/070195)
[87] (WO2021/009308)
[30] DE (10 2019 119 431.8) 2019-07-17

[21] **3,144,190**
[13] A1
[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/08 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **FOB SYSTEM FOR INTELLIGENT FLOW DETECTION AND DISPENSE CONTROL**
[54] **SYSTEME FLOTTEUR SUR BIERE POUR DETECTION INTELLIGENTE DE DEBIT ET COMMANDE DE DISTRIBUTION**
[72] VOLFTSUN, LEV, US
[72] KUSHNIR, ALEX, US
[72] GODA, PARAS, US
[71] SESTRA SYSTEMS, INC., US
[85] 2022-01-14
[86] 2021-04-05 (PCT/US2021/025784)
[87] (WO2021/257152)
[30] US (63/029,585) 2020-05-25
[30] US (17/084,434) 2020-10-29

[21] **3,144,191**
[13] A1
[51] **Int.Cl. D01G 13/00 (2006.01)**
[25] EN
[54] **SYSTEM, CONTROLLER, AND METHOD FOR DECORTICATION PROCESSING**
[54] **SYSTEME, MOYEN DE COMMANDE ET PROCEDE POUR TRAITEMENT DE DECORTICATION**
[72] CZINNER, ROBERT, CA
[72] CHUTE, WADE, CA
[71] CZINNER, ROBERT, CA
[85] 2022-01-14
[86] 2020-07-16 (PCT/CA2020/050989)
[87] (WO2021/007675)
[30] US (62/874,546) 2019-07-16

[21] **3,144,192**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION OF INTEGRIN-TARGETING KNOTTIN-FC FUSION AND ANTI-CD47 ANTIBODY FOR THE TREATMENT OF CANCER**
[54] **ASSOCIATION DE PROTEINE DE FUSION FC-KNOTTINE CIBLANT L'INTEGRINE ET D'UN ANTICORPS ANTI-CD47 POUR LE TRAITEMENT DU CANCER**
[72] COCHRAN, JENNIFER R., US
[72] RABE, AMANDA LAUREN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-01-14
[86] 2020-07-17 (PCT/US2020/042644)
[87] (WO2021/011912)
[30] US (62/875,337) 2019-07-17

[21] **3,144,193**
[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/5575 (2006.01) A61K 47/24 (2006.01) A61P 5/00 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION COMPRISING A PROSTAGLANDIN ANALOGUE**
[54] **COMPOSITION TOPIQUE COMPRENANT UN ANALOGUE DE PROSTAGLANDINE**
[72] LOSCHER, FRANK, DE
[72] HAUPTMEIER, BERNHARD, DE
[71] NOVALIQ GMBH, DE
[85] 2022-01-14
[86] 2020-08-06 (PCT/EP2020/072211)
[87] (WO2021/028328)
[30] EP (19191035.5) 2019-08-09

[21] **3,144,194**
[13] A1
[51] **Int.Cl. C09K 8/36 (2006.01) C09K 8/64 (2006.01) C09K 8/82 (2006.01)**
[25] EN
[54] **FRICTION REDUCERS FOR HIGH TDS BRINES**
[54] **REDUCTEURS DE FROTTEMENT POUR DES SAUMURES A TENEUR ELEVEE EN TDS**
[72] TELLAKULA, ROOPA, US
[72] ROSATI, LOUIS, US
[72] ROBINSON, RONALD, US
[72] HANSON, SAMUEL, US
[71] KEMIRA OYJ, FI
[85] 2022-01-14
[86] 2020-07-20 (PCT/US2020/042719)
[87] (WO2021/016155)
[30] US (62/876,207) 2019-07-19
[30] FI (20195745) 2019-09-10

[21] **3,144,195**
[13] A1
[51] **Int.Cl. F24F 7/02 (2006.01)**
[25] EN
[54] **ROTARY ROOF VENT**
[54] **DEFLECTEUR ORIENTABLE**
[72] IVANOV, DMITRIJ STANISLAVICH, RU
[72] FILIPPOV, ALEKSEJ VLADIMIROVICH, RU
[72] SEMENOV, EVGENIJ IGOREVICH, RU
[71] IVANOV, DMITRIJ STANISLAVICH, RU
[71] FILIPPOV, ALEKSEJ VLADIMIROVICH, RU
[85] 2022-01-14
[86] 2020-04-10 (PCT/RU2020/000173)
[87] (WO2021/010862)
[30] RU (2019122444) 2019-07-17

[21] **3,144,388**
[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/10 (2006.01) A61K 9/52 (2006.01)**
[25] EN
[54] **MULTILAMELLAR RNA NANOPARTICLES**
[54] **NANOPARTICULES D'ARN MULTILAMELLAIRES**
[72] SAYOUR, ELIAS, US
[72] MENDEZ-GOMEZ, HECTOR RUBEN, US
[72] MITCHELL, DUANE, US
[72] RINALDI, CARLOS, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2022-01-17
[86] 2020-07-17 (PCT/US2020/042606)
[87] (WO2021/016106)
[30] US (62/876,440) 2019-07-19
[30] US (62/877,598) 2019-07-23
[30] US (62/884,983) 2019-08-09
[30] US (62/933,326) 2019-11-08

[21] **3,144,391**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) H04B 13/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BODY AREA NETWORK FACILITATED AUTHENTICATION OR PAYMENT AUTHORIZATION**
[54] **AUTHENTIFICATION FACILITEE PAR UN RESEAU DE ZONE CORPORELLE OU AUTORISATION DE PAIEMENT**
[72] OSBORN, KEVIN, US
[72] RULE, JEFFREY, US
[72] WURMFELD, DAVID, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-01-17
[86] 2020-07-09 (PCT/US2020/041373)
[87] (WO2021/011297)
[30] US (16/514,978) 2019-07-17

[21] **3,144,397**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) B64C 13/18 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **AN UNMANNED AERIAL VEHICLE (UAV)-BASED SYSTEM FOR COLLECTING AND DISTRIBUTING ANIMAL DATA FOR MONITORING**
[54] **SYSTEME BASE SUR UN VEHICULE AERIEN SANS PILOTE (UAV), DESTINE A COLLECTER ET A DISTRIBUER DES DONNEES D'ANIMAL DEVANT ETRE SURVEILLEES**
[72] GORSKI, MARK, US
[72] KHARE, VIVEK, US
[72] MIMOTO, STANLEY, US
[71] SPORTS DATA LABS, INC., US
[85] 2022-01-17
[86] 2020-07-20 (PCT/US2020/042705)
[87] (WO2021/016148)
[30] US (16/517,012) 2019-07-19

[21] **3,144,413**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 5/02 (2006.01)**
[25] EN
[54] **LONG LIVED T CELLS FOR TREATING HIV INFECTION**
[54] **LYMPHOCYTES T A LONGUE DUREE DE VIE POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIH**
[72] SEKALY, RAFICK-PIERRE, US
[72] SHARMA, ASHISH, US
[72] ZEIDAN, JOUMANA, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2022-01-17
[86] 2020-07-17 (PCT/US2020/042567)
[87] (WO2021/011882)
[30] US (62/875,217) 2019-07-17

[21] **3,144,414**
[13] A1
[51] **Int.Cl. C08G 18/32 (2006.01) C08G 18/38 (2006.01) C08G 18/48 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **PRODUCTION OF POLYURETHANE SYSTEMS**
[54] **FABRICATION DE SYSTEMES POLYURETHANES**
[72] EMMRICH-SMOLCZYK, EVA, DE
[72] VIDAKOVIC, MLADEN, DE
[72] WENDEL, STEPHAN, DE
[72] BURDENIUC, JUAN JESUS, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2022-01-17
[86] 2020-07-13 (PCT/EP2020/069739)
[87] (WO2021/013607)
[30] US (62/877,904) 2019-07-24

[21] **3,144,420**
[13] A1
[51] **Int.Cl. C07D 239/42 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **BRIDGED HETEROCYCLYL-SUBSTITUTED PYRIMIDINE COMPOUND, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL USE THEREOF**
[54] **COMPOSE DE PYRIMIDINE SUBSTITUE PAR HETEROCYCLYLE PONTE, SON PROCEDE DE PREPARATION ET SON UTILISATION PHARMACEUTIQUE**
[72] YIN, HUIJUN, CN
[72] YAN, XU, CN
[72] SHI, JIZHOU, CN
[72] LIU, GUOBIAO, CN
[72] FEI, TENG, CN
[72] DONG, LIUXIN, CN
[72] LIU, YUANYE, CN
[71] CIPO, CA
[71] THE NATIONAL INSTITUTES OF PHARMACEUTICAL R&D CO., LTD., CN
[85] 2022-01-17
[86] 2020-08-05 (PCT/CN2020/107054)
[87] (WO2021/027647)
[30] CN (201910733723.5) 2019-08-09

[21] **3,144,423**
[13] A1
[51] **Int.Cl. A23K 10/14 (2016.01) A23K 10/38 (2016.01) A23K 20/147 (2016.01)**
[25] EN
[54] **ENZYME BLENDS AND PROCESSES FOR PRODUCING A HIGH PROTEIN FEED INGREDIENT FROM A WHOLE STILLAGE BYPRODUCT**
[54] **MELANGES D'ENZYMES ET PROCEDES DE PRODUCTION D'UN INGREDIENT D'ALIMENTATION ANIMALE A HAUTE TENEUR EN PROTEINES A PARTIR D'UN SOUS-PRODUIT DE TYPE RESIDU DE DISTILLATION ENTIER**
[72] CREAMER, KURT, US
[72] PAREKH, KALPESH, US
[72] LAVIGNE, JAMES, US
[71] NOVOZYMES A/S, DK
[85] 2022-01-17
[86] 2020-08-05 (PCT/US2020/044955)
[87] (WO2021/026201)
[30] US (62/882,698) 2019-08-05

[21] **3,144,430**
[13] A1
[51] **Int.Cl. A61K 31/131 (2006.01) A61K 31/137 (2006.01) A61K 31/18 (2006.01) C07C 211/04 (2006.01) C07C 311/15 (2006.01) C07C 311/16 (2006.01)**
[25] EN
[54] **COMPOUNDS AS NLRP3 INFLAMMASOME INHIBITORS AND COMPOSITIONS AND USES THEREOF**
[54] **COMPOSES EN TANT QU'INHIBITEURS D'INFLAMMASOME DE NLRP3 ET COMPOSITIONS ET UTILISATIONS DE CEUX-CI**
[72] ZHANG, SHIJUN, US
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
[85] 2022-01-17
[86] 2020-07-15 (PCT/US2020/042036)
[87] (WO2021/011592)
[30] US (62/874,570) 2019-07-16

[21] **3,144,431**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/08 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **IMAGE-GUIDED LUMBAR PUNCTURE ASPIRATION AND INJECTOR SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME D'INJECTION ET D'ASPIRATION POUR PONCTION LOMBAIRE GUIDE PAR L'IMAGE**
[72] SINGH, DEEP ARJUN, US
[72] ANAND, PJ, US
[71] ALCYONE LIFESCIENCES, INC., US
[85] 2022-01-17
[86] 2020-07-16 (PCT/US2020/042257)
[87] (WO2021/011731)
[30] US (62/875,463) 2019-07-17
[30] US (62/893,630) 2019-08-29

[21] **3,144,440**
[13] A1
[51] **Int.Cl. A61M 29/00 (2006.01) A61B 5/00 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **MEDICAL DILATOR, AND SYSTEMS, METHODS, AND KITS FOR MEDICAL DILATION**
[54] **DILATATEUR MEDICAL, ET SYSTEMES, PROCEDES ET TROUSSES POUR DILATATION MEDICALE**
[72] DAVIES, GARETH, CA
[72] URBANSKI, JOHN PAUL, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2022-01-17
[86] 2020-07-17 (PCT/IB2020/056759)
[87] (WO2021/014316)
[30] US (62/876,192) 2019-07-19

[21] **3,144,441**
[13] A1
[51] **Int.Cl. A61F 5/37 (2006.01) A61G 13/12 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **A DEVICE FOR ASSISTING WITH EXTENSION AND/OR FLEXION**
[54] **DISPOSITIF D'ASSISTANCE A L'EXTENSION ET/OU A LA FLEXION**
[72] STINTON, SHAUN KEVIN, US
[72] BRANCH, THOMAS P., US
[72] DITTMAR, EDWARD, US
[72] DAN, MATEI, US
[72] LESTER, TIM, US
[71] ERMI INC., US
[85] 2022-01-17
[86] 2020-07-17 (PCT/US2020/042652)
[87] (WO2021/011917)
[30] US (62/875,253) 2019-07-17

[21] **3,144,451**
[13] A1
[51] **Int.Cl. A61L 24/04 (2006.01) A61K 9/70 (2006.01) C08G 75/26 (2006.01) C08L 71/02 (2006.01) C08L 81/02 (2006.01)**
[25] EN
[54] **A TISSUE-ADHESIVE MATRIX AND USES THEREOF**
[54] **MATRICE D'ADHESIF TISSULAIRE ET UTILISATIONS**
[72] NSEIR MANASSA, NORA, IL
[72] BAHAR, AMIR, IL
[72] OMAR, RODAINA, IL
[71] NURAMI MEDICAL LTD., IL
[85] 2022-01-17
[86] 2020-07-22 (PCT/IL2020/050815)
[87] (WO2021/014446)
[30] US (62/876,952) 2019-07-22

[21] **3,144,455**
[13] A1
[51] **Int.Cl. G07B 15/00 (2011.01)**
[25] EN
[54] **SYSTEM FOR VALUE LOADING ONTO IN-VEHICLE DEVICE**
[54] **SYSTEME DE CHARGEMENT DE VALEUR SUR UN DISPOSITIF VEHICULAIRE**
[72] RULE, JEFFREY, US
[72] ILINCIC, RAJKO, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-01-17
[86] 2020-07-10 (PCT/US2020/041587)
[87] (WO2021/011371)
[30] US (16/514,427) 2019-07-17

[21] **3,144,463**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **INTEGRATED PUMP AND MANIFOLD ASSEMBLY**
[54] **ENSEMBLE POMPE ET COLLECTEUR INTEGRE**
[72] WAGNER, BRYAN C., US
[72] PEER, RICHARD DAVID, US
[72] CLARK, WESLEY P., US
[71] SPM OIL & GAS INC., US
[85] 2022-01-17
[86] 2020-07-22 (PCT/US2020/043002)
[87] (WO2021/016312)
[30] US (62/877,492) 2019-07-23

[21] **3,144,466**
[13] A1
[51] **Int.Cl. H04N 21/238 (2011.01)**
[25] EN
[54] **LIVE MEDIA CONTENT DELIVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE CONTENU MULTIMEDIA EN DIRECT**
[72] LAZAR, DAVE, CA
[72] SEGUIN, STEPHEN, CA
[72] DOE, DOUG, CA
[72] NICOLAS, LIONEL, CA
[72] MATTHEWS, TRISTAN, CA
[71] LAZAR ENTERTAINMENT INC., CA
[85] 2022-01-17
[86] 2020-07-23 (PCT/CA2020/051016)
[87] (WO2021/012051)
[30] US (62/877,531) 2019-07-23

[21] **3,144,467**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **SUBCUTANEOUS DELIVERY OF MULTIMERIC OLIGONUCLEOTIDES WITH ENHANCED BIOACTIVITY**
[54] **ADMINISTRATION SOUS-CUTANEE D'OLIGONUCLEOTIDES MULTIMERES A BIOACTIVITE AMELIOREE**
[72] BROWN, JONATHAN MILES, US
[72] NEUMAN, KRISTIN K. H., US
[71] MPEG LA, LLC, US
[85] 2022-01-17
[86] 2020-07-29 (PCT/US2020/044110)
[87] (WO2021/021959)
[30] US (62/880,591) 2019-07-30

[21] **3,144,468**
[13] A1
[51] **Int.Cl. C12N 15/90 (2006.01) C12Q 1/686 (2018.01) C12Q 1/6869 (2018.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS OF PERFORMING GUIDE-SEQ ON PRIMARY HUMAN T CELLS**
[54] **METHODES DE REALISATION DE SEQUENCAGE GUIDE SUR DES LYMPHOCYTES T HUMAINS PRIMAIRES**
[72] BAO, XIAOYAN ROBERT, US
[72] JACOBY, KYLE, US
[72] LU, WILLIAM, US
[71] PACT PHARMA, INC., US
[85] 2022-01-17
[86] 2020-08-26 (PCT/US2020/047964)
[87] (WO2021/041519)
[30] US (62/891,741) 2019-08-26

[21] **3,144,469**
[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/467 (2006.01) C25B 1/30 (2006.01)**
[25] EN
[54] **REGULATION OF ON-SITE ELECTROCHEMICAL GENERATION OF HYDROGEN PEROXIDE FOR ULTRAVIOLET ADVANCED OXIDATION PROCESS CONTROL**
[54] **REGULATION DE LA GENERATION ELECTROCHIMIQUE SUR SITE DE PEROXYDE D'HYDROGENE POUR UNE COMMANDE DE PROCESSUS D'OXYDATION PERFECTIONNEE AUX ULTRAVIOLETS**
[72] GRIFFIS, JOSHUA, US
[72] SATTERFIELD, BENJAMIN, US
[72] CHEN, YANG, US
[72] GU, GEORGE, US
[72] DUKES, SIMON, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2022-01-17
[86] 2020-07-31 (PCT/US2020/044476)
[87] (WO2021/025991)
[30] US (62/882,244) 2019-08-02
[30] US (63/058,528) 2020-07-30

[21] **3,144,471**
[13] A1
[51] **Int.Cl. B01J 13/04 (2006.01) B33Y 70/00 (2020.01) B29C 64/153 (2017.01) B01J 13/22 (2006.01) B22F 1/00 (2022.01) C22C 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A METAL POWDER FOR AN ADDITIVE MANUFACTURING PROCESS AND USE OF SUCH A POWDER**
[54] **METHODE DE PREPARATION D'UNE POUDRE METALLIQUE DESTINEE A UN PROCEDE DE FABRICATION ADDITIVE, ET UTILISATION D'UNE TELLE POUDRE**
[72] BUCHER, SEBASTIEN, FR
[72] PUPIER, CHRISTOPHE GERARD, FR
[71] HYDROMECANIQUE ET FROTTEMENT, FR
[85] 2022-01-17
[86] 2020-07-31 (PCT/FR2020/051411)
[87] (WO2021/023931)
[30] FR (FR1908894) 2019-08-02

[21] **3,144,475**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/04 (2012.01) G06Q 10/08 (2012.01) B65G 1/04 (2006.01) B65G 1/06 (2006.01) G01C 21/00 (2006.01)**
[25] EN
[54] **DYNAMIC CART OPTIMIZATION SYSTEM**
[54] **SYSTEME D'OPTIMISATION DE CHARIOT DYNAMIQUE**
[72] RASMUSSEN, JEFFREY L., US
[72] BULLOCH, ERIC BRANCH, US
[72] MAUGHAN, KEVIN BRADON, US
[72] HARNESK, ANDREAS, US
[72] GALLAWAY, RODNEY, US
[71] PACKSIZE LLC, US
[85] 2022-01-17
[86] 2020-07-30 (PCT/US2020/044240)
[87] (WO2021/025945)
[30] US (62/882,158) 2019-08-02
[30] US (16/942,541) 2020-07-29

[21] **3,144,487**
[13] A1
[51] **Int.Cl. A61L 27/22 (2006.01) A61K 35/12 (2015.01) A61K 35/22 (2015.01) A61K 35/30 (2015.01) A61K 35/34 (2015.01) A61K 35/36 (2015.01) A61K 35/38 (2015.01) A61K 35/50 (2015.01) A61K 38/36 (2006.01) A61L 27/36 (2006.01) A61L 27/58 (2006.01) A61P 9/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TISSUE FIBROSIS INHIBITOR IN WHICH BIOCOMPATIBLE POLYMER IS USED**
[54] **INHIBITEUR DE FIBROSE TISSULAIRE DANS LEQUEL UN POLYMERE BIOCOMPATIBLE EST UTILISE**
[72] SAGA, HIDEKI, JP
[72] INUI, MINAKO, JP
[72] OGURA, NORIKO, JP
[71] KM BIOLOGICS CO., LTD., JP
[85] 2022-01-17
[86] 2020-07-31 (PCT/JP2020/029532)
[87] (WO2021/020576)
[30] JP (2019-142482) 2019-08-01

[21] **3,144,492**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04W 12/06 (2021.01) G06F 21/35 (2013.01) H04W 4/80 (2018.01) H04L 9/32 (2006.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **CONTINUOUS AUTHENTICATION FOR DIGITAL SERVICES BASED ON CONTACTLESS CARD POSITIONING**
[54] **AUTHENTIFICATION CONTINUE POUR SERVICES NUMERIQUES SUR LA BASE D'UN POSITIONNEMENT DE CARTE SANS CONTACT**
[72] RULE, JEFFREY, US
[72] ILINCIC, RAJKO, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-01-17
[86] 2020-07-10 (PCT/US2020/041545)
[87] (WO2021/011354)
[30] US (16/516,243) 2019-07-18

[21] **3,144,496**
[13] A1
[51] **Int.Cl. B67D 7/02 (2010.01) B67D 7/74 (2010.01) B67D 7/78 (2010.01) B67D 7/84 (2010.01)**
[25] FR
[54] **SYSTEM FOR DISPENING A UREA SOLUTION COMPRISING A TRANSPORTABLE CONTAINER AND ASSOCIATED DISPENSING DEVICE**
[54] **SYSTEME DE DISTRIBUTION D'UNE SOLUTION D'UREE COMPRENANT UN CONTENEUR TRANSPORTABLE ET DISPOSITIF DE DISTRIBUTION ASSOCIE**
[72] DAVERAT, PIERRE, FR
[72] GUENA, OLIVIER, FR
[72] BUTAUD, ROMAIN, FR
[72] HIERONIMUS, JEAN-MICHEL, FR
[71] TOTAL MARKETING SERVICES, FR
[85] 2022-01-17
[86] 2020-07-23 (PCT/EP2020/070757)
[87] (WO2021/013914)
[30] FR (FR1908413) 2019-07-24

[21] **3,144,500**
[13] A1
[51] **Int.Cl. B01D 45/14 (2006.01) B01D 46/00 (2022.01) B01D 50/00 (2022.01)**
[25] EN
[54] **AIR/OIL SEPARATOR**
[54] **SEPARATEUR AIR/HUILE**
[72] KHAN, SAJID ALI, US
[71] DEKKER VACUUM TECHNOLOGIES INC., US
[71] KHAN, SAJID ALI, US
[85] 2022-01-17
[86] 2020-07-16 (PCT/US2020/042402)
[87] (WO2021/011816)
[30] US (16/514,300) 2019-07-17

[21] **3,144,509**
[13] A1
[51] **Int.Cl. A61K 35/15 (2015.01) C12N 5/0786 (2010.01) A61K 39/00 (2006.01)**
[25] EN
[54] **P21 EXPRESSING MONOCYTES FOR CANCER CELL THERAPY**
[54] **MONOCYTES EXPRIMANT LA P21 POUR UNE THERAPIE CONTRE LES CELLULES CANCEREUSES**
[72] PERFETTINI, JEAN-LUC, FR
[72] ALLOUCH, AWATEF, FR
[72] DEUTSCH, ERIC, FR
[71] INSTITUT GUSTAVE ROUSSY, FR
[85] 2022-01-17
[86] 2020-07-17 (PCT/EP2020/070379)
[87] (WO2021/013764)
[30] EP (19305963.1) 2019-07-19

[21] **3,144,515**
[13] A1
[51] **Int.Cl. H04N 21/485 (2011.01) H04W 8/02 (2009.01) H04N 21/436 (2011.01) H04N 21/4627 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE TRANSFER OF CONTENT BETWEEN DEVICES**
[54] **SYSTEME ET PROCEDE DE TRANSFERT DE CONTENU ENTRE DES DISPOSITIFS**
[72] ELCOCK, ALBERT F., US
[72] SHARMA, ANURAG, IN
[72] MOORE, RICHARD, JR., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-01-17
[86] 2020-07-20 (PCT/US2020/042774)
[87] (WO2021/011937)

[21] **3,144,516**
[13] A1
[51] **Int.Cl. F01D 25/24 (2006.01)**
[25] FR
[54] **AIRCRAFT TURBOSHAFT ENGINE COMPRESSOR COMPRISING A DEVICE FOR IMMOBILISING A RETAINING RING**
[54] **COMPRESSEUR DE TURBOMOTEUR D'AERONEF COMPRENANT UN DISPOSITIF DE BLOCAGE D'UN ANNEAU DE RETENUE**
[72] DELAHAYE, THOMAS NOLWENN EMMANUEL, FR
[72] BERGON, BLAISE, FR
[72] JABLONSKI, LAURENT, FR
[72] DUMAS, LILIAN YANN, FR
[72] VAN DE KERCKHOVE, THOMAS ETIENNE CAMILLE MARIE, FR
[72] ROBIN, NOEL JOSEPH CAMILLE, FR
[72] SEVI, GUILLAUME, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2022-01-17
[86] 2020-07-10 (PCT/EP2020/069474)
[87] (WO2021/023470)
[30] FR (FR1908992) 2019-08-06

[21] **3,144,529**
[13] A1
[51] **Int.Cl. B65D 51/06 (2006.01) A45C 11/20 (2006.01)**
[25] EN
[54] **CONTAINER**
[54] **CONTENANT**
[72] TJERNBERG, LISA EDLUND, AU
[72] AMATOURY, SYLVAIN JACQUES, AU
[71] B.BOX FOR KIDS DEVELOPMENTS PTY LTD, AU
[85] 2022-01-17
[86] 2020-07-14 (PCT/AU2020/050727)
[87] (WO2021/011995)
[30] AU (2019208141) 2019-07-22

[21] **3,144,536**
[13] A1
[51] **Int.Cl. B65D 47/34 (2006.01)**
[25] EN
[54] **ALL-PLASTIC EMULSION PUMP**
[54] **POMPE A EMULSION ENTIEREMENT EN PLASTIQUE**
[72] ZHU, GUANGWEI, CN
[71] PAN, JINGYUAN, CN
[85] 2022-01-17
[86] 2021-01-14 (PCT/CN2021/071646)
[87] (WO2021/169649)
[30] CN (202010114149.8) 2020-02-25

[21] **3,144,537**
[13] A1
[51] **Int.Cl. C01B 33/26 (2006.01) C04B 7/02 (2006.01) C04B 14/10 (2006.01) C04B 28/04 (2006.01) C04B 35/19 (2006.01) C22B 3/06 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **ALUMINOSILICATES, RELATED PROCESSES AND USES THEREOF AS SUPPLEMENTARY CEMENTING MATERIALS**
[54] **ALUMINOSILICATES, PROCEDES ASSOCIES ET LEURS UTILISATIONS EN TANT QUE MATERIAUX DE CIMENTATION SUPPLEMENTAIRES**
[72] MAGNAN, JEAN-FRANCOIS, CA
[72] ALLEN, DAVID-NICOLAS, CA
[71] NEMASKA LITHIUM INC., CA
[85] 2022-01-17
[86] 2019-11-27 (PCT/CA2019/051697)
[87] (WO2021/016700)
[30] CA (3,050,268) 2019-07-19

[21] **3,144,539**
[13] A1
[51] **Int.Cl. B25B 23/00 (2006.01) B25B 23/08 (2006.01)**
[25] EN
[54] **SCREW-IN AID FOR SCREWING IN A LONG SCREW**
[54] **OUTIL DE VISSAGE PERMETTANT LE VISSAGE D'UNE VIS LONGUE**
[72] CERA, UDO, DE
[72] WILDHAGEN, LUKAS, DE
[71] WURTH INTERNATIONAL AG, CH
[85] 2022-01-17
[86] 2020-07-21 (PCT/EP2020/070513)
[87] (WO2021/013818)
[30] DE (10 2019 119 845.3) 2019-07-23

[21] **3,144,541**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 31/7072 (2006.01) A61K 38/12 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL DEVELOPMENT**
[54] **DEVELOPPEMENT PHARMACEUTIQUE**
[72] COATES, PROFESSOR ANTHONY, GB
[72] HU, YANMIN, GB
[71] HELPERBY THERAPEUTICS LIMITED, GB
[85] 2022-01-17
[86] 2020-07-28 (PCT/GB2020/051810)
[87] (WO2021/019234)
[30] GB (1910787.9) 2019-07-29

[21] **3,144,542**
[13] A1
[51] **Int.Cl. C07D 473/34 (2006.01) A61K 31/52 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PIPERIDINYL-METHYL-PURINEAMINES AS NSD2 INHIBITORS AND ANTI-CANCER AGENTS**
[54] **PIPERIDINYL-METHYL-PURINEAMINES EN TANT QU'INHIBITEURS DE NSD2 ET AGENTS ANTICANCEREUX**
[72] DENG, HAIBING, CN
[72] LIU, JINBIAO, CN
[72] OYANG, COUNDE, US
[72] WANG, CE, CN
[72] XIAO, QITAO, CN
[72] XUN, GUOLIANG, CN
[72] ZENG, HAIQIANG, CN
[71] NOVARTIS AG, CH
[85] 2022-01-17
[86] 2020-08-12 (PCT/IB2020/057602)
[87] (WO2021/028854)
[30] CN (PCT/CN2019/100542) 2019-08-14

[21] **3,144,554**
[13] A1
[51] **Int.Cl. A61C 15/04 (2006.01)**
[25] EN
[54] **DENTAL FLOSSER WITH MEANS FOR ADJUSTING FLOSS TENSION**
[54] **PORTE-FIL DENTAIRE AVEC MOYEN DE REGLAGE DE LA TENSION DU FIL DENTAIRE**
[72] XU, MENG, CA
[71] XU, MENG, CA
[85] 2022-01-17
[86] 2020-08-12 (PCT/CA2020/051105)
[87] (WO2021/030901)
[30] US (16/545,739) 2019-08-20

[21] **3,144,579**
[13] A1
[51] **Int.Cl. B65D 5/50 (2006.01) B65D 65/40 (2006.01) B65D 81/127 (2006.01)**
[25] EN
[54] **UNITIZED LOAD COVERS**
[54] **COUVERCLES DE CHARGE UNITISEE**
[72] DHODAPKAR, SHRIKANT, US
[72] GRAVOUILLA, ROCKLYN P., US
[72] SPERATI, KARLA M., US
[72] CROASMUN, ALYSSA L., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-01-18
[86] 2020-07-06 (PCT/US2020/040864)
[87] (WO2021/015939)
[30] US (62/878,007) 2019-07-24

[21] **3,144,591**
[13] A1
[51] **Int.Cl. B01D 17/04 (2006.01) C10G 33/04 (2006.01)**
[25] EN
[54] **DEMULSIFYING ADDITIVE FOR SEPARATION OF OIL AND WATER**
[54] **ADDITIF DESEMULSIFIANT POUR LA SEPARATION D'HUILE ET D'EAU**
[72] MANGADLAO, JOEY D., US
[72] JAKUBOWSKI, WOJCIECH, US
[72] HORNE, BRUCE O., US
[72] FELIPE, MARY JANE, US
[72] RAMOS, JORGE, US
[71] BAKER HUGHES HOLDINGS LLC, US
[85] 2022-01-18
[86] 2020-06-19 (PCT/US2020/038608)
[87] (WO2021/015904)
[30] US (16/521,204) 2019-07-24

[21] **3,144,603**
[13] A1
[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/58 (2006.01) A61P 17/18 (2006.01) A61P 29/00 (2006.01) C07J 71/00 (2006.01)**
[25] EN
[54] **C17 POLAR-SUBSTITUTED HETEROAROMATIC SYNTHETIC TRITERPENOIDS AND METHODS OF USE THEREOF**
[54] **TRITERPENOIDES SYNTHETIQUES HETEROAROMATIQUES A SUBSTITUTION POLAIRE C17 ET LEURS PROCEDES D'UTILISATION**
[72] JIANG, XIN, US
[72] BENDER, CHRISTOPHER F., US
[72] DO, HA, US
[72] SUN, HAIZHOU, US
[72] VISNICK, MELEAN, US
[71] REATA PHARMACEUTICALS, INC., US
[85] 2022-01-18
[86] 2020-07-20 (PCT/US2020/042788)
[87] (WO2021/016191)
[30] US (62/876,467) 2019-07-19
[30] US (62/952,048) 2019-12-20

[21] **3,144,604**
[13] A1
[51] **Int.Cl. F04D 25/16 (2006.01) F04D 27/02 (2006.01) F04D 29/08 (2006.01) F04D 29/12 (2006.01) F04D 29/14 (2006.01) F04D 29/58 (2006.01)**
[25] EN
[54] **COMPRESSOR ARRANGEMENT AND METHOD OF OPERATING A COMPRESSOR**
[54] **AGENCEMENT DE COMPRESSEUR ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN COMPRESSEUR**
[72] CIPRIANI, SERGIO, IT
[72] FIUMICELLI, CATIUSCIA, IT
[72] PAMPALONI, GIACOMO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2022-01-18
[86] 2020-07-20 (PCT/EP2020/025338)
[87] (WO2021/018412)
[30] IT (102019000013155) 2019-07-29

[21] **3,144,611**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/7048 (2006.01) A61K 38/26 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST, AN SGLT2 INHIBITOR AND A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CA PRYLIC ACID**
[54] **COMPOSITIONS SOLIDES COMPRENANT UN AGONISTE DE GLP-1, UN INHIBITEUR DE SGLT2 ET UN SEL D'ACIDE N-(8-(2-HYDROXYBENZOYL)AMINO)CA PRYLIQUE**
[72] PEDERSEN, BETTY LOMSTEIN, DK
[72] NISSEN, BIRGITTE, DK
[72] GARIBAY, PATRICK WILLIAM, DK
[72] NAELAPAA, KAISA, DK
[72] VEGGE, ANDREAS, DK
[71] NOVO NORDISK A/S, DK
[85] 2022-01-18
[86] 2020-08-06 (PCT/EP2020/072106)
[87] (WO2021/023811)
[30] EP (19190623.9) 2019-08-07
[30] EP (20172415.0) 2020-04-30

[21] **3,144,618**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 38/18 (2006.01) A61P 3/06 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **SOLID COMPOSITIONS COMPRISING AN EGF(A) DERIVATIVE AND A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CA PRYLIC ACID**
[54] **COMPOSITIONS SOLIDES COMPRENANT UN DERIVE D'EGF(A) ET UN SEL D'ACIDE N-(8-(2-HYDROXYBENZOYL) AMINO)CAPRYLIQUE**
[72] PEDERSEN, BETTY LOMSTEIN, DK
[72] NISSEN, BIRGITTE, DK
[72] NAELAPAA, KAISA, DK
[72] VEGGE, ANDREAS, DK
[71] NOVO NORDISK A/S, DK
[85] 2022-01-18
[86] 2020-08-07 (PCT/EP2020/072227)
[87] (WO2021/023855)
[30] EP (19190506.6) 2019-08-07

[21] **3,144,643**
[13] A1
[51] **Int.Cl. E21B 43/116 (2006.01) E21B 43/117 (2006.01) E21B 43/1185 (2006.01)**
[25] EN
[54] **PERFORATING GUN AND SYSTEM AND METHOD FOR USING THE SAME**
[54] **PERFORATEUR ET SON SYSTEME ET PROCEDE D'UTILISATION**
[72] DALY, KERRY G., US
[71] EXPRO AMERICAS, LLC, US
[85] 2022-01-18
[86] 2020-07-30 (PCT/US2020/044227)
[87] (WO2021/022025)
[30] US (62/880,747) 2019-07-31

[21] **3,144,653**
[13] A1
[51] **Int.Cl. A61B 18/20 (2006.01) A61B 18/22 (2006.01) A61F 9/008 (2006.01)**
[25] FR
[54] **CUTTING DEVICE WITH OPTICAL COUPLER INCLUDING A POLARISATION CORRECTOR**
[54] **APPAREIL DE DECOUPE A COUPLEUR OPTIQUE INCLUANT UN CORRECTEUR DE POLARISATION**
[72] BAUBEAU, EMMANUEL, FR
[72] NADOLNY, SYLVIE, FR
[71] KERANOVA, FR
[85] 2022-01-18
[86] 2020-07-17 (PCT/EP2020/070302)
[87] (WO2021/013734)
[30] FR (FR1908208) 2019-07-19

[21] **3,144,663**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) C07K 16/12 (2006.01) G01N 33/48 (2006.01) G01N 33/569 (2006.01)**
[25] FR
[54] **ANTIBODY AGAINST THE OPRF PROTEIN OF PSEUDOMONAS AERUGINOSA, USE THEREOFAS A MEDICAMENT AND PHARMACEUTICAL COMPOSITION CONTAINING SAME**
[54] **ANTICORPS DIRIGE CONTRE LA PROTEINE OPRF DE PSEUDOMONAS AERUGINOSA SON UTILISATION EN TANT QUE MEDICAMENT ET COMPOSITION PHARMACEUTIQUE LE CONTENANT**
[72] LENORMAND, JEAN-LUC, FR
[72] GAYET, LANDRY, FR
[72] MAYEUX, GERALDINE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] INSTITUT POLYTECHNIQUE DE GRENOBLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2022-01-18
[86] 2020-07-22 (PCT/EP2020/070725)
[87] (WO2021/013904)
[30] FR (FR1908344) 2019-07-23

[21] **3,144,667**
[13] A1
[51] **Int.Cl. C08C 19/22 (2006.01) C07D 233/32 (2006.01) C08F 136/08 (2006.01) C08F 236/10 (2006.01) C08L 9/00 (2006.01) C08L 9/06 (2006.01) C08L 15/00 (2006.01)**
[25] FR
[54] **COMPOSITION BASED ON AT LEAST ONE COMPOUND HAVING AN N-SUBSTITUTED IMIDAZOLIDINONE FUNCTION**
[54] **COMPOSITION A BASE D'AU MOINS UN COMPOSE AYANT UNE FONCTION IMIDAZOLIDINONE N-SUBSTITUEE**
[72] JEAN-BAPTISTE-DIT-DOMINIQUE, FRANCOIS, FR
[72] FLEURY, ETIENNE, FR
[72] GANDER, SOPHIE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2022-01-18
[86] 2020-08-06 (PCT/FR2020/051440)
[87] (WO2021/023949)
[30] FR (FR1909030) 2019-08-07

[21] **3,144,675**
[13] A1
[51] **Int.Cl. A01H 1/02 (2006.01) A01H 6/54 (2018.01) A01H 5/10 (2018.01) C12N 15/82 (2006.01)**
[25] EN
[54] **GENETIC LOCI ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS**
[54] **LOCI GENETIQUES ASSOCIES A LA RESISTANCE CONTRE DES MALADIES DU SOJA**
[72] LIU, QINGLI, US
[72] DIETRICH, ROBERT ARTHUR, US
[72] CURLEY, THOMAS JOSEPH, US
[72] HIPSKIND, JOHN DANIEL, US
[72] BREITINGER, BECKY WELSH, US
[72] DAWSON, JOHN LUTHER, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-01-18
[86] 2020-07-30 (PCT/US2020/044228)
[87] (WO2021/022026)
[30] US (62/881,008) 2019-07-31

[21] **3,144,680**
[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **PUSH MECHANISM FOR INTERFACING A DRIVE MECHANISM HANDPIECE WITH AN INTROACULAR LENS CARTRIDGE**
[54] **MECANISME DE POUSSEE POUR INTERFACER UNE PIECE A MAIN DE MECANISME D'ENTRAINEMENT AVEC UNE CARTOUCHE DE LENTILLE INTRAOCULAIRE**
[72] WU, YINGHUI, US
[71] ALCON INC., CH
[85] 2022-01-18
[86] 2020-08-21 (PCT/IB2020/057876)
[87] (WO2021/038413)
[30] US (62/890,859) 2019-08-23
[30] US (63/023,394) 2020-05-12

[21] **3,144,681**
[13] A1
[51] **Int.Cl. A45D 26/00 (2006.01) B26B 13/00 (2006.01) B26B 19/00 (2006.01) B26B 19/04 (2006.01) B26B 19/06 (2006.01) B26B 19/10 (2006.01)**
[25] EN
[54] **HAIR REMOVAL APPARATUS, ASSEMBLY, AND METHOD FOR ASSEMBLING THE SAME**
[54] **APPAREIL POUR ENLEVER LES POILS, ENSEMBLE ET PROCEDE D'ASSEMBLAGE DE CELUI-CI**
[72] LANGBERG, ERIC, US
[72] SZYMANSKI, AARON, US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2022-01-18
[86] 2020-07-21 (PCT/IB2020/056854)
[87] (WO2021/014358)
[30] US (62/877,124) 2019-07-22
[30] US (62/923,374) 2019-10-18

[21] **3,144,682**
[13] A1
[51] **Int.Cl. A61M 5/178 (2006.01) B32B 3/16 (2006.01) B32B 3/26 (2006.01) B32B 3/30 (2006.01) G09F 3/02 (2006.01) G09F 3/10 (2006.01)**
[25] EN
[54] **FLEXIBLE SELF-ADHESIVE LABEL COMPRISING A RADIATION-SENSITIVE INDICATOR FOR A SYRINGE**
[54] **ETIQUETTE AUTOADHESIVE SOUPLE COMPRENANT UN INDICATEUR SENSIBLE AU RAYONNEMENT POUR UNE SERINGUE**
[72] CROHN, ROBERT, US
[72] HOOD, DAVID K., US
[72] DREW, EMILY JEAN, US
[72] MENCHON, MARIA, US
[71] ISP INVESTMENTS LLC, US
[85] 2022-01-18
[86] 2020-07-20 (PCT/US2020/042792)
[87] (WO2021/011939)
[30] US (62/875,804) 2019-07-18

[21] **3,144,683**
[13] A1
[51] **Int.Cl. C08C 19/22 (2006.01) C07D 233/32 (2006.01) C08F 136/08 (2006.01) C08F 236/10 (2006.01) C08L 9/00 (2006.01) C08L 9/06 (2006.01) C08L 15/00 (2006.01)**
[25] FR
[54] **POLYMER HAVING SPECIFIC N-SUBSTITUTED IMIDAZOLIDINONE PENDANT FUNCTIONAL GROUPS**
[54] **POLYMERE PORTANT DES GROUPES PENDANTS FONCTIONNELS PARTICULIERS IMIDAZOLIDINONE N-SUBSTITUES**
[72] JEAN-BAPTISTE-DIT-DOMINIQUE, FRANCOIS, FR
[72] FLEURY, ETIENNE, FR
[72] GANDER, SOPHIE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2022-01-18
[86] 2020-08-06 (PCT/FR2020/051439)
[87] (WO2021/023948)
[30] FR (1909029) 2019-08-07

[21] **3,144,685**
[13] A1
[51] **Int.Cl. G06F 1/16 (2006.01) G06F 1/20 (2006.01) H05K 5/03 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **ELECTRONIC APPARATUS AND EXTERIOR PANEL THEREOF**
[54] **INSTRUMENT ELECTRONIQUE ET SON PANNEAU EXTERIEUR**
[72] MORISAWA, YUJIN, JP
[72] OOTORI, YASUHIRO, JP
[72] AOKI, KEIICHI, JP
[72] TSUCHIDA, SHINYA, JP
[71] SONY INTERACTIVE ENTERTAINMENT INC., JP
[85] 2022-01-18
[86] 2021-03-25 (PCT/JP2021/012749)
[87] (WO2021/193881)
[30] JP (2020-059189) 2020-03-27

[21] **3,144,687**
[13] A1
[51] **Int.Cl. C12N 5/074 (2010.01)**
[25] EN
[54] **CELL-TYPE SELECTIVE IMMUNOPROTECTION OF CELLS**
[54] **IMMUNOPROTECTION SELECTIVE DE TYPE CELLULAIRE DE CELLULES**
[72] GOLDMAN, STEVEN A., US
[72] BENRAISS, ABDELLATIF, US
[72] TROJEL-HANSEN, CHRISTINA, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2022-01-18
[86] 2020-07-20 (PCT/US2020/042768)
[87] (WO2021/011936)
[30] US (62/875,883) 2019-07-18

[21] **3,144,689**
[13] A1
[51] **Int.Cl. B61H 5/00 (2006.01) F16D 55/224 (2006.01)**
[25] FR
[54] **RAILWAY BRAKING SYSTEM COMPRISING BRAKE RIGGING, AND RAIL VEHICLE EQUIPPED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UNE TIMONERIE DE FREINAGE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GERBER-PAPIN, DENIS, FR
[72] BEAUVOIS, DAMIEN, FR
[72] GONCALVES, CLAUDINO, FR
[72] GERBER-PAPIN, DENIS, FR
[72] BEAUVOIS, DAMIEN, FR
[71] FAIVELEY TRANSPORT AMIENS, FR
[85] 2022-01-18
[86] 2020-07-23 (PCT/EP2020/070887)
[87] (WO2021/018743)
[30] FR (FR1908510) 2019-07-26
[30] FR (FR1908512) 2019-07-26
[30] FR (FR1911666) 2019-10-18

[21] **3,144,692**
[13] A1
[51] **Int.Cl. B61H 5/00 (2006.01) B61H 13/34 (2006.01) F16D 65/095 (2006.01)**
[25] FR
[54] **RAILWAY BRAKING SYSTEM COMPRISING BRAKE RIGGING, AND RAIL VEHICLE EQUIPPED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UNE TIMONERIE DE FREINAGE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] GERBER-PAPIN, DENIS, FR
[71] FAIVELEY TRANSPORT AMIENS, FR
[85] 2022-01-18
[86] 2020-07-23 (PCT/EP2020/070889)
[87] (WO2021/018745)
[30] FR (1908510) 2019-07-26
[30] FR (1908512) 2019-07-26
[30] FR (1911666) 2019-10-18

[21] **3,144,694**
[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) A61B 17/435 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF VIABLE HUMAN EMBRYOS**
[54] **IDENTIFICATION D'EMBRYONS HUMAINS VIABLES**
[72] HORCAJADAS, JOSE A., ES
[72] ABDULLA, HUSSAIN A., US
[71] OVERTURE LIFE, INC., US
[85] 2022-01-18
[86] 2020-07-24 (PCT/US2020/043558)
[87] (WO2021/016581)
[30] US (62/878,524) 2019-07-25

[21] **3,144,700**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61P 21/00 (2006.01) C07D 311/16 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **COMPOUNDS SUITABLE FOR THE TREATMENT AND PROPHYLAXIS OF MUSCLE WASTING AND OTHER CONDITIONS**
[54] **COMPOSES ADAPTES AU TRAITEMENT ET A LA PROPHYLAXIE DE L'ATROPHIE MUSCULAIRE ET D'AUTRES AFFECTIONS**
[72] ADAMS, VOLKER, DE
[72] LABEIT, SIEGFRIED, DE
[71] ADAMS, VOLKER, DE
[71] LABEIT, SIEGFRIED, DE
[85] 2022-01-18
[86] 2020-08-14 (PCT/EP2020/072911)
[87] (WO2021/032643)
[30] EP (19192107.1) 2019-08-16

[21] **3,144,705**
[13] A1
[51] **Int.Cl. A61N 1/362 (2006.01) A61K 38/00 (2006.01) A61K 38/17 (2006.01) A61K 48/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR GENE DELIVERY IN THE HEART**
[54] **MATERIAUX ET PROCEDES POUR L'ADMINISTRATION DE GENES DANS LE COEUR**
[72] ARORA, RISHI, US
[72] JOHNSON, DAVID A., US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2022-01-18
[86] 2020-01-27 (PCT/US2020/015225)
[87] (WO2021/025725)
[30] US (62/884,012) 2019-08-07
[30] US (62/942,516) 2019-12-02
[30] US (62/947,737) 2019-12-13
[30] US (62/961,514) 2020-01-15

[21] **3,144,707**
[13] A1
[51] **Int.Cl. B08B 9/02 (2006.01) B08B 9/027 (2006.01) B08B 9/04 (2006.01)**
[25] EN
[54] **METHOD OF CLEANING PIPELINE**
[54] **PROCEDE DE NETTOYAGE DE PIPELINE**
[72] ALLRED, JR. JAMES A., US
[71] RIDDLE'S DEHI & CHEMICAL SERVICES CO., LLC D/B/A E&P SERVICES GROUP, US
[85] 2022-01-18
[86] 2021-01-11 (PCT/US2021/012940)
[87] (WO2021/146135)
[30] US (16/741,225) 2020-01-13
[30] US (16/797,686) 2020-02-21

[21] **3,144,710**
[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 47/54 (2017.01) A61K 47/69 (2017.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AUTOIMMUNE DISORDERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES AUTO-IMMUNS**
[72] MOON, JAMES J., US
[72] SCHWENDEMAN, ANNA A., US
[72] NAJAFABADI, SAYED ALIREZA HASSANI, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2022-01-18
[86] 2020-07-17 (PCT/US2020/042545)
[87] (WO2021/016082)
[30] US (62/876,419) 2019-07-19
[30] US (63/017,444) 2020-04-29

[21] **3,144,711**
[13] A1
[51] **Int.Cl. C22B 3/12 (2006.01) C22B 7/00 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF LITHIUM FROM WASTE LITHIUM ION BATTERIES**
[54] **PROCEDE DE RECUPERATION DE LITHIUM A PARTIR DE BATTERIES AU LITHIUM-ION USAGEES**
[72] ROHDE, WOLFGANG, DE
[72] GERKE, BIRGIT, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] ADERMANN, TORBEN, DE
[72] VOGES, MATTHIAS, DE
[72] VOGELSANG, REGINA, DE
[71] BASF SE, DE
[85] 2022-01-18
[86] 2020-07-24 (PCT/EP2020/070986)
[87] (WO2021/018778)
[30] EP (19188696.9) 2019-07-26
[30] EP (20151674.7) 2020-01-14

[21] **3,144,713**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01)**
[25] EN
[54] **PHARMAEUTICAL COMPOSITION COMPRISING ENSIFENTRINE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE L'ENSIFENTRINE**
[72] SPARGO, PETER LIONEL, GB
[72] FRENCH, EDWARD JAMES, GB
[71] VERONA PHARMA PLC, GB
[85] 2022-01-18
[86] 2020-08-12 (PCT/GB2020/051914)
[87] (WO2021/028679)
[30] GB (1911517.9) 2019-08-12

[21] **3,144,716**
[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) C22B 3/12 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF LITHIUM AND OTHER METALS FROM WASTE LITHIUM ION BATTERIES**
[54] **PROCEDE POUR LA RECUPERATION DE LITHIUM ET D'AUTRES METAUX A PARTIR DE BATTERIES AU LITHIUM-ION USAGEES**
[72] ROHDE, WOLFGANG, DE
[72] GERKE, BIRGIT, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] VOGES, MATTHIAS, DE
[72] VOGELSANG, REGINA, DE
[72] SEELER, FABIAN, DE
[72] SMITH, GARETH, US
[72] ADERMANN, TORBEN, DE
[71] BASF SE, DE
[85] 2022-01-18
[86] 2020-07-24 (PCT/EP2020/071017)
[87] (WO2021/018788)
[30] EP (19188696.9) 2019-07-26
[30] EP (20151754.7) 2020-01-14

[21] **3,144,717**
[13] A1
[51] **Int.Cl. C08G 65/40 (2006.01) B01J 41/13 (2017.01) C08J 5/22 (2006.01) H01M 8/00 (2016.01)**
[25] EN
[54] **POLYMERIC ANION-CONDUCTING MEMBRANE**
[54] **MEMBRANE POLYMERE CONDUCTRICE D'ANIONS**
[72] CONRADI, OLIVER, DE
[72] MALJUSCH, ARTJOM, DE
[72] ROGL, HARALD, AT
[72] LUPPI, GIANLUIGI, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2022-01-18
[86] 2020-07-16 (PCT/EP2020/070153)
[87] (WO2021/013694)
[30] EP (19187560.8) 2019-07-22

[21] **3,144,718**
[13] A1
[51] **Int.Cl. C07K 5/11 (2006.01) A01G 7/06 (2006.01) C07K 14/47 (2006.01) C12N 5/14 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CELL DEATH INHIBITOR AND CELL DEATH INHIBITION METHOD**
[54] **INHIBITEUR DE MORT CELLULAIRE ET PROCEDE D'INHIBITION DE LA MORT CELLULAIRE**
[72] MIURA, KENJI, JP
[72] TSURUTA, FUMINORI, JP
[71] UNIVERSITY OF TSUKUBA, JP
[85] 2022-01-18
[86] 2020-07-29 (PCT/JP2020/028981)
[87] (WO2021/020421)
[30] JP (2019-142038) 2019-08-01

[21] **3,144,719**
[13] A1
[51] **Int.Cl. C07K 14/805 (2006.01) A61K 38/42 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **HEMOGLOBIN-BASED THERAPEUTIC AGENTS**
[54] **AGENTS THERAPEUTIQUES A BASE D'HEMOGLOBINE**
[72] KWOK, SUI-YI, CN
[72] WAI, NORMAN FUNG-MAN, CN
[72] ZOU, LAN, CN
[71] CHEER GLOBAL LIMITED, CN
[85] 2022-01-18
[86] 2020-07-20 (PCT/CN2020/103092)
[87] (WO2021/013131)
[30] US (62/876,005) 2019-07-19

[21] **3,144,720**
[13] A1
[51] **Int.Cl. A01H 1/00 (2006.01) C12Q 1/6895 (2018.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **GENETIC LOCI ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS**
[54] **LOCI GENETIQUES ASSOCIES A LA RESISTANCE AUX MALADIES DANS LE SOJA**
[72] LIU, QINGLI, US
[72] DIETRICH, ROBERT ARTHUR, US
[72] CURLEY JR., THOMAS JOSEPH, US
[72] HIPSKIND, JOHN DANIEL, US
[72] BREITINGER, BECKY WELSH, US
[72] DAWSON, JOHN LUTHER, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-01-18
[86] 2020-07-31 (PCT/US2020/044367)
[87] (WO2021/022101)
[30] US (62/881,035) 2019-07-31

[21] **3,144,721**
[13] A1
[51] **Int.Cl. B23K 26/06 (2014.01) B23K 26/352 (2014.01) B23K 26/067 (2006.01) G03F 7/20 (2006.01)**
[25] EN
[54] **LASER PROCESSING DEVICE HAVING AN OPTICAL ARRANGEMENT COMPRISING A BEAM SPLITTER**
[54] **DISPOSITIF D'USINAGE AU LASER COMPRENANT UN ENSEMBLE OPTIQUE POURVU D'UN SEPARATEUR DE FAISCEAU**
[72] DYCK, TOBIAS, DE
[71] 4JET MICROTECH GMBH, DE
[85] 2022-01-18
[86] 2020-06-19 (PCT/EP2020/067141)
[87] (WO2021/013447)
[30] DE (10 2019 119 790.2) 2019-07-22

[21] **3,144,722**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **HYPERLOCAL MARKETPLACE VIA SMART HOMES CONNECTED TO THE GRID**
[54] **MARCHE HYPERLOCAL PAR LE BIAIS DE MAISONS INTELLIGENTES CONNECTEES AU RESEAU ELECTRIQUE**
[72] SHAH, SALIK, US
[72] BERMUDEZ, SOPHIE, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-01-18
[86] 2020-07-17 (PCT/US2020/042462)
[87] (WO2021/011848)
[30] US (16/515,347) 2019-07-18

[21] **3,144,723**
[13] A1
[51] **Int.Cl. A47G 5/02 (2006.01) E06B 9/70 (2006.01)**
[25] EN
[54] **SELF-TENSIONING MAGNETIC TRACKS AND TRACK ASSEMBLIES**
[54] **PISTES MAGNETIQUES A TENSION AUTOMATIQUE ET ENSEMBLES PISTES**
[72] JAMES, ARTHUR, US
[72] GROSS, JAN, US
[71] DEFENDER SCREENS INTERNATIONAL LLC, US
[85] 2022-01-18
[86] 2020-07-17 (PCT/US2020/042459)
[87] (WO2021/016059)
[30] US (62/877,083) 2019-07-22

[21] **3,144,724**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/54 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR ENHANCED EXPANSION AND CYTOTOXICITY OF NATURAL KILLER CELLS**
[54] **METHODES ET COMPOSITIONS POUR L'EXPANSION ET LA CYTOTOXICITE AMELIOREES DE LYMPHOCYTES NK**
[72] TRAGER, JAMES BARNABY, US
[72] LAZETIC, ALEXANDRA LEIDA LIANA, US
[72] CHAN, IVAN, US
[72] VOHRA, ANMOL, US
[71] NKARTA, INC., US
[85] 2022-01-18
[86] 2020-07-29 (PCT/US2020/044033)
[87] (WO2021/021907)
[30] US (62/881,311) 2019-07-31
[30] US (62/932,342) 2019-11-07

[21] **3,144,725**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61B 17/68 (2006.01) A61F 2/28 (2006.01) A61M 25/00 (2006.01) A61M 39/02 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **INTRACRANIAL DELIVERY OF MEDICINAL SOLUTION**
[54] **ADMINISTRATION INTRACRANIENNE D'UNE SOLUTION MEDICAMENTEUSE**
[72] IMRAN, MIR, US
[72] HASHIM, MIR, US
[71] INCUBE LABS, LLC, US
[85] 2022-01-18
[86] 2020-07-30 (PCT/US2020/044343)
[87] (WO2021/022088)
[30] US (62/881,875) 2019-08-01

[21] **3,144,726**
[13] A1
[51] **Int.Cl. G02B 27/18 (2006.01) G02B 30/00 (2020.01) G02B 27/30 (2006.01) G09F 9/30 (2006.01) G09F 19/18 (2006.01)**
[25] EN
[54] **LIGHT FIELD PROJECTOR DEVICE**
[54] **DISPOSITIF PROJECTEUR DE CHAMP LUMINEUX**
[72] PECKHAM, JORDAN, CA
[72] WEBBER, DANIEL, CA
[71] AVALON HOLOGRAPHICS INC., CA
[85] 2022-01-18
[86] 2020-08-14 (PCT/CA2020/051117)
[87] (WO2021/026663)
[30] US (62/886,521) 2019-08-14

[21] **3,144,727**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/08 (2006.01)**
[25] FR
[54] **AIR CONDITIONING SYSTEM WITH CABIN AIR RECOVERY**
[54] **SYSTEME DE CONDITIONNEMENT D'AIR A RECUPERATION D'AIR CABINE**
[72] GALZIN, GUILLAUME, FR
[72] BOYE, CEDRIC, FR
[71] LIEBHERR-AEROSPACE TOULOUSE SAS, FR
[85] 2022-01-18
[86] 2020-07-24 (PCT/FR2020/051357)
[87] (WO2021/014106)
[30] FR (1908460) 2019-07-25

[21] **3,144,729**
[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01)**
[25] EN
[54] **PLANT ENCLOSURE WITH VERTICALLY DISTRIBUTED LIGHT SOURCES**
[54] **ENCEINTE POUR PLANTES A SOURCES DE LUMIERE REPARTIES VERTICALEMENT**
[72] MONTAGANO, MICHAEL, CA
[71] MONDI PRODUCTS LTD., CA
[85] 2022-01-18
[86] 2020-08-06 (PCT/CA2020/051073)
[87] (WO2021/022373)
[30] US (62/884,468) 2019-08-08

[21] **3,144,730**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01)**
[25] EN
[54] **PUMP JACK SYSTEM**
[54] **SYSTEME DE VERIN DE POMPE**
[72] VAN KREVEL, J, US
[71] POC HYDRAULIC TECHNOLOGIES, LLC, US
[85] 2022-01-18
[86] 2020-07-24 (PCT/US2020/043408)
[87] (WO2021/021599)
[30] US (62/880,222) 2019-07-30
[30] US (62/887,266) 2019-08-15
[30] US (63/034,580) 2020-06-04

[21] **3,144,731**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C07K 14/735 (2006.01)**
[25] EN
[54] **IMMUNOGLOBULIN FC REGION VARIANTS COMPRISING STABILITY-ENHANCING MUTATIONS**
[54] **VARIANTS DE REGION FC D'IMMUNOGLOBULINE COMPRENANT DES MUTATIONS AMELIORANT LA STABILITE**
[72] DESJARDINS, GENEVIEVE, CA
[72] ESCOBAR-CABRERA, ERIC, CA
[72] SAMIOTAKIS, ANTONIOS, CA
[72] JONES, GAVIN CARL, GB
[71] ZYMEWORKS INC., CA
[85] 2022-01-18
[86] 2021-05-20 (PCT/CA2021/050691)
[87] (WO2021/232163)
[30] US (63/027,569) 2020-05-20
[30] US (63/163,686) 2021-03-19

[21] **3,144,732**
[13] A1
[51] **Int.Cl. G09B 5/06 (2006.01) G10L 21/007 (2013.01) G10L 21/06 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVING READING SKILLS OF USERS WITH READING DISABILITY SYMPTOMS**
[54] **SYSTEME ET PROCEDE POUR AMELIORER LES COMPETENCES DE LECTURE D'UTILISATEURS AYANT DES SYMPTOMES DE TROUBLES DE LA LECTURE**
[72] ALLEN, WILLIAM H., US
[72] THANKAMUSHY, SREEKANTH SUNIL, US
[72] HART, MARCIA PIERSON, US
[71] GIFTED BILL ENTERPRISES LLC, US
[85] 2022-01-18
[86] 2020-07-20 (PCT/US2020/042751)
[87] (WO2021/016172)
[30] US (62/876,326) 2019-07-19

[21] **3,144,733**
[13] A1
[51] **Int.Cl. A61K 38/22 (2006.01) A61K 38/17 (2006.01) A61L 2/16 (2006.01) A61P 31/04 (2006.01)**
[25] FR
[54] **OSTEOCRIN, LEBETIN OR ANP FOR DESTROYING BACTERIAL BIOFILMS**
[54] **L'OSTEOCRINE, LA LEBETINE OU L'ANP POUR DETRUIRE LES BIOFILMS BACTERIENS**
[72] LESOUHAITIER, OLIVIER, FR
[72] FEUILLOLEY, MARC, FR
[72] CLAMENS, THOMAS, GB
[72] RODRIGUES, SOPHIE, FR
[72] LAURENCY, SYLVIE, FR
[72] LOUIS, MELISSANDE, FR
[71] UNIVERSITE DE ROUEN-NORMANDIE, FR
[85] 2022-01-18
[86] 2020-07-24 (PCT/EP2020/071029)
[87] (WO2021/018792)
[30] FR (FR1908511) 2019-07-26

[21] **3,144,734**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C07K 14/735 (2006.01)**
[25] EN
[54] **HETERODIMERIC FC VARIANTS SELECTIVE FOR FC GAMMA RIIB**
[54] **VARIANTS FC HETERODIMERES SELECTIFS POUR FC GAMMA RIIB**
[72] ESCOBAR-CABRERA, ERIC, CA
[72] LAKATOS, GREGORY, CA
[72] PRESTA, LEONARD G., CA
[72] DESJARDINS, GENEVIEVE, CA
[72] MUKHOPADHYAY, ABHISHEK, CA
[72] SAMIOTAKIS, ANTONIOS, CA
[72] DIXIT, SURJIT BHIMARAO, CA
[72] ZHANG, JIAN (JAMES), CA
[72] MCWHIRTER, JAMES LIAM, CA
[72] JONES, GAVIN CARL, GB
[71] ZYMEWORKS INC., CA
[85] 2022-01-18
[86] 2021-05-20 (PCT/CA2021/050690)
[87] (3144734)
[30] US (63/027,787) 2020-05-20

[21] **3,144,735**
[13] A1
[51] **Int.Cl. B65G 43/02 (2006.01) B65G 39/09 (2006.01) H01Q 3/36 (2006.01) H01Q 21/00 (2006.01)**
[25] EN
[54] **A SENSOR ASSEMBLY AND MONITORING SYSTEM FOR AN IDLER ROLLER IN A BELT CONVEYOR SYSTEM**
[54] **ENSEMBLE CAPTEUR ET SYSTEME DE SURVEILLANCE POUR UN CYLINDRE NON COMMANDE DANS UN SYSTEME DE TRANSPORTEUR A COURROIE**
[72] BULL, DAVID JOHN, AU
[72] WHEELER, CRAIG ANTHONY, AU
[72] BULL, JAMES PHILLIP, AU
[72] MEYER, STEPHAN HANS, AU
[71] MINESENSOR ASSETS PTY LTD, AU
[85] 2022-01-18
[86] 2020-08-12 (PCT/AU2020/050837)
[87] (WO2021/026605)
[30] AU (2019902916) 2019-08-13

[21] **3,144,736**
[13] A1
[51] **Int.Cl. F03D 9/00 (2016.01) F03B 13/00 (2006.01) F03B 13/10 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **MULTIMODAL RENEWABLE ENERGY GENERATION SYSTEM**
[54] **SYSTEME DE PRODUCTION D'ENERGIE RENOUVELABLE MULTIMODAL**
[72] PISHARODI, MADHAVAN, US
[71] PISHARODI, MADHAVAN, US
[85] 2022-01-18
[86] 2020-07-15 (PCT/US2020/042071)
[87] (WO2021/011612)
[30] US (62/875,785) 2019-07-18

[21] **3,144,745**
[13] A1
[51] **Int.Cl. B62D 63/02 (2006.01) B60K 1/02 (2006.01)**
[25] EN
[54] **VEHICLE CORNER MODULES AND VEHICLES COMPRISING THEM**
[54] **MODULES DE PIVOT DE VEHICULE ET VEHICULES LES COMPRENANT**
[72] SARDES, AHISHAY, IL
[72] SEGEV, TOMER, IL
[72] DEKEL, RAN, IL
[72] CHIOCLEA, SHMUEL, IL
[72] DORON, NETA, IL
[71] REE AUTOMOTIVE LTD., IL
[85] 2022-01-18
[86] 2020-12-31 (PCT/IB2020/062598)
[87] (WO2021/137194)
[30] US (62/956,358) 2020-01-02

[21] **3,144,769**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) G16H 30/40 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ULTRASOUND PERFUSION IMAGING**
[54] **SYSTEME ET PROCEDE D'IMAGERIE DE PERFUSION ULTRASONORE**
[72] WODLINGER, BRIAN C., CA
[71] EXACT IMAGING INC., CA
[85] 2022-01-19
[86] 2020-07-20 (PCT/CA2020/051002)
[87] (WO2021/012041)
[30] US (62/878,126) 2019-07-24

[21] **3,144,840**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/16 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW PHARMACEUTICAL FORMULATION**
[54] **NOUVELLE FORMULATION PHARMACEUTIQUE**
[72] WAGNER-HATTLER, LEONIE
FLURINA CLAUDE, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-01-19
[86] 2020-07-29 (PCT/EP2020/071332)
[87] (WO2021/018928)
[30] EP (19189386.6) 2019-07-31

[21] **3,144,844**
[13] A1
[51] **Int.Cl. E05D 15/10 (2006.01) E05F 1/16 (2006.01) E05F 5/00 (2017.01)**
[25] EN
[54] **FITTING ARRANGEMENT FOR A LEAF THAT CAN BE MOVED AWAY IN PARALLEL AND CLOSURE ARRANGEMENT FOR A BUILDING OPENING**
[54] **ENSEMBLE RACCORD POUR UN OUVRANT QUI PEUT ETRE ELOIGNE EN PARALLELE ET ENSEMBLE FERMETURE POUR UNE OUVERTURE DE BATIMENT**
[72] KNOTH, DOMINIK, DE
[72] VUKOVIC, ALEKSANDER, DE
[72] GROSS, GERHARD, DE
[72] FINGERLE, STEFAN, DE
[72] ERB, RICHARD, DE
[72] BIENERT, KEVIN, DE
[71] ROTO FRANK FENSTER-UND TURTECHNOLOGIE GMBH, DE
[85] 2022-01-19
[86] 2020-07-27 (PCT/EP2020/071159)
[87] (WO2021/018850)
[30] DE (10 2019 211 424.5) 2019-07-31
[30] DE (10 2019 216 524.9) 2019-10-28

[21] **3,144,853**
[13] A1
[51] **Int.Cl. C11D 7/50 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR USE IN CLEANING METAL COMPONENTS**
[54] **COMPOSITION A UTILISER DANS LE NETTOYAGE DE COMPOSANTS METALLIQUES**
[72] BONTA, JACOB, US
[71] VALVOLINE LICENSING AND INTELLECTUAL PROPERTY LLC, US
[85] 2022-01-19
[86] 2019-08-27 (PCT/US2019/048255)
[87] (WO2021/040695)

[21] **3,144,854**
[13] A1
[51] **Int.Cl. B04B 5/02 (2006.01) B04B 13/00 (2006.01)**
[25] EN
[54] **SEPARATING PARTICLES THROUGH CENTRIFUGAL SEDIMENTATION**
[54] **SEPARATION DE PARTICULES PAR SEDIMENTATION CENTRIFUGE**
[72] INGE, CLAES, SE
[72] FRANZEN, PETER, SE
[72] HAGGMARK, CARL PETRUS, SE
[71] 3NINE AB, SE
[85] 2022-01-19
[86] 2020-08-12 (PCT/SE2020/050779)
[87] (WO2021/034249)
[30] SE (1950957-9) 2019-08-22

[21] **3,144,856**
[13] A1
[51] **Int.Cl. F16D 69/04 (2006.01) B61H 5/00 (2006.01) F16D 65/04 (2006.01) F16D 69/00 (2006.01)**
[25] FR
[54] **RAILWAY BRAKING SYSTEM COMPRISING BRAKE RIGGING, AND RAIL VEHICLE EQUIPPED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UNE TIMONERIE DE FREINAGE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GERBER-PAPIN, DENIS, FR
[72] GONCALVES, CLAUDINO, FR
[72] ORLANDO, EMMANUEL, FR
[71] FAIVELEY TRANSPORT AMIENS, FR
[85] 2022-01-19
[86] 2020-07-23 (PCT/EP2020/070888)
[87] (WO2021/018744)
[30] FR (FR1908512) 2019-07-26
[30] FR (FR1908510) 2019-07-26
[30] FR (FR1911666) 2019-10-18

[21] **3,144,858**
[13] A1
[51] **Int.Cl. E02F 9/22 (2006.01) E21B 3/00 (2006.01) F15B 11/042 (2006.01) F15B 11/044 (2006.01) F15B 13/02 (2006.01)**
[25] EN
[54] **HYDRAULIC SYSTEM, MINING MACHINE AND METHOD OF CONTROLLING HYDRAULIC ACTUATOR**
[54] **SYSTEME HYDRAULIQUE, MACHINE D'EXPLOITATION MINIERE ET PROCEDE DE COMMANDE D'UN ACTIONNEUR HYDRAULIQUE**
[72] POGATSCHNIGG, REINHOLD, AT
[72] UMUNDUM, CHRISTIAN, AT
[71] SANDVIK MINING AND CONSTRUCTION G.M.B.H., AT
[85] 2022-01-19
[86] 2019-08-27 (PCT/EP2019/072744)
[87] (WO2021/037339)

[21] **3,144,872**
[13] A1
[51] **Int.Cl. D21H 17/05 (2006.01) D21H 17/00 (2006.01) D21H 17/06 (2006.01) D21H 17/34 (2006.01) D21H 19/20 (2006.01) D21H 19/56 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **SACCHARIDE FATTY ACID ESTER LATEX BARRIER COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT DE BARRIERE AU LATEX D'ESTER D'ACIDE GRAS DE SACCHARIDE**
[72] BILODEAU, MICHAEL ALBERT, SG
[72] SPENDER, JONATHAN, SG
[71] GREENTECH GLOBAL PTE. LTD., SG
[85] 2022-01-19
[86] 2020-07-29 (PCT/IB2020/057166)
[87] (WO2021/019467)
[30] US (62/881,291) 2019-07-31

[21] **3,144,874**
[13] A1
[51] **Int.Cl. A61K 35/30 (2015.01) A61K 38/17 (2006.01) A61K 48/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR INHIBITING TAU PROTEIN ACCUMULATION, AGGREGATION, AND TANGLE FORMATION**
[54] **COMPOSITION ET METHODE D'INHIBITION DE L'ACCUMULATION, L'AGREGATION ET LA FORMATION D'ENCHEVETREMENTS DE PROTEINE TAU**
[72] KIM, TAE GYUN, KR
[71] INNOPEUTICS CORPORATION, KR
[85] 2022-01-19
[86] 2020-09-15 (PCT/KR2020/012429)
[87] (WO2020/242279)
[30] KR (10-2019-0115466) 2019-09-19
[30] KR (10-2020-0106368) 2020-08-24

[21] **3,144,881**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) A61K 35/763 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **RECOMBINANT HERPES SIMPLEX VIRUS HAVING EXPRESSION CASSETTE CAPABLE OF EXPRESSING FUSION PROTEIN FORMED FROM CANCER CELL TARGETING REGION AND HVEM EXTRACELLULAR DOMAIN, AND USE THEREOF**
[54] **VIRUS DE L'HERPES SIMPLEX RECOMBINANT AYANT UNE CASSETTE D'EXPRESSION POUVANT EXPRIMER UNE PROTEINE DE FUSION FORMEE A PARTIR D'UNE REGION DE CIBLAGE DE CELLULE CANCEREUSE ET D'UN DOMAINE EXTRACELLULAIRE HVEM ET SON UTILISATION**
[72] KWON, HEECHUNG, KR
[72] BAEK, HYUNJUNG, KR
[72] JOO, HYUN YOO, KR
[71] GENCELLMED INC., KR
[71] KOREA INSTITUTE OF RADIOLOGICAL & MEDICAL SCIENCES, KR
[85] 2022-01-19
[86] 2020-08-24 (PCT/KR2020/011224)
[87] (WO2021/034157)
[30] KR (10-2019-0103317) 2019-08-22
[30] KR (10-2020-0072978) 2020-06-16

[21] **3,144,882**
[13] A1
[51] **Int.Cl. B01D 46/00 (2022.01) B01D 46/10 (2006.01) B01D 46/52 (2006.01) B60H 3/06 (2006.01) F02M 35/024 (2006.01)**
[25] EN
[54] **AIR FILTER DEVICE AND FILTER ELEMENT FOR AN AIR FILTER DEVICE OF A MOTOR VEHICLE**
[54] **DISPOSITIF DE FILTRE A AIR ET ELEMENT FILTRANT POUR UN DISPOSITIF DE FILTRE A AIR D'UN VEHICULE A MOTEUR**
[72] ENDERLE, WOLFGANG, DE
[72] SCHUMACHER, ERIC, DE
[71] DAIMLER AG, DE
[85] 2022-01-19
[86] 2021-04-14 (PCT/EP2021/059710)
[87] (WO2021/213869)
[30] DE (10 2020 110 996.2) 2020-04-22

[21] **3,144,885**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITION COMPRISING ANTIBODIES**
[54] **NOUVELLE COMPOSITION COMPRENANT DES ANTICORPS**
[72] JEZEK, JAN, GB
[72] GERRING, DAVID, GB
[71] ARECOR LIMITED, GB
[85] 2022-01-19
[86] 2020-08-07 (PCT/GB2020/051900)
[87] (WO2021/028669)
[30] GB (1911461.0) 2019-08-09

[21] **3,144,886**
[13] A1
[51] **Int.Cl. D21H 17/06 (2006.01) B65D 43/02 (2006.01) D21H 17/00 (2006.01) D21H 17/21 (2006.01) D21H 17/24 (2006.01) D21H 17/25 (2006.01) D21H 19/34 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **HEMICELLULOSE-CONTAINING COATINGS**
[54] **REVETEMENTS CONTENANT DE L'HEMICELLULOSE**
[72] BILODEAU, MICHAEL ALBERT, SG
[72] MIKAIL, SAMUEL, SG
[71] GREENTECH GLOBAL PTE. LTD., SG
[85] 2022-01-19
[86] 2020-07-29 (PCT/IB2020/057167)
[87] (WO2021/019468)
[30] US (62/881,305) 2019-07-31

[21] **3,144,893**
[13] A1
[51] **Int.Cl. B01D 46/00 (2022.01) B01D 46/10 (2006.01) B01D 46/52 (2006.01) B60H 3/06 (2006.01)**
[25] EN
[54] **FILTER ELEMENT FOR AN AIR FILTER DEVICE OF A MOTOR VEHICLE, AND AIR FILTER DEVICE**
[54] **ELEMENT FILTRANT POUR UN DISPOSITIF DE FILTRE A AIR DANS UN VEHICULE A MOTEUR ET DISPOSITIF DE FILTRE A AIR**
[72] SCHUMACHER, ERIC, DE
[71] DAIMLER AG, DE
[85] 2022-01-19
[86] 2021-04-16 (PCT/EP2021/059868)
[87] (WO2021/213906)
[30] DE (10 2020 110 941.5) 2020-04-22
[30] DE (10 2021 000 515.5) 2021-02-02

[21] **3,144,894**
[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01) A61L 15/42 (2006.01)**
[25] EN
[54] **DRESSING FOR PROVIDING LOW OXYGEN ENVIRONMENT**
[54] **PANSEMENT POUR FOURNIR UN ENVIRONNEMENT PAUVRE EN OXYGENE**
[72] LASH, THOMAS E., US
[72] WOJCIECHOWSKI, TIMOTHY, US
[72] BUAN, JOHN, US
[72] MIDDAUGH, RICHARD L., US
[72] ARMSTRONG, EDWARD B., US
[71] ADVANCED DRESSING, LLC, US
[85] 2022-01-19
[86] 2020-07-29 (PCT/US2020/043950)
[87] (WO2021/021851)
[30] US (62/880,317) 2019-07-30

[21] **3,144,896**
[13] A1
[51] **Int.Cl. B65H 19/10 (2006.01)**
[25] EN
[54] **WEB SPLICE**
[54] **RACCORD DE BANDE**
[72] NIU, XIAOKAI, US
[72] RHODES, DAVID E., US
[71] SONOCO DEVELOPMENT INC., US
[85] 2022-01-19
[86] 2020-04-13 (PCT/US2020/027967)
[87] (WO2020/214534)
[30] US (62/833,891) 2019-04-15
[30] US (62/869,191) 2019-07-01

[21] **3,144,898**
[13] A1
[51] **Int.Cl. G06G 7/00 (2006.01)**
[25] EN
[54] **EVENT-BASED CLASSIFICATION OF FEATURES IN A RECONFIGURABLE AND TEMPORALLY CODED CONVOLUTIONAL SPIKING NEURAL NETWORK**
[54] **CLASSIFICATION DE CARACTERISTIQUES BASEE SUR DES EVENEMENTS DANS UN RESEAU NEURONAL IMPULSIONNEL CONVOLUTIF RECONFIGURABLE ET A CODAGE TEMPOREL**
[72] VAN DER MADE, PETER AJ, AU
[72] MANKAR, ANIL S., US
[72] CARLSON, KRISTOFOR D., US
[72] CHENG, MARCO, US
[71] BRAINCHIP, INC., US
[85] 2022-01-19
[86] 2020-07-24 (PCT/US2020/043456)
[87] (WO2021/016544)
[30] US (62/878,426) 2019-07-25

[21] **3,144,899**
[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) C22B 3/00 (2006.01) C22B 3/12 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE RECOVERY OF LITHIUM AND OTHER METALS FROM WASTE LITHIUM ION BATTERIES**
[54] **PROCEDE DE RECUPERATION DE LITHIUM ET D'AUTRES METAUX A PARTIR DE BATTERIES AU LITHIUM-ION USAGEES**
[72] ROHDE, WOLFGANG, DE
[72] GERKE, BIRGIT, DE
[72] VOGELSANG, REGINA, DE
[72] VOGES, MATTHIAS, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] SEELER, FABIAN, DE
[72] ADERMANN, TORBEN, DE
[71] BASF SE, DE
[85] 2022-01-19
[86] 2020-07-24 (PCT/EP2020/071035)
[87] (WO2021/018796)
[30] EP (19188696.9) 2019-07-26
[30] EP (20151674.7) 2020-01-14
[30] EP (20151754.7) 2020-01-14

[21] **3,144,901**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR PROCESSING SENSOR SIGNALS**
[54] **APPAREIL DE TRAITEMENT DE SIGNAUX DE CAPTEUR**
[72] CHENEGROS, GUILLAUME, FR
[72] ROGER, HARMONY, FR
[72] DUMAS, PASCAL, FR
[71] CHRONOLIFE SAS, FR
[85] 2022-01-19
[86] 2020-07-29 (PCT/EP2020/071391)
[87] (WO2021/028223)
[30] EP (PCT/EP2019/071632) 2019-08-12

[21] **3,144,902**
[13] A1
[51] **Int.Cl. C12N 15/117 (2010.01) C12N 15/11 (2006.01)**
[25] EN
[54] **RNA COMBINATIONS AND COMPOSITIONS WITH DECREASED IMMUNOSTIMULATORY PROPERTIES**
[54] **COMBINAISONS D'ARN ET COMPOSITIONS A PROPRIETES IMMUNOSTIMULATRICES REDUITES**
[72] THESS, ANDREAS, DE
[72] CHEVESSIER-TUNNESEN, FREDERIC, DE
[72] LUTZ, JOHANNES, DE
[72] SCHLAKE, THOMAS, DE
[71] CUREVAC AG, DE
[85] 2022-01-19
[86] 2020-08-11 (PCT/EP2020/072516)
[87] (WO2021/028439)
[30] EP (PCT/EP2019/071878) 2019-08-14

[21] **3,144,904**
[13] A1
[51] **Int.Cl. B65D 3/00 (2006.01) B65D 47/36 (2006.01)**
[25] EN
[54] **LID BODY**
[54] **CORPS DE COUVERCLE**
[72] YAMADA, KIKUO, JP
[71] YAMADA, KIKUO, JP
[85] 2022-01-19
[86] 2020-07-30 (PCT/JP2020/029245)
[87] (WO2021/020511)

[21] **3,144,905**
[13] A1
[51] **Int.Cl. B23P 23/00 (2006.01) B23B 45/02 (2006.01) B23P 19/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DRILLING HOLES AND INSTALLING FASTENERS IN VEHICLE STRUCTURES**
[54] **SYSTEME ET PROCEDE DE PERCAGE DE TROUS ET D'INSTALLATION D'ELEMENTS DE FIXATION DANS DES STRUCTURES DE VEHICULE**
[72] SCHROEDER, MATTHEW R., US
[72] JARAMILLO, TODD B., US
[72] PRICE, JOHN ADAM, US
[72] DYE III, JOHN ROBERT, US
[72] KIMBALL, KALEB AARON, US
[71] SPIRIT AEROSYSTEMS, INC., US
[85] 2022-01-19
[86] 2020-12-14 (PCT/US2020/064769)
[87] (WO2021/126733)
[30] US (16/718,493) 2019-12-18
[30] US (16/718,511) 2019-12-18

[21] **3,144,906**
[13] A1
[51] **Int.Cl. D21F 1/00 (2006.01) D21F 7/08 (2006.01) D21F 7/10 (2006.01)**
[25] EN
[54] **A FABRIC FOR A PAPER OR PULP TECHNOLOGY AND A METHOD FOR MANUFACTURING A FABRIC FOR A PAPER OR PULP TECHNOLOGY**
[54] **ETOFFE POUR UNE TECHNOLOGIE DE PAPIER OU DE PATE ET PROCEDE DE FABRICATION D'UNE ETOFFE POUR UNE TECHNOLOGIE DE PAPIER OU DE PATE**
[72] NAAMANKA, JORMA, FI
[72] NIEMINEN, JUHA TAPIO, FI
[71] VALMET TECHNOLOGIES OY, FI
[85] 2022-01-19
[86] 2020-09-03 (PCT/FI2020/050567)
[87] (WO2021/048464)
[30] FI (20195744) 2019-09-09

[21] **3,144,907**
[13] A1
[51] **Int.Cl. F23R 3/28 (2006.01)**
[25] EN
[54] **FUEL INJECTOR WITH A PURGE CIRCUIT FOR AN AIRCRAFT TURBINE ENGINE**
[54] **INJECTEUR DE CARBURANT A CIRCUIT DE PURGE POUR UNE TURBOMACHINE D'AERONEF**
[72] LEDERLIN, THOMAS JEAN OLIVIER, FR
[72] CHANTELOUP, DENIS LUC ALAIN, FR
[72] MEILLEURAT, SIMON ARTHUR, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2022-01-19
[86] 2020-07-16 (PCT/FR2020/051274)
[87] (WO2021/014074)
[30] FR (FR1908419) 2019-07-24

[21] **3,144,908**
[13] A1
[51] **Int.Cl. C01B 33/32 (2006.01)**
[25] EN
[54] **PROCESS OF OBTAINING POWDERED SODIUM SILICATE FROM SAND TAILINGS ORIGINATED FROM THE IRON ORE CONCENTRATION PROCESS**
[54] **PROCEDE D'OBTENTION DE SILICATE DE SODIUM EN POUDRE A PARTIR D'UN REJET SABLEUX PROVENANT DU PROCEDE DE CONCENTRATION DE MINERAI DE FER**
[72] VOGT, JORDANNA CHAMON, BR
[72] LAMEIRAS, FERNANDO SOARES, BR
[71] VALE S.A., BR
[85] 2022-01-19
[86] 2020-07-15 (PCT/BR2020/050261)
[87] (WO2021/035318)
[30] BR (BR1020190180803) 2019-08-30

[21] **3,144,911**
[13] A1
[51] **Int.Cl. H02S 20/25 (2014.01) H02S 40/20 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVING COLOR APPEARANCE OF SOLAR ROOFS**
[54] **SYSTEME ET PROCEDE POUR AMELIORER L'ASPECT DE COULEUR DE TOITS SOLAIRES**
[72] LIU, JOHN, US
[72] KANG, YANGSEN, US
[72] DUONG, ANH N., US
[72] CHAE, YONGKEE, US
[72] PADILLA, MILAN, US
[72] WANG, CHEN, US
[72] LABESQUE, REMY D., US
[71] TESLA, INC., US
[85] 2022-01-19
[86] 2020-08-03 (PCT/US2020/044790)
[87] (WO2021/026093)
[30] US (16/533,524) 2019-08-06

[21] **3,144,914**
[13] A1
[51] **Int.Cl. H04N 21/266 (2011.01) H04N 21/2347 (2011.01) H04N 19/33 (2014.01)**
[25] EN
[54] **SECURE DISTRIBUTION OF MULTI-RESOLUTION POINT CLOUD**
[54] **DISTRIBUTION SECURISEE DE NUAGE DE POINTS A MULTIPLE RESOLUTION**
[72] DIEHL, ERIC, US
[71] SONY GROUP CORPORATION, JP
[71] SONY PICTURES ENTERTAINMENT, INC., US
[85] 2022-01-19
[86] 2020-10-05 (PCT/US2020/054296)
[87] (WO2021/071785)
[30] US (16/596,580) 2019-10-08

[21] **3,144,916**
[13] A1
[51] **Int.Cl. B01J 37/08 (2006.01) B01J 23/75 (2006.01) B01J 23/755 (2006.01) B01J 23/85 (2006.01) B01J 23/883 (2006.01) B01J 37/20 (2006.01)**
[25] EN
[54] **EX-SITU CONDITIONING OF A CATALYST COMPOSITION IN PREPARATION FOR A SULFIDING TREATMENT**
[54] **CONDITIONNEMENT EX-SITU D'UNE COMPOSITION DE CATALYSEUR EN PREPARATION POUR UN TRAITEMENT DE SULFURATION**
[72] BANKER, SEAN MICHAEL, US
[72] SEAMANS, JAMES DALLAS, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2022-01-19
[86] 2020-07-24 (PCT/US2020/043383)
[87] (WO2021/016511)
[30] US (62/878,623) 2019-07-25

[21] **3,144,917**
[13] A1
[51] **Int.Cl. B01D 11/02 (2006.01) A61K 36/185 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **METHOD FOR EXTRACTION**
[54] **PROCEDE D'EXTRACTION**
[72] WOERLEE, GEERT FEYE, NL
[71] FOLIUM BIOSCIENCES EUROPE B.V., NL
[85] 2022-01-19
[86] 2020-07-16 (PCT/EP2020/070165)
[87] (WO2021/013697)
[30] EP (19187456.9) 2019-07-19
[30] EP (19187457.7) 2019-07-19
[30] EP (19187458.5) 2019-07-19

[21] **3,144,918**
[13] A1
[51] **Int.Cl. C12Q 1/24 (2006.01) C12Q 1/6851 (2018.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR MICROBIAL DNA ANALYSIS**
[54] **PROCEDES D'ANALYSE D'ADN MICROBIEN**
[72] HOGAN, MICHAEL EDWARD, US
[72] KATCHMAN, BENJAMIN ALAN, US
[72] RIVAS, CANDY MAVIS, US
[72] BACA, YASMINE EVE, US
[71] PATHOGENDX, INC., US
[85] 2022-01-19
[86] 2020-07-16 (PCT/US2020/042321)
[87] (WO2021/016036)
[30] US (62/876,054) 2019-07-19
[30] US (16/816,481) 2020-03-12

[21] **3,144,919**
[13] A1
[51] **Int.Cl. B23B 27/16 (2006.01)**
[25] EN
[54] **INSERT ADAPTOR AND TURNING TOOL COMPRISING SAME**
[54] **ADAPTATEUR D'INSERT ET OUTIL ROTATIF LE COMPRENANT**
[72] RABOUH, RAFI, IL
[71] ISCAR LTD., IL
[85] 2022-01-19
[86] 2020-07-22 (PCT/IL2020/050811)
[87] (WO2021/019528)
[30] US (16/528,909) 2019-08-01

[21] **3,144,921**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61P 7/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **DOSAGE AND ADMINISTRATION REGIMEN FOR THE TREATMENT OR PREVENTION OF C5-RELATED DISEASES BY THE USE OF THE ANTI-C5 ANTIBODY CROVALIMAB**
[54] **SCHEMA POSOLOGIQUE ET D'ADMINISTRATION POUR LE TRAITEMENT OU LA PREVENTION DE MALADIES LIEES A C5 PAR L'UTILISATION DE L'ANTICORPS ANTI-C5 CROVALIMAB**
[72] SOSTELLY, ALEXANDRE ANTOINE BERNARD, CH
[72] BUATOIS, SIMON BERTRAND MARIE, CH
[72] SOUBRET, ANTOINE, CH
[72] JAMINION, FELIX GREGOIRE JASON, CH
[72] JORDAN, GREGOR, DE
[72] BUCHER, CHRISTOPH, CH
[72] CHAROIN, JEAN-ERIC, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-01-19
[86] 2020-07-30 (PCT/EP2020/071551)
[87] (WO2021/019033)
[30] EP (19189436.9) 2019-07-31
[30] EP (20174781.3) 2020-05-14
[30] EP (20179590.3) 2020-06-11

[21] **3,144,922**
[13] A1
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/126 (2006.01) E21B 33/127 (2006.01)**
[25] EN
[54] **WASHOUT PREVENTION ELEMENT FOR EXPANDABLE METAL SEALING ELEMENTS**
[54] **ELEMENT DE PREVENTION D'ECOULEMENT POUR ELEMENTS METALLIQUES EXPANSIBLES D'ETANCHEITE**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[72] ABEIDOH, ABDEL HAMID R, US
[72] PELTO, CHRISTOPHER MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-01-19
[86] 2019-10-17 (PCT/US2019/056814)
[87] (WO2021/076141)
[30] US (16/655,052) 2019-10-16

[21] **3,144,923**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61P 7/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **DOSAGE AND ADMINISTRATION REGIMEN FOR THE TREATMENT OR PREVENTION OF C5-RELATED DISEASES BY THE USE OF THE ANTI-C5 ANTIBODY CROVALIMAB**
[54] **REGIME POSOLOGIQUE ET D'ADMINISTRATION POUR LE TRAITEMENT OU LA PREVENTION DE MALADIES LIEES A C5 PAR L'UTILISATION DE L'ANTICORPS ANTI-C5 CROVALIMAB**
[72] SOSTELLY, ALEXANDRE ANTOINE BERNARD, CH
[72] BUATOIS, SIMON BERTRAND MARIE, CH
[72] SOUBRET, ANTOINE, CH
[72] JAMINION, FELIX GREGOIRE JASON, CH
[72] JORDAN, GREGOR, DE
[72] BUCHER, CHRISTOPH, CH
[72] CHAROIN, JEAN-ERIC, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-01-19
[86] 2020-07-30 (PCT/EP2020/071555)
[87] (WO2021/019036)
[30] EP (19189442.7) 2019-07-31
[30] EP (20174790.4) 2020-05-14
[30] EP (20179591.1) 2020-06-11

[21] **3,144,928**
[13] A1
[51] **Int.Cl. F42B 12/78 (2006.01) F42B 12/74 (2006.01)**
[25] EN
[54] **BULLET, METHOD OF MANUFACTURING A BULLET, PUNCH FOR MANUFACTURING A BULLET, AND METHOD OF ROTATIONALLY SECURING A BULLET CORE WITH RESPECT TO A BULLET JACKET OF A BULLET**
[54] **BALLE, METHODE DE FABRICATION D'UNE BALLE, POINCON DE FABRICATION D'UNE BALLE ET METHODE DE FIXATION ROTATIONNELLE D'UN NOYAU DE BALLE PAR RAPPORT A UNE CHEMISE DE BALLE**
[72] MUSTER, MICHAEL, CH
[72] BUCHER, MARKUS, CH
[72] MEYER, DONALD, CH
[71] RUAG AMMOTEC AG, CH
[85] 2022-01-19
[86] 2020-08-05 (PCT/EP2020/072036)
[87] (WO2021/023785)
[30] DE (10 2019 121 112.3) 2019-08-05

[21] **3,145,017**
[13] A1
[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/34 (2006.01) B05C 17/01 (2006.01)**
[25] EN
[54] **VARIABLE LENGTH INJECTION SYRINGE**
[54] **SERINGUE D'INJECTION A LONGUEUR VARIABLE**
[72] KNIGHT, JOHN, US
[72] REED, JEFFREY, US
[72] TOWNSEND, SCOTT A., US
[72] MCCALLUM, PATRICK, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-01-20
[86] 2020-07-29 (PCT/US2020/044059)
[87] (WO2021/025922)
[30] US (62/882,277) 2019-08-02

[21] **3,145,019**
[13] A1
[51] **Int.Cl. B65D 83/00 (2006.01) B65D 83/14 (2006.01)**
[25] EN
[54] **DISPENSING RECEPTACLE AND BAG APPARATUS**
[54] **RESERVOIR DE DISTRIBUTION ET APPAREIL DE POCHE**
[72] RIMON, RONEN, IL
[71] RIMON, RONEN, IL
[85] 2022-01-20
[86] 2020-08-17 (PCT/IL2020/050903)
[87] (WO2021/038555)
[30] IL (269047) 2019-09-01

[21] **3,145,026**
[13] A1
[51] **Int.Cl. G06F 16/29 (2019.01) G06T 17/05 (2011.01) G06F 16/901 (2019.01) G08G 5/04 (2006.01)**
[25] EN
[54] **QUADTREE TERRAIN DATA COMPRESSION USING DISTANCE-BASED PRUNING**
[54] **COMPRESSION DE DONNEES DE TERRAIN EN ARBRE QUATERNAIRE UTILISANT UN ELAGAGE BASE SUR LA DISTANCE**
[72] HOWE, GREGORY, US
[71] GULFSTREAM AEROSPACE CORPORATION, US
[85] 2022-01-20
[86] 2020-07-31 (PCT/US2020/044524)
[87] (WO2021/026002)
[30] US (16/534,872) 2019-08-07

[21] **3,145,028**
[13] A1
[51] **Int.Cl. A61M 39/20 (2006.01) A61M 39/16 (2006.01)**
[25] EN
[54] **UNIVERSAL CAP WITH PRESSURE SEAL**
[54] **BOUCHON UNIVERSEL AVEC JOINT DE PRESSION**
[72] JIANG, CHANG, US
[72] MURUGESAN, SARAVANABABU, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-01-20
[86] 2020-08-05 (PCT/US2020/044951)
[87] (WO2021/026199)
[30] US (62/884,285) 2019-08-08

[21] **3,145,038**
[13] A1
[51] **Int.Cl. A23L 29/30 (2016.01) A23L 29/231 (2016.01) A23L 29/269 (2016.01)**
[25] EN
[54] **SUGAR SYRUP COMPOSITION**
[54] **COMPOSITION DE SIROP DE SUCRE**
[72] JOO, KYUNG HO, KR
[72] KIM, KWANG SOO, KR
[71] SAMYANG CORPORATION, KR
[85] 2022-01-20
[86] 2019-07-24 (PCT/KR2019/009194)
[87] (WO2021/015344)

[21] **3,145,039**
[13] A1
[51] **Int.Cl. A61M 39/20 (2006.01) A61M 39/16 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **DISINFECTING CAP WITH PRESSURE SEAL CAPABILITY**
[54] **BOUCHON DESINFECTANT ETANCHE A LA PRESSION**
[72] JIANG, CHANG, US
[72] RYAN, KEVIN M., US
[72] CHAN, MICHAEL KWONG, US
[72] DIMIRCO, DANIEL BENJAMIN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-01-20
[86] 2020-08-05 (PCT/US2020/044942)
[87] (WO2021/030105)
[30] US (62/884,783) 2019-08-09

[21] **3,145,041**
[13] A1
[51] **Int.Cl. A61K 31/122 (2006.01) A61K 31/22 (2006.01) A61K 31/366 (2006.01) A61K 31/375 (2006.01) A61K 31/40 (2006.01) A61K 31/404 (2006.01) A61K 31/4418 (2006.01) A61K 31/455 (2006.01) A61K 31/47 (2006.01) A61K 31/505 (2006.01) A61K 45/06 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **ASCORBATE IN THE PREVENTION OF STATIN INDUCED VASCULAR CALCIFICATION**
[54] **ASCORBATE DANS LA PREVENTION DE LA CALCIFICATION VASCULAIRE INDUITE PAR LA STATINE**
[72] RATH, MATTHIAS, US
[72] IVANOV, VADIM, US
[72] NIEDZWIECKI, ALEKSANDRA, US
[71] RATH, MATTHIAS, US
[85] 2022-01-20
[86] 2020-07-27 (PCT/IB2020/057063)
[87] (WO2021/019421)
[30] US (16/524,383) 2019-07-29
[30] EP (19190436.6) 2019-08-07
[30] US (16/562,313) 2019-09-05

[21] **3,145,055**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/10 (2006.01) A61K 31/573 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61P 27/00 (2006.01) C07J 31/00 (2006.01) C07J 71/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF STERILE OPHTHALMIC AQUEOUS FLUTICASONE PROPIONATE FORM A NANOCRYSTALS SUSPENSIONS**
[54] **PROCEDE DE PREPARATION DE PROPIONATE DE FLUTICASONE AQUEUX OPHTALMIQUE STERILE A PARTIR DE SUSPENSIONS DE NANOCRISTAUX**
[72] BUKOWSKI, JEAN-MICHEL, FR
[72] NADKARNI, AKSHAY, US
[72] BOYER, JOSE L., US
[72] DUQUESROIX-CHAKROUN, BRIGITTE, FR
[72] NAVRATIL, TOMAS, US
[71] NICOX OPHTHALMICS, INC., US
[85] 2022-01-20
[86] 2020-07-21 (PCT/IB2020/056832)
[87] (WO2021/014348)
[30] US (62/877,599) 2019-07-23
[30] US (62/942,551) 2019-12-02

[21] **3,145,057**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 1/16 (2006.01) A61P 31/12 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **A METHOD OF TREATING HBV INFECTION BY USING ANTI-PRE-S1 HBV ANTIBODIES**
[54] **PROCEDE DE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B A L'AIDE D'ANTICORPS ANTI-VHB PRE-S1**
[72] LI, WENHUI, CN
[72] SUI, JIANHUA, CN
[72] CHEN, PAN, CN
[71] HUAHUI HEALTH LTD., CN
[85] 2022-01-20
[86] 2020-07-20 (PCT/CN2020/103121)
[87] (WO2021/013135)
[30] CN (PCT/CN2019/096956) 2019-07-20

[21] **3,145,058**
[13] A1
[51] **Int.Cl. C09C 1/64 (2006.01) C01D 17/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING EFFECT PIGMENT PASTES USING A VIBRATOR**
[54] **PROCEDE DE PRODUCTION DE PATES PIGMENTAIRES A EFFET SPECIAL AU MOYEN D'UN VIBRATEUR**
[72] LEMMER, OLGA, DE
[72] SCHWARTE, STEPHAN, DE
[72] BRUENNEMANN, MICHAEL, DE
[72] KUNKELMANN, CHRISTIAN, DE
[72] HORSTKOETTER, ULRICH, DE
[72] CZAUDERNA, HENDRIK, DE
[72] KLOETTER, SANDRA, DE
[71] BASF COATINGS GMBH, DE
[85] 2022-01-20
[86] 2020-08-12 (PCT/EP2020/072606)
[87] (WO2021/028466)
[30] EP (19191237.7) 2019-08-12

[21] **3,145,059**
[13] A1
[51] **Int.Cl. C07C 2/36 (2006.01) C07C 7/20 (2006.01) C07C 11/02 (2006.01) C07C 11/107 (2006.01)**
[25] EN
[54] **METHODS FOR REDUCING FOULING IN UPGRADING REACTORS**
[54] **PROCEDES DE REDUCTION DE L'ENCRASSEMENT DANS DES REACTEURS DE VALORISATION**
[72] KOENIGS, DAVID, US
[72] EWART, SEAN W., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-01-20
[86] 2020-07-07 (PCT/US2020/040997)
[87] (WO2021/021394)
[30] US (62/880,350) 2019-07-30

[21] **3,145,061**
[13] A1
[51] **Int.Cl. F28G 7/00 (2006.01) B03C 3/76 (2006.01) B08B 7/02 (2006.01) B25D 17/00 (2006.01) B65D 88/66 (2006.01)**
[25] EN
[54] **SPRING HAMMER FOR RAPPING A SURFACE**
[54] **MARTEAU A RESSORT D'EBRANLAGE DE SURFACE**
[72] PEIPPO, RAUNO, FI
[71] SUMITOMO SHI FW ENERGIA OY, FI
[85] 2022-01-20
[86] 2019-08-29 (PCT/EP2019/073156)
[87] (WO2021/037372)

[21] **3,145,064**
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01)**
[25] EN
[54] **COATED PROPPANTS**
[54] **AGENTS DE SOUTENEMENT REVETUS**
[72] AGARWAL, PRAVEEN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-01-20
[86] 2020-01-22 (PCT/US2020/014508)
[87] (WO2021/021242)
[30] US (62/881,149) 2019-07-31

[21] **3,145,068**
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01)**
[25] EN
[54] **COATED PROPPANTS**
[54] **AGENTS DE SOUTENEMENT REVETUS**
[72] AGARWAL, PRAVEEN, US
[72] MEDINA, JUAN CARLOS, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-01-20
[86] 2020-04-30 (PCT/US2020/030587)
[87] (WO2021/021262)
[30] US (62/881,149) 2019-07-31
[30] US (PCT/US2020/014508) 2020-01-22

[21] **3,145,070**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) F04D 13/10 (2006.01) F04D 29/08 (2006.01)**
[25] EN
[54] **ELECTRICAL SUBMERSIBLE PUMP SEAL SECTION REDUCED LEAKAGE FEATURES**
[54] **PARTIE JOINT DE POMPE SUBMERSIBLE ELECTRIQUE AYANT DES CARACTERISTIQUES DE FUITE REDUITES**
[72] RUTTER, RISA, US
[72] HOWELL, ALAN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-01-20
[86] 2020-07-30 (PCT/US2020/044316)
[87] (WO2021/022075)
[30] US (62/880,814) 2019-07-31
[30] US (16/941,332) 2020-07-28

[21] **3,145,074**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/415 (2006.01) A61K 45/06 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS AND USES FOR APELIN RECEPTOR AGONISTS**
[54] **METHODES ET UTILISATIONS POUR AGONISTES DE RECEPTEUR DE L'APELINE**
[72] MAITRA, RANGAN, US
[72] NARAYANAN, SANJU, US
[72] REHDER, KENNETH S., US
[72] RUNYON, SCOTT P., US
[71] RESEARCH TRIANGLE INSTITUTE, US
[85] 2022-01-20
[86] 2020-08-28 (PCT/US2020/048375)
[87] (WO2021/041791)
[30] US (62/893,661) 2019-08-29

[21] **3,145,075**
[13] A1
[51] **Int.Cl. B22F 9/10 (2006.01)**
[25] EN
[54] **METHOD FOR THE OBTAINING COST EFFECTIVE POWDER**
[54] **PROCEDE POUR L'OBTENTION ECONOMIQUE DE POUDRE**
[72] VALLS ANGLES, ISAAC, ES
[71] INNOMAQ 21, S.L., ES
[85] 2022-01-20
[86] 2019-07-29 (PCT/EP2019/070379)
[87] (WO2020/021122)
[30] ES (P201800179) 2018-07-27
[30] EP (18382878.9) 2018-11-30

[21] **3,145,076**
[13] A1
[51] **Int.Cl. F16K 27/00 (2006.01)**
[25] EN
[54] **QUICK CONNECT ACTUATOR**
[54] **ACTIONNEUR A RACCORD RAPIDE**
[72] CHOATE, JEREMY RYAN, US
[72] ADAMS, KEITH, US
[72] LAW, ROBERT, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-01-20
[86] 2020-07-17 (PCT/US2020/042555)
[87] (WO2021/021466)
[30] US (16/527,696) 2019-07-31

[21] **3,145,077**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING TOAD SECRETION COMPOUNDS**
[54] **COMPOSITIONS CONTENANT DES COMPOSES A BASE DE SECRETIONS DE CRAPAUD**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[85] 2022-01-20
[86] 2020-07-23 (PCT/US2020/043204)
[87] (WO2021/016423)
[30] US (62/877,639) 2019-07-23
[30] US (62/877,619) 2019-07-23
[30] US (62/877,629) 2019-07-23
[30] US (62/877,668) 2019-07-23
[30] US (62/877,642) 2019-07-23
[30] US (62/877,664) 2019-07-23
[30] US (62/877,674) 2019-07-23
[30] US (62/877,649) 2019-07-23
[30] US (62/877,659) 2019-07-23
[30] US (62/877,635) 2019-07-23
[30] US (62/877,628) 2019-07-23
[30] US (62/877,662) 2019-07-23
[30] US (62/877,625) 2019-07-23
[30] US (62/877,672) 2019-07-23
[30] US (62/877,648) 2019-07-23
[30] US (62/877,653) 2019-07-23
[30] US (62/877,634) 2019-07-23
[30] US (62/877,618) 2019-07-23
[30] US (62/877,654) 2019-07-23
[30] US (62/877,645) 2019-07-23
[30] US (62/877,658) 2019-07-23
[30] US (62/877,651) 2019-07-23
[30] US (62/877,643) 2019-07-23

[21] **3,145,079**
[13] A1
[51] **Int.Cl. B65D 65/40 (2006.01) B32B 15/08 (2006.01)**
[25] EN
[54] **RESIN COATED METAL SHEET, CONTAINER, AND METHOD OF EVALUATION**
[54] **PLAQUE METALLIQUE REVETUE DE RESINE, RECEPTACLE, ET PROCEDE D'EVALUATION**
[72] HIRAGUCHI, TOMONARI, JP
[72] KITAGAWA, JUNICHI, JP
[72] KAWAI, YUYA, JP
[72] FUJIMOTO, SOICHI, JP
[72] OSHIMA, YASUHIDE, JP
[71] JFE STEEL CORPORATION, JP
[85] 2022-01-20
[86] 2020-07-31 (PCT/JP2020/029382)
[87] (WO2021/020548)
[30] JP (2019-140453) 2019-07-31

[21] **3,145,080**
[13] A1
[51] **Int.Cl. B32B 27/36 (2006.01) B32B 15/08 (2006.01) B32B 15/09 (2006.01) B65D 25/34 (2006.01) B65D 65/40 (2006.01)**
[25] EN
[54] **RESIN COATED METAL SHEET AND CONTAINER**
[54] **PLAQUE METALLIQUE REVETUE DE RESINE, ET RECEPTACLE**
[72] FUJIMOTO, SOICHI, JP
[72] HIRAGUCHI, TOMONARI, JP
[72] OSHIMA, YASUHIDE, JP
[72] KAWAI, YUYA, JP
[72] KOJIMA, KATSUMI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2022-01-20
[86] 2020-07-31 (PCT/JP2020/029411)
[87] (WO2021/020556)
[30] JP (2019-140454) 2019-07-31

[21] **3,145,085**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B29B 17/04 (2006.01) B29C 49/00 (2006.01) B32B 1/02 (2006.01) B32B 7/12 (2006.01) B32B 27/18 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B65D 1/00 (2006.01) C08J 5/00 (2006.01) C08J 11/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **MULTILAYER STRUCTURES HAVING IMPROVED RECYCLABILITY**
[54] **STRUCTURES MULTICOUCHES AYANT UNE APTITUDE AU RECYCLAGE AMELIOREE**
[72] BARBOSA, FELIPE DANTAS, BR
[72] GOMES, JORGE CAMINERO, BR
[72] LUTKENHAUS, DAVIDSON, BR
[72] MAZZOLA, NICOLAS CARDOSO, BR
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-01-20
[86] 2020-07-23 (PCT/US2020/043241)
[87] (WO2021/021551)
[30] US (62/881,734) 2019-08-01

[21] **3,145,086**
[13] A1
[51] **Int.Cl. A47J 43/04 (2006.01) A47J 27/00 (2006.01) A47J 43/00 (2006.01)**
[25] EN
[54] **VARIABLE TEMPERATURE BLENDER**
[54] **MELANGEUR A TEMPERATURE VARIABLE**
[72] ATINAJA, BRIAN, US
[71] COLUMBIA INSURANCE COMPANY, US
[85] 2022-01-20
[86] 2020-07-25 (PCT/US2020/043636)
[87] (WO2021/016610)
[30] US (62/878,571) 2019-07-25

[21] **3,145,091**
[13] A1
[51] **Int.Cl. C11B 13/00 (2006.01) A23L 33/105 (2016.01) A23L 33/11 (2016.01) C11B 11/00 (2006.01) C11C 3/00 (2006.01) C11C 3/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF STEROLS AND/OR TOCOPHEROLS WITH RECOVERY OF BY-PRODUCTS**
[54] **PROCEDE DE PRODUCTION DE STEROLS ET/OU DE TOCOPHEROLS AVEC RECUPERATION DE SOUS-PRODUITS**
[72] EYCHENNE, VALERIE, FR
[72] BASSO, YANNICK, FR
[72] VALLEJO, OLIVIER, FR
[71] BASF SE, DE
[71] BASF HEALTH AND CARE PRODUCTS FRANCE S.A.S., FR
[85] 2022-01-20
[86] 2020-09-24 (PCT/EP2020/076723)
[87] (WO2021/058647)
[30] EP (19200109.7) 2019-09-27

[21] **3,145,093**
[13] A1
[51] **Int.Cl. A63F 13/90 (2014.01) A63F 13/95 (2014.01) A63H 33/26 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **AN INTERACTIVE APPARATUS**
[54] **APPAREIL INTERACTIF**
[72] BALLHATCHET, THOMAS, GB
[72] DENKER, FILIP, GB
[72] DRURY, BENJAMIN, GB
[72] SMITH, PAUL, GB
[71] YOTO LIMITED, GB
[85] 2022-01-20
[86] 2020-07-10 (PCT/GB2020/051674)
[87] (WO2021/014122)
[30] GB (1910552.7) 2019-07-24

[21] **3,145,101**
[13] A1
[51] **Int.Cl. A01N 57/20 (2006.01) A01N 25/02 (2006.01) A01N 25/06 (2006.01) A01N 25/10 (2006.01) A01N 25/30 (2006.01) A01N 43/40 (2006.01) A01N 47/24 (2006.01)**
[25] EN
[54] **POLYMERS FOR SPRAY DRIFT CONTROL OF PESTICIDE SPRAY**
[54] **POLYMERES POUR REGULER L'ENTRAINEMENT PAR LE VENT DE PESTICIDE PULVERISE**
[72] ANDERSON, TIMOTHY H, US
[72] OESTER, DEAN A, US
[71] BASF SE, DE
[85] 2022-01-20
[86] 2020-08-26 (PCT/EP2020/073793)
[87] (WO2021/043642)
[30] US (62/895,170) 2019-09-03
[30] EP (19208222.0) 2019-11-11

[21] **3,145,104**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **BLOOD PUMP**
[54] **POMPE A SANG**
[72] KERKHOFFS, WOLFGANG, DE
[72] GRAUWINKEL, MARIUS, DE
[71] ABIOMED EUROPE GMBH, DE
[85] 2022-01-20
[86] 2020-09-01 (PCT/EP2020/074371)
[87] (WO2021/043776)
[30] EP (19194971.8) 2019-09-02

[21] **3,145,107**
[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 31/4184 (2006.01) A61K 47/40 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **BENDAMUSTINE COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE BENDAMUSTINE ET SON UTILISATION**
[72] JING, YUE, CN
[72] YAN, QING, CN
[71] BIKA BIOTECH (GUANGZHOU) CO., LTD, CN
[85] 2022-01-20
[86] 2020-04-09 (PCT/CN2020/084038)
[87] (WO2021/203377)

[21] **3,145,110**
[13] A1
[51] **Int.Cl. B25B 15/00 (2006.01) B21K 5/04 (2006.01) B23P 15/00 (2006.01) B25B 13/04 (2006.01) B25B 13/06 (2006.01) B25B 15/02 (2006.01)**
[25] EN
[54] **ADVANCED HOLDING APPARATUS**
[54] **APPAREIL DE SUPPORT AVANCE**
[72] KUKUCKA, PAUL, US
[72] KUKUCKA, THOMAS STEFAN, US
[71] GRIP HOLDINGS LLC, US
[85] 2022-01-20
[86] 2020-07-30 (PCT/IB2020/057231)
[87] (WO2021/019500)
[30] IB (PCT/IB2019/056500) 2019-07-30
[30] US (16/548,470) 2019-08-22
[30] US (16/942,658) 2020-07-29

[21] **3,145,112**
[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **ENGINEERED NUCLEIC ACID REGULATORY ELEMENT AND METHODS OF USES THEREOF**
[54] **ELEMENT REGULATEUR D'ACIDE NUCLEIQUE MODIFIE ET SES PROCEDES D'UTILISATION**
[72] QIAO, CHUNPING, US
[72] MCDOUGALD, DEVIN, US
[71] REGENXBIO INC., US
[85] 2022-01-20
[86] 2020-07-24 (PCT/US2020/043578)
[87] (WO2021/021661)
[30] US (62/879,358) 2019-07-26
[30] US (63/023,152) 2020-05-11
[30] US (62/967,480) 2020-01-29

[21] **3,145,114**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) C12Q 1/68 (2018.01) C40B 30/04 (2006.01) C40B 40/06 (2006.01)**
[25] EN
[54] **TARGETED HYBRID CAPTURE METHODS FOR DETERMINATION OF T CELL REPERTOIRES**
[54] **PROCEDES DE CAPTURE HYBRIDE CIBLEE POUR DETERMINER DES REPERTOIRES DE LYMPHOCYTES T**
[72] RAYMOND, CHRIS, US
[72] HERNANDEZ, JENNIFER, US
[72] SHAFFER, TRISTAN, US
[71] RESOLUTION BIOSCIENCE, INC., US
[85] 2022-01-20
[86] 2020-06-18 (PCT/US2020/038474)
[87] (WO2021/034401)
[30] US (62/887,938) 2019-08-16

[21] **3,145,115**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **DIFFERENT FORMS OF 6-CHLORO-2-ETHYL-N-(4-(4-(4-(TRIFLUOROMETHOXY)PHENYL)PIPERIDINE-1-YL)BENZYL)IMIDAZO[1,2-A]PYRIDINE-3-CARBOXAMIDE**
[54] **FORMES DIFFERENTES DE 6-CHLORO-2-ETHYL-N-(4-(4-(4-(TRIFLUOROMETHOXY)PHENYL)PIPERIDINE-1-YL)BENZYL)IMIDAZO[1,2-A]PYRIDINE-3-CARBOXAMIDE**
[72] NAM, KIYEAN, KR
[72] KIM, JAESEUNG, KR
[72] JUNG, CHUNWON, KR
[72] LEE, SAEYEON, KR
[71] QURIENT CO., LTD., KR
[85] 2022-01-20
[86] 2019-07-30 (PCT/EP2019/070524)
[87] (WO2021/018387)

[21] **3,145,116**
[13] A1
[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/165 (2006.01) A61M 5/36 (2006.01) A61M 5/38 (2006.01)**
[25] EN
[54] **PRIMING APPARATUS FOR A DRIP CHAMBER OF A FLUID INFUSION SYSTEM**
[54] **APPAREIL D'AMORCAGE POUR UNE CHAMBRE DE GOUTTE-A-GOUTTE D'UN SYSTEME DE PERFUSION DE FLUIDE**
[72] GUGEL, GEROLD, US
[72] GESSLER, RYAN, US
[72] CONSTUBLE, DALE, US
[71] MOBILE I.V. SYSTEMS, LLC, US
[85] 2022-01-20
[86] 2020-07-27 (PCT/US2020/043776)
[87] (WO2021/021756)
[30] US (62/879,262) 2019-07-26

[21] **3,145,117**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 17/05 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOLS, MULTI-LATERAL INTERVENTION SYSTEMS AND METHODS TO DEPLOY A TUBULAR INTO A LATERAL BOREHOLE OF A MULTI-LATERAL WELL**
[54] **OUTILS DE FOND DE TROU, SYSTEMES D'INTERVENTION MULTILATERALE ET PROCEDES POUR DEPLOYER UN ELEMENT TUBULAIRE DANS UN TROU DE FORAGE LATERAL D'UN PUITS MULTILATERAL**
[72] RODRIGUEZ, FRANKLIN CHARLES, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-01-20
[86] 2019-12-04 (PCT/US2019/064487)
[87] (WO2021/107963)
[30] US (16/696,992) 2019-11-26

[21] **3,145,118**
[13] A1
[51] **Int.Cl. E21B 23/01 (2006.01) E21B 33/00 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **PRESSURE REDUCING METAL ELEMENTS FOR LINER HANGERS**
[54] **ELEMENTS METALLIQUES DE REDUCTION DE PRESSION POUR DISPOSITIF DE SUSPENSION POUR COLONNE PERDUE**
[72] GRECI, STEPHEN MICHAEL, US
[72] FRIPP, MICHAEL LINLEY, US
[72] SEVADJIAN, EMILE EDMUND, US
[72] GHARESI, ABDOLREZA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-01-20
[86] 2019-12-24 (PCT/US2019/068493)
[87] (WO2021/126278)
[30] US (16/719,586) 2019-12-18

[21] **3,145,120**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61P 11/00 (2006.01) C07D 213/81 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **PYRIDINE DERIVATIVES AS TMEM16A MODULATORS FOR USE IN THE TREATMENT OF RESPIRATORY CONDITIONS**
[54] **DERIVES DE PYRIDINE UTILISES EN TANT QUE MODULATEURS DE TMEM16A DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'AFFECTIONS RESPIRATOIRES**
[72] COLLINGWOOD, STEPHEN, GB
[72] BUXTON, CRAIG, GB
[72] HARGRAVE, JONATHAN DAVID, GB
[72] INGRAM, PETER, GB
[72] SCHOFIELD, THOMAS BEAUREGARD, GB
[72] SHAIKH, ABDUL, GB
[72] STIMSON, CHRISTOPHER, GB
[71] TMEM16A LIMITED, GB
[85] 2022-01-20
[86] 2020-07-24 (PCT/GB2020/051778)
[87] (WO2021/014166)
[30] GB (1910607.9) 2019-07-24
[30] GB (2005739.4) 2020-04-20

[21] **3,145,183**
[13] A1
[51] **Int.Cl. B63B 22/06 (2006.01) B63C 7/26 (2006.01)**
[25] FR
[54] **METHOD FOR LOCATING DRIFTING SUBMERGED GEAR**
[54] **PROCEDE DE LOCALISATION D'UN ENGIN IMMERGE DERIVANT**
[72] BIOUSSE, PATRICE, FR
[71] BIOUSSE, PATRICE, FR
[85] 2022-01-21
[86] 2020-07-23 (PCT/EP2020/070868)
[87] (WO2021/018738)
[30] FR (FR1908550) 2019-07-26

[21] **3,145,209**
[13] A1
[51] **Int.Cl. A01D 34/01 (2006.01) A01D 34/04 (2006.01) G05D 1/00 (2006.01)**
[25] EN
[54] **DYNAMICALLY ADJUSTING THE CUTTING HEIGHT OF A MOWER DECK BASED ON A MOWER'S LOCATION**
[54] **AJUSTAGE DYNAMIQUE DE LA HAUTEUR DE COUPE D'UN CHASSIS DE TONDEUSE SUR LA BASE DE L'EMPLACEMENT DE LA TONDEUSE**
[72] APOSHIAN, STEVEN, US
[72] ASTON, ERIC, US
[72] DECKER, WILLIAM, US
[72] JEPPSON, SETH, US
[72] LEBLANC, MARK, US
[72] NEUNER, AUSTIN, US
[72] LIMPERT, ANDREW, US
[71] FIREFLY AUTOMATIX, INC., US
[85] 2022-01-21
[86] 2020-08-04 (PCT/US2020/044812)
[87] (WO2021/026107)
[30] US (16/532,240) 2019-08-05

[21] **3,145,214**
[13] A1
[51] **Int.Cl. C09K 11/77 (2006.01) H01L 33/50 (2010.01)**
[25] EN
[54] **NARROW GREEN-EMITTING PHOSPHORS**
[54] **PHOSPHORES A BANDE ETROITE EMETTANT DE LA LUMIERE VERTE**
[72] BRGOCH, JAKOAH, GB
[72] ZHUO, YA, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043167)
[87] (WO2021/016411)
[30] US (62/877,603) 2019-07-23

[21] **3,145,223**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR ADOPTIVE IMMUNOTHERAPY**
[54] **COMPOSITION ET PROCEDE D'IMMUNOTHERAPIE ADOPTIVE**
[72] YANG, WEN, US
[71] YANG, WEN, US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/043072)
[87] (WO2021/016353)
[30] US (62/877,331) 2019-07-23
[30] US (63/044,059) 2020-06-25

[21] **3,145,224**
[13] A1
[51] **Int.Cl. C01G 25/00 (2006.01) H01M 4/13 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) C01G 33/00 (2006.01) C01G 49/00 (2006.01) C04B 35/486 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **METHOD OF PREPARATION OF A GARNET-TYPE INORGANIC MATERIAL**
[54] **METHODE DE PREPARATION D'UN MATERIAU INORGANIQUE DE TYPE GRENAT**
[72] TOTH, REKA, FR
[72] BERTRY, LAURE, FR
[72] BUISSETTE, VALERIE, FR
[72] LE MERCIER, THIERRY, FR
[72] BRAIDA, MARC-DAVID, FR
[72] AMISSE, ROBIN, FR
[71] RHODIA OPERATIONS, FR
[85] 2022-01-21
[86] 2020-07-29 (PCT/EP2020/071436)
[87] (WO2021/023599)
[30] EP (19315084.4) 2019-08-06

[21] **3,145,239**
[13] A1
[51] **Int.Cl. C07K 16/22 (2006.01) G16H 20/10 (2018.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **PERSONALIZED TREATMENT OF OPHTHALMOLOGIC DISEASES**
[54] **TRAITEMENT PERSONNALISE DE MALADIES OPHTALMOLOGIQUES**
[72] LIN, HUGH, US
[72] OSBORNE, AARON, US
[72] SILVERMAN, DAVID ANDREW, GB
[72] WEIKERT, ROBERT JAMES, CH
[72] WILLIS, JEFFREY R., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] GENENTECH, INC., US
[85] 2022-01-21
[86] 2020-08-06 (PCT/EP2020/072088)
[87] (WO2021/023804)
[30] US (62/883,499) 2019-08-06

[21] **3,145,245**
[13] A1
[51] **Int.Cl. A23K 50/00 (2016.01) G06Q 50/04 (2012.01)**
[25] EN
[54] **INDIVIDUALIZED ANIMAL DRY FOOD COMPOSITION**
[54] **COMPOSITION ALIMENTAIRE SECHE INDIVIDUALISEE POUR ANIMAUX**
[72] ROCHE, JEAN-BAPTISTE, FR
[72] ECOCHARD, CLAUDE, FR
[72] PEREA, SALLY, US
[71] MARS, INCORPORATED, US
[85] 2022-01-21
[86] 2020-09-23 (PCT/US2020/052172)
[87] (WO2021/061743)
[30] EP (19198990.4) 2019-09-23

[21] **3,145,252**
[13] A1
[51] **Int.Cl. C12M 1/34 (2006.01) G05B 13/04 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING PROCESS VARIABLES IN CELL CULTIVATION PROCESSES**
[54] **PROCEDE DE DETERMINATION DE VARIABLES DE PROCESSUS DANS DES PROCESSUS DE CULTURE CELLULAIRE**
[72] ERHARD, KRISTINA, DE
[72] GROSSKOPF, TOBIAS, DE
[72] PAUL, WOLFGANG, DE
[72] STEFKE, DANIEL, DE
[72] VENKATESWARAN, SRIRAM, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-01-21
[86] 2020-08-12 (PCT/EP2020/072560)
[87] (WO2021/028453)
[30] EP (19191807.7) 2019-08-14

[21] **3,145,254**
[13] A1
[25] EN
[54] **METHOD OF CONTEXTUAL SPEECH DECODING FROM THE BRAIN**
[54] **PROCEDE DE DECODAGE DE PAROLE CONTEXTUEL A PARTIR DU CERVEAU**
[72] CHANG, EDWARD F., US
[72] MOSES, DAVID A., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-01-21
[86] 2020-07-27 (PCT/US2020/043706)
[87] (WO2021/021714)
[30] US (62/879,957) 2019-07-29

[21] **3,145,257**
[13] A1
[51] **Int.Cl. B29C 67/00 (2017.01) C09D 11/033 (2014.01) C09D 11/30 (2014.01)**
[25] EN
[54] **THIOL-ACRYLATE ELASTOMERS FOR 3D PRINTING**
[54] **ELASTOMERES THIOL-ACRYLATE POUR IMPRESSION 3D**
[72] LUND, BENJAMIN R., US
[72] HUFFSTETLER, JESSE, US
[71] ADAPTIVE 3D TECHNOLOGIES, LLC, US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043326)
[87] (WO2021/016481)
[30] US (62/877,832) 2019-07-23

[21] **3,145,259**
[13] A1
[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/14 (2006.01) A61M 5/168 (2006.01) A61M 5/20 (2006.01) G01P 5/26 (2006.01)**
[25] EN
[54] **IMPROVED FLOW CHANNEL FOR FLOW RATE MEASUREMENT**
[54] **CANAL D'ECOULEMENT AMELIORE POUR MESURE DE DEBIT**
[72] PETISCE, JAMES R., US
[72] MAUL, CHRISTOPHER, US
[72] METTERS, ANDREW T., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043254)
[87] (WO2021/016446)
[30] US (62/878,382) 2019-07-25

[21] **3,145,260**
[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USER ENTRAINMENT**
[54] **SYSTEMES ET PROCEDES D'ENTRAINEMENT D'UTILISATEUR**
[72] AUGER, STEPHEN, US
[72] BOVA, JEFFREY S., US
[71] INTO TECHNOLOGIES INC., US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043324)
[87] (WO2021/016480)
[30] US (62/877,602) 2019-07-23
[30] US (62/961,435) 2020-01-15
[30] US (63/049,203) 2020-07-08

[21] **3,145,262**
[13] A1
[51] **Int.Cl. A23B 4/02 (2006.01) A23B 4/12 (2006.01) A23B 4/24 (2006.01) A23L 3/3454 (2006.01) A23L 3/358 (2006.01)**
[25] EN
[54] **ZINC COMPOUNDS IN FOOD IMMERSION APPLICATIONS**
[54] **COMPOSES DE ZINC DANS DES APPLICATIONS D'IMMERSION D'ALIMENTS**
[72] PERRY, LINDSEY, US
[72] COLEMAN, TODD, US
[72] PARSONS, KATE, US
[71] SAFE FOODS CORPORATION, US
[85] 2022-01-21
[86] 2020-07-24 (PCT/US2020/043410)
[87] (WO2021/021601)
[30] US (62/879,258) 2019-07-26

[21] **3,145,263**
[13] A1
[51] **Int.Cl. A61K 31/70 (2006.01) A61K 47/60 (2017.01) A61P 7/00 (2006.01)**
[25] EN
[54] **USE OF HIGHLY POTENT MULTIMERIC E-SELECTIN ANTAGONISTS FOR TREATING SICKLE CELL DISEASE**
[54] **UTILISATION D'ANTAGONISTES D'E-SELECTINE MULTIMERIQUES HAUTEMENT PUISSANTS POUR LE TRAITEMENT DE LA DREPANOCYTOSE**
[72] MAGNANI, JOHN L., US
[72] FOGLER, WILLIAM E., US
[71] GLYCOMIMETICS, INC., US
[85] 2022-01-21
[86] 2020-07-30 (PCT/US2020/044177)
[87] (WO2021/021994)
[30] US (62/881,297) 2019-07-31

[21] **3,145,264**
[13] A1
[51] **Int.Cl. G01J 5/22 (2006.01) G01J 5/24 (2006.01)**
[25] FR
[54] **INFRARED SENSOR ABLE TO CAPTURE INSTANTANEOUSLY**
[54] **CAPTEUR INFRAROUGE A CAPTURE INSTANTANEE**
[72] ROBERT, PATRICK, FR
[71] LYNRED, FR
[85] 2022-01-21
[86] 2020-06-26 (PCT/EP2020/068030)
[87] (WO2021/043456)
[30] FR (FR1909764) 2019-09-05

[21] **3,145,265**
[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/9789 (2017.01) A61K 8/9794 (2017.01) A61K 8/06 (2006.01) A61K 8/97 (2017.01) A61K 36/28 (2006.01) A61K 36/48 (2006.01) A61K 36/51 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITIONS COMPRISING PLANT EXTRACTS AND USES THEREOF**
[54] **COMPOSITIONS COSMETIQUES COMPRENANT DES EXTRAITS VEGETAUX ET LEURS UTILISATIONS**
[72] LINTNER, KARL, MT
[72] GOLDSTEIN, MINDY S., MT
[72] PALEFSKY, IRWIN, MT
[72] GERSTEIN, FRANCINE, MT
[72] RICKFORD, NADEIRA, MT
[71] ALUMIER EUROPE LIMITED, MT
[85] 2022-01-21
[86] 2020-07-24 (PCT/EP2020/070908)
[87] (WO2021/013973)
[30] EP (19305976.3) 2019-07-24

[21] **3,145,266**
[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/592 (2006.01) C09K 8/594 (2006.01)**
[25] EN
[54] **FOAMING FORMULATIONS FOR ENHANCED OIL RECOVERY**
[54] **FORMULATIONS MOUSSANTES POUR LA RECUPERATION ASSISTEE DU PETROLE**
[72] MORVAN, MIKEL, FR
[72] LALANNE-AULET, DAVID, FR
[71] RHODIA OPERATIONS, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2022-01-21
[86] 2020-07-30 (PCT/EP2020/071575)
[87] (WO2021/023633)
[30] EP (19190051.3) 2019-08-05

[21] **3,145,267**
[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **INFORMATION INDICATION METHOD AND APPARATUS, TERMINAL, BASE STATION AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL D'INDICATION D'INFORMATIONS, TERMINAL, STATION DE BASE, ET SUPPORT DE STOCKAGE**
[72] FANG, HUIYING, CN
[72] DAI, BO, CN
[72] SHA, XIUBIN, CN
[72] YANG, WEIWEI, CN
[71] ZTE CORPORATION, CN
[85] 2022-01-21
[86] 2020-05-09 (PCT/CN2020/089335)
[87] (WO2021/012749)
[30] CN (201910675207.1) 2019-07-24

[21] **3,145,268**
[13] A1
[51] **Int.Cl. A61K 31/255 (2006.01) A61K 47/50 (2017.01) C07C 327/22 (2006.01) C07D 213/34 (2006.01) C07D 213/59 (2006.01)**
[25] EN
[54] **AMINOTHIOLESTER COMPOUNDS AND USES THEREOF**
[54] **COMPOSES AMINOTHIOLESTERS ET LEURS UTILISATIONS**
[72] CEYLAN, ISMAIL, FR
[72] MARTIN, GUILLAUME, FR
[72] PEREZ, MILEIDYS, FR
[72] BERROU, AXELLE, FR
[71] ADVANCED BIODESIGN, FR
[85] 2022-01-21
[86] 2020-07-31 (PCT/EP2020/071640)
[87] (WO2021/019071)
[30] EP (19305989.6) 2019-07-31

[21] **3,145,269**
[13] A1
[51] **Int.Cl. A61K 31/425 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIPLE SCLEROSIS**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] BURCKLEN, MICHEL, CH
[72] EL AKKAD, TAREK, US
[72] HENNESSY, BRIAN, CH
[72] VACLAVKOVA, ANDREA, CH
[72] KEENAN, ALEXANDER, US
[71] ACTELION PHARMACEUTICALS LTD, CH
[85] 2022-01-21
[86] 2020-07-21 (PCT/EP2020/070507)
[87] (WO2021/013815)
[30] US (62/877,108) 2019-07-22

[21] **3,145,270**
[13] A1
[51] **Int.Cl. A01N 43/54 (2006.01) A01N 43/10 (2006.01) A01N 43/40 (2006.01) A01N 43/50 (2006.01) A01N 43/56 (2006.01) A01N 43/653 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMBINATIONS, MIXTURES AND COMPOSITIONS AND USES THEREOF**
[54] **COMBINAISONS, MELANGES ET COMPOSITIONS FONGIQUES ET UTILISATIONS ASSOCIEES**
[72] SHABTAI, SAMI, IL
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2022-01-21
[86] 2020-07-21 (PCT/IB2020/056828)
[87] (WO2021/014346)
[30] US (62/877,180) 2019-07-22

[21] **3,145,271**
[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING SUBSURFACE SOIL LAYER CHARACTERISTICS BASED ON RADAR DATA AND SECONDARY SOIL PARAMETERS**
[54] **SYSTEME ET PROCEDE POUR DETERMINER DES CARACTERISTIQUES DE COUCHE DE SOL SUBSURFACIQUE SUR LA BASE DE DONNEES RADAR ET DE PARAMETRES DE SOL SECONDAIRES**
[72] FERRARI, LUCA, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/042982)
[87] (WO2021/021508)
[30] US (16/523,116) 2019-07-26

[21] **3,145,273**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01) B32B 17/06 (2006.01) E06B 3/66 (2006.01)**
[25] FR
[54] **INSULATING GLAZING WITH LOW-POWER HEATING AND HIGH MECHANICAL STRENGTH**
[54] **VITRAGE ISOLANT CHAUFFANT A FAIBLE PUISSANCE ET RESISTANCE MECANIQUE ELEVEE**
[72] TONDU, THOMAS, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-01-21
[86] 2020-08-04 (PCT/EP2020/071864)
[87] (WO2021/037496)
[30] FR (FR1909538) 2019-08-30

[21] **3,145,275**
[13] A1
[51] **Int.Cl. G02F 3/00 (2006.01) H01S 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUANTUM DATA BUFFERING**
[54] **SYSTEME ET PROCEDE DE MISE EN MEMOIRE TAMPON DE DONNEES QUANTIQUES**
[72] BRUCE, JOHN A., US
[71] BRUCE, JOHN A., US
[85] 2022-01-21
[86] 2020-09-22 (PCT/US2020/051982)
[87] (WO2021/061634)
[30] US (62/907,645) 2019-09-29

[21] **3,145,276**
[13] A1
[51] **Int.Cl. C07C 29/86 (2006.01) C07F 9/53 (2006.01)**
[25] EN
[54] **EXTRACTION OF ALIPHATIC ALCOHOLS**
[54] **EXTRACTION D'ALCOOLS ALIPHATIQUES**
[72] HAAS, THOMAS, DE
[72] RICHTER, CHRISTIAN, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2022-01-21
[86] 2020-07-23 (PCT/EP2020/070765)
[87] (WO2021/018715)
[30] EP (19188881.7) 2019-07-29

[21] **3,145,278**
[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/00 (2006.01) A61P 31/14 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **HUMAN MONOCLONAL ANTIBODIES TO ENTEROVIRUS D68**
[54] **ANTICORPS MONOCLONAUX HUMAINS DIRIGES CONTRE L'ENTEROVIRUS D68**
[72] CROWE, JR. JAMES E., US
[72] VOGT, MATTHEW R., US
[71] VANDERBILT UNIVERSITY, US
[85] 2022-01-21
[86] 2020-07-24 (PCT/US2020/043415)
[87] (WO2021/021605)
[30] US (62/878,955) 2019-07-26
[30] US (63/047,330) 2020-07-02
[30] US (62/899,503) 2019-09-12

[21] **3,145,279**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) G06T 7/80 (2017.01) G06K 9/00 (2022.01) H04N 7/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CALIBRATING IMAGE DATA DURING AN AGRICULTURAL OPERATION USING A COLOR INDICATOR**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE DE DONNEES D'IMAGE PENDANT UNE OPERATION AGRICOLE A L'AIDE D'UN INDICATEUR COLORE**
[72] FERRARI, LUCA, US
[72] STANHOPE, TREVOR, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/042977)
[87] (WO2021/021506)
[30] US (16/522,862) 2019-07-26

[21] **3,145,280**
[13] A1
[51] **Int.Cl. C01B 21/064 (2006.01) C08K 9/04 (2006.01) C08L 63/00 (2006.01) C08L 75/04 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **BORON NITRIDE POWDER, METHOD OF MANUFACTURING BORON NITRIDE POWDER, RESIN MATERIAL, AND METHOD OF MANUFACTURING RESIN MATERIAL**
[54] **POUDRE DE NITRURE DE BORE, PROCEDE DE PRODUCTION DE POUDRE DE NITRURE DE BORE, MATERIAU DE RESINE ET PROCEDE DE PRODUCTION DE MATERIAU DE RESINE**
[72] TAHARA, DAISUKE, JP
[72] MASUOKA, HIROYUKI, JP
[72] MATSUZAKI, AKIRA, JP
[71] JFE STEEL CORPORATION, JP
[85] 2022-01-21
[86] 2020-09-29 (PCT/JP2020/037010)
[87] (WO2021/070690)
[30] JP (2019-184692) 2019-10-07

[21] **3,145,281**
[13] A1
[51] **Int.Cl. C08F 293/00 (2006.01) C10M 145/14 (2006.01) C10M 151/02 (2006.01)**
[25] EN
[54] **LIPOPHYLIC COPOLYMERS COMPRISING POLAR MULTI-BLOCKS, PROCESS FOR THE PREPARATION THEREOF AND USE IN LUBRICATING COMPOSITIONS**
[54] **COPOLYMERES LIPOPHILES COMPRENANT DES MULTIBLOCS POLAIRES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION DANS DES COMPOSITIONS LUBRIFIANTES**
[72] NOTARI, MARCELLO, IT
[72] PO', RICCARDO, IT
[72] ASSANELLI, GIULIO, IT
[72] LAUS, MICHELE, IT
[72] SPARNACCI, KATIA, IT
[71] ENI S.P.A., IT
[85] 2022-01-21
[86] 2020-07-29 (PCT/IB2020/057141)
[87] (WO2021/024100)
[30] IT (102019000013836) 2019-08-02

[21] **3,145,282**
[13] A1
[51] **Int.Cl. A01B 49/02 (2006.01) A01B 63/111 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETERMINING MATERIAL ACCUMULATION RELATIVE TO GROUND ENGAGING TOOLS OF AN AGRICULTURAL IMPLEMENT AND RELATED METHODS**
[54] **SYSTEME DE DETERMINATION DE L'ACCUMULATION DE MATIERE RELATIVE A DES OUTILS DE MISE EN PRISE AVEC LE SOL D'UN EQUIPEMENT AGRICOLE ET PROCEDES ASSOCIES**
[72] SMITH, KEVIN M., US
[72] HARMON, JOSHUA DAVID, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[85] 2022-01-21
[86] 2020-07-27 (PCT/US2020/043661)
[87] (WO2021/021695)
[30] US (16/524,788) 2019-07-29

[21] **3,145,283**
[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) G06F 3/04845 (2022.01) A01B 79/00 (2006.01) G01C 11/00 (2006.01) G01S 7/04 (2006.01) G01S 7/51 (2006.01) G01S 13/89 (2006.01) G01S 17/89 (2020.01) G06F 3/14 (2006.01) G01C 7/02 (2006.01) G06T 3/40 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING A VISUAL INDICATION OF FIELD SURFACE CONDITIONS**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UNE INDICATION VISUELLE DE L'ETAT DE LA SURFACE D'UN CHAMP**
[72] FERRARI, LUCA, US
[72] ZEMENCHIK, ROBERT A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[85] 2022-01-21
[86] 2020-07-28 (PCT/US2020/043852)
[87] (WO2021/021795)
[30] US (16/525,950) 2019-07-30

[21] **3,145,285**
[13] A1
[51] **Int.Cl. C07D 213/81 (2006.01) A61K 31/44 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **SOLID FORMS OF N-TERT-BUTYL-4[[2-(5-CHLORO-2-HYDROXY-PHNEYL)ACETYL]AMINO]PYRIDINE-2-CARBOXAMIDE**
[54] **FORMES SOLIDES DE N-TERT-BUTYL-4[[2-(5-CHLORO-2-HYDROXY-PHNEYL)ACETYL]AMINO]PYRIDINE-2-CARBOXAMIDE**
[72] COLLINGWOOD, STEPHEN, GB
[72] MELLING, ROBERT, GB
[71] TMEM16A LIMITED, GB
[85] 2022-01-21
[86] 2020-07-24 (PCT/GB2020/051779)
[87] (WO2021/014167)
[30] GB (1910664.0) 2019-07-25

[21] **3,145,286**
[13] A1
[51] **Int.Cl. A61K 31/551 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF PYRIMIDINO DIAZEPINE DERIVATIVE**
[54] **FORMES CRISTALLINES D'UN DERIVE DE PYRIMIDINO DIAZEPINE**
[72] SKEAD, BENJAMIN, GB
[72] NORTHEN, JULIAN, GB
[72] ATHERTON, CHRIS, GB
[72] MYKYTIUK, JOHN, GB
[71] CYCLACEL LIMITED, GB
[85] 2022-01-21
[86] 2020-08-14 (PCT/GB2020/051952)
[87] (WO2021/032959)
[30] GB (1911797.7) 2019-08-16
[30] GB (2008588.2) 2020-06-08

[21] **3,145,287**
[13] A1
[51] **Int.Cl. A61K 31/551 (2006.01) A61P 35/00 (2006.01) C07D 295/073 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A PYRIMIDINO-DIAZEPINE DERIVATIVE**
[54] **PROCEDE DE PREPARATION D'UN DERIVE DE PYRIMIDINO-DIAZEPINE**
[72] SKEAD, BENJAMIN, GB
[72] LONDESBROUGH, DEREK, GB
[72] CZYZEWSKI, MICHAL, GB
[72] ATHERTON, CHRIS, GB
[72] GILL, CHRIS, GB
[72] HUDSON, ALEX, GB
[71] CYCLACEL LIMITED, GB
[85] 2022-01-21
[86] 2020-08-14 (PCT/GB2020/051950)
[87] (WO2021/032958)
[30] GB (1911796.9) 2019-08-16
[30] GB (2008591.6) 2020-06-08

[21] **3,145,297**
[13] A1
[51] **Int.Cl. F02D 23/00 (2006.01) F02B 33/44 (2006.01) F02B 37/00 (2006.01) F02B 37/04 (2006.01) F02B 37/18 (2006.01) F02B 39/10 (2006.01)**
[25] EN
[54] **TURBO-BOOST CONTROLLED INTAKE SYSTEM**
[54] **SYSTEME D'ADMISSION COMMANDE PAR TURBO-AMPLIFICATION**
[72] FIELLO, JONATHAN RICHARD, US
[72] HECK, GILBERT, US
[72] WILLIAMS, STEVE, US
[71] K&N ENGINEERING, INC., US
[85] 2022-01-21
[86] 2020-07-24 (PCT/US2020/043610)
[87] (WO2021/016595)
[30] US (62/878,256) 2019-07-24
[30] US (16/937,326) 2020-07-23

[21] **3,145,369**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **USE OF CANNABIDIOL IN THE TREATMENT OF DRAVET SYNDROME**
[54] **UTILISATION DE CANNABIDIOL DANS LE TRAITEMENT DU SYNDROME DE DRAVET**
[72] GUY, GEOFFREY, GB
[72] WHALLEY, BENJAMIN, GB
[72] PATRA, PABITRA, GB
[71] GW RESEARCH LIMITED, GB
[85] 2022-01-24
[86] 2020-07-27 (PCT/GB2020/051803)
[87] (WO2021/019231)
[30] GB (1910803.4) 2019-07-29

[21] **3,145,380**
[13] A1
[51] **Int.Cl. H04N 19/186 (2014.01) H04N 19/11 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS RELATED TO INTRA PREDICTION MODE**
[54] **CODEUR, DECODEUR ET PROCEDES CORRESPONDANTS RELATIFS A UN MODE DE PREDICTION INTRA**
[72] WANG, BIAO, DE
[72] ESENLIK, SEMIH, DE
[72] GAO, HAN, DE
[72] KOTRA, ANAND MEHER, DE
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-01-24
[86] 2020-07-17 (PCT/CN2020/102524)
[87] (WO2021/013053)
[30] EP (PCT/EP2019/069944) 2019-07-24
[30] EP (PCT/EP2019/072611) 2019-08-23

[21] **3,145,393**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01) G06Q 50/28 (2012.01) G16Y 10/05 (2020.01)**
[25] EN
[54] **LOCAL PRODUCTIVITY PREDICTION AND MANAGEMENT SYSTEM**
[54] **SYSTEME DE PREDICTION ET DE GESTION DE PRODUCTIVITE LOCALE**
[72] JENSEN, ASHLEY, AU
[71] SMARTA INDUSTRIAL PTY LTD, AU
[85] 2022-01-24
[86] 2020-08-29 (PCT/AU2020/000093)
[87] (WO2021/011991)

[21] **3,145,403**
[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **BONE-BINDING COMPOUNDS**
[54] **COMPOSES DE LIAISON A L'OS**
[72] SAVAGE, PAUL B., US
[72] SCHINDELER, AARON, AU
[72] VALTCHEV, PETER, AU
[72] KAMBLE, SUMEDH, AU
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043563)
[87] (WO2021/016583)
[30] US (62/878,199) 2019-07-24

[21] **3,145,407**
[13] A1
[51] **Int.Cl. B65D 19/38 (2006.01)**
[25] EN
[54] **ADJUSTABLE SHORING BEAM AND HOOK ASSEMBLY**
[54] **POUTRE D'ETAYAGE REGLABLE ET ENSEMBLE CROCHET**
[72] HENDERSON, DYLAN, US
[72] ALBERS, DAVID, US
[72] BELIN, MARK, US
[71] INNOVATIVE LOGISTICS, INC., US
[85] 2022-01-24
[86] 2020-07-29 (PCT/US2020/043998)
[87] (WO2021/021881)
[30] US (62/879,793) 2019-07-29

[21] **3,145,408**
[13] A1
[51] **Int.Cl. H05B 3/14 (2006.01) H01J 1/22 (2006.01) H01J 1/24 (2006.01) H05B 3/48 (2006.01)**
[25] EN
[54] **MULTI-APERTURED CONDUCTION HEATER**
[54] **ELEMENT CHAUFFANT PAR CONDUCTION A OUVERTURES MULTIPLES**
[72] EBERSOHN, FRANS HENDRIK, US
[72] SOVEREIGN, RANDALL JAMES, US
[72] SULLIVAN, REGINA MARIKO, US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2022-01-24
[86] 2020-07-09 (PCT/US2020/041336)
[87] (WO2021/021410)
[30] US (16/529,454) 2019-08-01

[21] **3,145,516**
[13] A1
[51] **Int.Cl. A01K 29/00 (2006.01) A61B 5/00 (2006.01) A61D 17/00 (2006.01) G01N 21/35 (2014.01)**
[25] EN
[54] **FERTILITY PREDICTION IN ANIMALS**
[54] **PREDICTION DE LA FERTILITE CHEZ LES ANIMAUX**
[72] PRYCE, JENNIE ELIZABETH, AU
[72] HO, PHUONG NGOC, AU
[71] DAIRY AUSTRALIA LIMITED, AU
[71] AGRICULTURE VICTORIA SERVICES PTY LTD, AU
[71] GEOFFREY GARDINER DAIRY FOUNDATION LIMITED, AU
[85] 2022-01-24
[86] 2020-07-24 (PCT/AU2020/050756)
[87] (WO2021/012011)
[30] AU (2019902639) 2019-07-25

[21] **3,145,697**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61K 31/5517 (2006.01) A61K 31/7076 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **IMMUNOCONJUGATE**
[54] **IMMUNOCONJUGUE**
[72] CLARK, GEORGINA JANE, AU
[72] ABADIR, EDWARD, AU
[71] DENDROCYTE BIOTECH PTY LTD, AU
[85] 2022-01-25
[86] 2020-07-30 (PCT/AU2020/050781)
[87] (WO2021/016668)
[30] AU (2019902714) 2019-07-30

[21] **3,146,229**
[13] A1
[51] **Int.Cl. A61C 7/00 (2006.01)**
[25] EN
[54] **AN ORTHODONTIC APPLIANCE INCLUDING VIBRATION SOURCE.**
[54] **APPAREIL ORTHODONTIQUE COMPRENANT UNE SOURCE DE VIBRATION**
[72] PENN, DAVID, AU
[71] DAVID PENN CONSULTING PTY. LTD., AU
[85] 2022-01-28
[86] 2020-07-29 (PCT/AU2020/000074)
[87] (WO2021/016650)
[30] AU (2019902701) 2019-07-29

[21] **3,146,249**
[13] A1
[51] **Int.Cl. B60R 1/06 (2006.01) B60R 1/074 (2006.01) B60R 1/078 (2006.01)**
[25] EN
[54] **VEHICLE MIRRORS**
[54] **RETROVISEURS DE VEHICULE**
[72] MILES, SHANE ROBERT, AU
[71] MILES, SHANE ROBERT, AU
[85] 2022-01-28
[86] 2020-08-06 (PCT/AU2020/050810)
[87] (WO2021/022335)
[30] AU (2019902836) 2019-08-08

[21] **3,146,931**
[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **SUBCULTURE SAMPLING DEVICE**
[54] **DISPOSITIF DE PRELEVEMENT DE SOUS-CULTURES**
[72] WHELAN, CHRIS, AU
[71] NOBLE HOUSE GROUP PTY. LTD., AU
[85] 2022-02-03
[86] 2020-08-03 (PCT/AU2020/050797)
[87] (WO2021/022326)
[30] AU (2019902782) 2019-08-03

[21] **3,147,134**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A23C 9/12 (2006.01) A23C 9/127 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **LACTOBACILLUS PARACASEI 207-27 AND USE THEREOF**
[54] **LACTOBACILLUS PARACASEI 207-27 ET SON UTILISATION**
[72] ZHANG, XUGUANG, CN
[72] ZE, XIAOLEI, CN
[72] HE, RUIKUN, CN
[72] HE, FANG, CN
[71] BYHEALTH CO., LTD., CN
[85] 2022-01-28
[86] 2021-02-01 (PCT/CN2021/074672)
[87] (3147134)
[30] CN (202010858415.8) 2020-08-24

[21] **3,147,635**
[13] A1
[51] **Int.Cl. F04C 15/06 (2006.01) F04C 2/22 (2006.01)**
[25] EN
[54] **PORTABLE FLUID PUMP**
[54] **POMPE A FLUIDE PORTABLE**
[72] FANCOTE, MICHAEL, AU
[72] FANCOTE, GAVIN, AU
[71] ENTIRE R&D PTY LTD, AU
[85] 2022-02-10
[86] 2020-08-10 (PCT/AU2020/000079)
[87] (WO2021/026583)
[30] AU (2019902906) 2019-08-12

[21] **3,148,312**
[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **PYRAZOLO[3,4-B]PYRAZINE SHP2 PHOSPHATASE INHIBITORS**
[54] **INHIBITEURS DE PYRAZOLO[3,4-B]PYRAZINE SHP2 PHOSPHATASE**
[72] HOWARD, STEVEN, GB
[72] LIEBESCHUETZ, JOHN WALTER, GB
[72] SHIMAMURA, TADASHI, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[71] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2022-01-20
[86] 2020-08-20 (PCT/IB2020/057815)
[87] (WO2021/033153)
[30] GB (1911928.8) 2019-08-20

[21] **3,148,446**
[13] A1
[51] **Int.Cl. B66C 19/00 (2006.01) B66C 13/00 (2006.01) B66D 1/22 (2006.01) B66F 11/00 (2006.01)**
[25] EN
[54] **HOIST AND DEPLOYABLE EQUIPMENT APPARATUS, SYSTEM, AND METHOD**
[54] **APPAREIL, SYSTEME ET PROCEDE DE TREUIL ET D'EQUIPEMENT DEPLOYABLE**
[72] SIKORA, DEREK, US
[72] GOODRICH, LOGAN, US
[72] STEHLING, DANIEL, US
[72] OSTER, JONATHAN, US
[72] CARR, CALEB B., US
[72] CARR, PATRICK, US
[71] VITA INCLINATA TECHNOLOGIES, INC., US
[85] 2022-01-21
[86] 2020-07-21 (PCT/US2020/042936)
[87] (WO2021/016277)
[30] US (62/876,721) 2019-07-21
[30] US (62/931,666) 2019-11-06

[21] **3,148,447**
[13] A1
[51] **Int.Cl. A61K 31/4433 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF 7-CHLORO-2-(4-(3-METHOXYAZETIDIN-1-YL)CYCLOHEXYL)-2,4-DIMETHYL-N-((6-METHYL-4-(METHYLTHIO)-2-OXO-1,2-DIHYDROPYRIDIN-3-YL)METHYL)BENZO[D][1,3]DIOXOLE-5-CARBOXA MIDE**
[54] **FORMES CRISTALLINES DE 7-CHLORO-2-(4-(3-METHOXYAZETIDINE-1-YL))CYCLOHEXYL) 2,4-DIMETHYL-N-((6-METHYL-4-(METHYLTHIO)-2-OXO-1,2-DIHYDROPYRIDINE-3-YL) METHYL)BENZO[D][1,3]DIOXOLE-5-C ARBOXAMIDE**
[72] BANDA, ALAMELU, US
[72] GEHLING, VICTOR S., US
[71] CONSTELLATION PHARMACEUTICALS, INC., US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043178)
[87] (WO2021/016414)
[30] US (62/878,012) 2019-07-24

[21] **3,148,449**
[13] A1
[51] **Int.Cl. E21B 7/24 (2006.01) E21B 4/14 (2006.01) E21B 28/00 (2006.01) E21B 34/10 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **ON DEMAND FLOW PULSING SYSTEM**
[54] **SYSTEME D'IMPULSIONS D'ECOULEMENT A LA DEMANDE**
[72] TRINH, KHOI, US
[72] BHAGWANDIN, STEVE, US
[72] XIA, YUFANG, US
[72] FORSTER, IAN, US
[71] NATIONAL OILWELL DHT, L.P., US
[85] 2022-01-21
[86] 2020-07-21 (PCT/US2020/042943)
[87] (WO2021/016282)
[30] US (62/877,168) 2019-07-22

[21] **3,148,450**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G01N 33/48 (2006.01) G06F 7/00 (2006.01)**
[25] EN
[54] **MANAGING AND ACCESSING EXPERIMENT DATA USING REFERENTIAL IDENTIFIERS**
[54] **GESTION DE DONNEES EXPERIMENTALES ET ACCES AUXDITES DONNEES A L'AIDE D'IDENTIFIANTS DE REFERENTIELS**
[72] MARTINEZ, JUAN SANTIAGO MEDINA, US
[72] PAPPAEMMANUIL, ELLI, US
[72] KUNG, ANDREW, US
[72] OSSA, JUAN ESTEBAN ARANGO, US
[72] LEVINE, MAX FINE, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043257)
[87] (WO2021/016448)
[30] US (62/877,724) 2019-07-23

[21] **3,148,452**
[13] A1
[51] **Int.Cl. B60L 53/16 (2019.01) B60L 53/00 (2019.01) B60L 53/10 (2019.01) B60L 53/30 (2019.01)**
[25] EN
[54] **SYSTEM FOR USE IN DOCKING AND CHARGING MICRO-MOBILITY ELECTRIC VEHICLES**
[54] **SYSTEME UTILISABLE DANS L'ARRIMAGE ET DANS LA CHARGE DE VEHICULES ELECTRIQUES A MICRO-MOBILITE**
[72] DEPPE, PETER, US
[72] SPITLER, II, SCOTT, US
[71] KUHMUTE INC., US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/042973)
[87] (WO2021/016297)
[30] US (62/876,916) 2019-07-22

[21] **3,148,454**
[13] A1
[51] **Int.Cl. C07D 333/58 (2006.01)**
[25] EN
[54] **BICYCLIC CX3CR1 RECEPTOR AGONISTS**
[54] **AGONISTES BICYCLIQUES DU RECEPTEUR**
[72] PEVARELLO, PAOLO, IT
[72] RAY, WILLIAM, US
[72] HAMBY, MARY, US
[72] LIGHTFOOT, YAIMA LUZARDO, US
[72] JONES, PHILIP, US
[72] THOMAS, RUSSELL, IT
[72] LIBERATI, CHIARA, IT
[72] TORINO, DOMENICA, IT
[72] CUSANO, VALENTINA, IT
[72] PISCITELLI, FRANCESCO, IT
[72] YOUSIF, ALI, IT
[72] BOVOLENTA, SILVIA, IT
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] AXXAM S.P.A., IT
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043258)
[87] (WO2021/016449)
[30] US (62/877,660) 2019-07-23

[21] **3,148,456**
[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **INITIATING OR POSTPONING RADIO TRANSMISSIONS IN COMPLIANCE WITH DWELL TIME LIMITATIONS**
[54] **INITIATION OU REPORT DE TRANSMISSIONS RADIO EN CONFORMITE AVEC DES LIMITATIONS DE TEMPS DE SEJOUR**
[72] LOWELL, ALAN BLAIR, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/042991)
[87] (WO2021/016304)
[30] US (16/521,763) 2019-07-25

[21] **3,148,458**
[13] A1
[51] **Int.Cl. F16K 1/16 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **SANITARY CLEAN-IN-PLACE BUTTERFLY VALVE WITH LOW ACTUATION FORCE**
[54] **ROBINET A PAPILLON SANITAIRE DE NETTOYAGE EN PLACE A FAIBLE FORCE D'ACTIONNEMENT**
[72] THOMPSON, DONOVAN S., US
[71] INOVANCE, INC., US
[71] THOMPSON, DONOVAN S., US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043278)
[87] (WO2021/016456)
[30] US (16/519,598) 2019-07-23

[21] **3,148,460**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/01 (2006.01) F16L 1/26 (2006.01)**
[25] EN
[54] **HORIZONTAL CONNECTOR SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RACCORD HORIZONTAL**
[72] SHIRANI, ALIREZA, US
[72] ROBERTS, JOHN A., US
[72] POLASEK, TOMMY D., US
[72] KALIA, AKSHAY, US
[72] MERCER, TED, US
[72] THERIOT, PHILLIP M., US
[72] WERTZ, THOMAS, US
[72] DA ENCARNACAO, LUIS HENRIQUE, BR
[72] YOUNG, ALEXANDER, US
[72] GONZALEZ, GUSTAVO, US
[71] ONESUBSEA IP UK LIMITED, GB
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/043051)
[87] (WO2021/016341)
[30] US (16/520,054) 2019-07-23

[21] **3,148,461**
[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/14 (2006.01) B01D 53/72 (2006.01)**
[25] EN
[54] **TEXTURED SORBENT SHEETS, ASSEMBLIES CONTAINING THEM, AND MOLDS FOR MAKING SAME**
[54] **FEUILLES DE SORBANT TEXTUREES, ENSEMBLES LES CONTENANT, ET MOULES POUR LEUR FABRICATION**
[72] GREENBANK, MICHAEL, US
[72] SKALYO, JEFFREY J., US
[72] SMALES, MATTHEW P., US
[72] TRAMPOSCH, WALTER G., US
[71] CALGON CARBON CORPORATION, US
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/043092)
[87] (WO2021/016362)
[30] US (62/877,125) 2019-07-22

[21] **3,148,465**
[13] A1
[51] **Int.Cl. B29C 64/124 (2017.01) A61L 27/58 (2006.01) A61L 31/14 (2006.01) C08G 63/02 (2006.01) C08J 3/24 (2006.01) C08L 67/07 (2006.01)**
[25] EN
[54] **ADDITIVE MANUFACTURING OF VINYL, PHOTOCROSSLINKABLE POLYMERS**
[54] **FABRICATION ADDITIVE DE POLYMERES VINYLIQUES PHOTORETICULABLES**
[72] BOIRE, TIMOTHY C., US
[72] MILLER, JORDAN S., US
[72] GRIGORYAN, BAGRAT, US
[72] SEARS, CANDICE, US
[71] VENOSTENT, INC., US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043159)
[87] (WO2021/016406)

[21] **3,148,468**
[13] A1
[51] **Int.Cl. C10G 1/00 (2006.01) C10G 1/04 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR THE ABOVE GROUND EXTRACTION OF CRUDE OIL FROM OIL BEARING MATERIALS**
[54] **PROCEDE ET SYST?ME D'EXTRACTION A CIEL OUVERT DE PETROLE BRUT A PARTIR DE MATI?RES PETROLIF?RES**
[72] COMFORT, CHARLES H., III, US
[72] ROGERS, TRACY D., US
[72] ROGERS, RONNIE D., US
[72] RHOTEN, AARON T., US
[72] DOYLE, MICHAEL P., US
[72] DOYLE, LELAND, US
[72] PLUNKETT, TYLER R., US
[72] COMFORT, CHARLES H., IV, US
[71] TRC OPERATING COMPANY, INC., US
[85] 2022-01-21
[86] 2020-07-23 (PCT/US2020/043341)
[87] (WO2021/016488)
[30] US (16/519,967) 2019-07-23

[21] **3,148,469**
[13] A1
[51] **Int.Cl. G06Q 50/26 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **REAL-TIME MOBILITY POLICY ENGINE**
[54] **MOTEUR DE POLITIQUE DE MOBILITE EN TEMPS REEL**
[72] LEVIN, ZACHARY, US
[72] CASTO, CHRISTIANA, US
[71] CUBIC CORPORATION, US
[85] 2022-01-21
[86] 2020-07-24 (PCT/US2020/043522)
[87] (WO2021/021639)
[30] US (62/879,320) 2019-07-26

[21] **3,148,470**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/28 (2006.01)**
[25] EN
[54] **SUTURE PASSERS**
[54] **PASSEURS DE SUTURE**
[72] DIDUCH, DAVID R., US
[72] GREGOIRE, DAVID, US
[72] WHITE, GEORGE W., US
[71] SMITH & NEPHEW, INC., US
[71] SMITH & NEPHEW ORTHOPAEDICS AG, CH
[71] SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED, SG
[85] 2022-01-21
[86] 2020-07-22 (PCT/US2020/043025)
[87] (WO2021/016324)
[30] US (62/877,277) 2019-07-22

[21] **3,148,471**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/4784 (2011.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR PROVIDING ADVERTISEMENTS**
[54] **PROCEDE ET SYSTEME DE FOURNITURE DE PUBLICITES**
[72] QUEK, SHU CHING, SG
[72] QUEK, TOI MIEN, SG
[72] SOH, HAN LIM, SG
[71] NOOGGI PTE LTD, SG
[85] 2022-01-22
[86] 2019-07-24 (PCT/SG2019/050359)
[87] (WO2021/015665)

[21] **3,148,473**
[13] A1
[51] **Int.Cl. F16C 7/06 (2006.01) F16G 11/12 (2006.01)**
[25] EN
[54] **LOCKING ELEMENT FOR RELEASABLY LOCKING A ROTATIONAL MOVEMENT OF AN ADAPTER RELATIVE TO A BODY OF A PUSH-PULL ROD, AND PUSH-PULL ROD COMPRISING SUCH A LOCKING ELEMENT**
[54] **ELEMENT DE VERROUILLAGE POUR VERROUILLER DE MANIERE LIBERABLE UN MOUVEMENT DE ROTATION D'UN ADAPTATEUR PAR RAPPORT A UN CORPS D'UNE TIGE DE TRACTION-COMPRESSION ET TIGE DE TRACTIO N-COMPRESSION POURVUE D'UN TEL ELEMENT DE VERROUILLAGE**
[72] KLEMBARA, LUKAS, SK
[72] KAMMERER, BERNHARD, AT
[71] FACC AG, AT
[85] 2022-01-24
[86] 2020-10-07 (PCT/AT2020/060356)
[87] (WO2021/068016)
[30] AT (GM 50176/2019) 2019-10-07

[21] **3,148,474**
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01) B65G 11/16 (2006.01)**
[25] EN
[54] **PROTECTION SYSTEMS**
[54] **SYSTEMES DE PROTECTION**
[72] SENANAYAKE, MAHINDA PALITHA, AU
[71] 2MT MINING PRODUCTS PTY LTD, AU
[85] 2022-01-24
[86] 2020-07-13 (PCT/AU2020/050722)
[87] (WO2021/011994)
[30] AU (2019902616) 2019-07-24

[21] **3,148,475**
[13] A1
[51] **Int.Cl. G06F 3/00 (2006.01) G06T 19/00 (2011.01) G09B 9/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR SIMULATING PHYSICAL SYSTEMS OF INTERCONNECTED ELEMENTS**
[54] **SYSTEME DE SIMULATION DE SYSTEMES PHYSIQUES D'ELEMENTS INTERCONNECTES**
[72] QUINN, GREGORY, AU
[71] AUGMENTED HAPTICS LTD, GB
[85] 2022-01-24
[86] 2020-07-27 (PCT/AU2020/050765)
[87] (WO2021/012019)
[30] AU (2019902650) 2019-07-25

[21] **3,148,477**
[13] A1
[51] **Int.Cl. C05C 3/00 (2006.01) A01C 21/00 (2006.01) A01G 7/00 (2006.01) A01N 25/02 (2006.01) A01N 59/00 (2006.01) A01P 21/00 (2006.01) C05G 3/00 (2020.01) C05G 5/00 (2020.01)**
[25] EN
[54] **FOLIAR SPRAYING WITH WATER INFUSED WITH AMMONIA**
[54] **PULVERISATION FOLIAIRE AVEC DE L'EAU INFUSEE AVEC DE L'AMMONIAC**
[72] ARCHIBALD, JOHN, CA
[72] JULIUS, MATTHEW, US
[71] CO2 GRO INC., CA
[85] 2022-01-24
[86] 2019-08-27 (PCT/CA2019/051172)
[87] (WO2021/035328)

[21] **3,148,482**
[13] A1
[51] **Int.Cl. C09D 7/63 (2018.01) C08F 218/10 (2006.01) C08F 220/18 (2006.01) C08K 5/06 (2006.01) C08K 5/5425 (2006.01) C08K 5/57 (2006.01) C09D 143/04 (2006.01)**
[25] EN
[54] **ONE PACK AMBIENT CURE CROSSLINKABLE COPOLYMERS OF VINYL BRANCHED ESTER AND VINYL SILANE COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS DE COPOLYMERES RETICULABLES PAR DURCISSEMENT A TEMPERATURE AMBIANTE A UN SEUL COMPOSANT D'ESTER VINYLIQUE RAMIFIE ET DE VINYLSILANE ET LEUR UTILISATION**
[72] HEYMANS, DENIS, BE
[71] HEXION INC., US
[85] 2022-01-24
[86] 2020-07-08 (PCT/EP2020/000133)
[87] (WO2021/018410)
[30] EP (19075011.7) 2019-07-30

[21] **3,148,485**
[13] A1
[51] **Int.Cl. H01R 24/38 (2011.01) H01R 13/05 (2006.01) H01R 27/00 (2006.01) H01R 13/26 (2006.01)**
[25] EN
[54] **ELECTRICAL PLUG CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE MALE**
[72] DOBLER, OLIVER, AT
[71] NEUTRIK AG, LI
[85] 2022-01-24
[86] 2020-07-31 (PCT/EP2020/025351)
[87] (WO2021/023396)
[30] AT (A50701/2019) 2019-08-07

[21] **3,148,496**
[13] A1
[51] **Int.Cl. G06G 7/48 (2006.01) G01V 1/30 (2006.01)**
[25] EN
[54] **ARTIFICIAL INTELLIGENCE BASED HYDRAULIC FRACTURING SYSTEM MONITORING AND CONTROL**
[54] **SURVEILLANCE ET COMMANDE DE SYSTEME DE FRACTURATION HYDRAULIQUE FAISANT APPEL A L'INTELLIGENCE ARTIFICIELLE**
[72] BODISHBAUGH, ADRIAN BENJAMIN, US
[72] MURTLAND, CARRIE, US
[71] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043583)
[87] (WO2021/021664)
[30] US (62/879,239) 2019-07-26

[21] **3,148,500**
[13] A1
[51] **Int.Cl. H01M 4/52 (2010.01) H01M 4/74 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **LOW COST METAL ELECTRODES**
[54] **ELECTRODES METALLIQUES A FAIBLE COUT**
[72] NEWHOUSE, JOCELYN MARIE, US
[72] MILSHTEIN, JARROD DAVID, US
[72] CHAKRABORTY, RUPAK, US
[72] KHAREY, AMELIE NINA, US
[72] WOODFORD, WILLIAM HENRY, US
[72] CHIANG, YET-MING, US
[72] GIBSON, MICHAEL, US
[72] THOMPSON, ANNELISE CHRISTINE, US
[72] SMITH, WESTON, US
[72] PANTANO, JOSEPH ANTHONY, US
[72] CARUSO, ISABELLA, US
[72] HULTMAN, BENJAMIN THOMAS, US
[72] CHU, MAX RAE, US
[72] SU, LIANG, US
[72] PERKINS, NICHOLAS, US
[72] WEHNER, FLORIAN, US
[72] EISENACH, REBECCA, US
[72] WESTWOOD, MITCHELL TERRANCE, US
[72] GILBERT, TRISTAN, US
[72] LIOTTA, ANDREW, US
[72] CONRY, THOMAS, US
[72] MUMMA, RACHEL ELIZABETH, US
[72] UBER, BRANDON, US
[72] WEBER, ERIC, US
[72] SMITH, DANIELLE CASSIDY, US
[72] WOJESKI, BROOKE, US
[71] FORM ENERGY, INC., US
[85] 2022-01-24
[86] 2020-07-25 (PCT/US2020/043639)
[87] (WO2021/021685)
[30] US (62/879,126) 2019-07-26
[30] US (63/021,566) 2020-05-07

[21] **3,148,501**
[13] A1
[51] **Int.Cl. A61J 9/02 (2006.01)**
[25] EN
[54] **TEMPERATURE INDICATOR CONTAINER**
[54] **RECIPIENT INDICATEUR DE TEMPERATURE**
[72] BAXTER, MELINDA, AU
[71] SCARLO PTY LTD, AU
[85] 2022-02-17
[86] 2020-09-01 (PCT/AU2020/000097)
[87] (WO2021/042151)
[30] AU (2019903241) 2019-09-03

[21] **3,148,504**
[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF CANCER**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER**
[72] DUNCAN, JAMES S., US
[71] INSTITUTE FOR CANCER RESEARCH D/B/A/ THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER, US
[85] 2022-01-24
[86] 2020-08-06 (PCT/US2020/045197)
[87] (WO2021/026349)
[30] US (62/884,368) 2019-08-08

[21] **3,148,505**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/68 (2017.01) C07K 14/55 (2006.01) C07K 14/715 (2006.01) C07K 16/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **NOVEL IL-2 FUSION MOLECULES**
[54] **NOUVELLES MOLECULES DE FUSION IL-2**
[72] YAO, CHEN, US
[72] YU, CHUNXIAO, US
[72] LU, YUEFENG, US
[72] LIU, LIQIN, US
[72] SHANEBECK, KURT, US
[72] ZHANG, SHIWEN, US
[71] ASKGENE PHARMA, INC., US
[85] 2022-01-24
[86] 2020-08-12 (PCT/US2020/046000)
[87] (WO2021/030483)
[30] US (62/885,471) 2019-08-12
[30] US (63/015,644) 2020-04-26
[30] US (63/019,319) 2020-05-02
[30] US (63/044,294) 2020-06-25

[21] **3,148,511**
[13] A1
[51] **Int.Cl. A61H 9/00 (2006.01) A61B 5/00 (2006.01) A61F 13/08 (2006.01) A61H 1/00 (2006.01)**
[25] EN
[54] **COMPRESSION THERAPY ARRANGEMENT AND METHOD FOR OPERATING AND MONITORING THE SAME**
[54] **AGENCEMENT DE THERAPIE PAR COMPRESSION ET PROCEDE POUR LE FAIRE FONCTIONNER ET LE SURVEILLER**
[72] VAN ESSEN, ADAM, US
[71] L&R USA INC., US
[85] 2022-01-24
[86] 2020-08-07 (PCT/US2020/045458)
[87] (WO2021/034521)
[30] US (62/889,754) 2019-08-21

[21] **3,148,515**
[13] A1
[51] **Int.Cl. A01G 23/00 (2006.01) A01G 23/02 (2006.01) A01G 23/06 (2006.01) A01G 23/08 (2006.01) B02C 13/00 (2006.01)**
[25] EN
[54] **TOOL-FREE INDEXABLE TOOTH WITH HERMETIC SPRING**
[54] **DENT INDEXABLE SANS OUTIL AVEC RESSORT HERMETIQUE**
[72] HOLLY, BRIAN, US
[71] GREEN MANUFACTURING, INC., US
[85] 2022-01-24
[86] 2020-09-08 (PCT/US2020/049636)
[87] (WO2021/050403)
[30] US (62/897,588) 2019-09-09

[21] **3,148,518**
[13] A1
[51] **Int.Cl. B32B 7/06 (2019.01) B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/10 (2006.01) B32B 27/16 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/36 (2006.01) B32B 29/00 (2006.01)**
[25] EN
[54] **SEALABLE EXTRUSION COATING WITH IMPROVED PROCESSING AND PROPERTIES**
[54] **REVETEMENT PAR EXTRUSION POUVANT ETRE SCELLE PRESENTANT UN TRAITEMENT ET DES PROPRIETES AMELIORES**
[72] BHARDWAJ, RAHUL, US
[72] YANG, CHITAI C., US
[72] ALKIEWICZ, CHESTER E., US
[72] CAMERON, MATTHEW S., US
[71] WESTROCK MWV, LLC, US
[85] 2022-01-21
[86] 2020-06-29 (PCT/US2020/040082)
[87] (WO2021/015930)
[30] US (62/877,387) 2019-07-23

[21] **3,148,519**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **FILAMENT CUTTING DEVICES**
[54] **DISPOSITIFS DE COUPURE DE FILAMENT**
[72] ORTIZ GARCIA, JUAN P., CR
[72] GAMBOA, JOHN, CR
[72] CALVO, YEISON, CR
[72] CASTRO, JULIAN FUENTES, CR
[72] PEREZ, ROSA A., CR
[72] SLUTI, ANNE, US
[72] RODRIGUEZ SALAZAR, JUAN C., US
[72] HOWARD, JOHN F., US
[72] WEITZNER, BARRY, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-01-24
[86] 2020-10-15 (PCT/US2020/055754)
[87] (WO2021/076742)
[30] US (62/923,042) 2019-10-18
[30] US (63/011,388) 2020-04-17

[21] **3,148,522**
[13] A1
[51] **Int.Cl. B08B 9/032 (2006.01) E21B 37/04 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM TO NON-INTRUSIVELY DETERMINE PROPERTIES OF DEPOSIT IN A FLUIDIC CHANNEL**
[54] **PROCEDE ET SYSTEME DE DETERMINATION NON INTRUSIVE DE PROPRIETES DE DEPOT DANS UN CANAL FLUIDIQUE**
[72] BENNETT, DAVID B., US
[72] OGUNDARE, OLUWATOSIN, US
[72] OLMI, CLAUDIO, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-01-24
[86] 2020-06-12 (PCT/US2020/037535)
[87] (WO2021/126306)
[30] US (62/950,642) 2019-12-19
[30] US (16/885,386) 2020-05-28

[21] **3,148,525**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIAGNOSTIC ANALYSIS OF HUMAN BODY SYSTEMS, ORGANS, AND CELLS**
[54] **SYSTEME ET PROCEDE D'ANALYSE DIAGNOSTIQUE DE SYSTEMES, D'ORGANES ET DE CELLULES CORPORELS HUMAINS**
[72] KUNDETKAR, NANDAN, IN
[71] KMZ HOLDINGS LLC, US
[85] 2022-01-24
[86] 2019-08-23 (PCT/US2019/047938)
[87] (WO2021/015804)
[30] IN (201911029722) 2019-07-23

[21] **3,148,529**
[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING ANALYTE CONCENTRATION IN A SAMPLE**
[54] **PROCEDE DE DETERMINATION D'UNE CONCENTRATION EN ANALYTE DANS UN ECHANTILLON**
[72] LIU, ZUIFANG, GB
[72] MCCOLL, DAVID, GB
[72] DONALD, ROBERT, GB
[72] SALGADO, ANNA, GB
[72] SMITH, ANTONY, GB
[71] LIFESCAN IP HOLDINGS, LLC, US
[85] 2022-01-24
[86] 2019-07-24 (PCT/US2019/043238)
[87] (WO2021/015759)

[21] **3,148,580**
[13] A1
[51] **Int.Cl. A61J 9/04 (2006.01) A61J 9/00 (2006.01) A61J 11/00 (2006.01)**
[25] EN
[54] **INFANT FEEDING BOTTLE AND VALVE SYSTEM THEREFOR**
[54] **BIBERON ET SYSTEME DE VALVE ASSOCIE**
[72] KIEHNE, MARK, AU
[71] SAVVYBABY PTY LTD, AU
[85] 2022-02-17
[86] 2020-08-19 (PCT/AU2020/000083)
[87] (WO2021/030855)
[30] AU (2019903001) 2019-08-19

[21] **3,148,582**
[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01) C12N 5/073 (2010.01) A61K 35/12 (2015.01) A61K 35/28 (2015.01) G01N 33/50 (2006.01)**
[25] EN
[54] **ALLOGENEIC COMPOSITION FOR TREATMENT OF CNS DISORDERS**
[54] **COMPOSITION ALLOGENIQUE POUR LE TRAITEMENT DE TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] SVAHN, MATHIAS, SE
[72] DAHLLUND, JOHANNA, SE
[72] KHALAJ, BAHAREH, SE
[72] DAVIES, LINDSAY CATRINA, SE
[71] NEXTCELL PHARMA AB, SE
[85] 2022-01-24
[86] 2020-08-14 (PCT/EP2020/072918)
[87] (WO2021/028583)
[30] SE (1950933-0) 2019-08-15

[21] **3,148,583**
[13] A1
[51] **Int.Cl. E04F 13/06 (2006.01)**
[25] EN
[54] **WALL PLASTERING BEAD**
[54] **CORDON DE PAROI POUR PLATRAGE**
[72] DHINJAN, BUDHA SINGH, GB
[71] DHINJAN, BUDHA SINGH, GB
[85] 2022-01-24
[86] 2020-06-03 (PCT/GB2020/051331)
[87] (WO2021/014115)
[30] GB (1910659.0) 2019-07-25

[21] **3,148,584**
[13] A1
[51] **Int.Cl. A63B 21/06 (2006.01) A63B 21/00 (2006.01) A63B 21/02 (2006.01) A63B 22/00 (2006.01) A63B 22/20 (2006.01) A63B 23/035 (2006.01) A63B 23/12 (2006.01) B64G 1/60 (2006.01) A63B 23/04 (2006.01)**
[25] EN
[54] **EXERCISE DEVICE FOR USE IN MICROGRAVITY ENVIRONMENTS**
[54] **DISPOSITIF D'EXERCICE POUR UTILISATION DANS DES ENVIRONNEMENTS A MICROGRAVITE**
[72] KENNETT, JOHN, GB
[71] HIFI BLACK LIMITED, GB
[85] 2022-01-24
[86] 2020-07-20 (PCT/GB2020/051728)
[87] (WO2021/014137)
[30] GB (1910554.3) 2019-07-24

[21] **3,148,585**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **IONISATION CONTROL**
[54] **SURVEILLANCE D'IONISATION**
[72] HARDING, STEPHEN, GB
[72] WALLIS, GREGG, GB
[72] ASHBY, JAMIE, GB
[72] MARROTT, NIA, GB
[72] NORTH, SIMON, GB
[71] THE BINDING SITE GROUP LIMITED, GB
[85] 2022-01-24
[86] 2020-07-23 (PCT/GB2020/051758)
[87] (WO2021/019211)
[30] GB (1910697.0) 2019-07-26

[21] **3,148,586**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **AFRICAN SWINE FEVER VACCINE**
[54] **VACCIN CONTRE LA PESTE PORCINE AFRICAINE**
[72] DIXON, LINDA, GB
[72] NETHERTON, CHRIS, GB
[72] TAYLOR, GERALDINE, GB
[72] CHAPMAN, DAVE, GB
[71] THE PIRBRIGHT INSTITUTE, GB
[85] 2022-01-24
[86] 2020-07-28 (PCT/GB2020/051808)
[87] (WO2021/019232)
[30] GB (1910794.5) 2019-07-29

[21] **3,148,587**
[13] A1
[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6853 (2018.01)**
[25] EN
[54] **METHODS FOR THE MULTIPLEXED ISOTHERMAL AMPLIFICATION OF NUCLEIC ACID SEQUENCES**
[54] **PROCEDES D'AMPLIFICATION ISOTHERME MULTIPLEXEE DE SEQUENCES D'ACIDES NUCLEIQUES**
[72] OST, TOBY, GB
[71] DNAE DIAGNOSTICS LIMITED, GB
[85] 2022-01-24
[86] 2020-08-07 (PCT/GB2020/051890)
[87] (WO2021/028665)
[30] GB (1911421.4) 2019-08-09

[21] **3,148,588**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) C07K 16/28 (2006.01)**
[25] EN
[54] **EX VIVO GAMMA DELTA T CELL POPULATIONS**
[54] **POPULATIONS DE LYMPHOCYTES T GAMMA DELTA EX VIVO**
[72] BERGERHOFF, KATHARINA, GB
[72] POLYAKOVA, OXANA, GB
[72] NUSSBAUMER, OLIVER, GB
[71] GAMMADELTA THERAPEUTICS LIMITED, GB
[85] 2022-01-24
[86] 2020-08-14 (PCT/GB2020/051956)
[87] (WO2021/032961)
[30] GB (1911799.3) 2019-08-16
[30] GB (2010760.3) 2020-07-13
[30] GB (2012172.9) 2020-08-05

[21] **3,148,589**
[13] A1
[51] **Int.Cl. A01D 41/16 (2006.01) A01D 41/06 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **FEEDERHOUSE ASSEMBLIES, AGRICULTURAL HARVESTERS, AND RELATED METHODS**
[54] **ENSEMBLES CHAMBRE D'ALIMENTATION, MOISSONNEUSES AGRICOLES ET PROCEDES ASSOCIES**
[72] SARAIVA, DANIEL, BR
[71] AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA, BR
[85] 2022-01-24
[86] 2020-06-08 (PCT/IB2020/055364)
[87] (WO2021/028733)
[30] US (62/885,462) 2019-08-12

[21] **3,148,590**
[13] A1
[51] **Int.Cl. B61L 27/00 (2022.01) B61L 15/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONTROLLING A RAILWAY SYSTEM**
[54] **APPAREIL ET PROCEDE DE COMMANDE D'UN SYSTEME DE CHEMIN DE FER**
[72] CANIGLIULA, FABIO, IT
[72] FLAMINIO, LUCA, IT
[72] DEL VILLANO, FAUSTO, IT
[71] HITACHI RAIL STS S.P.A., IT
[85] 2022-01-24
[86] 2020-07-09 (PCT/IB2020/056451)
[87] (WO2021/014260)
[30] IT (102019000012900) 2019-07-25

[21] **3,148,591**
[13] A1
[51] **Int.Cl. A61P 11/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI-IL13 ANTIGEN BINDING PROTEINS**
[54] **PROTEINES DE LIAISON A UN ANTIGENE ANTI-IL13**
[72] KIELCZEWSKA, AGNIESZKA, US
[72] FOLTZ, IAN NEVIN, US
[72] RATHANASWAMI, PALANISWAMI, US
[72] AMADOR, MARIA SHEENA, US
[72] ESTES, BRAM, US
[72] D'ANGELO, IGOR, US
[71] AMGEN INC., US
[85] 2022-01-21
[86] 2020-07-24 (PCT/US2020/043607)
[87] (WO2021/021676)
[30] US (62/879,335) 2019-07-26

[21] **3,148,592**
[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61P 35/00 (2006.01) C07D 405/10 (2006.01)**
[25] EN
[54] **SELECTIVE ESTROGEN RECEPTOR DEGRADER**
[54] **AGENT DE DEGRADATION SELECTIF DE RECEPTEUR DES □STROGENES**
[72] PAL, RANJAN KUMAR, IN
[72] SAMANTA, BISWAJIT, IN
[72] ARADHYE, JAYRAJ DILIPBHAI, IN
[72] PATHAK, SANDEEP PANKAJKUMAR, IN
[72] PRAJAPATI, KAUSHIK DHANJIBHAI, IN
[72] PANCHAL, BHAVESH MOHANBHAI, IN
[72] CHITTURI, TRINADHA RAO, IN
[71] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN
[85] 2022-01-24
[86] 2020-07-22 (PCT/IB2020/056914)
[87] (WO2021/014386)
[30] IN (201921029554) 2019-07-22

[21] **3,148,593**
[13] A1
[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **METHOD FOR IMPROVING DIGESTIVE HEALTH**
[54] **METHODE D'AMELIORATION DE LA SANTE DIGESTIVE**
[72] CHAE, LEE, US
[72] LEVINE, FRED, US
[71] BRIGHTSEED, INC., US
[71] SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE, US
[85] 2022-01-21
[86] 2020-07-27 (PCT/US2020/043753)
[87] (WO2021/021744)
[30] US (62/879,727) 2019-07-29

[21] **3,148,594**
[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 90/00 (2016.01) A61B 17/24 (2006.01) A61C 1/08 (2006.01)**
[25] EN
[54] **SPLINT DEVICE FORMING A FIDUCIAL MARKER CO-OPERABLE WITH A GUIDANCE SYSTEM OF A ROBOT**
[54] **DISPOSITIF D'ATTELLE FORMANT UN MARQUEUR DE REPERE POUVANT FONCTIONNER AVEC UN SYSTEME DE GUIDAGE DE ROBOT**
[72] MOZES, ALON, US
[72] REEBYE, UDAY, US
[72] SALCEDO, JUAN, US
[72] FITTIPALDI, MAURO, US
[71] NEOCIS INC., US
[85] 2022-01-24
[86] 2020-07-23 (PCT/IB2020/056977)
[87] (WO2021/014408)
[30] US (62/878,240) 2019-07-24

[21] **3,148,595**
[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **SYRINGE PUMP WITH FLANGE CLAMP SENSOR**
[54] **POMPE A SERINGUE DOTEE D'UN CAPTEUR DE BRIDE DE SERRAGE**
[72] HIDALGO, RONALD, IE
[72] REABOI, ANDREI, IE
[71] CAREFUSION 303, INC., US
[85] 2022-01-21
[86] 2020-07-28 (PCT/US2020/043912)
[87] (WO2021/021832)
[30] US (62/879,950) 2019-07-29

[21] **3,148,596**
[13] A1
[51] **Int.Cl. F24F 1/0328 (2019.01) F24F 13/28 (2006.01)**
[25] EN
[54] **POWERED ROOM AIR PURIFIER WITH EASY-LOADING AIR FILTER**
[54] **PURIFICATEUR D'AIR AMBIANT ELECTRIQUE AVEC FILTRE A AIR A CHARGEMENT FACILE**
[72] GALE, BRIAN D., US
[72] FOX, ANDREW R., US
[72] HERNANDEZ, ALONSO M., US
[72] TREMAIN, NICOLAS W., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2022-01-24
[86] 2020-08-05 (PCT/IB2020/057402)
[87] (WO2021/024201)
[30] US (62/883,230) 2019-08-06

[21] **3,148,597**
[13] A1
[51] **Int.Cl. A43B 11/00 (2006.01) A43B 3/24 (2006.01) A43B 23/02 (2006.01) A43B 23/08 (2006.01) A43B 23/26 (2006.01) A43C 11/00 (2006.01)**
[25] EN
[54] **RAPID-ENTRY FOOTWEAR HAVING A STABILIZER AND AN ELASTIC ELEMENT**
[54] **CHAUSSURE A ENTREE RAPIDE DOTEE D'UN STABILISATEUR ET D'UN ELEMENT ELASTIQUE**
[72] PRATT, MICHAEL, US
[72] CHENEY, CRAIG, US
[71] FAST IP, LLC, US
[85] 2022-01-21
[86] 2020-07-29 (PCT/US2020/044047)
[87] (WO2021/021917)
[30] US (62/879,883) 2019-07-29

[21] **3,148,598**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR TREATING FIBROTIC PATHOLOGIES**
[54] **COMPOSES ET METHODES DE TRAITEMENT DE PATHOLOGIES FIBROTIQUES**
[72] TSCHUMPERLIN, DANIEL J., US
[72] HAAK, ANDREW J., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2022-01-21
[86] 2020-07-29 (PCT/US2020/044054)
[87] (WO2021/021922)
[30] US (62/880,494) 2019-07-30
[30] US (62/880,594) 2019-07-30

[21] **3,148,599**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSFERRING MESSAGING TO AUTOMATION**
[54] **SYSTEMES ET PROCEDE POUR LE TRANSFERT DE LA MESSAGERIE A L'AUTOMATISATION**
[72] BRADLEY, JOE, US
[72] GILCHREST, ALAN, US
[72] CHITTARI, RAVIKIRAN, US
[72] DEB, BODHI, US
[71] LIVEPERSON, INC., US
[85] 2022-01-21
[86] 2020-08-07 (PCT/US2020/045367)
[87] (WO2021/026435)
[30] US (62/883,994) 2019-08-07

[21] **3,148,600**
[13] A1
[51] **Int.Cl. A61K 38/57 (2006.01) A61K 38/55 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING ORGAN FUNCTION**
[54] **PROCEDES D'AMELIORATION DU FONCTIONNEMENT D'UN ORGANE**
[72] JORDAN, STANLEY, US
[72] CHOI, JUA, US
[72] VO, ASHLEY A., US
[72] HUANG, EDMUND, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-01-21
[86] 2020-08-07 (PCT/US2020/045507)
[87] (WO2021/026507)
[30] US (62/884,583) 2019-08-08

[21] **3,148,602**
[13] A1
[51] **Int.Cl. A61K 31/131 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01)**
[25] EN
[54] **SMALL MOLECULE DRUGS AND RELATED METHODS FOR TREATMENT OF DISEASES RELATED TO TDP-43, ALPHA-SYNUCLEIN, HUNTINGTIN'S PROTEIN AND TAU PROTEIN OLIGOMER FORMATION**
[54] **MEDICAMENTS A PETITES MOLECULES ET PROCEDES ASSOCIES POUR LE TRAITEMENT DES MALADIES LIEES AU TDP-43, A L'ALPHA-SYNUCLEINE, A LA PROTEINE HUNTINGTIN ET A LA FORMATION D'OLIGOMERES DE LA PROTEINE TAU**
[72] SINGH, AMBUJ K., US
[72] LANG, CHRISTIAN A., US
[71] ACELOT, INC., US
[85] 2022-01-24
[86] 2020-07-31 (PCT/US2020/000030)
[87] (WO2021/025723)
[30] US (62/922,316) 2019-08-02

[21] **3,148,603**
[13] A1
[51] **Int.Cl. E21B 47/01 (2012.01) E21B 47/017 (2012.01) E21B 17/00 (2006.01) E21B 47/14 (2006.01) G01V 1/46 (2006.01) G01V 5/10 (2006.01)**
[25] EN
[54] **DOWNHOLE ELECTRONICS PUCK AND RETENTION, INSTALLATION AND REMOVAL METHODS**
[54] **RONDELLE ELECTRONIQUE DE FOND DE TROU ET PROCEDES DE RETENUE, D'INSTALLATION ET DE RETRAIT**
[72] SCHEN, AARON, US
[72] RIDDEL, JACOB, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2022-01-24
[86] 2020-06-02 (PCT/US2020/035690)
[87] (WO2021/015855)
[30] US (62/878,186) 2019-07-24

[21] **3,148,604**
[13] A1
[51] **Int.Cl. A61K 31/197 (2006.01) A61K 31/353 (2006.01) A61K 31/355 (2006.01)**
[25] EN
[54] **ANTIOXIDANT AND ANTIVIRAL COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ANTIOXYDANTES ET ANTIVIRALES ET PROCEDES ASSOCIES**
[72] PETERSON, TIMOTHY, US
[72] BEHFAR, ATTA, US
[72] PARADISE, CHRISTOPHER, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2022-01-24
[86] 2020-07-23 (PCT/US2020/043305)
[87] (WO2021/021572)
[30] US (62/879,033) 2019-07-26

[21] **3,148,605**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 1/00 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **SYSTEMS FOR PROCESSING OF CEREBROSPINAL FLUID**
[54] **SYSTEMES DE TRAITEMENT DE LIQUIDE CEPHALORACHIDIEN**
[72] MARTIN, BRYN ANDREW, US
[72] KHANI, MOHAMMADREZA, US
[72] MCCABE, AARON R., US
[72] ZITELLA VERBICK, LAURA MARIE, US
[71] MINNETRONIX NEURO, INC., US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043551)
[87] (WO2021/016579)
[30] US (62/878,587) 2019-07-25

[21] **3,148,607**
[13] A1
[51] **Int.Cl. H01M 4/38 (2006.01) H01M 4/50 (2010.01) H01M 8/18 (2006.01) H01M 12/08 (2006.01)**
[25] EN
[54] **RECHARGEABLE BATTERY USING IRON NEGATIVE ELECTRODE AND MANGANESE OXIDE POSITIVE ELECTRODE**
[54] **BATTERIE RECHARGEABLE UTILISANT UNE ELECTRODE NEGATIVE EN FER ET UNE ELECTRODE POSITIVE EN OXYDE DE MANGANESE**
[72] SU, LIANG, US
[72] MILSHTEIN, JARROD DAVID, US
[72] WOODFORD, WILLIAM HENRY, US
[72] CHIANG, YET-MING, US
[72] WHITACRE, JAY, US
[72] COHEN, LUCAS, US
[72] CHAKRABORTY, RUPAK, US
[72] LIOTTA, ANDREW HAYNES, US
[72] MCKAY, IAN SALMON, US
[72] CONRY, THOMAS, US
[72] GIBSON, MICHAEL ANDREW, US
[72] NEWHOUSE, JOCELYN MARIE, US
[72] KHAREY, AMELIE NINA, US
[72] THOMPSON, ANNELISE CHRISTINE, US
[72] SMITH, WESTON, US
[72] PANTANO, JOSEPH ANTHONY, US
[72] CARUSO, ISABELLA, US
[72] HULTMAN, BENJAMIN THOMAS, US
[72] CHU, MAX RAE, US
[72] PERKINS, NICHOLAS, US
[72] WEHNER, FLORIAN, US
[72] EISENACH, REBECCA, US
[72] WESTWOOD, MITCHELL TERRANCE, US
[72] GILBERT, TRISTAN, US
[72] MUMMA, RACHEL ELIZABETH, US
[72] UBER, BRANDON, US
[72] WEBER, ERIC, US
[72] SMITH, DANIELLE CASSIDY, US
[72] WOJESKI, BROOKE, US
[71] FORM ENERGY, INC., US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043630)
[87] (WO2021/021681)
[30] US (62/879,153) 2019-07-26
[30] US (62/879,126) 2019-07-26
[30] US (63/021,267) 2020-05-07
[30] US (63/021,566) 2020-05-07
[30] US (63/021,610) 2020-05-07

[21] **3,148,608**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 38/20 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY PRE-LOADED CD16+NK-92 CELLS AS AN EFFECTIVE THERAPEUTIC PRODUCT FOR TUMOR LYSIS**
[54] **CELLULES CD16+NK-92 PRE-CHARGEES D'ANTICORPS EN TANT QUE PRODUIT THERAPEUTIQUE EFFICACE POUR LA LYSE TUMORALE**
[72] SIMON, BARRY J., US
[72] SAXENA, MANJU, US
[72] ALI, RAZA, US
[72] THIBAULT, JOSEPH, US
[71] IMMUNITYBIO, INC., US
[85] 2022-01-24
[86] 2020-07-27 (PCT/US2020/043690)
[87] (WO2021/021705)
[30] US (62/879,111) 2019-07-26

[21] **3,148,609**
[13] A1
[51] **Int.Cl. A61F 2/54 (2006.01) A61F 2/58 (2006.01) A61F 2/76 (2006.01) A61F 2/80 (2006.01)**
[25] EN
[54] **PROSTHETIC ADAPTER**
[54] **ADAPTATEUR PROTHETIQUE**
[72] SAADON, MARSCHELL, US
[71] LIFEWORK ADAPTER LLC, US
[85] 2022-01-24
[86] 2020-07-27 (PCT/US2020/043771)
[87] (WO2021/021754)
[30] US (62/879,456) 2019-07-27

[21] **3,148,610**
[13] A1
[51] **Int.Cl. C12N 1/21 (2006.01)**
[25] EN
[54] **METHOD FOR PROTEOME-WIDE DISCOVERY OF COVALENT LIGANDS AND COMPOSITIONS THEREOF**
[54] **PROCEDE DE DECOUVERTE DE LIGANDS COVALENTS A L'ECHELLE DU PROTEOME ET COMPOSITIONS ASSOCIEES**
[72] CAO, PING, US
[72] YUAN, YUAN, US
[72] ZHANG, CHAO, US
[71] BRIDGENE BIOSCIENCES, INC., US
[85] 2022-01-24
[86] 2020-08-04 (PCT/US2020/044897)
[87] (WO2021/026162)
[30] US (62/882,757) 2019-08-05

[21] **3,148,611**
[13] A1
[51] **Int.Cl. A61K 31/12 (2006.01) A61K 36/9066 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **MACROPHAGE STIMULATING 1 RECEPTOR (MST1R) VARIANTS AND USES THEREOF**
[54] **VARIANTS DU RECEPTEUR 1 DE LA STIMULATION DES MACROPHAGES (MST1R) ET LEURS UTILISATIONS**
[72] HOROWITZ, JULIE, US
[72] BARAS, ARIS, US
[72] FERREIRA, MANUEL ALLEN REVEZ, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-01-24
[86] 2020-08-11 (PCT/US2020/045784)
[87] (WO2021/030358)
[30] US (62/885,402) 2019-08-12

[21] **3,148,613**
[13] A1
[51] **Int.Cl. A61K 31/4375 (2006.01) A61K 31/5377 (2006.01) A61P 29/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR INHIBITION OF ALPHA 4 BETA 7 INTEGRIN**
[54] **COMPOSES POUR L'INHIBITION DE L'INTEGRINE ALPHA 4 BETA 7**
[72] BLOMGREN, PETER A., US
[72] CAMPBELL, TARYN L., US
[72] CHANDRASEKHAR, JAYARAMAN, US
[72] CLARK, CHRISTOPHER T., US
[72] CURRIE, KEVIN S., US
[72] KROPF, JEFFREY E., US
[72] MOAZAMI, YASAMIN, US
[72] NAVA, NICOLE A., US
[72] PATEL, LEENA, US
[72] PERRY, JASON K., US
[72] SEEGER, NATALIE, US
[72] STEVENS, KIRK L., US
[72] ZHAO, ZHONGDONG, US
[71] GILEAD SCIENCES, INC., US
[85] 2022-01-24
[86] 2020-08-12 (PCT/US2020/045938)
[87] (WO2021/030438)
[30] US (62/886,798) 2019-08-14

[21] **3,148,615**
[13] A1
[51] **Int.Cl. B65D 55/06 (2006.01) B65D 5/43 (2006.01) B65D 85/78 (2006.01)**
[25] EN
[54] **CARTON WITH TAMPER-EVIDENT FEATURE**
[54] **CARTON DOTE D'UN ELEMENT INVIOLABLE**
[72] PINKSTONE, FELICIA A., US
[72] RYAN, MICHALE D., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-01-24
[86] 2020-08-26 (PCT/US2020/047906)
[87] (WO2021/041482)
[30] US (62/892,203) 2019-08-27
[30] US (62/895,603) 2019-09-04

[21] **3,148,617**
[13] A1
[51] **Int.Cl. G01R 33/56 (2006.01) G01R 33/465 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DEEP LEARNING FOR LARGE-SCALE DYNAMIC MAGNETIC RESONANCE IMAGE RECONSTRUCTION**
[54] **SYSTEMES ET PROCEDES D'APPRENTISSAGE PROFOND POUR LA RECONSTRUCTION D'IMAGE PAR RESONANCE MAGNETIQUE DYNAMIQUE A GRANDE ECHELLE**
[72] CHRISTODOULOU, ANTHONY, US
[72] LI, DEBIAO, US
[72] CHEN, YUHUA, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-01-21
[86] 2020-09-10 (PCT/US2020/050247)
[87] (WO2021/050765)
[30] US (62/900,279) 2019-09-13

[21] **3,148,619**
[13] A1
[51] **Int.Cl. G09B 1/06 (2006.01) G09B 1/08 (2006.01) G09B 1/10 (2006.01) G09B 1/14 (2006.01) G09B 1/16 (2006.01) G09B 1/18 (2006.01) G09B 1/20 (2006.01) G09B 1/28 (2006.01) G09B 1/30 (2006.01) G09B 19/06 (2006.01)**
[25] FR
[54] **AUTOCORRECTING DEVICE SUITABLE FOR LEARNING A RULE OF GRAMMAR IN A ROMANCE LANGUAGE**
[54] **DISPOSITIF AUTOCORRECTIF CONVENANT A L'APPRENTISSAGE D'UNE REGLE DE GRAMMAIRE D'UNE LANGUE ROMANE**
[72] DOMBREVAL, MAUD, FR
[72] HEPPEL, PETER, FR
[71] DOMBREVAL, MAUD, FR
[71] HEPPEL, PETER, FR
[85] 2022-01-24
[86] 2020-07-24 (PCT/FR2020/051361)
[87] (WO2021/014107)
[30] FR (FR1908380) 2019-07-24

[21] **3,148,620**
[13] A1
[51] **Int.Cl. A47L 15/00 (2006.01) C11D 3/00 (2006.01) C11D 3/04 (2006.01) C11D 3/08 (2006.01) C11D 3/10 (2006.01) C11D 3/26 (2006.01) C11D 3/40 (2006.01) C11D 7/06 (2006.01) C11D 7/12 (2006.01) C11D 7/14 (2006.01) C11D 7/32 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **COLOR CHANGING DETERGENT COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DETERGENTES A CHANGEMENT DE COULEUR ET PROCEDES D'UTILISATION**
[72] SILVERNAIL, CARTER M., US
[72] WALTERS, KERRIE E., US
[71] ECOLAB USA INC., US
[85] 2022-01-24
[86] 2020-09-23 (PCT/US2020/052193)
[87] (WO2021/061755)
[30] US (62/904,033) 2019-09-23

[21] **3,148,621**
[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING PROTEASE-ACTIVATED THERAPEUTIC AGENTS**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES AGENTS THERAPEUTIQUES ACTIVES PAR PROTEASE**
[72] HUBBELL, JEFFREY, US
[72] ISHIHARA, JUN, US
[72] MENDOZA, JUAN, US
[72] MANSUROV, ASLAN, US
[71] THE UNIVERSITY OF CHICAGO, US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/070308)
[87] (WO2021/016640)
[30] US (62/878,574) 2019-07-25

[21] **3,148,624**
[13] A1
[51] **Int.Cl. A21C 9/04 (2006.01)**
[25] EN
[54] **DEVICE FOR APPLYING SCATTERABLE MATERIAL**
[54] **DISPOSITIF POUR APPLIQUER DES PRODUITS A DISPERSER**
[72] PALZAR, THOMAS, AT
[72] RIEGER, THOMAS, AT
[72] THOMASSER, PETER, AT
[71] KONIG MASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2022-01-25
[86] 2020-07-24 (PCT/AT2020/060276)
[87] (WO2021/016643)
[30] AT (A50681/2019) 2019-07-26

[21] **3,148,626**
[13] A1
[51] **Int.Cl. E02B 7/42 (2006.01) E02B 13/02 (2006.01)**
[25] EN
[54] **MULTI PULLEY CONTROL GATE**
[54] **GRILLE DE COMMANDE A PLUSIEURS POULIES**
[72] AUGHTON, DAVID JOHN, AU
[72] DELACORN, JOEL MICHAEL, AU
[71] RUBICON RESEARCH PTY LTD, AU
[85] 2022-01-25
[86] 2020-07-21 (PCT/AU2020/050748)
[87] (WO2021/016654)
[30] AU (2019902677) 2019-07-26

[21] **3,148,629**
[13] A1
[51] **Int.Cl. A01H 6/28 (2018.01) C12Q 1/6809 (2018.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **IMPROVED METHODS FOR THE PRODUCTION OF PLANTS**
[54] **PROCEDES AMELIORES POUR LA PRODUCTION DE PLANTES**
[72] COGAN, NOEL, AU
[72] BRAICH, SHIVRAH KAUR, AU
[72] JEWELL, LARRY STEPHEN, AU
[72] SPANGENBERG, GERMAN CARLOS, AU
[72] BAILLIE, REBECCA C., AU
[71] AGRICULTURE VICTORIA SERVICES PTY LTD, AU
[85] 2022-01-25
[86] 2020-07-31 (PCT/AU2020/050792)
[87] (WO2021/016676)
[30] AU (2019902745) 2019-08-01
[30] AU (2019902844) 2019-08-08

[21] **3,148,631**
[13] A1
[51] **Int.Cl. A61K 35/51 (2015.01) C12N 5/077 (2010.01) C12N 5/0775 (2010.01) A61K 8/98 (2006.01) A61K 35/28 (2015.01) A61P 17/00 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01) C07K 1/34 (2006.01) C12N 1/06 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **PERIVASCULAR LYSATES AND USES THEREOF**
[54] **LYSATS PERIVASCULAIRES ET LEURS UTILISATIONS**
[72] DAVIES, JOHN E., CA
[72] LI, YUNQING, CA
[71] TISSUE REGENERATION THERAPEUTICS INC., CA
[85] 2022-01-25
[86] 2020-08-07 (PCT/CA2020/051079)
[87] (WO2021/022377)
[30] US (62/884,637) 2019-08-08

[21] **3,148,633**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) H05B 3/22 (2006.01)**
[25] EN
[54] **MESH-SHAPED SHEET-TYPE POROUS HEATING ATOMIZATION ASSEMBLY AND HEATING ATOMIZER THEREWITH**
[54] **ENSEMBLE POREUX D'ATOMISATION THERMIQUE DE TYPE FEUILLE EN FORME DE MAILLE ET ATOMISEUR CHAUFFANT ASSOCIE**
[72] CHEN, PING, CN
[71] SHENZHEN HUACHENGDA PRECISION INDUSTRY CO. LTD, CN
[85] 2022-01-25
[86] 2020-06-01 (PCT/CN2020/093664)
[87] (WO2021/189643)
[30] CN (202010228966.6) 2020-03-27

[21] **3,148,639**
[13] A1
[51] **Int.Cl. E03C 1/04 (2006.01)**
[25] EN
[54] **INSTALLATION METHOD FOR TAP ASSEMBLY**
[54] **PROCEDE D'INSTALLATION POUR ENSEMBLE ROBINET**
[72] CHEN, XIANXIANG, CN
[71] CHEN, XIANXIANG, CN
[71] CHEN, ZHILIN, CN
[85] 2022-01-25
[86] 2020-06-01 (PCT/CN2020/093786)
[87] (WO2021/017616)
[30] CN (201910696305.3) 2019-07-30

[21] **3,148,643**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/05 (2006.01) A61K 47/10 (2017.01) A61K 47/20 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TOPICAL FORMULATIONS COMPRISING CANNABIDIOL, METHOD OF PREPARING THE COMPOSITION AND USE THEREOF**
[54] **FORMULATIONS TOPIQUES COMPRENANT DU CANNABIDIOL, PROCEDE DE PREPARATION DE LA COMPOSITION ET UTILISATION DE CELLES-CI**
[72] HENRIKSEN, LONE, DK
[72] DAUER, ROSEMARIE, DE
[72] DUGUINE, MARIA AGUSTINA, AR
[71] CS MEDICA A/S, DK
[85] 2022-01-25
[86] 2020-07-31 (PCT/DK2020/050222)
[87] (WO2021/023351)
[30] DK (PA 2019 70497) 2019-08-05
[30] DK (PA 2020 70343) 2020-05-28

[21] **3,148,645**
[13] A1
[51] **Int.Cl. A61B 3/16 (2006.01) A61B 5/00 (2006.01) A61B 5/01 (2006.01)**
[25] EN
[54] **OCULAR BIOMECHANICAL PROPERTIES MEASURING AND MONITORING DEVICE**
[54] **DISPOSITIF DE MESURE ET DE SURVEILLANCE DE PROPRIETES BIOMECANIQUES OCULAIRES**
[72] PARASCHIV, ADRIAN, CH
[72] SCHLUND, MARIO, CH
[72] VARIDEL, THIERRY, CH
[72] FRITSCHI, RAPHAEL, CH
[72] CERBONI, SACHA, CH
[71] SENSIMED SA, CH
[85] 2022-01-25
[86] 2019-07-29 (PCT/EP2019/070353)
[87] (WO2021/018376)

[21] **3,148,646**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CELLS EXPRESSING CHIMERIC ANTIGEN RECEPTORS AND CHIMERIC STIMULATING RECEPTORS AND USES THEREOF**
[54] **CELLULES EXPRIMANT DES RECEPTEURS D'ANTIGENES CHIMERIQUES ET DES RECEPTEURS DE STIMULATION CHIMERIQUES ET UTILISATIONS ASSOCIEES**
[72] YUN, HONGRUO, US
[72] CUI, JUN, US
[72] ZHANG, PENGBO, US
[72] XU, YIYANG, US
[72] HORAN, LUCAS, US
[72] XU, SHAOHUA, US
[72] XIONG, GUANGYAN, US
[72] LI, SHAN, US
[72] XU, YIXIANG, US
[72] HELLER, BRADLEY AUSTIN, US
[72] ZHANG, HONGBING, US
[72] LIU, HONG, US
[71] EUREKA THERAPEUTICS, INC., US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043629)
[87] (WO2021/016609)
[30] US (62/878,271) 2019-07-24
[30] US (62/879,629) 2019-07-29
[30] US (62/953,758) 2019-12-26

[21] **3,148,652**
[13] A1
[51] **Int.Cl. B60L 5/20 (2006.01) B60L 5/32 (2006.01)**
[25] EN
[54] **DRIVE SYSTEM FOR A PANTOGRAPH, AND METHOD FOR RAISING OR LOWERING**
[54] **SYSTEME D'ENTRAINEMENT POUR UN PANTOGRAPHE ET PROCEDE DE SOULEVEMENT ET D'ABAISSEMENT**
[72] GRUBER, ALEXANDER, AT
[71] SCHUNK TRANSIT SYSTEMS GMBH, AT
[85] 2022-01-25
[86] 2019-08-12 (PCT/EP2019/071626)
[87] (WO2021/028019)

[21] **3,148,656**
[13] A1
[51] **Int.Cl. F26B 15/16 (2006.01) B60S 3/04 (2006.01) B61D 7/32 (2006.01) B65G 69/20 (2006.01)**
[25] EN
[54] **METHOD FOR EXPLOSION-PROOF THAWING OF BULK-GOODS-TRANSPORTING TRANSPORT MEANS**
[54] **PROCEDE PERMETTANT LA DECONGELATION ANTIDEFLAGRANTE DE MOYENS DE TRANSPORT TRANSPORTANT UN PRODUIT EN VRAC**
[72] IHNE, HEINZ, DE
[72] KAHMANN, PETER, DE
[72] LOBOYKO, VADIM, DE
[71] AWAS FEE GMBH, DK
[85] 2022-01-25
[86] 2019-12-12 (PCT/EP2019/084818)
[87] (WO2021/018409)
[30] DE (10 2019 120 550.6) 2019-07-30

[21] **3,148,659**
[13] A1
[51] **Int.Cl. A23J 3/34 (2006.01) A23K 20/147 (2016.01) A23K 50/40 (2016.01) A23L 33/18 (2016.01) A23J 3/04 (2006.01) A23J 3/30 (2006.01) A61K 31/202 (2006.01) A61K 38/01 (2006.01)**
[25] EN
[54] **PROTEIN HYDROLYSATE FROM BLUE FISH**
[54] **HYDROLYSAT PROTEIQUE ISSU DE POISSONS BLEUS**
[72] GUERARD, FABIENNE, FR
[72] OROY, CLOE, FR
[72] LEPOUDERE, ANNE, FR
[72] CHATAIGNER, MATHILDE, FR
[72] ALLAUME, PATRICK, FR
[72] DINEL, ANNE-LAURE, FR
[72] JOFFRE, CORINNE, FR
[72] PALLET, VERONIQUE, FR
[72] LE GRAND, FABIENNE, FR
[71] SPECIALITES PET FOOD, FR
[71] UNIVERSITE DE BORDEAUX, FR
[71] UNIVERSITE DE BRETAGNE OCCIDENTALE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT, FR
[71] INSTITUT POLYTECHNIQUE DE BORDEAUX, FR
[71] ABYSS INGREDIENTS, FR
[71] INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER - IFREMER, FR
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[85] 2022-01-19
[86] 2020-07-31 (PCT/EP2020/071717)
[87] (WO2021/019093)
[30] FR (FR1908837) 2019-08-01

[21] **3,148,713**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **NEW TREATMENTS INVOLVING MIRNA-193A**
[54] **NOUVEAUX TRAITEMENTS IMPLIQUANT LE MIARN-193A**
[72] YAHYANEJAD, SANAZ, NL
[72] TELFORD, BRYONY JANE, NL
[72] VAN DEN BOSCH, MARION TINA JOLIEN, NL
[72] ALEMDEHY, MIR FARSHID, NL
[72] DE GUNST, MATHEUS MARIA, NL
[72] VAN PINXTEREN, LAURENS ADRIANUS HENDRICUS, NL
[72] SCHAAPVELD, ROELAND QUIRINUS JOZEF, NL
[72] JANICOT, MICHEL, BE
[71] INTERNA TECHNOLOGIES B.V., NL
[85] 2022-01-25
[86] 2020-03-06 (PCT/EP2020/055965)
[87] (WO2021/028081)
[30] EP (19191222.9) 2019-08-12
[30] EP (20160235.6) 2020-02-28

[21] **3,148,714**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4725 (2006.01) A61K 31/573 (2006.01) A61K 38/13 (2006.01) A61K 38/17 (2006.01) A61P 27/02 (2006.01) A61P 27/04 (2006.01)**
[25] EN
[54] **TSG6 POLYPEPTIDE FRAGMENT FOR DRY EYE DISEASE**
[54] **FRAGMENT POLYPEPTIDIQUE DE TSG6 POUR SYNDROME DE L'□IL SEC**
[72] DAY, ANTHONY, GB
[72] MILNER, CAROLINE, GB
[72] OH, JOO YOUN, KR
[71] THE UNIVERSITY OF MANCHESTER, GB
[71] SEOUL NATIONAL UNIVERSITY HOSPITAL, KR
[85] 2022-01-25
[86] 2020-06-23 (PCT/EP2020/067448)
[87] (WO2021/013452)
[30] GB (1910645.9) 2019-07-25

[21] **3,148,715**
[13] A1
[51] **Int.Cl. A47J 31/00 (2006.01) B65D 85/816 (2006.01) B67D 1/00 (2006.01)**
[25] EN
[54] **CARTRIDGE SYSTEM AND METHOD FOR PRODUCING A CARTRIDGE SYSTEM**
[54] **SYSTEME DE CARTOUCHE ET PROCEDE DE PRODUCTION D'UN SYSTEME DE CARTOUCHE**
[72] EMPL, GUNTER, DE
[72] KRUGER, MARC, DE
[71] FREEZIO AG, CH
[85] 2022-01-25
[86] 2020-07-24 (PCT/EP2020/070927)
[87] (WO2021/018760)
[30] DE (10 2019 211 189.0) 2019-07-26
[30] DE (10 2019 212 708.8) 2019-08-23

[21] **3,148,716**
[13] A1
[51] **Int.Cl. C10B 39/12 (2006.01)**
[25] EN
[54] **METHOD AND AN APPARATUS FOR DRY PROCESSING HOT COAL AND COKE**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT A SEC DE CHARBON CHAUD ET DE COKE**
[72] BALON, THOMAS HAMILTON JR., US
[72] BUTLER, NEIL ALAN, GB
[72] SCHEEPERS, PETER FRANSCISCUS JOHANNES MARIA, NL
[71] CEG TECHNOLOGY UK LIMITED, GB
[85] 2022-01-25
[86] 2020-07-24 (PCT/EP2020/071023)
[87] (WO2021/018791)
[30] EP (19189372.6) 2019-07-31

[21] **3,148,717**
[13] A1
[51] **Int.Cl. C10L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR A TORREFACTION PROCESS**
[54] **PROCEDE ET APPAREIL POUR UN PROCEDE DE TORREFACTION**
[72] BALON, THOMAS HAMILTON JR., US
[72] BUTLER, NEIL ALAN, GB
[72] SCHEEPERS, PETER FRANSCISCUS JOHANNES MARIA, NL
[71] CEG TECHNOLOGY UK LIMITED, GB
[85] 2022-01-25
[86] 2020-07-24 (PCT/EP2020/071033)
[87] (WO2021/018794)
[30] EP (19189327.0) 2019-07-31

[21] **3,148,718**
[13] A1
[51] **Int.Cl. G01N 33/569 (2006.01)**
[25] EN
[54] **BOVINE PATHOGEN ARRAY**
[54] **RESEAU D'AGENTS PATHOGENES BOVINS**
[72] FITZGERALD, PETER, GB
[72] MCCONNELL, IVAN, GB
[72] RICHARDSON, CIARAN, IE
[72] LAMONT, JOHN, GB
[71] RANDOX LABORATORIES LTD, GB
[71] RANDOX TEORANTA, IE
[85] 2022-01-25
[86] 2020-07-26 (PCT/EP2020/071067)
[87] (WO2021/018810)
[30] GB (1910730.9) 2019-07-26

[21] **3,148,719**
[13] A1
[51] **Int.Cl. A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07C 235/08 (2006.01)**
[25] EN
[54] **ALCOHOL DERIVATIVES AS KV7 POTASSIUM CHANNEL OPENERS**
[54] **DERIVES D'ALCOOL UTILISES EN TANT QU'OUVREURS DES CANAUX POTASSIQUES KV7**
[72] SAMS, ANETTE, GRAVEN, DK
[72] ROTTLANDER, MARIO, DK
[72] LARSEN, KRESTIAN, DK
[72] WANG, XIAOFANG, CN
[72] DAS, DEBASIS, CN
[72] HONG, JIAN, CN
[72] CHEN, SHU, HUI, US
[71] H. LUNDBECK A/S, DK
[85] 2022-01-25
[86] 2020-07-30 (PCT/EP2020/071520)
[87] (WO2021/023617)
[30] EP (19189750.3) 2019-08-02
[30] CN (201910734123.0) 2019-08-09
[30] EP (19191887.9) 2019-08-15

[21] **3,148,720**
[13] A1
[51] **Int.Cl. A61K 31/7036 (2006.01) A61K 9/08 (2006.01) A61P 1/12 (2006.01) A61P 33/02 (2006.01)**
[25] FR
[54] **VETERINARY COMPOSITIONS FOR THE PREVENTION AND/OR TREATMENT OF CRYPTOSPORIDIOSIS**
[54] **COMPOSITIONS VETERINAIRES POUR PREVENIR ET/OU TRAITER LA CRYPTOSPORIDIOSE**
[72] BESCHE, BEATRICE, FR
[72] JIMENEZ, CATHERINE, FR
[71] CEVA SANTE ANIMALE, FR
[85] 2022-01-25
[86] 2020-07-31 (PCT/EP2020/071631)
[87] (WO2021/019067)
[30] EP (19305996.1) 2019-08-01

[21] **3,148,721**
[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM SIMULATING A DECISIONAL PROCESS IN A MAMMAL BRAIN ABOUT MOTIONS OF A VISUALLY OBSERVED BODY**
[54] **SYSTEME SIMULANT UN PROCESSUS DECISIONNEL DANS UN CERVEAU DE MAMMIFERE CONCERNANT DES MOUVEMENTS D'UN CORPS OBSERVE VISUELLEMENT**
[72] FAUBERT, JOCELYN, CA
[72] MISAGHIAN, KHASHAYAR, CA
[72] LUGO, EDUARDO, CA
[72] TRANVOUEZ-BERNARDIN, DELPHINE, CA
[71] UNIVERSITE DE MONTREAL, CA
[71] ESSILOR INTERNATIONAL, FR
[85] 2022-01-25
[86] 2020-08-03 (PCT/EP2020/071835)
[87] (WO2021/023724)
[30] EP (19190135.4) 2019-08-05

[21] **3,148,722**
[13] A1
[51] **Int.Cl. A61H 23/02 (2006.01) A61H 7/00 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TACTILE STIMULATION OF HUMAN SKIN**
[54] **APPAREIL ET METHODE DE STIMULATION TACTILE DE LA PEAU HUMAINE**
[72] DI LERNIA, DANIELE, IT
[71] DI LERNIA, DANIELE, IT
[85] 2022-01-25
[86] 2020-08-06 (PCT/EP2020/072163)
[87] (WO2021/023827)
[30] EP (19190486.1) 2019-08-07

[21] **3,148,723**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **SHP2 INHIBITORS**
[54] **INHIBITEURS DE SHP2**
[72] CIAMMAICHELLA, ALINA, IT
[72] FERRIGNO, FEDERICA, IT
[72] ONTORIA ONTORIA, JESUS MARIA, IT
[72] PETROCCHI, ALESSIA, IT
[72] PONZI, SIMONA, IT
[72] ROSSETTI, ILARIA, IT
[72] SFERRAZZA, ALESSIO, IT
[72] TORRENTE, ESTHER, IT
[71] IRBM S.P.A., IT
[71] C.N.C.C.S. SCARL COLLEZIONE NAZIONALE DEI COMPOSTI CHIMICI E CENTRO SCREENING, IT
[85] 2022-01-25
[86] 2020-08-07 (PCT/EP2020/072319)
[87] (WO2021/028362)
[30] EP (19190957.1) 2019-08-09

[21] **3,148,724**
[13] A1
[51] **Int.Cl. A61B 17/72 (2006.01)**
[25] EN
[54] **INTRAMEDULLARY NAIL FOR DISTRACTING A LONG BONE**
[54] **CLOU CENTROMEDULLAIRE POUR LA DISTRACTION D'UN OS LONG**
[72] STAUCH, ROMAN, DE
[72] MULLER, MARTINA, DE
[72] HAMMEL, SEBASTIAN, DE
[71] ORTHOFIX S.R.L., IT
[85] 2022-01-25
[86] 2020-08-20 (PCT/EP2020/073302)
[87] (WO2021/032823)
[30] DE (10 2019 122 354.7) 2019-08-20

[21] **3,148,725**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/70 (2020.01) H05B 3/34 (2006.01)**
[25] EN
[54] **HEATER ASSEMBLY**
[54] **ENSEMBLE CHAUFFAGE**
[72] REEVELL, TONY, GB
[72] ZHANG, YINGXU, CN
[71] JT INTERNATIONAL SA, CH
[85] 2022-01-25
[86] 2020-08-28 (PCT/EP2020/074151)
[87] (WO2021/043693)
[30] CN (PCT/CN2019/104804) 2019-09-06

[21] **3,148,726**
[13] A1
[51] **Int.Cl. A01M 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFICATION OF PLANT SPECIES**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'ESPECES DE PLANTES**
[72] PICON RUIZ, ARTZAI, ES
[72] LINARES DE LA PUERTA, MIGUEL, ES
[72] KLUKAS, CHRISTIAN, DE
[72] EGGERS, TILL, DE
[72] OBERST, RAINER, DE
[72] CONTRERAS GALLARDO, JUAN MANUEL, ES
[72] ROMERO RODRIGUEZ, JAVIER, ES
[72] GAD, HIKAL KHAIRY SHOHDY, DE
[72] KRAEMER, GERD, DE
[72] ECHAZARRA HUGUET, JONE, ES
[72] NAVARRA-MESTRE, RAMON, DE
[72] GONZALEZ SAN EMETERIO, MIGUEL, ES
[71] BASF SE, DE
[85] 2022-01-25
[86] 2020-09-03 (PCT/EP2020/074600)
[87] (WO2021/043904)
[30] EP (19195608.5) 2019-09-05

[21] **3,148,727**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **ARTIFICAL INTELLIGENCE/MACHINE LEARNING DRIVEN ASSESSMENT SYSTEM FOR A COMMUNITY OF ELECTRICAL EQUIPMENT USERS**
[54] **SYSTEME D'EVALUATION ENTRAINE PAR APPRENTISSAGE AUTOMATIQUE/INTELLIGENCE ARTIFICIELLE POUR UNE COMMUNAUTE D'UTILISATEURS D'EQUIPEMENT ELECTRIQUE**
[72] TEHINI, LONY, CA
[72] CHEIM, LUIZ, US
[72] PEARCE, STEPHEN, GB
[71] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2022-01-25
[86] 2020-09-04 (PCT/EP2020/074792)
[87] (WO2021/043998)
[30] US (16/561,269) 2019-09-05

[21] **3,148,729**
[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01) B01J 8/00 (2006.01) B01J 19/24 (2006.01) B01J 35/04 (2006.01)**
[25] EN
[54] **ON DEMAND HYDROGEN FROM AMMONIA**
[54] **HYDROGENE A LA DEMANDE A PARTIR D'AMMONIAC**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] KLEIN, ROBERT, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-01-25
[86] 2020-09-24 (PCT/EP2020/076704)
[87] (WO2021/063795)
[30] DK (PA 2019 01146) 2019-10-01
[30] DK (PA 2019 01435) 2019-12-06

[21] **3,148,730**
[13] A1
[51] **Int.Cl. C01C 3/02 (2006.01) B01J 8/00 (2006.01) B01J 19/24 (2006.01) B01J 35/04 (2006.01) C07C 253/26 (2006.01)**
[25] EN
[54] **CYANIDE ON DEMAND**
[54] **CYANIDE A LA DEMANDE**
[72] MORTENSEN, PETER MOLGAARD, DK
[72] LARSEN, KASPER EMIL, DK
[72] AASBERG-PETERSEN, KIM, DK
[72] KLEIN, ROBERT, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2022-01-25
[86] 2020-09-24 (PCT/EP2020/076713)
[87] (WO2021/063799)
[30] DK (PA 2019 01150) 2019-10-01
[30] DK (PA 2019 01433) 2019-12-06

[21] **3,148,731**
[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **MULTIMODAL ANALYSIS OF STABILIZED CELL-CONTAINING BODILY FLUID SAMPLES**
[54] **ANALYSE MULTIMODALE D'ECHANTILLONS DE FLUIDES CORPORELS CONTENANT DES CELLULES STABILISEES**
[72] BABAYAN, ANNA, DE
[72] ULLIUS, ANDREA, DE
[72] GROLZ, DANIEL, DE
[72] GUNTHER, KALLE, DE
[71] QIAGEN GMBH, DE
[85] 2022-01-25
[86] 2020-09-24 (PCT/EP2020/076801)
[87] (WO2021/058692)
[30] EP (19199283.3) 2019-09-24

[21] **3,148,732**
[13] A1
[51] **Int.Cl. B01J 23/04 (2006.01) B01J 37/08 (2006.01) C07C 51/09 (2006.01) C07C 67/343 (2006.01)**
[25] EN
[54] **A CATALYST AND A PROCESS FOR THE PRODUCTION OF ETHYLENICALLY UNSATURATED CARBOXYLIC ACIDS OR ESTERS**
[54] **PROCESSUS ET CATALYSEUR DE PRODUCTION D'ACIDES OU D'ESTERS CARBOXYLIQUES ETHYLENIQUEMENT INSATURE**
[72] RUNNACLES, JONATHAN, GB
[72] JOHNSON, DAVID WILLIAM, GB
[72] HASEGAWA, TOSHIO, JP
[72] NISHIDA, KAZUFUMI, JP
[72] NINOMIYA, WATARU, JP
[71] MITSUBISHI CHEMICAL UK LIMITED, GB
[85] 2022-01-25
[86] 2020-07-24 (PCT/GB2020/051793)
[87] (WO2021/019224)
[30] GB (1910754.9) 2019-07-26

[21] **3,148,733**
[13] A1
[51] **Int.Cl. F25B 45/00 (2006.01) B01D 53/02 (2006.01) B01D 53/96 (2006.01) B01J 20/30 (2006.01) F25B 9/00 (2006.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR AT LEAST PARTIALLY DRAINING AN OPERATING SYSTEM**
[54] **PROCEDE ET APPAREIL POUR LE DRAINAGE AU MOINS PARTIEL D'UN SYSTEME D'EXPLOITATION**
[72] LOW, ROBERT, GB
[71] MEXICHEM FLUOR S.A. DE C.V., MX
[85] 2022-01-25
[86] 2020-07-27 (PCT/GB2020/051798)
[87] (WO2021/019227)
[30] GB (1910839.8) 2019-07-30

[21] **3,148,734**
[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01) A61K 47/69 (2017.01) A61K 49/18 (2006.01) A61N 5/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING TUMORS**
[54] **METHODES DE TRAITEMENT DE TUMEURS**
[72] TILLEMENT, OLIVIER, FR
[72] LUX, FRANCOIS, FR
[72] DUFORT, SANDRINE, FR
[72] VERRY, CAMILLE, FR
[72] LEDUC, GERALDINE, FR
[71] NH THERAGUIX, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[85] 2022-01-25
[86] 2019-07-29 (PCT/IB2019/000880)
[87] (WO2021/019268)

[21] **3,148,735**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **ANTI-HK2 CHIMERIC ANTIGEN RECEPTOR (CAR)**
[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE ANTI-HK2 (CAR)**
[72] BRITTINGHAM, RAYMOND, US
[72] GANESAN, RAJKUMAR, US
[72] LA PORTE, SHERRY, US
[72] LEE, JOHN, US
[72] LUO, JINQUAN, US
[72] MCDEVITT, THERESA, US
[72] SHEN, FEI, US
[72] SINGH, SANJAYA, US
[72] SONG, DEGANG, US
[72] VENKATARAMANI, SATHYADEVI, US
[72] YI, FANG, US
[72] ZHAO, YONGHONG, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-01-25
[86] 2020-07-23 (PCT/IB2020/056966)
[87] (WO2021/019386)
[30] US (62/878,958) 2019-07-26
[30] US (62/898,635) 2019-09-11
[30] US (62/910,645) 2019-10-04
[30] US (63/030,522) 2020-05-27

[21] **3,148,736**
[13] A1
[51] **Int.Cl. A47B 57/20 (2006.01) A47B 96/06 (2006.01) F16B 12/20 (2006.01)**
[25] EN
[54] **SUPPORT DEVICE FOR FURNITURE SHELVES**
[54] **DISPOSITIF DE SUPPORT POUR ETAGERES**
[72] CATTANEO, CARLO, IT
[71] LEONARDO S.R.L., IT
[85] 2022-01-25
[86] 2020-07-29 (PCT/IB2020/057142)
[87] (WO2021/019455)
[30] IT (102019000013428) 2019-07-31
[30] IT (102019000016247) 2019-09-13

[21] **3,148,737**
[13] A1
[51] **Int.Cl. C12N 1/06 (2006.01) A23L 33/135 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **HOMOGENISATION PROCESS FOR THE PREPARATION OF A CELLULAR COMPONENT HOMOGENATE**
[54] **PROCEDE D'HOMOGENEISATION POUR LA PREPARATION D'UN HOMOGENAT DE COMPOSANT CELLULAIRE**
[72] MOGNA, VERA, IT
[72] PANE, MARCO, IT
[72] AMORUSO, ANGELA, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2022-01-25
[86] 2020-07-30 (PCT/IB2020/057205)
[87] (WO2021/019491)
[30] IT (102019000013356) 2019-07-30

[21] **3,148,738**
[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED CONTROL OF ELECTRONIC DEVICES ON BASIS OF BEHAVIOR**
[54] **SYSTEMES ET PROCEDES DE COMMANDE AUTOMATISEE DE DISPOSITIFS ELECTRONIQUES SUR LA BASE D'UN COMPORTEMENT**
[72] RODINGER, TOMAS, CA
[72] DYCK, NATHAN, CA
[72] CHU, GIMMY, CA
[72] ESKI, ALIAKBAR JUZER, CA
[72] FERRAZ, DOUGLAS ROCHA, CA
[72] LABARTKAVA, GVARAMI, CA
[71] NANOGRID LIMITED, CN
[85] 2022-01-25
[86] 2020-07-31 (PCT/IB2020/057298)
[87] (WO2021/019519)
[30] US (62/881,084) 2019-07-31

[21] **3,148,739**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR TREATING A DEFECTIVE CARDIAC VALVE**
[54] **APPAREIL ET METHODES POUR TRAITER UNE VALVULE CARDIAQUE DEFECTUEUSE**
[72] VESELY, IVAN, US
[72] QUINN, CONOR, IE
[72] MULLIGAN, AOIFE, IE
[72] HENEGHAN, PAUL, IE
[72] QUINN, PATRICK, IE
[72] O'SULLIVAN, STEPHEN, IE
[71] CROIVALVE LTD., IE
[85] 2022-01-25
[86] 2020-08-04 (PCT/IB2020/057368)
[87] (WO2021/024183)
[30] US (62/882,961) 2019-08-05

[21] **3,148,740**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61P 25/28 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODIES THAT BIND TO PATHOLOGICAL TAU SPECIES AND USES THEREOF**
[54] **ANTICORPS QUI SE LIENT A DES ESPECES TAU PATHOLOGIQUES ET LEURS UTILISATIONS**
[72] JANG, MING-KUEI, TW
[72] TAI, CHIN-YIN, TW
[71] APRINOIA THERAPEUTICS LIMITED, CN
[85] 2022-01-25
[86] 2020-08-05 (PCT/IB2020/057415)
[87] (WO2021/024209)
[30] US (62/883,605) 2019-08-06

[21] **3,148,741**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION**
[72] KAWAGUCHI, KOJI, JP
[72] SATO, TAKESHI, JP
[71] FUJI CORPORATION, JP
[85] 2022-01-25
[86] 2019-07-26 (PCT/JP2019/029405)
[87] (WO2021/019596)

[21] **3,148,742**
[13] A1
[51] **Int.Cl. C09D 5/02 (2006.01) C09D 7/63 (2018.01) C09D 133/00 (2006.01) C09D 161/28 (2006.01) C09D 167/00 (2006.01)**
[25] EN
[54] **AQUEOUS COATING COMPOSITION**
[54] **COMPOSITION AQUEUSE DE REVETEMENT**
[72] KUBO, YOSHITAKA, JP
[72] MIZUTANI, YUSUKE, JP
[72] INAGAKI, TAKUYA, JP
[72] YOKOTA, GEN, JP
[71] KANSAI PAINT CO., LTD., JP
[85] 2022-01-25
[86] 2020-06-08 (PCT/JP2020/022557)
[87] (WO2021/024604)
[30] JP (2019-143045) 2019-08-02

[21] **3,148,743**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04L 27/26 (2006.01)**
[25] EN
[54] **RECEIVING DEVICE, TRANSMITTING DEVICE, RECEIVING METHOD, AND TRANSMITTING METHOD**
[54] **DISPOSITIF DE RECEPTION, DISPOSITIF D'EMISSION, PROCEDE DE RECEPTION ET PROCEDE D'EMISSION**
[72] MAKI, SHOTARO, JP
[72] NISHIO, AKIHIKO, JP
[72] HORIUCHI, AYAKO, JP
[72] BHAMRI, ANKIT, JP
[72] SUZUKI, HIDETOSHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2022-01-25
[86] 2020-08-05 (PCT/JP2020/030026)
[87] (WO2021/029298)
[30] JP (2019-149144) 2019-08-15

[21] **3,148,746**
[13] A1
[51] **Int.Cl. G01D 5/353 (2006.01) G01B 11/16 (2006.01) G01K 11/32 (2021.01)**
[25] EN
[54] **METHOD AND DEVICE FOR RECONSTRUCTING A BACKSCATTERED ELECTROMAGNETIC VECTOR WAVE**
[54] **PROCEDE ET DISPOSITIF DE RECONSTRUCTION D'UNE ONDE ELECTROMAGNETIQUE VECTORIELLE RETRODIFFUSEE**
[72] CALBRIS, GAETAN, FR
[72] LANTICQ, VINCENT, FR
[72] ALMORIC, ETIENNE, FR
[71] FEBUS OPTICS, FR
[85] 2022-01-25
[86] 2020-07-26 (PCT/FR2020/051368)
[87] (WO2021/019171)
[30] FR (FR1908568) 2019-07-26

[21] **3,148,747**
[13] A1
[51] **Int.Cl. C08F 212/14 (2006.01) C08F 8/12 (2006.01) C08F 220/26 (2006.01) G03F 7/039 (2006.01)**
[25] EN
[54] **POLYMER AND METHOD FOR PRODUCING SAME, AND RESIN COMPOSITION FOR RESIST**
[54] **POLYMERE ET SON PROCEDE DE PRODUCTION ET COMPOSITION DE RESINE POUR RESERVES**
[72] AIHARA, HIROMICHI, JP
[72] MASUKAWA, TOMOHIRO, JP
[71] MARUZEN PETROCHEMICAL CO., LTD., JP
[85] 2022-01-25
[86] 2020-08-06 (PCT/JP2020/030120)
[87] (WO2021/029310)
[30] JP (2019-147848) 2019-08-09

[21] **3,148,748**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) G02B 5/02 (2006.01)**
[25] EN
[54] **MULTIVIEW BACKLIGHT, DISPLAY, AND METHOD EMPLOYING AN OPTICAL DIFFUSER**
[54] **RETROECLAIRAGE A VUES MULTIPLES, AFFICHEUR ET PROCEDE UTILISANT UN DIFFUSEUR OPTIQUE**
[72] FATTAL, DAVID A., US
[72] HOEKMAN, THOMAS, US
[71] LEIA INC., US
[85] 2022-01-25
[86] 2019-08-27 (PCT/US2019/048417)
[87] (WO2021/040700)

[21] **3,148,749**
[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) G01N 33/569 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **METHOD FOR SCREENING PERSONALIZED INTESTINAL ENVIRONMENT-IMPROVING MATERIAL AND COMPOSITION THEREFOR**
[54] **PROCEDE DE CRIBLAGE D'UNE SUBSTANCE PERSONNALISEE AMELIORANT L'ENVIRONNEMENT INTESTINAL A L'AIDE D'UN PROCEDE PMAS**
[72] PARK, SO YOUNG, KR
[72] JI, YO SEP, KR
[71] HEM PHARMA INC., KR
[85] 2022-01-25
[86] 2020-01-31 (PCT/KR2020/001485)
[87] (WO2021/040159)
[30] KR (10-2019-0107146) 2019-08-30

[21] **3,148,750**
[13] A1
[51] **Int.Cl. A63F 1/00 (2006.01)**
[25] EN
[54] **INTUITION GAMBLING GAME SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE JEU DE HASARD BASE SUR L'INTUITION**
[72] LAMLE, STEWART, US
[71] LAMLE, STEWART, US
[85] 2022-01-25
[86] 2019-09-24 (PCT/US2019/052700)
[87] (WO2021/025714)
[30] US (62/883,150) 2019-08-06

[21] **3,148,751**
[13] A1
[51] **Int.Cl. H04N 19/109 (2014.01) H04N 19/513 (2014.01) H04N 19/527 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **VIDEO ENCODING/DECODING METHOD AND APPARATUS USING MOTION INFORMATION CANDIDATE, AND METHOD FOR TRANSMITTING BITSTREAM**
[54] **PROCEDE ET APPAREIL DE CODAGE/DECODAGE VIDEO AU MOYEN D'UN CANDIDAT D'INFORMATIONS DE MOUVEMENT, ET PROCEDE DE TRANSMISSION DE FLUX BINAIRE**
[72] NAM, JUNG HAK, KR
[72] PARK, NAE RI, KR
[72] JANG, HYEONG MOON, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-01-25
[86] 2020-08-05 (PCT/KR2020/010315)
[87] (WO2021/025451)
[30] US (62/883,089) 2019-08-05

[21] **3,148,752**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01) G02B 6/02 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **BACKLIGHT SCATTERING ELEMENT, MULTIVIEW DISPLAY, AND METHOD HAVING HIGH-INDEX LIGHT GUIDE LAYER**
[54] **ELEMENT DE DIFFUSION DE RETROECLAIRAGE, DISPOSITIF D'AFFICHAGE A VUES MULTIPLES ET PROCEDE AYANT UNE COUCHE DE GUIDAGE DE LUMIERE A INDICE ELEVE**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LOWNEY, JOSEPH D., US
[71] LEIA INC., US
[85] 2022-01-25
[86] 2019-08-25 (PCT/US2019/048055)
[87] (WO2021/040683)

[21] **3,148,753**
[13] A1
[51] **Int.Cl. G01C 15/00 (2006.01) G06T 7/33 (2017.01) G06T 7/70 (2017.01) H04N 5/232 (2006.01)**
[25] EN
[54] **SYSTEM FOR ALIGNING AN ITEM ALONG A PATH IN AN AREA**
[54] **SYSTEME D'ALIGNEMENT D'UN ARTICLE LE LONG D'UN CHEMIN DANS UNE ZONE**
[72] WRIGHT, MATTHEW, AU
[71] VIRTUALINE PTY LTD, AU
[85] 2022-01-26
[86] 2019-12-18 (PCT/AU2019/051394)
[87] (WO2021/016648)
[30] AU (2019902723) 2019-07-31

[21] **3,148,754**
[13] A1
[51] **Int.Cl. C09J 163/00 (2006.01) C09J 181/04 (2006.01)**
[25] EN
[54] **ADHESIVE COMPOSITIONS**
[54] **COMPOSITIONS ADHESIVES**
[72] PAGNOTTI, LOUBNA, US
[72] NAKAJIMA, MASAYUKI, US
[72] ZHOU, HONGYING, US
[72] ZHOU, YING, CN
[72] FRENCH, MARIA S., US
[72] TAN, KAR TEAN, US
[72] CONDIE, ALLISON G., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2022-01-25
[86] 2020-06-05 (PCT/US2020/036316)
[87] (WO2021/025756)
[30] US (62/883,389) 2019-08-06

[21] **3,148,755**
[13] A1
[51] **Int.Cl. H01L 31/048 (2014.01) H02S 20/26 (2014.01) H02S 40/38 (2014.01) E06B 3/66 (2006.01)**
[25] EN
[54] **SELF POWERED BUILDING UNIT**
[54] **UNITE DE CONSTRUCTION AUTO-ALIMENTEE**
[72] LYFORD, JAMIE, AU
[72] ROSENBERG, VICTOR, AU
[72] COLE, CHRISTOPHER, AU
[71] CLEARVUE TECHNOLOGIES LTD, AU
[85] 2022-01-26
[86] 2020-05-21 (PCT/AU2020/050501)
[87] (WO2021/022316)
[30] AU (2019902843) 2019-08-08
[30] AU (2019903697) 2019-10-01

[21] **3,148,756**
[13] A1
[51] **Int.Cl. C07D 405/02 (2006.01) A61P 31/12 (2006.01) A61P 31/16 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **ANTIVIRAL AGENTS AND USES THEREOF**
[54] **AGENTS ANTIVIRAUX ET LEURS UTILISATIONS**
[72] VON ITZSTEIN, MARK, AU
[72] EL-DEEB, IBRAHIM, AU
[72] HEILIG, LARISSA, AU
[72] GUILLON, PATRICE, AU
[71] GRIFFITH UNIVERSITY, AU
[85] 2022-01-26
[86] 2020-07-30 (PCT/AU2020/050784)
[87] (WO2021/016670)
[30] AU (2019902717) 2019-07-30

[21] **3,148,757**
[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01) B32B 11/02 (2006.01) C08J 3/20 (2006.01) C08J 11/04 (2006.01) C08K 5/05 (2006.01) D06N 5/00 (2006.01) E04D 11/00 (2006.01)**
[25] EN
[54] **STEROL IN ASPHALT ROOFING MATERIALS**
[54] **STEROL DANS DES MATERIAUX DE TOITURE D'ASPHALTE**
[72] REINKE, GERALD H., US
[72] BAUMGARDNER, GAYLON L., US
[72] HANZ, ANDREW, US
[71] A.L.M. HOLDING COMPANY, US
[71] ERGON ASPHALT & EMULSIONS, INC., US
[85] 2022-01-25
[86] 2020-07-15 (PCT/US2020/042203)
[87] (WO2021/011704)
[30] US (62/874,229) 2019-07-15
[30] US (62/887,811) 2019-08-16
[30] US (63/027,845) 2020-05-20

[21] **3,148,758**
[13] A1
[51] **Int.Cl. E21D 21/00 (2006.01) F16B 13/08 (2006.01)**
[25] EN
[54] **"FRICTION STABILIZER"**
[54] **STABILISATEUR DE FROTTEMENT**
[72] WASLEY, JASON, AU
[71] WASLEY, JASON, AU
[85] 2022-01-26
[86] 2020-08-06 (PCT/AU2020/050813)
[87] (WO2021/022338)
[30] AU (2019902814) 2019-08-06
[30] AU (2019903893) 2019-10-15

[21] **3,148,759**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **ON-THE-FLY INROUTE ADAPTIVE MODULATION**
[54] **MODULATION ADAPTATIVE A LA VOLEE SUR TRAJET**
[72] BORDER, JOHN, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-01-25
[86] 2020-07-21 (PCT/US2020/042874)
[87] (WO2021/021492)
[30] US (16/523,367) 2019-07-26

[21] **3,148,760**
[13] A1
[51] **Int.Cl. G06F 16/53 (2019.01) G06N 3/02 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **AUTOMATED IMAGE RETRIEVAL WITH GRAPH NEURAL NETWORK**
[54] **EXTRACTION D'IMAGE AUTOMATISEE AU MOYEN D'UN RESEAU NEURONAL DE GRAPHE**
[72] LIU, CHUNDI, CA
[72] YU, GUANGWEI, CA
[72] VOLKOVS, MAKSIMS, CA
[71] THE TORONTO-DOMINION BANK, CA
[85] 2022-01-26
[86] 2020-07-15 (PCT/CA2020/050983)
[87] (WO2021/030899)
[30] US (62/888,435) 2019-08-16
[30] US (16/917,422) 2020-06-30

[21] **3,148,761**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/689 (2018.01) C12Q 1/68 (2018.01) G01N 1/28 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **BUFFER COMPOSITIONS FOR REDUCING AGGREGATION**
[54] **COMPOSITIONS TAMPON POUR REDUIRE L'AGREGATION**
[72] COTE, JEAN-SEBASTIEN, US
[72] FORTIN, MARIE-CHRISTINE, US
[72] BLANCHETTE, VINCENT, US
[72] TREMBLAY, MARIE-HELENE, US
[72] MORASSE, SEBASTIEN, US
[72] GUAY, SOPHIE, US
[72] SIMARD, SEBASTIEN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-01-25
[86] 2020-07-22 (PCT/US2020/043093)
[87] (WO2021/021522)
[30] US (62/879,310) 2019-07-26

[21] **3,148,762**
[13] A1
[51] **Int.Cl. H04W 4/029 (2018.01) G06K 9/00 (2022.01) G06K 9/62 (2022.01)**
[25] EN
[54] **MULTI-COMPUTER PROCESSING SYSTEM FOR DYNAMICALLY EXECUTING RESPONSE ACTIONS BASED ON MOVEMENT DATA**
[54] **SYSTEME DE TRAITEMENT MULTI-ORDINATEUR POUR EXECUTER DES ACTIONS DE REPONSE DYNAMIQUES SUR LA BASE DE DONNEES DE MOUVEMENT**
[72] KUMAR, SURENDER, US
[72] CHINTAKINDI, SUNIL, US
[72] HAYES, HOWARD, US
[72] GIBSON, TIM, US
[72] ROSANWO, SOTON AYODELE, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2022-01-25
[86] 2020-07-23 (PCT/US2020/043211)
[87] (WO2021/021545)
[30] US (16/523,308) 2019-07-26

[21] **3,148,763**
[13] A1
[51] **Int.Cl. A61B 17/15 (2006.01) A61B 17/17 (2006.01) A61B 17/56 (2006.01) A61B 17/80 (2006.01)**
[25] EN
[54] **BONE REPOSITIONING GUIDE SYSTEM AND PROCEDURE**
[54] **SYSTEME ET PROCEDURE DE GUIDAGE DE REPOSITIONNEMENT OSSEUX**
[72] HOLLIS, CHAD, US
[72] SAYGER, DANIEL, US
[71] CROSSROADS EXTREMITY SYSTEMS, LLC, US
[85] 2022-01-25
[86] 2020-07-24 (PCT/US2020/043525)
[87] (WO2021/021640)
[30] US (62/879,340) 2019-07-26

[21] **3,148,764**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **METHODS OF TREATING ANTIBODY-MEDIATED DISORDERS WITH FCRN ANTAGONISTS**
[54] **METHODES DE TRAITEMENT DE TROUBLES MEDIES PAR DES ANTICORPS AVEC DES ANTAGONISTES DU FCRN**
[72] MACKNESS, BRIAN, US
[72] QIU, HUAWEI, US
[71] GENZYME CORPORATION, US
[85] 2022-01-25
[86] 2020-07-24 (PCT/US2020/043533)
[87] (WO2021/016571)
[30] US (62/878,541) 2019-07-25

[21] **3,148,765**
[13] A1
[51] **Int.Cl. B01D 3/00 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **SEPARATION OF CANNABINOIDS FROM CANNABINOID MIXTURES BY DERIVATIZATION**
[54] **SEPARATION DE CANNABINOIDES DE MELANGES DE CANNABINOIDES PAR DERIVATISATION**
[72] ADAIR, CHRISTOPHER, CA
[72] GEILING, BEN, CA
[72] MARYNISSEN, LOGAN, CA
[71] CANOPY GROWTH CORPORATION, CA
[85] 2022-01-26
[86] 2020-07-30 (PCT/CA2020/051049)
[87] (WO2021/016716)
[30] US (62/881,027) 2019-07-31

[21] **3,148,766**
[13] A1
[51] **Int.Cl. B01D 3/00 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **SEPARATION OF CANNABINOIDS FROM MIXTURES THEREOF BY DISTILLATION**
[54] **SEPARATION DE CANNABINOIDES DE MELANGES DE CEUX-CI PAR DISTILLATION**
[72] ADAIR, CHRISTOPHER, CA
[72] GEILING, BEN, CA
[72] MARYNISSEN, LOGAN, CA
[71] CANOPY GROWTH CORPORATION, CA
[85] 2022-01-26
[86] 2020-07-30 (PCT/CA2020/051051)
[87] (WO2021/016718)
[30] US (62/881,038) 2019-07-31

[21] **3,148,767**
[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 45/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TREATMENT OF P53-DEFICIENT CANCERS**
[54] **TRAITEMENT DE CANCERS DEFICIENTS EN P53**
[72] BAKIN, ANDREI, US
[72] ZONNEVILLE, JUSTIN, US
[71] HEALTH RESEARCH, INC., US
[85] 2022-01-25
[86] 2020-07-27 (PCT/US2020/043750)
[87] (WO2021/021741)
[30] US (62/879,231) 2019-07-26

[21] **3,148,768**
[13] A1
[51] **Int.Cl. H01R 12/72 (2011.01) H01R 24/50 (2011.01) H01R 13/436 (2006.01)**
[25] EN
[54] **8 + 2 WAY XLR PCB FEMALE CONNECTOR**
[54] **CONNECTEUR FEMELLE DE CARTE DE CIRCUIT IMPRIME XLR A 8+2 VOIES**
[72] DOBLER, OLIVER, AT
[71] NEUTRIK AG, LI
[85] 2022-01-26
[86] 2020-08-12 (PCT/EP2020/025371)
[87] (WO2021/028077)
[30] CN (201921311838.7) 2019-08-13

[21] **3,148,769**
[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 35/17 (2015.01) A61K 31/4196 (2006.01) A61K 31/437 (2006.01) A61K 31/438 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/454 (2006.01) A61K 31/4725 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/501 (2006.01) A61K 31/5377 (2006.01) A61K 31/5383 (2006.01) A61K 31/5386 (2006.01) A61K 31/541 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07D 249/12 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 471/20 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 498/10 (2006.01) C07D 498/20 (2006.01)**
[25] EN
[54] **UREA, AMIDE, AND SUBSTITUTED HETEROARYL COMPOUNDS FOR CBL-B INHIBITION**
[54] **COMPOSES D'UREE, D'AMIDE ET D'HETEROARYLE SUBSTITUE POUR L'INHIBITION DE CBL-B**
[72] SANDS, ARTHUR T., US
[72] BENCE, NEIL F., US
[72] ZAPF, CHRISTOPH W., US
[72] COHEN, FREDERICK, US
[72] WANG, CHENBO, US
[72] CUMMINS, THOMAS, US
[72] TANAKA, HIROKO, US
[72] LAWRENZ, MORGAN, US
[72] CARDOZO, MARIO, US
[72] WEISS, DAHLIA, US
[72] GOSLING, JENNIFA, US
[71] NURIX THERAPEUTICS, INC., US
[85] 2022-01-25
[86] 2020-07-27 (PCT/US2020/043788)
[87] (WO2021/021761)
[30] US (62/880,310) 2019-07-30

[21] **3,148,770**
[13] A1
[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/46 (2006.01) E21B 12/02 (2006.01)**
[25] EN
[54] **DRILL BITS FOR OIL AND GAS APPLICATIONS**
[54] **TREPANS POUR APPLICATIONS PETROLIERES ET GAZIERES**
[72] ZHAN, GUODONG, SA
[72] GOONERATNE, CHINTHAKA PASAN, SA
[72] LI, BODONG, SA
[72] MOELLENDICK, TIMOTHY E., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2022-01-25
[86] 2020-07-28 (PCT/US2020/043853)
[87] (WO2021/021796)
[30] US (16/524,883) 2019-07-29

[21] **3,148,771**
[13] A1
[51] **Int.Cl. B04B 11/04 (2006.01) B04B 1/14 (2006.01) B04B 13/00 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATION SYSTEM AND METHOD OF OPERATING A CENTRIFUGAL SEPARATOR**
[54] **SYSTEME DE SEPARATION CENTRIFUGE ET PROCEDE DE FONCTIONNEMENT D'UN SEPARATEUR CENTRIFUGE**
[72] LARSSON, PER-GUSTAF, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2022-01-26
[86] 2020-07-03 (PCT/EP2020/068856)
[87] (WO2021/032353)
[30] EP (19192213.7) 2019-08-19

[21] **3,148,772**
[13] A1
[51] **Int.Cl. B07C 5/34 (2006.01) B07C 5/342 (2006.01) B07C 5/344 (2006.01) B07C 5/346 (2006.01) B07C 5/36 (2006.01) B07C 5/06 (2006.01)**
[25] EN
[54] **BENEFICIATION ARRANGEMENT, METHOD AND USE OF THE ARRANGEMENT**
[54] **AGENCEMENT D'ENRICHISSEMENT, PROCEDE ET UTILISATION DE L'AGENCEMENT**
[72] GRONVALL, LARS, SE
[71] METSO OUTOTEC USA INC., US
[85] 2022-01-26
[86] 2020-07-24 (PCT/EP2020/070995)
[87] (WO2021/018781)
[30] SE (1950907-4) 2019-07-29

[21] **3,148,773**
[13] A1
[51] **Int.Cl. A61M 1/34 (2006.01) B01D 61/18 (2006.01) B01D 63/02 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR THE BROAD-SPECTRUM REDUCTION OF PRO-INFLAMMATORY CYTOKINES IN BLOOD**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE REDUCTION DE GRANDE AMPLEUR DES CYTOKINES PRO-INFLAMMATOIRES DANS LE SANG**
[72] ROBERTS, CRAIG P., US
[72] JOYCE, JAMES A., US
[71] SIGYN THERAPEUTICS, INC., US
[85] 2022-01-25
[86] 2020-07-30 (PCT/US2020/044223)
[87] (WO2021/022023)
[30] US (62/881,740) 2019-08-01

[21] **3,148,774**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 15/14 (2006.01) G01N 33/487 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMMUNE ACTIVITY DETERMINATION**
[54] **SYSTEME ET PROCEDE DE DETERMINATION D'UNE ACTIVITE IMMUNITAIRE**
[72] TSE, HENRY TAT KWONG, US
[72] SHAH, AJAY M., US
[72] GUILLOU, LIONEL, US
[72] SHEYBANI, ROYA, US
[72] DAHLBERG, CHRISTOPHER, US
[72] JENSEN, ANNE E., US
[71] CYTOVALE INC., US
[85] 2022-01-25
[86] 2020-07-30 (PCT/US2020/044280)
[87] (WO2021/022050)
[30] US (62/881,283) 2019-07-31

[21] **3,148,775**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) B01L 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND MODULES FOR NUCLEIC ACID AMPLIFICATION TESTING**
[54] **SYSTEMES ET MODULES POUR TEST D'AMPLIFICATION D'ACIDES NUCLEIQUES**
[72] BUCKLAND, JUSTIN, GB
[72] STOKOE, ALEX, GB
[71] LEX DIAGNOSTICS LTD, GB
[85] 2022-01-26
[86] 2020-07-24 (PCT/EP2020/071049)
[87] (WO2021/018801)
[30] EP (19188514.4) 2019-07-26

[21] **3,148,776**
[13] A1
[51] **Int.Cl. A61K 31/365 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **A DOSING REGIMEN FOR AN IDO INHIBITOR**
[54] **SCHEMA POSOLOGIQUE POUR UN INHIBITEUR D'IDO**
[72] SMITH, MICHAEL, US
[72] NEWTON, ROBERT C., US
[72] OWENS, SHERRY, US
[71] INCYTE CORPORATION, US
[85] 2022-01-25
[86] 2020-07-31 (PCT/US2020/044533)
[87] (WO2021/022172)
[30] US (62/881,518) 2019-08-01

[21] **3,148,777**
[13] A1
[51] **Int.Cl. B01L 7/00 (2006.01)**
[25] EN
[54] **HEATER**
[54] **DISPOSITIF DE CHAUFFAGE**
[72] BUCKLAND, JUSTIN, GB
[72] MURRAY, SEOIRSE, GB
[71] LEX DIAGNOSTICS LTD, GB
[85] 2022-01-26
[86] 2020-07-24 (PCT/EP2020/071059)
[87] (WO2021/018807)
[30] EP (19188688.6) 2019-07-26

[21] **3,148,778**
[13] A1
[51] **Int.Cl. C08G 18/46 (2006.01) C08G 73/10 (2006.01) C08G 73/16 (2006.01)**
[25] EN
[54] **POLYURETHANE FOAM COMPOSITION COMPRISING AN AROMATIC POLYESTER POLYOL COMPOUND AND PRODUCTS MADE THEREFROM**
[54] **COMPOSITION DE MOUSSE DE POLYURETHANE COMPRENANT UN COMPOSE POLYESTER POLYOL AROMATIQUE ET PRODUITS FABRIQUES A PARTIR DE CELLE-CI**
[72] XI, KAI, US
[72] SHIEH, DAVID J., US
[72] WU, LIFENG, US
[72] SINGH, SACHCHIDA, US
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2022-01-25
[86] 2020-08-05 (PCT/US2020/045014)
[87] (WO2021/030115)
[30] US (62/884,842) 2019-08-09

[21] **3,148,779**
[13] A1
[51] **Int.Cl. C08G 18/46 (2006.01) C08G 73/10 (2006.01) C08G 73/16 (2006.01)**
[25] EN
[54] **POLYESTER POLYOL COMPRISING AN IMIDE MOIETY AND METHODS OF MANUFACTURE THEREOF**
[54] **POLYESTER POLYOL COMPRENANT UNE FRACTION IMIDE ET PROCEDES DE FABRICATION DE CELUI-CI**
[72] XI, KAI, US
[72] SHIEH, DAVID J., US
[72] WU, LIFENG, US
[72] SINGH, SACHCHIDA, US
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2022-01-25
[86] 2020-08-05 (PCT/US2020/045017)
[87] (WO2021/030117)
[30] US (62/884,852) 2019-08-09

[21] **3,148,780**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/506 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **HETEROARYL-SUBSTITUTED PYRAZOLO-PYRIDINE PROTEIN KINASE INHIBITORS FOR PROMOTING LIVER REGENERATION OR REDUCING OR PREVENTING HEPATOCYTE DEATH**
[54] **INHIBITEURS DE PROTEINE KINASE DE PYRAZOLO-PYRIDINE SUBSTITUES PAR HETEROARYLE POUR FAVORISER LA REGENERATION DU FOIE OU REDUIRE OU PREVENIR LA MORT DES HEPATOCYTES**
[72] PFAFFENROT, BENT, DE
[72] SELIG, ROLAND, DE
[72] LAUFER, STEFAN, DE
[72] ALBRECHT, WOLFGANG, DE
[71] HEPAREGENIX GMBH, DE
[85] 2022-01-26
[86] 2020-07-27 (PCT/EP2020/071090)
[87] (WO2021/018820)
[30] EP (19188876.7) 2019-07-29
[30] EP (20172253.5) 2020-04-30

[21] **3,148,781**
[13] A1
[51] **Int.Cl. F16H 7/08 (2006.01) F16H 7/10 (2006.01) F16H 7/12 (2006.01)**
[25] EN
[54] **ORBITAL TENSIONER**
[54] **TENDEUR ORBITAL**
[72] KOPPESER, MICHAEL, CA
[72] CADARETTE, MARC, CA
[72] KIM, SANGKYU, CA
[71] GATES CORPORATION, US
[85] 2022-01-25
[86] 2020-08-06 (PCT/US2020/045146)
[87] (WO2021/026319)
[30] US (16/533,486) 2019-08-06

[21] **3,148,782**
[13] A1
[51] **Int.Cl. B65H 57/06 (2006.01) B65H 57/16 (2006.01) D01H 13/04 (2006.01) D02J 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GUIDING FIBERS**
[54] **SYSTEME ET PROCEDE DE GUIDAGE DE FIBRES**
[72] GELI, MAURICE, US
[72] RUMY, ARPAD, US
[71] ZOLTEK CORPORATION, US
[85] 2022-01-25
[86] 2020-08-06 (PCT/US2020/045189)
[87] (WO2021/026344)
[30] US (62/883,832) 2019-08-07

[21] **3,148,783**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) A61B 5/349 (2021.01) A61B 5/00 (2006.01)**
[25] EN
[54] **DISPOSITIF DE DETERMINATION D'UNE INFORMATION PORTANT SUR UN ETAT DE DECOMPENSATION CARDIAQUE**
[54] **DEVICE FOR DETERMINING A PIECE OF INFORMATION RELATING TO A CARDIAC DECOMPENSATION STATE**
[72] DOPIERALA, CINDY, FR
[72] GULERY, PIERRE-YVES, FR
[72] CINQUIN, PHILIPPE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE ALPES, FR
[71] GRENOBLE INP, FR
[71] SENTINHEALTH, FR
[85] 2022-01-26
[86] 2020-07-30 (PCT/EP2020/071535)
[87] (WO2021/019027)
[30] FR (FR1908864) 2019-08-01

[21] **3,148,784**
[13] A1
[51] **Int.Cl. G09G 5/00 (2006.01)**
[25] EN
[54] **AUTHORING SYSTEM FOR INTERACTIVE VIRTUAL REALITY ENVIRONMENTS**
[54] **SYSTEME DE CREATION POUR ENVIRONNEMENTS DE REALITE VIRTUELLE INTERACTIVE**
[72] KERBER, WILLIAM XAVIER III, US
[72] SO, YOON JOON, US
[72] CHOI, JAE RIM, US
[71] HUMAN MODE, LLC, US
[85] 2022-01-25
[86] 2020-08-07 (PCT/US2020/045344)
[87] (WO2021/026422)
[30] US (62/884,020) 2019-08-07
[30] US (16/549,609) 2019-08-23

[21] **3,148,785**
[13] A1
[51] **Int.Cl. A61K 8/64 (2006.01) A61K 38/10 (2006.01) A61P 35/00 (2006.01) A61Q 19/02 (2006.01)**
[25] EN
[54] **MELANOCYTE-REGULATING PEPTIDES**
[54] **PEPTIDES DE REGULATION DES MELANOCYTES**
[72] NEVOLA, LAURA, ES
[72] ESTEBAN MARTIN, SANTIAGO, ES
[71] IDP DISCOVERY PHARMA, S.L., ES
[85] 2022-01-26
[86] 2020-07-31 (PCT/EP2020/071629)
[87] (WO2021/023646)
[30] EP (19382674.0) 2019-08-02

[21] **3,148,786**
[13] A1
[51] **Int.Cl. C09K 9/02 (2006.01) C09D 11/50 (2014.01)**
[25] EN
[54] **COLOUR CHANGE COMPOSITION AND COMPOUNDS**
[54] **COMPOSITION DE CHANGEMENT DE COULEUR ET COMPOSES**
[72] SHIVKUMAR, BAGAVANT, GB
[72] SHIVKUMAR, UMA, GB
[72] MARREC, PHILIPPE, FR
[71] THERMOGRAPHIC MEASUREMENTS LTD, GB
[85] 2022-01-26
[86] 2020-07-31 (PCT/EP2020/071663)
[87] (WO2021/019074)
[30] GB (1910904.0) 2019-07-31

[21] **3,148,787**
[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 38/17 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **LIPOSOMES AND USES THEREOF**
[54] **LIPOSOMES ET LEURS UTILISATIONS**
[72] RE, FRANCESCA, IT
[72] MASSERINI, MASSIMO ERNESTO, IT
[72] SARDINA, MARCO ANTONIO ERCOLE, IT
[71] UNIVERSITA DEGLI STUDI DI MILANO - BICOCCA, IT
[85] 2022-01-26
[86] 2020-07-31 (PCT/EP2020/071683)
[87] (WO2021/019078)
[30] IT (102019000013569) 2019-07-31

[21] **3,148,788**
[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) C08G 73/02 (2006.01) C12N 15/86 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TRANSFECTING A NUCLEIC ACID MOLECULE INTO A CELL COMPRISING HETEROCYCLIC COMPOUNDS GRAFTED TO A CATIONIC POLYMER, AND THEIR APPLICATIONS**
[54] **COMPOSITIONS POUR LA TRANSFECTION D'UNE MOLECULE D'ACIDE NUCLEIQUE DANS UNE CELLULE COMPRENANT DES COMPOSES HETEROCYCLIQUES GREFFES A UN POLYMERE CATIONIQUE ET LEURS APPLICATIONS**
[72] HELLAL, MALIK, FR
[72] STOCK, FABRICE, FR
[72] ERBACHER, PATRICK, FR
[72] PHILIPSON, YANN, FR
[72] DENU, MEGANE, FR
[72] RICORDEL, MARINE, FR
[72] PREMARTIN, FANNY, FR
[72] BENCHIMOL, THIBAUT, FR
[72] PORTE, MATHIEU, FR
[72] TOUSSAINT MOREAU, VALERIE, FR
[72] HAVARD, JONATHAN, FR
[71] POLYPLUS TRANSFECTION, FR
[85] 2022-01-26
[86] 2020-08-05 (PCT/EP2020/072065)
[87] (WO2021/023796)
[30] EP (19315083.6) 2019-08-05

[21] **3,148,789**
[13] A1
[51] **Int.Cl. C09J 175/08 (2006.01) C09J 5/08 (2006.01) C09J 9/00 (2006.01) C08G 18/10 (2006.01) C08G 18/48 (2006.01)**
[25] EN
[54] **TWO-COMPONENT POLYURETHANE FOAM ADHESIVE, A PROCESS FOR PREPARING THE SAME AND AN ARTICLE MADE THEREFROM**
[54] **ADHESIF EN MOUSSE DE POLYURETHANE A DEUX COMPOSANTS, SON PROCEDE DE PREPARATION ET ARTICLE FABRIQUE A PARTIR DE CELUI-CI**
[72] CHASE, THOMAS, US
[72] WISHNESKI, TODD W., US
[72] FREEMAN, MATTHEW, US
[72] HUNTER, MARCUS J., US
[72] BELILL, JOSHUA JAMES, US
[71] BASF SE, DE
[85] 2022-01-26
[86] 2020-10-06 (PCT/EP2020/077896)
[87] (WO2021/073926)
[30] US (62/915,731) 2019-10-16
[30] EP (19208459.8) 2019-11-12

[21] **3,148,790**
[13] A1
[51] **Int.Cl. G01N 33/28 (2006.01) G16C 20/70 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISSOLVED GAS ANALYSIS**
[54] **SYSTEMES ET PROCEDES POUR L'ANALYSE DE GAZ DISSOUS**
[72] CHEIM, LUIZ, US
[71] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2022-01-26
[86] 2021-02-26 (PCT/EP2021/054951)
[87] (WO2021/170859)
[30] US (16/804,923) 2020-02-28

[21] **3,148,791**
[13] A1
[51] **Int.Cl. G06F 30/20 (2020.01)**
[25] EN
[54] **MULTI-COMPONENT SIMULATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SIMULATION A PLUSIEURS COMPOSANTS**
[72] XU, JIE, GB
[72] MCKEE, DAVID WESLEY, GB
[72] CLEMENT, STEPHEN JAMES, GB
[72] BATTERSBY, DAVID JAMES, GB
[71] UNIVERSITY OF LEEDS, GB
[85] 2022-01-26
[86] 2020-08-06 (PCT/GB2020/051879)
[87] (WO2021/028657)
[30] GB (1911447.9) 2019-08-09

[21] **3,148,792**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61P 35/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **APTAMER-BASED MULTISPECIFIC THERAPEUTIC AGENTS**
[54] **AGENTS THERAPEUTIQUES MULTISPECIFIQUES A BASE D'APTAMERES**
[72] MIODEK, ANNA, FR
[72] MOURLANE, FREDERIC, FR
[72] BAUCHE, CECILE, FR
[72] VAILLANT, RENAUD, FR
[72] BISHOP, PHILIPPE, US
[71] IXAKA FRANCE, FR
[85] 2022-01-26
[86] 2020-07-27 (PCT/IB2020/000623)
[87] (WO2021/019297)
[30] US (62/879,401) 2019-07-26
[30] US (62/879,413) 2019-07-26
[30] IB (PCT/IB2019/000890) 2019-07-26
[30] IB (PCT/IB2020/000635) 2020-07-27

[21] **3,148,793**
[13] A1
[51] **Int.Cl. H01Q 15/14 (2006.01)**
[25] EN
[54] **META-STRUCTURE WIRELESS INFRASTRUCTURE FOR BEAMFORMING SYSTEMS**
[54] **INFRASTRUCTURE SANS FIL DE META-STRUCTURE POUR SYSTEMES DE FORMATION DE FAISCEAU**
[72] SHAHVIRDI DIZAJ YEKAN, TAHA, US
[72] ACHOUR, MAHA, US
[72] FANG, JUN, US
[72] MARX, CONNY, US
[71] METAWAVE CORPORATION, US
[85] 2022-01-25
[86] 2020-08-12 (PCT/US2020/046009)
[87] (WO2021/030492)
[30] US (62/885,783) 2019-08-12
[30] US (62/926,404) 2019-10-25

[21] **3,148,794**
[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61P 25/00 (2006.01) C07D 215/42 (2006.01)**
[25] EN
[54] **MOLECULES THAT BIND TO TDP-43 FOR THE TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS AND RELATED DISORDERS**
[54] **MOLECULES QUI SE LIENT A TDP-43 POUR LE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE ET DE TROUBLES APPARENTES**
[72] CARLSEN, MARIANNE, US
[72] SMITH, GARRY R., US
[72] BINDER, RANDALL J., US
[72] REMEUR, CAMILLE, US
[72] REITZ, ALLEN B., US
[72] JIN, XIAO, US
[71] BIOHAVEN THERAPEUTICS LTD., US
[85] 2022-01-25
[86] 2020-08-21 (PCT/US2020/047287)
[87] (WO2021/035101)
[30] US (62/890,493) 2019-08-22

[21] **3,148,795**
[13] A1
[51] **Int.Cl. F24C 14/00 (2006.01) G05B 19/048 (2006.01)**
[25] EN
[54] **VALIDATION OF ADDITION OF CLEANING CHEMISTRY TO SELF-CLEAN OVEN**
[54] **VALIDATION D'AJOUT DE PRODUIT CHIMIQUE DE NETTOYAGE A UN FOUR AUTO-NETTOYANT**
[72] KRAUS, PAUL R., US
[72] BOCCI, FRANK ANTHONY, US
[72] PLANTE, JOSEPH C., US
[72] HAMMEL, DEVON BEAU, US
[71] ECOLAB USA INC., US
[85] 2022-01-25
[86] 2020-09-22 (PCT/US2020/051995)
[87] (WO2021/061641)
[30] US (62/906,997) 2019-09-27

[21] **3,148,796**
[13] A1
[51] **Int.Cl. C09K 3/00 (2006.01) C09K 3/30 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **AZEOTROPE AND AZEOTROPE-LIKE COMPOSITIONS COMPRISING NEOPENTANE AND ISOMERS OF HFO-1336MZZ**
[54] **COMPOSITIONS AZEOTROPES ET DE TYPE AZEOTROPE COMPRENANT DU NEOPENTANE ET DES ISOMERES DE HFO-1336 MZZ**
[72] MUSYIMI, HARRISON K., US
[72] ROBIN, MARK L., US
[72] JUHASZ, JASON R., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2022-01-25
[86] 2020-10-08 (PCT/US2020/054689)
[87] (WO2021/072015)
[30] US (62/913,319) 2019-10-10

[21] **3,148,797**
[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **ENDOSCOPIC ULTRASOUND GUIDED ACCESS NEEDLE**
[54] **AIGUILLE D'ACCES ENDOSCOPIQUE GUIDEE PAR ULTRASONS**
[72] FAVREAU, JOHN THOMAS, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-01-25
[86] 2020-11-24 (PCT/US2020/061995)
[87] (WO2021/113121)
[30] US (62/944,725) 2019-12-06

[21] **3,148,798**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G16H 40/20 (2018.01) G16H 40/67 (2018.01) H04N 7/15 (2006.01)**
[25] EN
[54] **VIRTUAL VISIT OBJECTS**
[54] **OBJETS DE VISITE VIRTUELLE**
[72] CHEN, JAMES F., US
[72] FISCHER, LINDA, US
[71] DRFIRST.COM, INC., US
[85] 2022-01-25
[86] 2021-06-28 (PCT/US2021/070782)
[87] (WO2022/006583)
[30] US (62/705,483) 2020-06-29
[30] US (17/247,472) 2020-12-11

[21] **3,148,799**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **ANTI-CD3 APTAMERS FOR USE IN CELL TARGETING AND LABELING**
[54] **APTAMERES ANTI-CD3 DESTINES A ETRE UTILISES DANS LE CIBLAGE ET LE MARQUAGE DE CELLULES**
[72] MIODEK, ANNA, FR
[72] MOURLANE, FREDERIC, FR
[72] BAUCHE, CECILE, FR
[72] VAILLANT, RENAUD, FR
[71] IXAKA FRANCE, FR
[85] 2022-01-26
[86] 2020-07-27 (PCT/IB2020/000635)
[87] (WO2021/019301)
[30] US (62/879,413) 2019-07-26
[30] US (62/879,401) 2019-07-26
[30] IB (IB2019/000890) 2019-07-26

[21] **3,148,800**
[13] A1
[51] **Int.Cl. C08L 23/22 (2006.01) A61F 13/02 (2006.01) A61L 15/22 (2006.01) A61L 15/42 (2006.01) C08L 53/00 (2006.01) C08L 91/00 (2006.01)**
[25] FR
[54] **ELASTOMER COMPOSITION**
[54] **COMPOSITION ELASTOMERIQUE**
[72] DERAIL, CHRISTOPHE, FR
[72] RONCIN, ARMELLE, FR
[72] CALLIES, XAVIER, FR
[72] GUILLAMAUD, CHRISTELLE MARIE ALINE, FR
[72] DANEROL, ANNE-SOPHIE, FR
[72] DAUX, MARIE, FR
[71] URGO RECHERCHE INNOVATION ET DEVELOPPEMENT, FR
[71] UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, FR
[85] 2022-01-26
[86] 2020-07-30 (PCT/FR2020/051403)
[87] (WO2021/023929)
[30] FR (FR1908878) 2019-08-02

[21] **3,148,801**
[13] A1
[51] **Int.Cl. A01C 21/00 (2006.01) A01N 25/02 (2006.01) A01N 25/12 (2006.01) A01N 63/00 (2020.01) C02F 1/28 (2006.01)**
[25] EN
[54] **MINERAL SUPPLEMENT INCLUDING MICROBES TO PROMOTE GROWTH IN AGRICULTURE**
[54] **COMPLEMENT MINERAL COMPRENANT DES MICROBES DESTINES A FAVORISER LA CROISSANCE EN AGRICULTURE**
[72] SHASTRI, PARSHURAM NIRAJAN, US
[71] SHASTRI, PARSHURAM NIRAJAN, US
[85] 2022-01-24
[86] 2020-07-24 (PCT/US2020/043613)
[87] (WO2021/016597)
[30] US (62/878,041) 2019-07-24

[21] **3,148,802**
[13] A1
[51] **Int.Cl. C08L 67/00 (2006.01) C03C 27/10 (2006.01) C04B 41/83 (2006.01) C08J 5/12 (2006.01) C08K 7/02 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **BINDER FOR INSULATION AND NON-WOVEN MATS**
[54] **LIANT POUR TAPIS ISOLANTS ET NON TISSES**
[72] TSEITLIN, ALEXANDER, CA
[71] LRBG CHEMICALS INC., CA
[85] 2022-01-26
[86] 2020-07-29 (PCT/IB2020/057178)
[87] (WO2021/019478)
[30] US (62/880,053) 2019-07-29

[21] **3,148,803**
[13] A1
[51] **Int.Cl. B32B 15/14 (2006.01) A41D 31/02 (2019.01) B32B 5/02 (2006.01) B32B 27/06 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **METALLIZED BREATHABLE COMPOSITE TEXTILE AND METHOD OF FABRICATING SAME**
[54] **TEXTILE COMPOSITE RESPIRANT METALLISE ET SON PROCEDE DE FABRICATION**
[72] LAU, CINDY YEE CIN, US
[72] ZHU, PEI, US
[71] LIFELABS DESIGN, INC., US
[85] 2022-01-26
[86] 2020-07-28 (PCT/US2020/043890)
[87] (WO2021/021818)
[30] US (62/879,872) 2019-07-29

[21] **3,148,804**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61P 35/00 (2006.01) C07D 311/66 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07K 5/06 (2006.01) C07K 5/062 (2006.01)**
[25] FR
[54] **SELECTIVE BCRP/ABCG2 TRANSPORTER INHIBITORS AS AGENTS TO ABOLISH RESISTANCE TO ANTI-CANCER AGENTS**
[54] **INHIBITEURS SELECTIFS DU TRANSPORTEUR BCRP/ABCG2 UTILISES COMME AGENTS POUR ABOLIR LA RESISTANCE AUX ANTICANCEREUX**
[72] BOUMENDJEL, AHCENE, FR
[72] FALSON, PIERRE, FR
[72] MORENO, ALEXIS, FR
[72] PERES, BASILE, FR
[72] ROUSSEL, EMILE, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERTISE CLAUDE BERNARD, FR
[85] 2022-01-21
[86] 2020-06-01 (PCT/IB2020/055168)
[87] (WO2021/014229)
[30] FR (1908485) 2019-07-25

[21] **3,148,805**
[13] A1
[51] **Int.Cl. G01N 27/333 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL SENSOR**
[54] **CAPTEUR ELECTROCHIMIQUE**
[72] CHEN, XIN, US
[72] HU, JINBO, US
[72] BUHLMANN, PHILIPPE, US
[71] ROSEMOUNT INC., US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2022-01-26
[86] 2020-07-01 (PCT/US2020/040486)
[87] (WO2021/021379)
[30] US (62/879,886) 2019-07-29
[30] US (16/684,285) 2019-11-14

[21] **3,148,806**
[13] A1
[51] **Int.Cl. G06Q 20/04 (2012.01) G06Q 20/08 (2012.01) G06Q 20/22 (2012.01) G06Q 20/30 (2012.01) G06Q 20/36 (2012.01) G06Q 20/40 (2012.01) G06F 21/60 (2013.01) G06F 21/62 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR END TO END ENCRYPTION UTILIZING A COMMERCE PLATFORM FOR CARD NOT PRESENT TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES DE CRYPTAGE DE BOUT EN BOUT UTILISANT UNE PLATE-FORME DE COMMERCE POUR DES TRANSACTIONS SANS CARTE**
[72] WALL, JONATHAN, US
[72] FAVERO, ROSS, US
[72] RAJ, GAUTAM SESHAN, US
[72] GLASS, ERIC, US
[71] STRIPE, INC., US
[85] 2022-01-26
[86] 2020-06-30 (PCT/US2020/040384)
[87] (WO2021/021376)
[30] US (16/523,456) 2019-07-26

[21] **3,148,807**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTIBODY SPECIFIC FOR GPC3 AND METHODS OF USE THEREOF**
[54] **ANTICORPS SPECIFIQUE GPC3 ET LEURS PROCEDES D'UTILISATION**
[72] RABUKA, DAVID, US
[72] DRAKE, PENELOPE M., US
[72] KIM, YUN CHEOL, US
[72] BARFIELD, ROBYN M., US
[72] BAUZON, MAXINE, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2022-01-26
[86] 2020-07-31 (PCT/US2020/044515)
[87] (WO2021/022166)
[30] US (62/881,547) 2019-08-01

[21] **3,148,808**
[13] A1
[51] **Int.Cl. A61B 46/10 (2016.01) A61B 1/247 (2006.01) A61C 19/02 (2006.01) A61B 90/94 (2016.01)**
[25] EN
[54] **FULL-SCANNER BARRIER FOR AN INTRA-ORAL DEVICE**
[54] **BARRIERE TOTALE DE DISPOSITIF DE BALAYAGE POUR UN DISPOSITIF INTRA-ORAL**
[72] SHALEV, ARIEL, US
[72] GREEN, ERAN, US
[72] GINZBURG, ZAKHAR, US
[72] DURBAN, MATTHEW, US
[72] GORFINKEL, ROEE, US
[72] SAPHIER, OFER, US
[72] VERKER, TAL, US
[72] MAKMEL, NIR, US
[72] ISHAY, ERAN, US
[72] LEVY, RAPHAEL, US
[71] ALIGN TECHNOLOGY, INC., US
[85] 2022-01-26
[86] 2020-07-29 (PCT/US2020/043954)
[87] (WO2021/021854)
[30] US (62/880,040) 2019-07-29
[30] US (62/955,310) 2019-12-30
[30] US (62/955,662) 2019-12-31
[30] US (63/004,413) 2020-04-02

[21] **3,148,809**
[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ARCHITECTURES, SYSTEMS, AND METHODS FOR CARD BASED TRANSACTIONS**
[54] **ARCHITECTURES, SYSTEMES ET PROCEDES POUR DES TRANSACTIONS BASEES SUR DES CARTES**
[72] WALL, JONATHAN, US
[71] STRIPE, INC., US
[85] 2022-01-26
[86] 2020-06-30 (PCT/US2020/040380)
[87] (WO2021/021375)
[30] US (16/523,528) 2019-07-26

[21] **3,148,810**
[13] A1
[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **PISTON AND GATE ASSEMBLY FOR KINETIC PRESSURE CONTROL APPARATUS RAM**
[54] **ENSEMBLE PISTON ET PORTE POUR VERIN D'APPAREIL DE COMMANDE DE PRESSION CINETIQUE**
[72] GALLAGHER, BILLY JACK, US
[72] GALLAGHER, BOBBY JAMES, US
[72] FRITH, ROBERT, AU
[72] ANGSTMANN, STEVEN ANTHONY, US
[71] KINETIC PRESSURE CONTROL, LTD., US
[85] 2022-01-26
[86] 2020-08-14 (PCT/US2020/046332)
[87] (WO2021/030673)
[30] US (62/887,119) 2019-08-15

[21] **3,148,811**
[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) F21S 11/00 (2006.01) F21S 13/08 (2006.01) F21V 33/00 (2006.01) G02B 6/00 (2006.01)**
[25] EN
[54] **TRELLIS PANELS FOR SUNLIGHT DELIVERY, SHOOT POSITIONING, AND CANOPY DIVISION**
[54] **PANNEAUX EN TREILLIS POUR LA DISTRIBUTION DE LUMIERE DU SOLEIL, LE POSITIONNEMENT DE POUSSES ET LA DIVISION D'AUVENT**
[72] BOOTH, NICHOLAS, US
[72] RAVID, YOSEPHA SHAHAK, US
[72] PEACOCK, WILLIAM L., US
[72] RAVID, NADAV, US
[72] FARKAS, DANIEL L., US
[72] DESTLER, JONATHAN, US
[71] OPTI-HARVEST, INC., US
[85] 2022-01-26
[86] 2020-07-29 (PCT/US2020/044046)
[87] (WO2021/021916)
[30] US (62/880,542) 2019-07-30

[21] **3,148,812**
[13] A1
[51] **Int.Cl. A61K 31/197 (2006.01) A61K 47/32 (2006.01) A61P 21/02 (2006.01)**
[25] EN
[54] **STABILIZED FORMULATIONS OF 4-AMINO-3-SUBSTITUTED BUTANOIC ACID DERIVATIVES**
[54] **FORMULATIONS STABILISEES DE DERIVES DE L'ACIDE BUTANOIQUE DU TYPE 4-AMINO-3-SUBSTITUES**
[72] PENAKE, DAVID, US
[72] HAMM, SHARON, US
[72] O'MAHONY, LEONARD, IE
[72] DEVANE, JOHN, IE
[72] MOHR, WOLFGANG, DE
[72] WEINHEIMER, MANUEL, DE
[71] SAOL INTERNATIONAL RESEARCH LTD., BM
[85] 2022-01-26
[86] 2020-05-28 (PCT/US2020/034840)
[87] (WO2021/021277)
[30] US (16/524,664) 2019-07-29

[21] **3,148,813**
[13] A1
[51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/04186 (2016.01) H01M 8/0444 (2016.01) H01M 8/04537 (2016.01) H01M 8/2455 (2016.01)**
[25] EN
[54] **REDOX FLOW BATTERY ARRAYS AND METHODS FOR STATE OF CHARGE BALANCING**
[54] **RESEAUX DE BATTERIES A FLUX REDOX ET PROCEDES D'EQUILIBRAGE D'ETAT DE CHARGE**
[72] KLASSEN, ANDREW, CA
[72] GENDERS, DAVID, US
[72] HARPER, MATTHEW, CA
[71] INVINITY ENERGY SYSTEMS (CANADA) CORPORATION, CA
[85] 2022-01-26
[86] 2020-07-29 (PCT/US2020/044075)
[87] (WO2021/025925)
[30] US (62/882,071) 2019-08-02

[21] **3,148,814**
[13] A1
[51] **Int.Cl. B01J 4/00 (2006.01) B01J 8/00 (2006.01) B01J 19/30 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LOADING CATALYST**
[54] **PROCEDE ET APPAREIL DE CHARGEMENT DE CATALYSEUR**
[72] BRENNOM, STEPHEN, GB
[71] CAT TECH INTERNATIONAL LTD., GB
[85] 2022-01-26
[86] 2020-07-31 (PCT/IB2020/057238)
[87] (WO2021/019502)
[30] US (62/881,179) 2019-07-31

[21] **3,148,815**
[13] A1
[51] **Int.Cl. E02F 3/34 (2006.01) E02F 9/08 (2006.01) E02F 9/20 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **COMPACT UTILITY LOADER**
[54] **CHARGEUR UTILITAIRE COMPACT**
[72] CARLSON, JASON, US
[72] TAKEMURA, TOSHIHIKO, US
[72] RELPH, JOHN, US
[72] SHOBE, MATTHEW, US
[72] WELSH, JEFF, US
[71] GREAT PLAINS MANUFACTURING, INC., US
[85] 2022-01-26
[86] 2020-07-29 (PCT/US2020/044088)
[87] (WO2021/021943)
[30] US (62/879,796) 2019-07-29
[30] US (62/984,476) 2020-03-03

[21] **3,148,816**
[13] A1
[51] **Int.Cl. G02F 1/29 (2006.01) G03H 1/00 (2006.01) H04N 5/33 (2006.01)**
[25] EN
[54] **LIGHT FIELD DISPLAY SYSTEM FOR SPORTING EVENTS**
[54] **SYSTEME D'AFFICHAGE DE CHAMP LUMINEUX POUR EVENEMENTS SPORTIFS**
[72] KARAFIN, JONATHAN SEAN, US
[72] BEVENSEE, BRENDAN ELWOOD, US
[71] LIGHT FIELD LAB, INC., US
[85] 2022-01-26
[86] 2019-08-26 (PCT/US2019/048143)
[87] (WO2021/040688)

[21] **3,148,817**
[13] A1
[51] **Int.Cl. B23K 35/28 (2006.01) B23K 35/02 (2006.01) B32B 15/01 (2006.01) B32B 15/20 (2006.01) C22C 21/00 (2006.01)**
[25] EN
[54] **IMPROVED ALUMINUM ALLOY BRAZING SHEETS FOR FLUXLESS BRAZING**
[54] **TOLE A BRASAGE AMELIOREE EN ALLIAGE D'ALUMINIUM POUR BRASAGE SANS FLUX**
[72] KULOVITS, ANDREAS, US
[72] ZHOU, TAO, US
[72] REN, BAOLUTE, US
[72] ZONKER, HARRY R., US
[71] ARCONIC TECHNOLOGIES LLC, US
[85] 2022-01-26
[86] 2020-09-28 (PCT/US2020/053022)
[87] (WO2021/067166)
[30] US (62/908,000) 2019-09-30

[21] **3,148,818**
[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61M 1/16 (2006.01) A61M 1/20 (2006.01) A61M 1/34 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **ACCESSING ASSEMBLY FOR HEMODIALYSIS ADMINISTRATION**
[54] **ENSEMBLE D'ACCES POUR UNE ADMINISTRATION PAR HEMODIALYSE**
[72] RAMIREZ, JOSE, US
[71] RAMIREZ, JOSE, US
[85] 2022-01-26
[86] 2019-07-31 (PCT/US2019/044348)
[87] (WO2021/021159)

[21] **3,148,819**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TREATMENT OF CYSTIC FIBROSIS BY DELIVERY OF NEBULIZED MRNA ENCODING CFTR**
[54] **TRAITEMENT DE LA FIBROSE KYSTIQUE PAR ADMINISTRATION D'ARNM NEBULISE CODANT POUR LA CFTR**
[72] BARBIER, ANN, US
[72] HEARTLEIN, MICHAEL, US
[72] DEROSA, FRANK, US
[72] ABYSALH, JONATHAN, US
[72] DIAS, ANUSHA, US
[72] KARVE, SHRIRANG, US
[72] PATEL, ZARNA, US
[71] TRANSLATE BIO, INC., US
[85] 2022-01-26
[86] 2020-07-30 (PCT/US2020/044158)
[87] (WO2021/021988)
[30] US (62/880,418) 2019-07-30

[21] **3,148,822**
[13] A1
[51] **Int.Cl. A61K 31/415 (2006.01) A61K 31/166 (2006.01) A61K 31/433 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **CALPAIN INHIBITORS AND USES THEREOF FOR TREATING NEUROLOGICAL DISORDERS**
[54] **INHIBITEURS DE CALPAINE ET LEURS UTILISATIONS POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] IBRAHIM, PRABHA, US
[72] FUENTES, MARIA, US
[72] RAJAGOPALAN, P. T. RAVI, US
[72] YU, WALTER, US
[71] BLADE THERAPEUTICS, INC., US
[85] 2022-01-26
[86] 2020-07-28 (PCT/US2020/043888)
[87] (WO2021/021816)
[30] US (62/881,274) 2019-07-31

[21] **3,148,823**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 10/06 (2012.01) G06F 16/901 (2019.01) G06F 16/93 (2019.01) G06F 40/20 (2020.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR GENERATING REAL-TIME ANALYTICS**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR GENERER UNE ANALYSE EN TEMPS REEL**
[72] KIM, PHILIP, US
[72] MALINAK, STEPHEN MATTHEW, US
[72] RAO, GANESH, US
[72] REISMAN, ELI, US
[72] RUAN, YANG, US
[72] TULLOCH, FAITHLYN, US
[72] WONG, EUGENE, US
[71] TRUVALUE LABS, INC., US
[85] 2022-01-26
[86] 2020-07-27 (PCT/US2020/043774)
[87] (WO2021/016623)
[30] US (62/878,739) 2019-07-25

[21] **3,148,824**
[13] A1
[51] **Int.Cl. A61K 39/09 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE COMPOSITIONS AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS DE CONJUGUES DE POLYSACCHARIDE-PROTEINE PNEUMOCOCCIQUE MULTIVALENTS LEURS METHODES D'UTILISATION**
[72] SHIN, JINHWAN, KR
[72] KIM, SUNGHYUN, KR
[72] KIM, HUN, KR
[72] AN, KYUNGJUN, KR
[72] LEE, JEONG-MIN, KR
[72] KYAW, MOE, US
[72] TALAGA, PHILIPPE, FR
[71] SANOFI PASTEUR INC., US
[71] SK BIOSCIENCE CO., LTD., KR
[85] 2022-01-26
[86] 2020-07-27 (PCT/US2020/043729)
[87] (WO2021/021729)
[30] KR (10-2019-0093276) 2019-07-31
[30] US (62/949,164) 2019-12-17

[21] **3,148,825**
[13] A1
[51] **Int.Cl. C23F 11/08 (2006.01) C23F 11/14 (2006.01) C23F 11/167 (2006.01) C23F 11/18 (2006.01)**
[25] EN
[54] **CORROSION INHIBITOR FOR SYSTEMS WITH MIXED METALLURGY**
[54] **INHIBITEUR DE CORROSION POUR SYSTEMES A METALLURGIE MIXTE**
[72] CHEN, BINGZHI, US
[72] YIN, ZHANGZHANG, US
[71] ECOLAB USA INC., US
[85] 2022-01-26
[86] 2020-07-27 (PCT/US2020/043724)
[87] (WO2021/025888)
[30] US (62/883,749) 2019-08-07

[21] **3,148,826**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/00 (2006.01) C07K 16/28 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **FCRN ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-FCRN ET LEURS PROCEDES D'UTILISATION**
[72] ARROYO, SANTIAGO, US
[72] DENNEY, WILLIAM, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-01-26
[86] 2020-08-03 (PCT/US2020/044731)
[87] (WO2021/022249)
[30] US (62/881,897) 2019-08-01

[21] **3,148,827**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 47/64 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USING C/EBP ALPHA SARNA**
[54] **COMPOSITIONS ET METHODES D'UTILISATION DE PETITS ARN ACTIVATEURS ALPHA C/EBP**
[72] GABRILOVICH, DMITRY, US
[72] HABIB, ROBERT, GB
[72] REEBYE, VIKASH, GB
[71] MINA THERAPEUTICS LIMITED, GB
[71] THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY, US
[85] 2022-01-26
[86] 2020-07-27 (PCT/US2020/043705)
[87] (WO2021/021713)
[30] US (62/879,028) 2019-07-26
[30] US (63/050,091) 2020-07-09

[21] **3,148,829**
[13] A1
[51] **Int.Cl. H04M 3/436 (2006.01) H04M 1/56 (2006.01)**
[25] EN
[54] **CALLER VERIFICATION VIA CARRIER METADATA**
[54] **VERIFICATION D'APPELANT PAR L'INTERMEDIAIRE DE METADONNEES DE PORTEUSE**
[72] CORNWELL, JOHN, US
[72] NELMS, TERRY, US
[71] PINDROP SECURITY, INC., US
[85] 2022-01-26
[86] 2020-08-17 (PCT/US2020/046655)
[87] (WO2021/034758)
[30] US (62/888,978) 2019-08-19

[21] **3,148,830**
[13] A1
[51] **Int.Cl. A63F 13/21 (2014.01) A63F 13/219 (2014.01) A63F 13/235 (2014.01) A63F 13/26 (2014.01) A63F 13/323 (2014.01) A63F 13/428 (2014.01) A63F 13/53 (2014.01) A63F 13/837 (2014.01)**
[25] EN
[54] **INTERACTIVE COMPUTING DEVICE AND ACCESSORIES**
[54] **DISPOSITIF INFORMATIQUE INTERACTIF ET ACCESSOIRES**
[72] FUCHS, JOSHUA ALLAN, US
[72] KORT, JOEL ABRAHAM, US
[72] SELTZER, CHARLES MICHAEL, US
[72] BERNS, BOB STEVEN, US
[71] ARKADE, INC., US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043477)
[87] (WO2021/021622)
[30] US (16/523,891) 2019-07-26
[30] US (16/746,734) 2020-01-17
[30] US (16/778,891) 2020-01-31
[30] US (16/852,263) 2020-04-17

[21] **3,148,831**
[13] A1
[51] **Int.Cl. A61K 38/25 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **A DERMAL PATCH FOR TRANSDERMAL ADMINISTRATION OF GHRELIN PATHWAY BLOCKER**
[54] **TIMBRE DERMIQUE POUR ADMINISTRATION TRANSDERMIQUE DE BLOQUEUR DE LA VOIE DE LA GHRELINE**
[72] HAMRAH, PEDRAM, US
[72] MOLLAAGHABABA, REZA, US
[71] HAMRAH, PEDRAM, US
[71] MOLLAAGHABABA, REZA, US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043444)
[87] (WO2021/021613)
[30] US (62/878,824) 2019-07-26

[21] **3,148,833**
[13] A1
[51] **Int.Cl. B01J 3/00 (2006.01) C07C 5/48 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **STEAM GENERATION IN OXIDATIVE DEHYDROGENATION**
[54] **GENERATION DE VAPEUR DANS UNE DESHYDROGENATION OXYDATIVE**
[72] SIMANZHENKOV, VASILY, CA
[72] LADD, ROBERT, CA
[72] KOSELEK, MICHAEL, CA
[72] SERHAL, KAMAL, CA
[72] GOODARZNIA, SHAHIN, CA
[72] OLAYIWOLA, BOLAJI, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2022-01-26
[86] 2020-09-16 (PCT/IB2020/058631)
[87] (WO2021/059087)
[30] US (62/904,823) 2019-09-24

[21] **3,148,834**
[13] A1
[51] **Int.Cl. C12N 3/00 (2006.01)**
[25] EN
[54] **POST-SPORULATION MODIFICATION OF SPORES AND BIOLOGICAL INDICATOR**
[54] **MODIFICATION POST-SPORULATION DE SPORES ET INDICATEUR BIOLOGIQUE**
[72] NORRIS, STEPHEN, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043436)
[87] (WO2021/021610)
[30] US (62/879,269) 2019-07-26

[21] **3,148,836**
[13] A1
[51] **Int.Cl. B63C 11/52 (2006.01) B25J 9/08 (2006.01) E21B 41/04 (2006.01)**
[25] EN
[54] **REMOTE UNDERWATER ROBOTIC ACTUATOR**
[54] **ACTIONNEUR ROBOTIQUE SOUS-MARIN A DISTANCE**
[72] ANGSTMANN, STEVEN ANTHONY, US
[72] GALLAGHER, BOBBY JAMES, US
[71] KINETIC PRESSURE CONTROL, LTD., US
[85] 2022-01-26
[86] 2020-08-17 (PCT/US2020/046656)
[87] (WO2021/034759)
[30] US (62/888,910) 2019-08-19

[21] **3,148,837**
[13] A1
[51] **Int.Cl. F04B 1/20 (2020.01) F04B 1/26 (2006.01)**
[25] EN
[54] **PUMP SYSTEM WITH OVER-TEMPERATURE PREVENTION**
[54] **SYSTEME DE POMPE AVEC PREVENTION DE SURCHAUFFE**
[72] KRANE, STEVE A., US
[72] POLLEE, DEAN R., US
[72] ANDERSON, EVAN W., US
[72] RAPIN, DANIEL P., US
[71] PARKER-HANNIFIN CORPORATION, US
[85] 2022-01-26
[86] 2020-09-17 (PCT/US2020/051153)
[87] (WO2021/055527)
[30] US (62/903,073) 2019-09-20

[21] **3,148,839**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) C12N 3/00 (2006.01)**
[25] EN
[54] **LIQUID SPORULATION METHOD AND SPORULATION BROTH**
[54] **PROCEDE DE SPORULATION DE LIQUIDE ET BOUILLON DE SPORULATION**
[72] WHITE, NICHOLAS M., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043421)
[87] (WO2021/021608)
[30] US (62/879,259) 2019-07-26

[21] **3,148,840**
[13] A1
[51] **Int.Cl. A61K 39/29 (2006.01) A61K 39/00 (2006.01) A61P 1/16 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ENGINEERED HCV E2 IMMUNOGENS AND RELATED VACCINE COMPOSITIONS**
[54] **IMMUNOGENES E2 DE VHC MODIFIES ET COMPOSITIONS DE VACCIN ASSOCIEES**
[72] HE, LINLING, US
[72] ZHU, JIANG, US
[72] GIANG, ERICK, US
[72] LAW, MANSUN, US
[72] WILSON, IAN, US
[72] TZARUM, NETANEL, IL
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043412)
[87] (WO2021/021603)
[30] US (62/879,100) 2019-07-26

[21] **3,148,841**
[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **BICOMPARTMENTAL KNEE PROSTHESIS**
[54] **PROTHESE DE GENOU BIOCOMPARTIMENTALE**
[72] SADILE, FRANCESCO, IT
[71] SADILE, FRANCESCO, IT
[85] 2022-01-26
[86] 2020-04-22 (PCT/IB2020/053799)
[87] (WO2021/019313)
[30] IT (102019000013614) 2019-08-01

[21] **3,148,842**
[13] A1
[51] **Int.Cl. D21D 1/34 (2006.01) B02C 7/02 (2006.01)**
[25] EN
[54] **FLINGER APPARATUS FOR A COUNTER-ROTATING REFINER**
[54] **APPAREIL DEFLECTEUR POUR RAFFINEUR CONTRAROTATIF**
[72] GINGRAS, LUC, GB
[72] BERGER, MARC, CA
[71] ANDRITZ INC., US
[85] 2022-01-26
[86] 2020-09-22 (PCT/US2020/051979)
[87] (WO2021/061633)
[30] US (62/904,236) 2019-09-23

[21] **3,148,846**
[13] A1
[51] **Int.Cl. C12N 5/0784 (2010.01) A61K 35/15 (2015.01) A61P 17/14 (2006.01)**
[25] EN
[54] **ADOPTIVE TRANSFER OF PLASMACYTOID DENDRITIC CELLS TO PREVENT OR TREAT HAIR LOSS**
[54] **TRANSFERT ADOPTIF DE CELLULES PLASMACYTOIDES POUR PREVENIR OU TRAITER LA PERTE DE CHEVEUX**
[72] HAMRAH, PEDRAM, US
[72] JAMALI, ARSIA, US
[71] TUFTS MEDICAL CENTER, INC., US
[85] 2022-01-26
[86] 2020-07-24 (PCT/US2020/043384)
[87] (WO2021/021593)
[30] US (62/878,897) 2019-07-26

[21] **3,148,847**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **AUTOMATED NEURAL NETWORK GENERATION USING FITNESS ESTIMATION**
[54] **GENERATION DE RESEAU NEURONAL AUTOMATISEE A L'AIDE D'UNE ESTIMATION D'ADAPTATION**
[72] ANDONI, SARI, US
[72] YADAV, UDAIVIR, US
[72] MCDONNELL, TYLER S., US
[71] SPARKCOGNITION, INC., US
[85] 2022-01-26
[86] 2020-07-23 (PCT/US2020/043215)
[87] (WO2021/021546)
[30] US (16/526,360) 2019-07-30

[21] **3,148,848**
[13] A1
[51] **Int.Cl. A01K 27/00 (2006.01) A01K 1/04 (2006.01) A01K 15/00 (2006.01) B65D 63/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE FLEXIBLE COLLAR**
[54] **COLLIER FLEXIBLE REGLABLE**
[72] DAVIS, STEPHEN RICHARD, US
[71] CENTRAL GARDEN & PET COMPANY, US
[85] 2022-01-26
[86] 2020-07-23 (PCT/US2020/043210)
[87] (WO2021/025869)
[30] US (16/530,156) 2019-08-02

[21] **3,148,849**
[13] A1
[51] **Int.Cl. B33Y 50/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/386 (2017.01) B29C 64/393 (2017.01)**
[25] EN
[54] **QUALITY ASSURANCE IN FORMATION OF THREE-DIMENSIONAL OBJECTS**
[54] **ASSURANCE QUALITE DANS LA FORMATION D'OBJETS TRIDIMENSIONNELS**
[72] BULLER, BENYAMIN, US
[72] BROWN, GREGORY FERGUSON, US
[72] RANDHAWA, JATINDER, US
[72] TAPIA IMBAQUINGO, GUSTAVO A., US
[72] WILLARD, JOSIAH FRANKLIN, US
[72] HE, AQI, US
[72] VARLAKHANOV, ALEXANDER, US
[72] YEGIAZARYAN, ARAM, US
[72] TALALAI, ALEXANDER, US
[72] MURPHREE, ZACHARY RYAN, US
[72] COULIER, PIETER, US
[72] MILSHTEIN, EREL, US
[72] KOREPANOV, SERGEY, US
[71] VELO3D, INC., US
[85] 2022-01-26
[86] 2020-07-17 (PCT/US2020/042596)
[87] (WO2021/021469)
[30] US (62/879,048) 2019-07-26

[21] **3,148,850**
[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **FOCAL TREATMENT OF PROSTATE CANCER**
[54] **TRAITEMENT FOCAL DU CANCER DE LA PROSTATE**
[72] AVERBACK, PAUL, MC
[71] NYMOX CORPORATION, US
[85] 2022-01-25
[86] 2020-07-30 (PCT/US2020/044192)
[87] (WO2021/022005)
[30] US (16/528,326) 2019-07-31

[21] **3,148,851**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 28/04 (2009.01) H04W 92/18 (2009.01) H04W 4/40 (2018.01)**
[25] EN
[54] **TERMINAL AND COMMUNICATION METHOD**
[54] **TERMINAL ET PROCEDE DE COMMUNICATION**
[72] YOSHIOKA, SHOHEI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, YANRU, CN
[72] WANG, JING, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2022-01-25
[86] 2019-08-15 (PCT/JP2019/032084)
[87] (WO2021/029083)

[21] **3,148,856**
[13] A1
[51] **Int.Cl. B29C 35/02 (2006.01) B29C 39/02 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **GASKET MANUFACTURING METHOD**
[54] **PROCEDE DE PRODUCTION D'UN JOINT D'ETANCHEITE**
[72] MIZUSAWA, HOMARE, JP
[72] MIURA, MASAHIRO, JP
[72] GOTO, NORIYUKI, JP
[72] NAKAHATA, YUSHI, JP
[71] NOK CORPORATION, JP
[85] 2022-01-26
[86] 2020-07-06 (PCT/JP2020/026357)
[87] (WO2021/044722)
[30] JP (2019-161057) 2019-09-04

[21] **3,148,858**
[13] A1
[51] **Int.Cl. A61K 31/443 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR CANCER HAVING RESISTANCE TO ANTI-CCR4 ANTIBODY**
[54] **AGENT THERAPEUTIQUE CONTRE LE CANCER RESISTANT A L'ANTICORPS ANTI-CCR4**
[72] FUJITANI, SUMIAKI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2022-01-26
[86] 2020-08-07 (PCT/JP2020/030363)
[87] (WO2021/025148)
[30] JP (2019-146701) 2019-08-08

[21] **3,148,860**
[13] A1
[51] **Int.Cl. A61F 11/08 (2006.01) H04R 25/00 (2006.01)**
[25] EN
[54] **PARTIAL HRTF COMPENSATION OR PREDICTION FOR IN-EAR MICROPHONE ARRAYS**
[54] **COMPENSATION OU PREDICTION DE FONCTION HRTF PARTIELLE POUR RESEAUX DE MICROPHONES INTRA-AURICULAIRES**
[72] SLANEY, MALCOLM, US
[72] GARCIA, RICARDO, US
[72] WOODS, WILLIAM, US
[72] RUGOLO, JASON, US
[71] IYO INC., US
[85] 2022-01-25
[86] 2020-07-02 (PCT/US2020/040674)
[87] (WO2021/015938)
[30] US (16/522,394) 2019-07-25

[21] **3,148,861**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ADAPTABLE DEVICES AND SYSTEMS FOR DOCKING IN CIRCULATORY SYSTEM AND METHODS THEREOF**
[54] **DISPOSITIFS ADAPTABLES ET SYSTEMES D'AMARRAGE DANS UN SYSTEME CIRCULATOIRE ET PROCEDES ASSOCIES**
[72] GUROVICH, NIKOLAY, IL
[72] BUKIN, MICHAEL, IL
[72] MANASH, BOAZ, IL
[72] ABBOTT, EASON MICHAEL, US
[72] DESROSIERS, JOHN J., US
[72] HEYNINCK-JANTZ, CHRISTINE MARIE, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2021-12-08
[86] 2020-09-10 (PCT/US2020/050059)
[87] (WO2021/050637)
[30] US (62/900,059) 2019-09-13

[21] **3,148,862**
[13] A1
[51] **Int.Cl. H01M 8/0267 (2016.01) H01M 8/023 (2016.01) H01M 8/2483 (2016.01) H01M 8/10 (2016.01) H01M 8/04746 (2016.01)**
[25] EN
[54] **FUEL CELL STACK AND OPERATION METHOD FOR FUEL CELL STACK**
[54] **EMPILEMENT DE PILES A COMBUSTIBLE ET SON PROCEDE DE FONCTIONNEMENT**
[72] KATO, YUMA, JP
[72] MAEKAWA, AKIRA, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[85] 2022-01-26
[86] 2020-09-04 (PCT/JP2020/033618)
[87] (WO2021/045197)
[30] JP (2019-162198) 2019-09-05

[21] **3,148,866**
[13] A1
[51] **Int.Cl. C07H 19/10 (2006.01) A61K 31/7042 (2006.01) A61P 35/00 (2006.01) C07H 19/06 (2006.01) C07H 19/073 (2006.01)**
[25] EN
[54] **DINUCLEOTIDE COMPOUNDS FOR TREATING CANCERS AND MEDICAL USES THEREOF**
[54] **COMPOSES DINUCLEOTIDIQUES POUR LE TRAITEMENT DE CANCERS ET LEURS UTILISATIONS MEDICALES**
[72] JUNG, DOO-YOUNG, KR
[72] LEE, JIN-SOO, KR
[72] CHO, HYUN-YONG, KR
[71] PINOTBIO, INC., KR
[85] 2022-01-26
[86] 2020-07-29 (PCT/KR2020/010006)
[87] (WO2021/020879)
[30] KR (10-2019-0092688) 2019-07-30

[21] **3,148,868**
[13] A1
[51] **Int.Cl. A23G 3/56 (2006.01) B65D 8/00 (2006.01) B65D 65/46 (2006.01)**
[25] EN
[54] **GUMMY CONFECTIONERY-COATED NON-EDIBLE CONTAINER**
[54] **CONTENANT NON COMESTIBLE ENROBE DE CONFISERIE GOMMEUSE**
[72] LEE, CHUNG HYUN, KR
[72] SMITH, DAVID JOHNSTON, NZ
[72] SANTILLAN, DIWATA KATRINA DINGLASA, NZ
[72] HARROLD, ETHAN LUKE, NZ
[72] HUTCHINSON, ETHAN, NZ
[71] ZURU (SINGAPORE) PTE. LTD., SG
[85] 2022-01-26
[86] 2020-08-07 (PCT/SG2020/050461)
[87] (WO2021/029826)
[30] NZ (756215) 2019-08-09

[21] **3,148,869**
[13] A1
[51] **Int.Cl. C09D 133/02 (2006.01)**
[25] EN
[54] **SUPERABSORBENT-BASED SUSPENSION SUITABLE FOR HYDROSTIMULATORY COATING OF SEEDS AND A METHOD OF COATING SEEDS WITH THE SUSPENSION**
[54] **SUSPENSION A BASE DE SUPERABSORBANT APPROPRIEE POUR L'ENDUCTION HYDROSTIMULATRICE DE SEMENCES ET PROCEDE D'ENDUCTION DE SEMENCES AU MOYEN DE LADITE SUSPENSION**
[72] GELINGER, VIKTOR, SK
[72] VALENTIN, MARIAN, SK
[72] HORVATH, JAN, SK
[72] PETRA, LUKAS, SK
[71] P E W A S S.R.O., SK
[85] 2022-01-26
[86] 2019-08-01 (PCT/SK2019/050008)
[87] (WO2021/021030)

[21] **3,148,870**
[13] A1
[51] **Int.Cl. A61K 38/43 (2006.01) A61P 25/00 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **UBE3A FOR THE TREATMENT OF ANGELMAN SYNDROME**
[54] **UBE3A POUR LE TRAITEMENT DU SYNDROME D'ANGELMAN**
[72] ANDERSON, JOSEPH, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-01-26
[86] 2020-08-21 (PCT/US2020/047505)
[87] (WO2021/035181)
[30] US (62/890,364) 2019-08-22
[30] US (62/945,062) 2019-12-06

[21] **3,148,872**
[13] A1
[51] **Int.Cl. B63B 59/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HULL CLEANING**
[54] **SYSTEME ET PROCEDE DE NETTOYAGE DE COQUE**
[72] KLAPTOCZ, VOYTEK ROMAN, CA
[72] RAWLINGS, GEORGE WILLIAM, CA
[71] OFFSHORE DESIGNS LTD., CA
[85] 2022-01-27
[86] 2020-08-04 (PCT/CA2020/051064)
[87] (WO2021/022368)
[30] US (62/883,462) 2019-08-06

[21] **3,148,873**
[13] A1
[51] **Int.Cl. G01G 19/12 (2006.01) G06Q 50/02 (2012.01) A01D 90/12 (2006.01) G01G 23/18 (2006.01)**
[25] EN
[54] **PARALLEL MODE GRAIN CART SCALE APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'ECHELLE DE CHARIOT A GRAINS A MODE PARALLELE**
[72] LIND, JEFFREY, CA
[72] OSBORNE JR., RONALD W., CA
[71] FARMERS EDGE INC., CA
[85] 2022-01-27
[86] 2020-10-29 (PCT/CA2020/051459)
[87] (WO2021/081651)
[30] US (62/928,020) 2019-10-30

[21] **3,148,876**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) G16B 20/00 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MOLECULAR CLASSIFIERS FOR PROSTATE CANCER**
[54] **CLASSIFICATEURS MOLECULAIRES POUR LE CANCER DE LA PROSTATE**
[72] BARTLETT, JOHN, CA
[72] BERMAN, DAVID, CA
[72] BOUTROS, PAUL, US
[72] LAPOINTE, JACQUES, CA
[72] THOMSON, AXEL, GB
[72] VENKATESWARAN, VASUNDARA, CA
[72] BUTTYAN, RALPH, CA
[72] CHEVALIER, SIMONE, CA
[72] BOUFAIED, NADIA, CA
[72] OKELLO, JOHN, CA
[72] PATEL, PALAX, CA
[72] KAWASHIMA, ATSUNARI, JP
[72] YING-WAH LEE, ANNA, CA
[72] LESURF, ROBERT, CA
[72] BAYANI, JANE, CA
[72] NGUYEN, LINH, CA
[72] PARK, PAUL, CA
[72] EBRAHIMIZADEH, WALEAD, CA
[71] ONTARIO INSTITUTE FOR CANCER RESEARCH (OICR), CA
[85] 2022-01-27
[86] 2021-06-18 (PCT/CA2021/050837)
[87] (WO2021/253134)
[30] US (63/040,692) 2020-06-18

[21] **3,148,878**
[13] A1
[51] **Int.Cl. A23G 3/48 (2006.01) A23G 3/36 (2006.01)**
[25] EN
[54] **HERBAL CONFECTIONERY CANDY FOR EYESIGHT IMPROVING**
[54] **BONBON A BASE DE PLANTES NOURRISSANT POUR L'□IL ET AMELIORANT LA VUE CONTENANT DES NUTRIMENTS POUR CRISTALLINS HUMAINS ET CELLULES PHOTOSENSIBLES RETINIENNES**
[72] GAO, SI, CN
[71] SHENZHEN LINPINGXIJING VISION TECHNOLOGY CO., LTD, CN
[85] 2022-01-27
[86] 2019-05-06 (PCT/CN2019/000089)
[87] (WO2020/223832)

[21] **3,148,880**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) A62C 3/00 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **METHOD, AND ASSOCIATED SYSTEM, OF PROVIDING AN OPERATOR ACCESS TO A TARGET STORAGE POSITION IN AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM**
[54] **PROCEDE, ET SYSTEME ASSOCIE, DE FOURNITURE D'UN ACCES D'OPERATEUR A UNE POSITION DE STOCKAGE CIBLE DANS UN SYSTEME AUTOMATISE DE STOCKAGE ET DE RECUPERATION**
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2022-01-27
[86] 2020-08-21 (PCT/EP2020/073453)
[87] (WO2021/043597)
[30] NO (20191053) 2019-09-02

[21] **3,148,881**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-TNFR2 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-TNFR2 ET SON UTILISATION**
[72] ZHAO, XINYAN, CN
[72] ZHAO, XIAOFENG, CN
[72] LU, SHIQIANG, CN
[72] PANG, RAN, CN
[72] LI, XINXIN, CN
[72] REN, JINSHENG, CN
[71] JIANGSU SIMCERE PHARMACEUTICAL CO., LTD., CN
[71] SIMCERE BIO-PHARMACEUTICAL TECHNOLOGY., LTD., CN
[85] 2022-01-27
[86] 2020-07-31 (PCT/CN2020/106057)
[87] (WO2021/023098)
[30] CN (201910713742.1) 2019-08-02

[21] **3,148,883**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/00 (2006.01) A61B 17/92 (2006.01)**
[25] EN
[54] **HANDLE FOR MODULAR TOOL**
[54] **POIGNEE POUR OUTIL MODULAIRE**
[72] BIBARD, LEOPOLD, FR
[72] SOQUENNE, EDGARD, FR
[72] RETAILLEAU, VINCENT, FR
[71] OSTIUM GROUP, FR
[85] 2022-01-27
[86] 2020-07-28 (PCT/EP2020/071301)
[87] (WO2021/018908)
[30] EP (19305991.2) 2019-07-31

[21] **3,148,884**
[13] A1
[51] **Int.Cl. A24B 15/14 (2006.01) A24B 15/167 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION**
[54] **GENERATION D'AEROSOL**
[72] FRIEDRICH, LUDWIG, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-01-27
[86] 2020-07-31 (PCT/EP2020/071647)
[87] (WO2021/019072)
[30] GB (1910952.9) 2019-07-31

[21] **3,148,886**
[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ALZHEIMER'S DISEASE BY REGULATING INTESTINAL MICROORGANISMS**
[54] **PROCEDE DE TRAITEMENT DE LA MALADIE D'ALZHEIMER PAR REGULATION DE MICROORGANISMES INTESTINAUX**
[72] GENG, MEIYU, CN
[72] SUN, GUANGQIANG, CN
[72] WANG, XINYI, CN
[72] ZHANG, JING, CN
[72] FENG, TENG, CN
[71] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-01-27
[86] 2020-08-05 (PCT/CN2020/107221)
[87] (WO2021/023237)
[30] CN (201910720486.9) 2019-08-06

[21] **3,148,887**
[13] A1
[51] **Int.Cl. C08H 8/00 (2010.01) C10G 2/00 (2006.01) C10J 3/00 (2006.01)**
[25] EN
[54] **A METHOD TO CONVERT A CELLULOSIC FRACTION INTO FISCHER TROPSCH PRODUCTS, USING A LIGNOCELLULOSIC RAW MATERIAL BASED PROCESS FOR PRODUCTION OF SYNTHETIC GAS**
[54] **PROCEDE DE CONVERSION D'UNE FRACTION CELLULOSIQUE EN PRODUITS DE FISCHER-TROPSCH, A L'AIDE D'UN PROCEDE A BASE DE MATIERE PREMIERE LIGNOCELLULOSIQUE POUR LA PRODUCTION DE GAZ SYNT HETIQUE**
[72] DELMAS, MICHEL, FR
[71] BIOEB, FR
[85] 2022-01-27
[86] 2020-07-29 (PCT/EP2020/071407)
[87] (WO2021/018966)
[30] EP (19189168.8) 2019-07-30

[21] **3,148,890**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 31/20 (2006.01) A61P 37/06 (2006.01) A61P 41/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **A METHOD FOR PREVENTING HUMAN VIRUS ASSOCIATED DISORDERS IN PATIENTS**
[54] **PROCEDE DE PREVENTION DE TROUBLES ASSOCIES AU VIRUS HUMAIN CHEZ DES PATIENTS**
[72] RUBIC-SCHNEIDER, TINA, CH
[72] TRAGGIAI, ELISABETTA, CH
[72] ULRICH, PETER, CH
[71] NOVARTIS AG, CH
[85] 2022-01-27
[86] 2019-09-11 (PCT/IB2019/057658)
[87] (WO2021/048595)

[21] **3,148,900**
[13] A1
[51] **Int.Cl. G08B 15/00 (2006.01)**
[25] EN
[54] **NON-LETHAL DISTRACTION AND GLASS, METHOD OF ENTRY DEVICES**
[54] **DISTRACTION NON LETALE ET DISPOSITIFS DE PROCEDE D'ENTREE PAR DES VITRES**
[72] ROGERS, STEPHEN, GB
[71] ROGERS, STEPHEN, GB
[85] 2022-01-27
[86] 2019-06-10 (PCT/IB2019/054811)
[87] (WO2020/212743)
[30] GB (1905418.8) 2019-04-17

[21] **3,148,903**
[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61K 31/702 (2006.01) A61P 3/10 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ALZHEIMER'S DISEASE BY INHIBITING UPTAKE OF AMINO ACIDS BY T CELLS**
[54] **PROCEDE DE TRAITEMENT DE LA MALADIE D'ALZHEIMER PAR INHIBITION DE L'ABSORPTION D'ACIDES AMINES PAR DES LYMPHOCYTES T**
[72] GENG, MEIYU, CN
[72] SUN, GUANGQIANG, CN
[72] WANG, XINYI, CN
[72] ZHANG, JING, CN
[72] FENG, TENG, CN
[71] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-01-27
[86] 2020-08-05 (PCT/CN2020/107224)
[87] (WO2021/023238)
[30] CN (201910720450.0) 2019-08-06

[21] **3,148,908**
[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01)**
[25] EN
[54] **BUILDING AUTOMATION SYSTEM FOR CONTROLLING CONDITIONS OF A ROOM**
[54] **SYSTEME D'AUTOMATISATION DE BATIMENT POUR REGULER LES CONDITIONS DANS UNE PIECE**
[72] KLEM, HEATHER, US
[72] KOCH, UDO, US
[72] MARTIN, NELLIE, US
[72] MCNALLY, MARK, US
[72] MORAN, CHRISTINE, US
[72] RODELL, KRISTINE C., US
[71] SIEMENS INDUSTRY, INC., US
[85] 2022-01-27
[86] 2019-07-29 (PCT/US2019/043834)
[87] (WO2021/021096)

[21] **3,148,918**
[13] A1
[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/00 (2006.01) C12Q 1/02 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **METHOD OF SELECTING MICROORGANISM ISOLATES ON A HIGH-DENSITY GROWTH PLATFORM**
[54] **PROCEDE DE SELECTION D'ISOLATS DE MICROORGANISMES SUR UNE PLATEFORME DE CROISSANCE A HAUTE DENSITE**
[72] CHRISTEY, PETER, US
[72] HALLOCK, ALEXANDER, US
[72] VILLANCIO-WOLTER, MARIA, US
[71] GENERAL AUTOMATION LAB TECHNOLOGIES INC., US
[85] 2021-09-13
[86] 2020-03-11 (PCT/US2020/021965)
[87] (WO2020/185817)
[30] US (62/816,854) 2019-03-11

[21] **3,148,919**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **CANNABIS RISK COMPLIANCE AND EXCHANGE PLATFORM**
[54] **PLATEFORME D'ECHANGE ET DE CONFORMITE CONCERNANT LES RISQUES LIES AU CANNABIS**
[72] LOS, TIMOTHY, US
[72] JOHNSON, JACOB, US
[71] RANTE CORPORATION, US
[85] 2022-01-26
[86] 2020-08-21 (PCT/US2020/047347)
[87] (WO2021/183176)
[30] US (16/812,576) 2020-03-09
[30] US (16/994,316) 2020-08-14

[21] **3,148,920**
[13] A1
[51] **Int.Cl. B65D 5/16 (2006.01)**
[25] EN
[54] **CAP FOR CONTAINER**
[54] **BOUCHON POUR RECIPIENT**
[72] MAGUIRE, MICHAEL, US
[71] THISCAP, INC., US
[85] 2022-01-26
[86] 2019-07-27 (PCT/US2019/043817)
[87] (WO2021/021095)

[21] **3,148,921**
[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING CARBOHYDRATE DRUG-SENSITIVE PATIENT IN PATIENTS HAVING ALZHEIMER'S DISEASE**
[54] **PROCEDE D'IDENTIFICATION D'UN PATIENT SENSIBLE AUX MEDICAMENTS A BASE DE GLUCIDES CHEZ DES PATIENTS ATTEINTS DE LA MALADIE D'ALZHEIMER**
[72] GENG, MEIYU, CN
[72] SUN, GUANGQIANG, CN
[72] WANG, XINYI, CN
[72] ZHANG, JING, CN
[72] FENG, TENG, CN
[71] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIAL MEDICA CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-01-27
[86] 2020-08-05 (PCT/CN2020/107237)
[87] (WO2021/023240)
[30] CN (201910720540.X) 2019-08-06

[21] **3,148,922**
[13] A1
[51] **Int.Cl. A61K 31/4025 (2006.01) A61K 31/407 (2006.01) A61K 38/00 (2006.01) A61P 25/00 (2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING DISORDERS ASSOCIATED WITH ELEVATED LEVELS OF ANTIBODIES THAT INTERACT WITH THE NMDA RECEPTOR**
[54] **METHODES DE TRAITEMENT DE TROUBLES ASSOCIES A DES TAUX ELEVES D'ANTICORPS EN INTERACTION AVEC LE RECEPTEUR NMDA**
[72] MOSKAL, JOSEPH R., US
[72] KROES, ROGER A., US
[72] MADSEN, TORSTEN M., US
[71] APTINYX INC., US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2022-01-26
[86] 2020-07-30 (PCT/US2020/044181)
[87] (WO2021/021996)
[30] US (62/881,472) 2019-08-01

[21] **3,148,924**
[13] A1
[51] **Int.Cl. A61K 39/102 (2006.01) A61K 39/104 (2006.01) A61K 47/00 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITION**
[54] **COMPOSITION IMMUNOGENE**
[72] DELPIERRE, GHISLAIN, BE
[72] FORTPIED, JULIETTE, BE
[72] HELLEBAUT, VIRGINIE, BE
[72] LEVET, VINCENT EDWIN PAUL, BE
[72] MAINIL, ROLAND, BE
[72] MATHOT, FREDERIC STEPHANE, BE
[72] MORALES AIRA, MARIA DOLORES, BE
[72] SCIEUR, PHILIPPE, BE
[72] VUYLSTEKE, BRAM, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2022-01-27
[86] 2020-08-03 (PCT/EP2020/071760)
[87] (WO2021/023691)
[30] EP (19189963.2) 2019-08-05

[21] **3,148,925**
[13] A1
[51] **Int.Cl. B01L 3/02 (2006.01) F04B 7/00 (2006.01) F04B 7/06 (2006.01) F04B 9/02 (2006.01) F04B 49/12 (2006.01) F16H 53/00 (2006.01)**
[25] EN
[54] **MECHANISM FOR ELECTRONIC ADJUSTMENT OF FLOWS IN FIXED DISPLACEMENT PUMP**
[54] **MECANISME DE REGLAGE ELECTRONIQUE DE DEBITS DANS UNE POMPE A DEBIT CONSTANT**
[72] SUH, FRANCIS DONGIL, US
[72] MIDDLETON, JOSEPH ERVIN, US
[72] RAWLINGS, DAVID LIONEL, US
[71] FLUID METERING, INC., US
[85] 2022-01-26
[86] 2020-07-30 (PCT/US2020/044252)
[87] (WO2021/022034)
[30] US (62/881,086) 2019-07-31

[21] **3,148,926**
[13] A1
[51] **Int.Cl. A61K 31/702 (2006.01) A61K 45/00 (2006.01) A61P 25/28 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ALZHEIMER'S DISEASE BY REGULATING AMINO ACID LEVEL**
[54] **PROCEDE DE TRAITEMENT DE LA MALADIE D'ALZHEIMER PAR REGULATION DU TAUX D'ACIDES AMINES**
[72] GENG, MEIYU, CN
[72] SUN, GUANGQIANG, CN
[72] WANG, XINYI, CN
[72] ZHANG, JING, CN
[72] FENG, TENG, CN
[71] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES, CN
[85] 2022-01-27
[86] 2020-08-05 (PCT/CN2020/107238)
[87] (WO2021/023241)
[30] CN (201910720487.3) 2019-08-06

[21] **3,148,927**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **MODULAR TOOL**
[54] **OUTIL MODULAIRE**
[72] BIBARD, LEOPOLD, FR
[72] SOQUENNE, EDGARD, FR
[72] RETAILLEAU, VINCENT, FR
[71] OSTIUM GROUP, FR
[85] 2022-01-27
[86] 2020-07-28 (PCT/EP2020/071303)
[87] (WO2021/018910)
[30] EP (19305992.0) 2019-07-31

[21] **3,148,928**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 39/102 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A COMPOSITION COMPRISING A PROTEIN D POLYPEPTIDE**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION COMPRENANT UN POLYPEPTIDE DE PROTEINE D**
[72] SAE HOUER, PIERRE, BE
[72] SANTANA DOS SANTOS, PEDRO, BE
[72] STRODIOT, LAURENT BERNARD JEAN, BE
[72] VUYLSTEKE, BRAM, BE
[72] ZULIANI, ARNAUD, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2022-01-27
[86] 2020-08-03 (PCT/EP2020/071761)
[87] (WO2021/023692)
[30] EP (19189964.0) 2019-08-05

[21] **3,148,930**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/02 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CAR T-CELLS AGAINST BCMA FOR THE TREATMENT OF MULTIPLE MYELOMA**
[54] **LYMPHOCYTES T CAR DIRIGES CONTRE BCMA POUR LE TRAITEMENT DU MYELOME MULTIPLE**
[72] MARTIN ANTONIO, BEATRIZ, ES
[72] URBANO ISPIZUA, ALVARO, ES
[72] PEREZ AMILL, LORENA, ES
[72] SUNE RODRIGUEZ, GUILLERMO, ES
[72] JUAN OTERO, MANEL, ES
[71] FUNDACIO CLINIC PER A LA RECERCA BIOMEDICA, ES
[71] HOSPITAL CLINIC, ES
[71] INSTITUT D'INVESTIGACIONS BIOMEDIQUES AUGUST PI I SUNYER (IDIBAPS), ES
[71] UNIVERSITAT DE BARCELONA, ES
[85] 2022-01-27
[86] 2020-08-03 (PCT/EP2020/071831)
[87] (WO2021/023721)
[30] EP (19382673.2) 2019-08-02

[21] **3,148,931**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B65H 35/07 (2006.01) E04B 1/80 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EXPOSED FINISHABLE INSULATED WALLBOARD**
[54] **APPAREIL ET PROCEDE DESTINES A UN PANNEAU MURAL ISOLANT APPARENT A RECOUVRIR**
[72] TEODOROVICH, MISHKO, US
[72] TEODOROVICH, ANDREW, US
[71] TEODOROVICH, MISHKO, US
[71] TEODOROVICH, ANDREW, US
[85] 2022-01-26
[86] 2020-08-03 (PCT/US2020/044714)
[87] (WO2021/026058)
[30] US (62/882,522) 2019-08-03

[21] **3,148,932**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **TOOL HOLDER FOR MODULAR TOOL**
[54] **PORTE-OUTIL POUR OUTIL MODULAIRE**
[72] BIBARD, LEOPOLD, FR
[72] SOQUENNE, EDGARD, FR
[72] RETAILLEAU, VINCENT, FR
[71] OSTIUM GROUP, FR
[85] 2022-01-27
[86] 2020-07-28 (PCT/EP2020/071304)
[87] (WO2021/018911)
[30] EP (19305993.8) 2019-07-31

[21] **3,148,933**
[13] A1
[51] **Int.Cl. A61K 36/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **PLANT EXOSOMES USED FOR TREATMENT OF DISEASES ORIGINATING FROM PROTEIN AGGREGATES FORMED IN CELLS**
[54] **EXOSOMES VEGETAUX UTILISES POUR LE TRAITEMENT DE MALADIES PROVENANT D'AGREGATS DE PROTEINES FORMES DANS DES CELLULES**
[72] SAHIN, FIKRETTIN, TR
[72] KIRBAS, OGUZ KAAN, TR
[72] BOZKURT, BATUHAN TURHAN, TR
[72] TASLI, PAKIZE NESLIHAN, TR
[71] YEDITEPE UNIVERSITESI, TR
[85] 2022-01-26
[86] 2020-07-30 (PCT/TR2020/050677)
[87] (WO2021/021063)
[30] TR (2019/11667) 2019-08-01

[21] **3,148,934**
[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01) C12N 9/06 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12N 15/53 (2006.01) C12N 15/54 (2006.01) C12N 15/60 (2006.01)**
[25] EN
[54] **A METHOD FOR THE PRODUCTION OF PLANTS WITH ALTERED PHOTORESPIRATION AND IMPROVED CO2 FIXATION**
[54] **PROCEDE DE PRODUCTION DE PLANTES A PHOTORESPIRATION MODIFIEE ET FIXATION AMELIOREE DU CO2**
[72] SCHADA VON BORZYSKOWSKI, LENNART, DE
[72] ERB, TOBIAS JURGEN, DE
[72] WEBER, ANDREAS PAUL MICHAEL, DE
[72] ROLL, MARC-SVEN, DE
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
[71] HEINRICH-HEINE-UNIVERSITAT DUSSELDORF, DE
[85] 2022-01-27
[86] 2020-08-05 (PCT/EP2020/072071)
[87] (WO2021/023801)
[30] EP (19190404.4) 2019-08-06

[21] **3,148,935**
[13] A1
[51] **Int.Cl. B60P 7/08 (2006.01) B60P 1/52 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSFERRING CARGO FROM A CARGO RECEIVING PORTION OF A VEHICLE, AND VEHICLE FOR CARRYING OUT SAID METHOD**
[54] **PROCEDE DE TRANSFERT D'UNE CARGAISON A PARTIR D'UNE PARTIE DE RECEPTION DE CARGAISON D'UN VEHICULE ET VEHICULE PERMETTANT LA MISE EN □UVRE DE CE PROCEDE**
[72] BEHLING, JAN, DE
[72] ROTGERI, MATHIAS, DE
[72] EMMERICH, JAN, SOREN, DE
[72] HONING, DIRK, DE
[72] KLOKOWSKI, PATRICK, DE
[72] HAMMERMEISTER, CHRISTIAN, DE
[72] TEN HOMPEL, MICHAEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-01-27
[86] 2020-08-07 (PCT/EP2020/072260)
[87] (WO2021/032508)
[30] DE (10 2019 122 055.6) 2019-08-16

[21] **3,148,936**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **MODIFIED BI SPECIFIC ANTI CDS ANTIBODIES**
[54] **ANTICORPS ANTI-CD3 BI-SPECIFIQUES MODIFIES**
[72] PSZOLLA, GABRIELE, DE
[72] HOFMANN, MARTIN, DE
[72] UNVERDORBEN, FELIX, DE
[72] HUTT, MEIKE, DE
[72] MAURER, DOMINIK, DE
[72] BUNK, SEBASTIAN, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2022-01-27
[86] 2020-07-31 (PCT/EP2020/071655)
[87] (WO2021/023657)
[30] DE (10 2019 121 022.4) 2019-08-02
[30] US (62/882,364) 2019-08-02

[21] **3,148,937**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/00 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **ANTIGEN BINDING PROTEINS SPECIFICALLY BINDING MAGE-A**
[54] **PROTEINES DE LIAISON A L'ANTIGENE SE LIANT DE MANIERE SPECIFIQUE A MAGE-A**
[72] HUTT, MEIKE, DE
[72] UNVERDORBEN, FELIX, DE
[72] BUNK, SEBASTIAN, DE
[72] MAURER, DOMINIK, DE
[72] HOFMANN, MARTIN, DE
[72] PSZOLLA, GABRIELE, DE
[72] YOUSEF, SARA, DE
[72] WAGNER, CLAUDIA, DE
[72] SCHWOBEL, FRANK, DE
[72] SCHUSTER, HEIKO, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2022-01-27
[86] 2020-07-31 (PCT/EP2020/071660)
[87] (WO2021/023658)
[30] DE (10 2019 121 007.0) 2019-08-02
[30] US (62/882,131) 2019-08-02
[30] US (62/905,782) 2019-09-25

[21] **3,148,938**
[13] A1
[51] **Int.Cl. A61C 17/18 (2006.01) A61C 17/32 (2006.01)**
[25] EN
[54] **DENTAL APPARATUS**
[54] **APPAREIL DENTAIRE**
[72] TANNA, JAY, GB
[71] TANNA, JAY, GB
[85] 2022-01-27
[86] 2020-07-21 (PCT/GB2020/051734)
[87] (WO2021/019207)
[30] GB (1910812.5) 2019-07-29

[21] **3,148,939**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/565 (2006.01) A61K 31/57 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF ESTROGEN-DEPENDENT DISORDERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES DEPENDANT DES STROGENES**
[72] GOTTELAND, JEAN-PIERRE, CH
[72] BESTEL, ELKE, CH
[71] OBSEVA S.A., CH
[85] 2022-01-27
[86] 2020-08-07 (PCT/EP2020/072302)
[87] (WO2021/023877)
[30] US (62/884,426) 2019-08-08
[30] US (63/047,038) 2020-07-01
[30] US (63/048,427) 2020-07-06

[21] **3,148,940**
[13] A1
[51] **Int.Cl. B32B 7/02 (2019.01) B32B 15/12 (2006.01) B65D 65/42 (2006.01) D21H 19/08 (2006.01) D21H 19/82 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **MULTI-METAL LAYER WVTR BARRIER PRODUCTS ON WATER VAPOUR AND OXYGEN PERMEABLE BIO-BASED SUBSTRATES**
[54] **PRODUITS FORMANT BARRIERE A WVTR MULTICOUCHE METALLIQUE SUR DES SUBSTRATS A BASE BIOLOGIQUE PERMEABLES A LA VAPEUR D'EAU ET A L'OXYGENE**
[72] RASETTO, VALERIA, IT
[72] MONDELLI, DANIELA, IT
[72] KALAN, ROGHAIYEH EBRAHIMI, US
[72] GUNDLACH, KURT, US
[71] AR METALLIZING N.V., BE
[85] 2022-01-27
[86] 2020-07-31 (PCT/EP2020/071671)
[87] (WO2021/023661)
[30] EP (19189748.7) 2019-08-02

[21] **3,148,942**
[13] A1
[51] **Int.Cl. E03F 5/04 (2006.01) B01D 29/23 (2006.01) B01D 29/25 (2006.01) B01D 39/20 (2006.01)**
[25] EN
[54] **STORM WATER DRAIN PIT**
[54] **FOSSE DE DRAINAGE D'EAUX PLUVIALES**
[72] VAN DER VELD, RUTGERUS NICOLAAS PIETER MARIA, DK
[72] DRIESSEN, ROBERTUS LAMBERTUS MARIA, DK
[72] PETERS, WILHELMUS LAMBERTUS JOHANNES, DK
[71] ROCKWOOL B.V., NL
[85] 2022-01-27
[86] 2020-08-13 (PCT/EP2020/072735)
[87] (WO2021/028526)
[30] EP (19191579.2) 2019-08-13

[21] **3,148,946**
[13] A1
[51] **Int.Cl. B64C 13/16 (2006.01) B64C 39/02 (2006.01) H02P 6/06 (2006.01)**
[25] EN
[54] **A FLIGHT CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE VOL**
[72] THOMAS, ADRIAN, GB
[72] GILBERT, SIMON, GB
[71] ANIMAL DYNAMICS LTD, GB
[85] 2022-01-27
[86] 2020-07-31 (PCT/GB2020/051837)
[87] (WO2021/019250)
[30] GB (1911004.8) 2019-08-01

[21] **3,148,948**
[13] A1
[51] **Int.Cl. A61H 7/00 (2006.01) A61H 9/00 (2006.01) A61H 19/00 (2006.01)**
[25] EN
[54] **A STIMULATION DEVICE USING SUCTION AND VIBRATIONS**
[54] **DISPOSITIF DE STIMULATION UTILISANT UNE ASPIRATION ET DES VIBRATIONS**
[72] DEITZ, RUBEN, US
[72] HEIJNEN, OSCAR, NL
[71] SHOTS BV, NL
[71] DEITZ, RUBEN, US
[85] 2022-01-27
[86] 2019-07-30 (PCT/IB2019/056510)
[87] (WO2021/019282)

[21] **3,148,950**
[13] A1
[51] **Int.Cl. C07K 14/415 (2006.01) C12N 15/82 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **METHODS OF CONTROLLING CANNABINOID SYNTHESIS IN PLANTS OR CELLS AND PLANTS AND CELLS PRODUCED THEREBY**
[54] **METHODES DE REGULATION DE LA SYNTHESE DE CANNABINOIDES CHEZ LA PLANTE OU DANS DES CELLULES ET PLANTES ET CELLULES AINSI PRODUITES**
[72] FLAISHMAN, MOSHE ARIE, IL
[72] SHAFRAN-TOMER, HADAS, IL
[72] COHEN PEER, REUT, IL
[72] COHEN, ODED, IL
[71] THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (A.R.O.), VOLCANI CENTER, IL
[85] 2022-01-27
[86] 2020-07-29 (PCT/IL2020/050835)
[87] (WO2021/019536)
[30] US (62/880,136) 2019-07-30

[21] **3,148,952**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) C07D 255/02 (2006.01) C07D 257/02 (2006.01) C07D 487/04 (2006.01) C22B 3/26 (2006.01) C22B 34/14 (2006.01)**
[25] EN
[54] **METHOD FOR SYNTHESIZING ZIRCONIUM COMPLEX**
[54] **PROCEDE DE SYNTHESE D'UN COMPLEXE DE ZIRCONIUM**
[72] IMURA, RYOTA, JP
[71] JFE ENGINEERING CORPORATION, JP
[85] 2022-01-27
[86] 2020-06-25 (PCT/JP2020/025031)
[87] (WO2021/019983)
[30] JP (2019-139778) 2019-07-30

[21] **3,148,954**
[13] A1
[51] **Int.Cl. B60C 23/04 (2006.01) B60C 29/06 (2006.01)**
[25] EN
[54] **TYRE EMERGENCY SAFETY VALVE**
[54] **SOUPAPE DE SECURITE D'URGENCE DE PNEU**
[72] MCGHEE, JAMES ANDREW, AU
[71] MCGHEE, JAMES ANDREW, AU
[85] 2022-02-22
[86] 2020-09-02 (PCT/AU2020/000100)
[87] (WO2021/042154)
[30] AU (2019903237) 2019-09-03

[21] **3,148,955**
[13] A1
[51] **Int.Cl. A61K 31/4365 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] TOMINARI, YUSUKE, JP
[72] TOMATA, YOSHIHIDE, JP
[72] GAMO, KANAE, JP
[72] KITAMOTO, NAOMI, JP
[71] FIMECS, INC., JP
[85] 2022-01-27
[86] 2020-07-31 (PCT/JP2020/029590)
[87] (WO2021/020586)
[30] JP (2019-141700) 2019-07-31

[21] **3,148,958**
[13] A1
[51] **Int.Cl. A61M 15/08 (2006.01) A61M 16/00 (2006.01) A61M 16/06 (2006.01) A61M 16/08 (2006.01) A61M 16/20 (2006.01) A62B 18/02 (2006.01)**
[25] EN
[54] **RESPIRATORY ASSEMBLY AND METHODS OF USING THE SAME**
[54] **ENSEMBLE RESPIRATOIRE ET SES PROCEDES D'UTILISATION**
[72] HEATHERINGTON, STUART, US
[71] SNAP CPAP, LLC, US
[85] 2022-01-11
[86] 2020-06-22 (PCT/US2020/038944)
[87] (WO2021/007021)
[30] US (62/872,776) 2019-07-11

[21] **3,148,961**
[13] A1
[51] **Int.Cl. A61B 18/20 (2006.01) A61N 5/067 (2006.01)**
[25] EN
[54] **PHOTOTHERAPY DEVICE**
[54] **APPAREIL DE PHOTOTHERAPIE**
[72] NANJO, TAKUYA, JP
[72] ISHIBASHI, NAOYA, JP
[71] TEIJIN PHARMA LIMITED, JP
[85] 2022-01-27
[86] 2020-12-22 (PCT/JP2020/048017)
[87] (WO2021/132271)
[30] JP (2019-231711) 2019-12-23

[21] **3,148,962**
[13] A1
[51] **Int.Cl. F41B 5/14 (2006.01)**
[25] EN
[54] **ARCHERY BOW MONITORING**
[54] **SURVEILLANCE D'ARC DE TIR A L'ARC**
[72] VAQUER, JORDI, ES
[72] VAQUER, JOSEP LLUIS, ES
[72] DE MAGRINA, JOAN, ES
[71] ARCHERY INTELLIGENCE, LLC, US
[85] 2022-01-27
[86] 2019-07-30 (PCT/US2019/044104)
[87] (WO2021/021128)

[21] **3,148,965**
[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01) A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **FORMULATIONS AND DOSAGES FOR ADMINISTERING A COMPOUND THAT INHIBITS MCL1 PROTEIN**
[54] **FORMULATIONS ET DOSAGES D'ADMINISTRATION D'UN COMPOSE INHIBANT LA PROTEINE MCL1**
[72] KELLY, RON C., US
[72] KENNEDY, MICHAEL T., US
[72] LA, STEVEDAT K., US
[71] AMGEN INC., US
[85] 2022-01-27
[86] 2020-04-23 (PCT/US2020/029446)
[87] (WO2021/021259)
[30] US (62/880,383) 2019-07-30
[30] EP (19208217.0) 2019-11-10

[21] **3,148,966**
[13] A1
[51] **Int.Cl. G01N 1/18 (2006.01) F04B 43/12 (2006.01) G01F 11/00 (2006.01) G01F 11/12 (2006.01) G01F 15/12 (2006.01) G01N 1/10 (2006.01)**
[25] EN
[54] **SAMPLER**
[54] **ECHANTILLONNEUR**
[72] JENSEN, ASHLEY, AU
[71] SMARTA INDUSTRIAL PTY LTD, AU
[85] 2022-02-22
[86] 2020-09-02 (PCT/AU2020/000098)
[87] (WO2021/042152)
[30] AU (2019903231) 2019-09-02

[21] **3,148,968**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61F 2/16 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **CAPSULAR RETRACTORS**
[54] **ECARTEURS CAPSULAIRES**
[72] MACKOOL, RICHARD, US
[71] MACKOOL, RICHARD, US
[85] 2022-01-27
[86] 2020-05-21 (PCT/US2020/033907)
[87] (WO2021/034361)
[30] US (16/544,300) 2019-08-19

[21] **3,148,969**
[13] A1
[51] **Int.Cl. H04B 7/0417 (2017.01) H04B 7/0426 (2017.01) H04L 9/00 (2022.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND METHOD USING UNITARY BRAID DIVISIONAL MULTIPLEXING (UBDM) WITH PHYSICAL LAYER SECURITY**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION UTILISANT UN MULTIPLEXAGE PAR REPARTITION EN TRESSE UNITAIRE (UBDM) AVEC SECURITE DE COUCHE PHYSIQUE**
[72] ROBINSON, MATTHEW BRANDON, US
[71] RAMPART COMMUNICATIONS, INC., US
[85] 2022-01-27
[86] 2020-07-27 (PCT/US2020/043686)
[87] (WO2021/021703)
[30] US (16/527,240) 2019-07-31

[21] **3,148,972**
[13] A1
[51] **Int.Cl. E04C 2/32 (2006.01) E04B 1/02 (2006.01) E04B 1/344 (2006.01) E04B 9/04 (2006.01) E04D 3/00 (2006.01) E04F 15/02 (2006.01)**
[25] EN
[54] **MODULAR BUILDING CONSTRUCTION**
[54] **CONSTRUCTION DE BATIMENT MODULAIRE**
[72] HANSEN, KLAUS HAMMERSHOLT, XX
[72] HUNTER, ANDREW DAVIS, XX
[71] L2U GROUP PTY LTD, AU
[85] 2022-01-18
[86] 2019-07-24 (PCT/AU2019/050774)
[87] (WO2020/019027)
[30] AU (2018902691) 2018-07-25
[30] AU (2018904453) 2018-11-22

[21] **3,148,974**
[13] A1
[51] **Int.Cl. H04N 7/15 (2006.01) H04N 5/45 (2011.01) H04N 5/63 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PARTICIPANT-CONTROLLED VIDEO CONFERENCING**
[54] **SYSTEMES ET PROCEDES POUR UNE VIDEOCONFERENCE COMMANDEE PAR UN PARTICIPANT**
[72] DECAMP, RONALD, US
[72] TSANG, MAN CHEUNG DAN, US
[72] MARKOVSKY, NICHOLAS ANTHONY, US
[71] TARGUS INTERNATIONAL LLC, US
[85] 2022-01-27
[86] 2020-08-21 (PCT/US2020/047448)
[87] (WO2021/035156)
[30] US (62/890,482) 2019-08-22

[21] **3,148,975**
[13] A1
[51] **Int.Cl. G06F 16/9537 (2019.01) G06F 17/16 (2006.01) G06T 1/20 (2006.01) G06T 11/00 (2006.01) G06T 11/40 (2006.01) G09G 5/36 (2006.01)**
[25] EN
[54] **FLUID AND RESOLUTION-FRIENDLY VIEW OF LARGE VOLUMES OF TIME SERIES DATA**
[54] **VISION RESPECTUEUSE DE LA RESOLUTION ET FLUIDE DE GRANDS VOLUMES DE DONNEES CHRONOLOGIQUES**
[72] TOROMAN, VUKASIN, US
[72] KEARNS, DANIEL, US
[72] SUBRAMANIAN, LENIN KUMAR, US
[72] MEHTA, NIKUNJ R., US
[71] FALKONRY INC., US
[85] 2022-01-27
[86] 2020-07-27 (PCT/US2020/043735)
[87] (WO2021/021734)
[30] US (62/880,388) 2019-07-30

[21] **3,148,977**
[13] A1
[51] **Int.Cl. C11D 1/66 (2006.01) B01J 19/06 (2006.01) C11D 3/04 (2006.01) C11D 3/22 (2006.01) C11D 3/43 (2006.01) C11D 17/00 (2006.01) C11D 3/08 (2006.01)**
[25] EN
[54] **HIGH ALKALINE SOLVENT-BASED DEGREASER AND CLEANER WITH DIUTAN GUM AS A PRIMARY THICKENING SYSTEM**
[54] **DEGRAISSANT ET NETTOYANT A BASE DE SOLVANT HAUTEMENT ALCALIN RENFERMANT DE LA GOMME DE DIUTANE EN TANT QUE SYSTEME EPAISSISSANT PRINCIPAL**
[72] EMIRU, HILINA, US
[72] WALTERS, KERRIE E., US
[72] FAUBION, MADELINE G., US
[71] ECOLAB USA INC., US
[85] 2022-01-27
[86] 2020-09-25 (PCT/US2020/052629)
[87] (WO2021/062091)
[30] US (62/906,216) 2019-09-26

[21] **3,148,979**
[13] A1
[51] **Int.Cl. A01K 1/00 (2006.01) A01K 3/00 (2006.01) E04H 17/00 (2006.01)**
[25] EN
[54] **A PENNING SYSTEM**
[54] **SYSTEME DE MISE EN PARQUET**
[72] BANNON, MICHAEL, AU
[71] ICM AUSTRALIA PTY LTD, AU
[85] 2022-02-22
[86] 2020-04-29 (PCT/AU2020/050421)
[87] (WO2021/072478)
[30] AU (2019250258) 2019-10-18

[21] **3,148,980**
[13] A1
[51] **Int.Cl. A61K 38/10 (2006.01) A61P 17/02 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR PROMOTING WOUND HEALING**
[54] **COMPOSITION ET METHODE POUR FAVORISER LA CICATRISATION DES PLAIES**
[72] MINSHALL, RICHARD D., US
[72] CHEN, ZHENLONG, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[85] 2022-01-27
[86] 2020-07-28 (PCT/US2020/043813)
[87] (WO2021/021774)
[30] US (62/879,717) 2019-07-29

[21] **3,148,981**
[13] A1
[51] **Int.Cl. A43B 7/16 (2006.01) A43B 7/14 (2022.01) A43B 13/14 (2006.01) A43B 17/00 (2006.01) A61F 5/14 (2006.01)**
[25] EN
[54] **A FOOTWEAR INSERT ASSEMBLY**
[54] **ENSEMBLE INSERT DE CHAUSSURE**
[72] HAIRE, CAROLINE ROSE, AU
[71] FRANKIE4 IP 1 PTY LTD, AU
[85] 2022-01-28
[86] 2020-07-31 (PCT/AU2020/050789)
[87] (WO2021/016674)
[30] AU (2019902759) 2019-08-01

[21] **3,148,983**
[13] A1
[51] **Int.Cl. B28C 5/42 (2006.01) B28C 7/02 (2006.01) G05B 19/18 (2006.01) G07C 5/02 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **COORDINATING CONCRETE DELIVERY AND PLACEMENT**
[54] **COORDINATION DE DISTRIBUTION ET DE MISE EN PLACE DE BETON**
[72] TREGGER, NATHAN A., US
[72] ROBERTS, MARK F., US
[72] STRAKA, JASON, US
[72] BERODIER, ELISE, CH
[72] AUSTIN, GREG, US
[72] HOOPES, ROBERT, US
[71] GCP APPLIED TECHNOLOGIES INC., US
[85] 2022-01-27
[86] 2020-07-28 (PCT/US2020/043920)
[87] (WO2021/021836)
[30] US (62/881,614) 2019-08-01

[21] **3,148,984**
[13] A1
[51] **Int.Cl. F03D 13/00 (2016.01) B66C 1/62 (2006.01)**
[25] EN
[54] **CLAMP FOR WIND TURBINE ROTOR BLADE**
[54] **DISPOSITIF DE SERRAGE POUR PALE DE ROTOR D'EOLIENNE**
[72] MAIJ, EELKO, NL
[72] VAN DER STEEN, ANDRE, NL
[72] AITKEN, GLEN D., CA
[71] LIFTWERX HOLDINGS INC., CA
[85] 2022-01-28
[86] 2020-07-29 (PCT/CA2020/051035)
[87] (WO2021/022361)
[30] US (62/882,298) 2019-08-02

[21] **3,148,985**
[13] A1
[51] **Int.Cl. A24F 1/00 (2006.01)**
[25] EN
[54] **COMPACT PIPE FOR SMOKING CANNABIS**
[54] **PIPE COMPACTE POUR FUMER DU CANNABIS**
[72] BARENBOYM, MICHAEL, US
[71] WEEDGETS INC., US
[85] 2022-01-27
[86] 2020-07-29 (PCT/US2020/043940)
[87] (WO2021/025909)
[30] US (16/533,223) 2019-08-06

[21] **3,148,986**
[13] A1
[51] **Int.Cl. G01N 11/14 (2006.01) G01N 22/00 (2006.01)**
[25] EN
[54] **ROTATED CONCRETE VOLUME DETERMINATION**
[54] **DETERMINATION DU VOLUME DE BETON MIS EN ROTATION**
[72] ROBERTS, MARK F., US
[72] TREGGER, NATHAN A., US
[71] GCP APPLIED TECHNOLOGIES INC., US
[85] 2022-01-27
[86] 2020-07-30 (PCT/US2020/044153)
[87] (WO2021/021983)
[30] US (62/881,583) 2019-08-01

[21] **3,148,987**
[13] A1
[51] **Int.Cl. F04B 49/06 (2006.01) F01D 15/08 (2006.01) F01D 15/10 (2006.01)**
[25] EN
[54] **HIGH CAPACITY POWER STORAGE SYSTEM FOR ELECTRIC HYDRAULIC FRACTURING**
[54] **SYSTEME DE STOCKAGE D'ENERGIE A HAUTE CAPACITE POUR FRACTURATION HYDRAULIQUE ELECTRIQUE**
[72] HINDERLITER, BRANDON N., US
[72] OEHRING, JARED, US
[72] RILEY, STEVEN, US
[71] U.S. WELL SERVICES, LLC, US
[85] 2022-01-27
[86] 2020-07-30 (PCT/US2020/044274)
[87] (WO2021/022048)
[30] US (62/881,714) 2019-08-01

[21] **3,148,988**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61K 31/517 (2006.01) A61P 19/00 (2006.01)**
[25] EN
[54] **TARGETING THE GASTROINTESTINAL BARRIER TO TREAT AGE-RELATED DISORDERS**
[54] **CIBLAGE DE LA BARRIERE GASTRO-INTESTINALE POUR TRAITER DES TROUBLES LIES A L'AGE**
[72] HODIN, RICHARD A., US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2022-01-27
[86] 2020-07-30 (PCT/US2020/044313)
[87] (WO2021/025959)
[30] US (62/881,967) 2019-08-02
[30] US (62/994,577) 2020-03-25

[21] **3,148,989**
[13] A1
[51] **Int.Cl. H01R 9/05 (2006.01) B61B 12/00 (2006.01) H01R 4/10 (2006.01) H01R 4/50 (2006.01) H01R 4/70 (2006.01) H01R 43/04 (2006.01)**
[25] EN
[54] **COUPLER SEAL FOR COAXIAL CABLE SYSTEM COMPONENTS**
[54] **JOINT DE COUPLEUR POUR COMPOSANTS DE SYSTEME DE CABLE COAXIAL**
[72] DAOUST, DANIEL, US
[72] WATKINS, HAROLD J., US
[72] STANKOVSKI, STEVE, US
[71] PPC BROADBAND, INC., US
[85] 2022-01-27
[86] 2020-08-03 (PCT/US2020/044806)
[87] (WO2021/022260)
[30] US (62/881,523) 2019-08-01

[21] **3,148,991**
[13] A1
[51] **Int.Cl. A61B 90/00 (2016.01) A61Q 90/00 (2009.01) B43K 27/00 (2006.01)**
[25] EN
[54] **MARKING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE MARQUAGE**
[72] VAN WYNGAARDEN, CASE BRYANT, CA
[72] SEGAL, MARK STEPHEN, CA
[72] BHALLA, SANJIV BHALLA, CA
[72] HANEY, PATRICK MICHAEL, CA
[72] POLLOCK, CHRISTOPHER SANDOR, CA
[72] ZAKRZEWSKI, PETER ANDREW, CA
[72] NYULI, COLIN, CA
[72] CHAU, ALFRED, CA
[72] GRAY, DARREN ADDISON, CA
[71] 1147065 B.C. LTD., CA
[85] 2022-01-28
[86] 2020-07-29 (PCT/CA2020/051039)
[87] (WO2021/016709)
[30] US (62/879,985) 2019-07-29

[21] **3,148,992**
[13] A1
[51] **Int.Cl. A61K 31/365 (2006.01) C12N 5/095 (2010.01) A61P 35/02 (2006.01)**
[25] EN
[54] **SCALEABLE PREPARATION OF POLYKETIDES**
[54] **PREPARATION DE POLYCETIDES POUVANT ETRE MISE A L'ECHELLE**
[72] BURKART, MICHAEL D., US
[72] CHAN, WARREN C., US
[72] LEON, BRIAN, US
[72] LA CLAIR, JAMES J., US
[72] TRIEGER, KELSEY A., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-01-27
[86] 2020-08-05 (PCT/US2020/045066)
[87] (WO2021/026273)
[30] US (62/883,491) 2019-08-06

[21] **3,148,994**
[13] A1
[51] **Int.Cl. B01D 3/00 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **SEPARATION OF CANNABINOIDS FROM MIXTURES THEREOF BY EXTRACTION AND DISTILLATION**
[54] **SEPARATION DE CANNABINOIDES DE MELANGES DE CEUX-CI PAR EXTRACTION ET DISTILLATION**
[72] ADAIR, CHRISTOPHER, CA
[72] GEILING, BEN, CA
[72] MARYNISSEN, LOGAN, CA
[71] CANOPY GROWTH CORPORATION, CA
[85] 2022-01-28
[86] 2020-07-30 (PCT/CA2020/051050)
[87] (WO2021/016717)
[30] US (62/881,032) 2019-07-31

[21] **3,148,995**
[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01) B60C 23/10 (2006.01)**
[25] EN
[54] **MULTI-BODY HUBCAP FOR TIRE INFLATION SYSTEMS**
[54] **ENJOLIVEUR MULTI-CORPS POUR SYSTEMES DE GONFLAGE DE PNEUMATIQUE**
[72] SHARKEY, JAMES, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2022-01-27
[86] 2020-08-12 (PCT/US2020/046002)
[87] (WO2021/030485)
[30] US (62/885,647) 2019-08-12

[21] **3,148,996**
[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01) B60C 23/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE POSITION ROTARY UNION**
[54] **RACCORD ROTATIF A POSITION REGLABLE**
[72] HENNIG, MARK KEVIN, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2022-01-27
[86] 2020-08-12 (PCT/US2020/046003)
[87] (WO2021/030486)
[30] US (62/885,637) 2019-08-12

[21] **3,148,998**
[13] A1
[51] **Int.Cl. B60C 23/00 (2006.01) B60C 23/04 (2006.01) B60C 23/10 (2006.01)**
[25] EN
[54] **SMOOTH BORE HUBCAP AND ROTARY UNION**
[54] **ENJOLIVEUR A ALESAGE LISSE ET RACCORD ROTATIF**
[72] SHARKEY, JAMES, US
[71] EQUALAIRE SYSTEMS, INC., US
[85] 2022-01-27
[86] 2020-08-12 (PCT/US2020/046014)
[87] (WO2021/030495)
[30] US (62/885,654) 2019-08-12

[21] **3,149,001**
[13] A1
[51] **Int.Cl. A61F 13/535 (2006.01) A61F 13/534 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLES HAVING A FOLDED ABSORBENT CORE DEFINING ONE OR MORE CHANNELS**
[54] **ARTICLES ABSORBANTS AYANT UN NOYAU ABSORBANT PLIE DEFINISSANT UN OU PLUSIEURS CANAUX**
[72] KAISER, THOMAS A., US
[71] ATTENDS HEALTHCARE PRODUCTS, INC., US
[85] 2022-01-27
[86] 2020-08-13 (PCT/US2020/046065)
[87] (WO2021/030531)
[30] US (62/886,128) 2019-08-13

[21] **3,149,002**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) H04M 3/51 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING INTERACTION INVITATIONS**
[54] **SYSTEMES ET PROCEDES DE GESTION D'INVITATIONS D'INTERACTIONS**
[72] MILMAN, VADIM, US
[72] KELLER, ITAMAR, US
[72] HENDEL, SHACHAR, US
[72] BEN-DAVID, TOMER, US
[72] ZER-KAVOD, AMIHAY, US
[72] LUKACH, YARIV, US
[72] GRUENDLINGER, LEOR, US
[72] RON, OFER, US
[72] LAHAV, SHLOMO, US
[71] LIVEPERSON, INC., US
[85] 2022-01-27
[86] 2020-08-13 (PCT/US2020/046236)
[87] (WO2021/030626)
[30] US (62/886,647) 2019-08-14

[21] **3,149,004**
[13] A1
[51] **Int.Cl. G06F 21/10 (2013.01) G06F 21/60 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF TRANSFORMING ELECTRONIC CONTENT**
[54] **SYSTEMES ET PROCEDES DE TRANSFORMATION DE CONTENU ELECTRONIQUE**
[72] MYMAN, DARIN, US
[71] DATCHAT, INC., US
[85] 2022-01-27
[86] 2020-08-19 (PCT/US2020/046986)
[87] (WO2021/034926)
[30] US (16/545,706) 2019-08-20

[21] **3,149,006**
[13] A1
[51] **Int.Cl. G16H 40/67 (2018.01) G16H 40/63 (2018.01) A61B 5/00 (2006.01) A61D 13/00 (2006.01) G01K 1/02 (2021.01) G01N 25/62 (2006.01) H04Q 11/00 (2006.01)**
[25] EN
[54] **VETERINARY THERMOMETER AND METHOD OF MANAGING ANIMAL HEALTH CONSIDERING AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS**
[54] **THERMOMETRE VETERINAIRE ET METHODE DE GESTION DE LA SANTE ANIMALE TENANT COMPTE DE LA TEMPERATURE AMBIANTE ET DES CONDITIONS D'HUMIDITE**
[72] GEISSLER, RANDOLPH K., US
[72] LEWIS, STEVE A., US
[72] QUAKENBUSH, GREG, US
[72] SMITH, GREGORY H., US
[71] GEISSLER COMPANIES, LLC, US
[85] 2022-01-27
[86] 2020-08-21 (PCT/US2020/047444)
[87] (WO2021/035154)
[30] US (62/889,918) 2019-08-21

[21] **3,149,009**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) H04W 84/06 (2009.01) H04B 7/26 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR AUTONOMOUSLY TRACKING DISTRESS EVENTS ON AN AIRCRAFT IN REAL-TIME WHILE IN FLIGHT**
[54] **PROCEDE ET SYSTEME DE SUIVI AUTONOME D'EVENEMENTS DE DETRESSE SUR UN AERONEF EN TEMPS REEL PENDANT LE VOL**
[72] NORDINE, MALACHI, CA
[72] MARTIN, DAVID JAMES, CA
[72] GOERZEN, JONATHAN ARTHUR, CA
[71] SKYTRAC SYSTEMS LTD., CA
[85] 2022-01-28
[86] 2020-07-31 (PCT/CA2020/051058)
[87] (WO2021/016722)
[30] US (62/881,873) 2019-08-01

[21] **3,149,010**
[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **T CELL RECEPTOR FOR IDENTIFYING SSX2 ANTIGEN SHORT PEPTIDE**
[54] **RECEPTEUR DE LYMPHOCYTES T RECONNAISSANT LE PEPTIDE COURT DE L'ANTIGENE SSX2**
[72] LI, YI, CN
[72] HU, JING, CN
[72] SUN, HANLI, CN
[71] XLIFESC, LTD., CN
[85] 2022-01-28
[86] 2019-07-30 (PCT/CN2019/098439)
[87] (WO2021/016887)

[21] **3,149,015**
[13] A1
[51] **Int.Cl. A62C 35/58 (2006.01) A62C 35/68 (2006.01) F16B 2/10 (2006.01)**
[25] EN
[54] **REVERSIBLE BRACKET**
[54] **SUPPORT REVERSIBLE**
[72] ROBERTS, CLANCY P., CA
[71] VICTAULIC COMPANY, US
[85] 2021-06-15
[86] 2019-12-04 (PCT/US2019/064435)
[87] (WO2020/131376)
[30] US (62/780,483) 2018-12-17

[21] **3,149,088**
[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01)**
[25] EN
[54] **DOWNHOLE FIBER OPTIC WET MATE CONNECTIONS**
[54] **CONNEXIONS OPTIQUES A ACCOUPLEMENT HUMIDE DE FIBRES DE FOND DE TROU**
[72] SIMONSEN, TORE, NO
[72] GRODEM, TORE, NO
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2022-01-28
[86] 2020-07-10 (PCT/US2020/041630)
[87] (WO2021/021418)
[30] US (16/529,624) 2019-08-01

[21] **3,149,089**
[13] A1
[51] **Int.Cl. A61M 39/02 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **PROTECTED PORTS AND CATHETERS**
[54] **PORTS MEDICAUX ET CATHETERS PROTEGES**
[72] DOBRILOVIC, NIKOLA, US
[71] DOBRILOVIC, NIKOLA, US
[85] 2022-01-28
[86] 2020-07-16 (PCT/US2020/042274)
[87] (WO2021/021454)
[30] US (16/524,625) 2019-07-29

[21] **3,149,090**
[13] A1
[51] **Int.Cl. A01N 25/28 (2006.01) A01N 43/707 (2006.01) A01N 47/12 (2006.01)**
[25] EN
[54] **IMPROVED BIOCIDE FORMULATIONS FOR THE PRESERVATION OF ANALYTE DETECTION SENSOR(S) AND METHOD(S) OF USE AND THEREOF**
[54] **FORMULATIONS DE BIOCIDE AMELIOREES POUR LA CONSERVATION D'UN CAPTEUR DE DETECTION D'ANALYTE (S) ET PROCEDE (S) D'UTILISATION ET DE CELLE-CI**
[72] NARAYAN, MURLI, US
[72] HORAN, KEVIN, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2022-01-28
[86] 2020-07-20 (PCT/US2020/042748)
[87] (WO2021/021477)
[30] US (62/880,990) 2019-07-31

[21] **3,149,091**
[13] A1
[51] **Int.Cl. E21B 12/02 (2006.01) E21B 47/107 (2012.01) E21B 44/00 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **DRILL BITS WITH INCORPORATED SENSING SYSTEMS**
[54] **TREPANS DOTES DE SYSTEMES DE DETECTION INTEGRES**
[72] ZHAN, GUODONG, SA
[72] GOONERATNE, CHINTHAKA PASAN, SA
[72] LI, BODONG, SA
[72] MOELLENDICK, TIMOTHY E., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2022-01-28
[86] 2020-07-24 (PCT/US2020/043407)
[87] (WO2021/021598)
[30] US (16/525,039) 2019-07-29

[21] **3,149,092**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **COMBINATION WAGER, USER INTERFACE FOR PARIMUTUEL SPORTS WAGERING DEVICES**
[54] **PARI COMBINE, INTERFACE UTILISATEUR POUR DISPOSITIFS DE PARIS SPORTIFS DE TYPE PARI MUTUEL**
[72] WILLIAMS, DAVID C., US
[72] MARTIN, CALVIN, US
[71] BETMIX LLC, US
[71] WILLIAMS, DAVID C., US
[71] MARTIN, CALVIN, US
[85] 2022-01-28
[86] 2020-07-27 (PCT/US2020/043707)
[87] (WO2021/021715)
[30] US (16/527,944) 2019-07-31

[21] **3,149,093**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-PVRIG ANTIBODIES FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS D'ANTICORPS ANTI-PVRIG ET LEURS UTILISATIONS**
[72] WHITE, MARK, IL
[72] ADEWOYE, ADEBOYE HENRY, IL
[72] BUCKLEY, MICHAEL, IL
[72] LU, JUN, IL
[72] HUNTER, JOHN, IL
[72] COHEN DAYAG, ANAT, IL
[71] COMPUGEN LTD., IL
[85] 2022-01-28
[86] 2020-07-28 (PCT/US2020/043921)
[87] (WO2021/021837)
[30] US (62/880,021) 2019-07-29
[30] US (62/893,051) 2019-08-28
[30] US (62/930,206) 2019-11-04
[30] US (62/968,660) 2020-01-31
[30] US (62/985,702) 2020-03-05
[30] US (63/009,367) 2020-04-13

[21] **3,149,094**
[13] A1
[51] **Int.Cl. C08K 5/00 (2006.01) C08J 3/20 (2006.01) C08K 5/134 (2006.01) C08K 5/3492 (2006.01) C08K 5/372 (2006.01) C08K 5/51 (2006.01) C08K 5/526 (2006.01) C08K 5/527 (2006.01) C08K 5/5393 (2006.01) C08L 23/00 (2006.01)**
[25] EN
[54] **STABILIZER COMPOSITION**
[54] **COMPOSITION STABILISANTE**
[72] CLIFF, NANCY N., US
[72] HUBER, GREGOR, CH
[72] FINNEGAN, GERARD R., US
[71] BASF SE, DE
[85] 2022-01-28
[86] 2020-07-29 (PCT/US2020/043977)
[87] (WO2021/021871)
[30] US (62/880,407) 2019-07-30

[21] **3,149,095**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN TREATING NEUROLOGICAL DISORDERS**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] BRUCELLE, FRANCOIS, US
[72] LEVELL, JULIAN R., US
[72] WILSON, JONATHAN E., US
[71] CONSTELLATION PHARMACEUTICALS, INC., US
[85] 2022-01-28
[86] 2020-07-29 (PCT/US2020/044014)
[87] (WO2021/021893)
[30] US (62/879,870) 2019-07-29

[21] **3,149,096**
[13] A1
[51] **Int.Cl. C07D 217/02 (2006.01) A61K 31/403 (2006.01) A61K 31/4035 (2006.01) C07D 209/02 (2006.01) C07D 209/44 (2006.01)**
[25] EN
[54] **HDAC6 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE HDAC6 ET LEURS UTILISATIONS**
[72] WAGNER, FLORENCE FEVRIER, US
[72] HOOKER, JACOB MATTHEW, US
[72] OUELLET, STEPHANE, US
[71] EIKONIZO THERAPAPEUTICS, INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044148)
[87] (WO2021/021979)
[30] US (62/880,284) 2019-07-30

[21] **3,149,097**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIFOCAL CANCER**
[54] **PROCEDES DE TRAITEMENT D'UN CANCER MULTIFOCAL**
[72] AVERBACK, PAUL, MC
[71] NYMOX CORPORATION, US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044209)
[87] (WO2021/022015)
[30] US (16/528,390) 2019-07-31

[21] **3,149,098**
[13] A1
[51] **Int.Cl. A45F 3/00 (2006.01) A45C 3/00 (2006.01) A45C 11/24 (2006.01) A45F 3/02 (2006.01) A45F 3/04 (2006.01)**
[25] EN
[54] **FRONT OPENING FLEXIBLE CONTAINER**
[54] **RECIPIENT SOUPLE A OUVERTURE AVANT**
[72] MEGGITT, RYDER MAGNUS IAIN, GB
[72] EARLE-MITCHELL, EILIDH ALEXANDRA, GB
[72] CAMPBELL, JONATHAN IAN, GB
[71] COOLSIDE LIMITED, GB
[85] 2022-01-18
[86] 2020-07-17 (PCT/GB2020/051721)
[87] (WO2021/014130)
[30] GB (1910361.3) 2019-07-19

[21] **3,149,099**
[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **ACOUSTIC ECHO CANCELLATION UNIT**
[54] **UNITE D'ANNULATION D'ECHO ACOUSTIQUE**
[72] WILD, MORITZ, DE
[72] HABETS, EMANUEL, DE
[72] MABANDE, EDWIN, DE
[72] MILANO, GUENDALINA, DE
[72] LUIS VALERO, MARIA, DE
[72] GOETZ, PHILIPP, DE
[72] WALTHER, ANDREAS, DE
[72] KUECH, FABIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-01-20
[86] 2020-07-22 (PCT/EP2020/070671)
[87] (WO2021/013885)
[30] EP (19187880.0) 2019-07-23

[21] **3,149,100**
[13] A1
[51] **Int.Cl. H05B 3/48 (2006.01)**
[25] EN
[54] **ELECTRIC HEATER**
[54] **APPAREIL DE CHAUFFAGE ELECTRIQUE**
[72] BOLZAN, IVANO, IT
[72] EUSEBIO, MARIO, IT
[72] ZANELLA, STEFANO, IT
[72] ZOPPAS, FEDERICO, IT
[71] I.R.C.A. S.P.A. INDUSTRIA RESISTENZE CORAZZATE E AFFINI, IT
[85] 2022-01-19
[86] 2020-07-27 (PCT/IB2020/057058)
[87] (WO2021/014432)
[30] IT (102019000012903) 2019-07-25

[21] **3,149,101**
[13] A1
[51] **Int.Cl. F16P 3/00 (2006.01) B23K 37/00 (2006.01) G08B 21/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO CONTROL SYSTEMS FOR USE WITH HOT WORK ENCLOSURES OR HABITATS**
[54] **PERFECTIONNEMENTS APPORTES OU ASSOCIES A DES SYSTEMES DE COMMANDE DESTINES A ETRE UTILISES AVEC DES ENCEINTES DE TRAVAIL A CHAUD OU DES HABITATS**
[72] LINTON, NEIL, GB
[71] SAFEHOUSE HABITATS (SCOTLAND) LIMITED, GB
[85] 2022-01-25
[86] 2020-07-24 (PCT/GB2020/051792)
[87] (WO2021/019223)
[30] GB (1910716.8) 2019-07-26

[21] **3,149,102**
[13] A1
[51] **Int.Cl. H04N 19/12 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01) H04N 19/61 (2014.01) H04N 19/70 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **SECONDARY TRANSFORM FOR VIDEO ENCODING AND DECODING**
[54] **TRANSFORMEE SECONDAIRE POUR CODAGE ET DECODAGE VIDEO**
[72] LE LEANNEC, FABRICE, FR
[72] NASER, KARAM, FR
[72] POIRIER, TANGI, FR
[72] GALPIN, FRANCK, FR
[71] INTERDIGITAL VC HOLDINGS FRANCE, SAS, FR
[85] 2022-01-28
[86] 2020-07-27 (PCT/EP2020/071151)
[87] (WO2021/023552)
[30] EP (19306007.6) 2019-08-06
[30] EP (19306174.4) 2019-09-23
[30] EP (19306182.7) 2019-09-24

[21] **3,149,104**
[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/285 (2006.01) A61K 33/36 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **MICROMOLECULE PI4KIIIA INHIBITOR COMPOSITION, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSITION D'INHIBITEUR DE PI4KIIIA MICROMOLECULAIRE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] HUANG, FUDE, CN
[72] WANG, FENG, CN
[72] YANG, SHU, CN
[72] JIAO, CHANGPING, CN
[72] ZHOU, XIAOJUN, CN
[71] NUO-BETA PHARMACEUTICAL TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2022-01-28
[86] 2020-07-06 (PCT/CN2020/100377)
[87] (WO2021/004422)
[30] CN (PCT/CN2019/094831) 2019-07-05

[21] **3,149,106**
[13] A1
[51] **Int.Cl. B25C 5/16 (2006.01) B25C 5/00 (2006.01) B25C 5/10 (2006.01) B25C 5/15 (2006.01) B25C 7/00 (2006.01) B27F 7/00 (2006.01) B27F 7/17 (2006.01)**
[25] EN
[54] **FASTENER CARRIER WITH DEPTH LIMITER**
[54] **DISPOSITIF PORTEUR D'ELEMENT DE FIXATION AVEC LIMITEUR DE PROFONDEUR**
[72] KEISTER, MICHAEL, US
[72] KEISTER, RICHARD A., US
[71] CHICAGO DISPLAY COMPANY D/B/A CHICAGO DISPLAY MARKETING CORPORATION, US
[85] 2022-01-21
[86] 2019-05-23 (PCT/US2019/033712)
[87] (WO2020/027900)
[30] US (16/051,174) 2018-07-31

[21] **3,149,107**
[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61P 25/28 (2006.01) C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **USE OF TPK AS A TARGET IN ALZHEIMER'S DISEASE**
[54] **APPLICATION DE LA TPK EN TANT QUE CIBLE DANS LA MALADIE D'ALZHEIMER**
[72] ZHONG, CHUNJIU, CN
[72] SANG, SHAOMING, CN
[71] SHANGHAI RAISING PHARMACEUTICAL CO., LTD., CN
[85] 2022-01-28
[86] 2020-07-29 (PCT/CN2020/105353)
[87] (WO2021/023069)
[30] CN (201910711540.3) 2019-08-02
[30] CN (202010038537.2) 2020-01-14

[21] **3,149,108**
[13] A1
[51] **Int.Cl. F03D 17/00 (2016.01) F03D 80/40 (2016.01)**
[25] EN
[54] **INSPECTING WIND TURBINE BLADE**
[54] **INSPECTION DE PALE D'EOLIENNE**
[72] SPANDLEY, LUKE, GB
[72] ROGERS, DARREN, GB
[72] WOOD, ARRAN, GB
[72] BADGER, PAUL, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2022-01-28
[86] 2020-07-27 (PCT/DK2020/050219)
[87] (WO2021/023350)
[30] DK (PA 2019 70493) 2019-08-02

[21] **3,149,109**
[13] A1
[51] **Int.Cl. H05K 1/02 (2006.01) H05K 1/14 (2006.01) H05K 3/00 (2006.01)**
[25] EN
[54] **CIRCUIT BOARD ASSEMBLY**
[54] **ENSEMBLE CARTE DE CIRCUIT IMPRIME**
[72] KINGHORN, ANTHONY, GB
[72] THOMPSON, PAUL, GB
[72] DUGAN, MICHAEL, GB
[71] LEONARDO UK LTD, GB
[85] 2022-01-28
[86] 2020-07-28 (PCT/EP2020/071252)
[87] (WO2021/018885)
[30] GB (1910805.9) 2019-07-29

[21] **3,149,111**
[13] A1
[51] **Int.Cl. C25B 9/63 (2021.01) C25B 9/19 (2021.01) C25B 1/04 (2021.01)**
[25] EN
[54] **ELECTROLYSIS CELL AND METHOD FOR PRODUCING THE ELECTROLYSIS CELL**
[54] **CELLULE D'ELECTROLYSE ET PROCEDE DE PRODUCTION DE LA CELLULE D'ELECTROLYSE**
[72] PLOBNER, ROLAND, DE
[72] SPIES, ALEXANDER, DE
[72] STRAUB, JOCHEN, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2022-01-28
[86] 2020-06-10 (PCT/EP2020/066091)
[87] (WO2021/018459)
[30] EP (19189067.2) 2019-07-30

[21] **3,149,112**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01)**
[25] EN
[54] **NOVEL THERAPEUTIC USE**
[54] **NOUVELLE UTILISATION THERAPEUTIQUE**
[72] ROBINSON, HELEN MARIE RUTH, GB
[72] SMITH, GRAEME CAMERON MURRAY, GB
[72] LORD, CHRISTOPHER JAMES, GB
[72] ZATREANU, DIANA, GB
[71] ARTIOS PHARMA LIMITED, GB
[85] 2022-01-28
[86] 2019-08-09 (PCT/GB2019/052243)
[87] (WO2021/028644)

[21] **3,149,113**
[13] A1
[51] **Int.Cl. E04H 5/06 (2006.01)**
[25] EN
[54] **COVER WITH ADJUSTABLE WIDTH**
[54] **COUVERCLE A LARGEUR REGLABLE**
[72] BLACK, JOHN ALEXANDER, GB
[72] BLACK, ROBERT DAVID, GB
[71] OXFORD SAFETY COMPONENTS LIMITED, GB
[85] 2022-01-28
[86] 2020-07-13 (PCT/GB2020/051682)
[87] (WO2021/019203)
[30] GB (1910947.9) 2019-07-31

[21] **3,149,114**
[13] A1
[51] **Int.Cl. E21B 45/00 (2006.01) E21B 47/002 (2012.01) E21B 47/07 (2012.01) E21B 44/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SENSOR ARRANGEMENT**
[54] **AGENCEMENT DE CAPTEURS**
[72] TILL, LAWRENCE, GB
[72] BOURNE, SUZANNAH, GB
[71] NEMEIN LIMITED, GB
[85] 2022-01-28
[86] 2020-07-28 (PCT/EP2020/071318)
[87] (WO2021/023586)
[30] GB (1911344.8) 2019-08-08

[21] **3,149,116**
[13] A1
[51] **Int.Cl. C05G 5/12 (2020.01) C05G 5/30 (2020.01) C05D 1/02 (2006.01)**
[25] EN
[54] **POLYHALITE COMPOSITE FERTILISER PELLET**
[54] **GRANULE D'ENGRAIS COMPOSITE DE POLYHALITE**
[72] LEWIS, TIMOTHY DAVID, GB
[72] MEAKIN, ROBERT JOHN, GB
[71] YORK POTASH LTD, GB
[85] 2022-01-28
[86] 2020-07-29 (PCT/GB2020/051815)
[87] (WO2021/019237)
[30] GB (1910866.1) 2019-07-30

[21] **3,149,117**
[13] A1
[51] **Int.Cl. A21D 13/062 (2017.01) A21D 13/066 (2017.01) A21D 2/18 (2006.01) A21D 2/26 (2006.01) A21D 2/36 (2006.01) A21D 10/00 (2006.01) A21D 13/02 (2006.01) A21D 13/04 (2017.01) A21D 13/06 (2017.01)**
[25] EN
[54] **FOOD PRODUCT COMPRISING A MUCILAGINOUS HYDROCOLLOID**
[54] **PRODUIT ALIMENTAIRE COMPRENANT UN HYDROCOLLOIDE MUCILAGINEUX**
[72] WALES, ROBERT, GB
[72] HOLDEN, BEN, GB
[71] LO-DOUGH LIMITED, GB
[85] 2022-01-28
[86] 2020-07-31 (PCT/GB2020/051843)
[87] (WO2021/019252)
[30] GB (1910913.1) 2019-07-31

[21] **3,149,118**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING CONSTRAINTS OF A NON-GEOSTATIONARY SYSTEM WITH RESPECT TO ANOTHER NON-GEOSTATIONARY SYSTEM**
[54] **PROCEDE DE DETERMINATION DES CONTRAINTES D'UN SYSTEME NON-GEOSTATIONNAIRE VIS-A-VIS D'UN AUTRE SYSTEME NON-GEOSTATIONNAIRE**
[72] LEVY, JEAN-CHRISTOPHE, FR
[72] GUERIN, ARNAUD, FR
[72] GUERIN, ALEXANDRE, FR
[71] THALES, FR
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071339)
[87] (WO2021/018932)
[30] FR (FR1908699) 2019-07-31
[30] FR (FR2004048) 2020-04-23

[21] **3,149,119**
[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **DEUTERATED COMPOUNDS FOR USE IN THE TREATMENT OF CANCER**
[54] **COMPOSES DEUTERES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DU CANCER**
[72] BLENCOWE, PETER, GB
[72] CHARLES, MARK, GB
[72] EKWURU, TENNYSON, GB
[72] FINCH, HARRY, GB
[72] MCCARRON, HOLLIE, GB
[72] HEALD, ROBERT, GB
[72] STOCKLEY, MARTIN, GB
[71] ARTIOS PHARMA LIMITED, GB
[85] 2022-01-28
[86] 2020-08-10 (PCT/GB2020/051901)
[87] (WO2021/028670)
[30] GB (PCT/GB2019/052240) 2019-08-09
[30] GB (1917863.1) 2019-12-06

[21] **3,149,120**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/353 (2006.01) A61K 31/357 (2006.01) A61K 31/56 (2006.01) A61K 31/702 (2006.01) A61K 36/23 (2006.01) A61K 36/28 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **TREATMENT OF SEBACEOUS GLAND DISORDERS**
[54] **TRAITEMENT DE TROUBLES DES GLANDES SEBACEES**
[72] VERBAKEL, JOOST, NL
[72] ROZENBLAT, SHARON, NL
[71] ECHO PHARMACEUTICALS B.V., NL
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071341)
[87] (WO2021/018934)
[30] EP (19188766.0) 2019-07-29

[21] **3,149,121**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/353 (2006.01) A61K 31/357 (2006.01) A61K 31/56 (2006.01) A61K 31/702 (2006.01) A61K 36/23 (2006.01) A61K 36/28 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **TREATMENT OF INFLAMMATORY SKIN CONDITIONS**
[54] **TRAITEMENT D'AFFECTIONS CUTANEES INFLAMMATOIRES**
[72] VERBAKEL, JOOST, NL
[72] ROZENBLAT, SHARON, NL
[71] ECHO PHARMACEUTICALS B.V., NL
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071345)
[87] (WO2021/018936)
[30] EP (19188768.6) 2019-07-29

[21] **3,149,122**
[13] A1
[51] **Int.Cl. F28D 20/00 (2006.01)**
[25] EN
[54] **HEAT STORAGE DEVICE, HEAT STORAGE SYSTEM, AND METHOD FOR OPERATING A HEAT STORAGE DEVICE**
[54] **DISPOSITIF DE STOCKAGE DE CHALEUR, SYSTEME DE STOCKAGE DE CHALEUR ET PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF DE STOCKAGE DE CHALEUR**
[72] DOERBECK, TILL, DE
[71] KRAFTANLAGEN MUNCHEN GMBH, DE
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071373)
[87] (WO2021/018949)
[30] DE (10 2019 120 448.8) 2019-07-29

[21] **3,149,125**
[13] A1
[51] **Int.Cl. B65B 11/00 (2006.01) B65B 5/02 (2006.01) B65B 11/08 (2006.01) B65B 11/28 (2006.01) B65B 21/24 (2006.01) B65B 43/10 (2006.01) B65B 49/14 (2006.01) B65B 59/00 (2006.01)**
[25] EN
[54] **PACKAGING APPARATUS FOR SECONDARY PACKAGES**
[54] **APPAREIL D'EMBALLAGE POUR DES EMBALLAGES SECONDAIRES**
[72] DUPERRAY, PHILIPPE, FR
[72] DEKOCKER, WIM, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071379)
[87] (WO2021/018952)
[30] EP (19189079.7) 2019-07-30
[30] EP (19219726.7) 2019-12-26

[21] **3,149,126**
[13] A1
[51] **Int.Cl. B28C 5/48 (2006.01) B28C 5/12 (2006.01) B28C 7/02 (2006.01) B28C 7/04 (2006.01)**
[25] EN
[54] **CEMENT PREMIXER, A DEVICE FOR PRODUCING A CONCRETE MIXTURE AND A METHOD FOR PRODUCING A CEMENT SUSPENSION**
[54] **PRE-MELANGEUR DE CIMENT, DISPOSITIF DE PRODUCTION D'UN MELANGE DE BETON ET PROCEDE DE PRODUCTION D'UNE SUSPENSION DE CIMENT**
[72] ROSLER, CHRISTIANE, DE
[72] REMUS, RICARDO, DE
[71] SONOCRETE GMBH, DE
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071412)
[87] (WO2021/023598)
[30] DE (10 2019 120 939.0) 2019-08-02

[21] **3,149,127**
[13] A1
[51] **Int.Cl. B65D 83/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPENSING LIQUIDS**
[54] **SYSTEME ET PROCEDE POUR DISTRIBUER DES LIQUIDES**
[72] GIAMPUZZI, PAOLO ANTON, CA
[72] BARAK, ELAD, CA
[71] VOYAGER PRODUCTS INC., CA
[85] 2022-01-28
[86] 2020-07-30 (PCT/IB2020/000650)
[87] (WO2021/019304)

[21] **3,149,128**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4164 (2006.01) A61K 31/4178 (2006.01) A61K 39/00 (2006.01) A61K 39/39 (2006.01) C07D 233/06 (2006.01) C07D 233/20 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHODS FOR THE TREATMENT OF ANAL AND RECTAL DISORDERS**
[54] **COMPOSITION ET PROCEDES POUR LE TRAITEMENT DE TROUBLES ANAUX ET RECTAUX**
[72] KANDULA, MAHESH, IN
[71] CELLIX BIO PRIVATE LIMITED, IN
[85] 2022-01-28
[86] 2020-07-16 (PCT/IB2020/056687)
[87] (WO2021/019350)
[30] IN (201941030819) 2019-07-30

[21] **3,149,130**
[13] A1
[51] **Int.Cl. A61K 31/198 (2006.01) A23K 20/10 (2016.01) A23K 20/111 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 40/10 (2016.01) A23K 50/30 (2016.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A23L 33/175 (2016.01) A61K 9/16 (2006.01) A61K 31/05 (2006.01) A61K 31/085 (2006.01) A61K 31/165 (2006.01) A61K 31/405 (2006.01) A61K 31/7016 (2006.01) A61K 47/14 (2017.01) A61K 47/44 (2017.01) A61P 3/02 (2006.01)**
[25] EN
[54] **MULTIPARTICULATE MICROPARTICLE CONTROLLED RELEASE FORMULATION COMPRISING COMBINATION OF AMINO ACIDS AND PHYTOCOMPOUND**
[54] **FORMULATION MULTIPARTICULAIRE A LIBERATION CONTROLEE DE MICROPARTICULES COMPRENANT UNE COMBINAISON D'ACIDES AMINES ET DE PHYTOCOMPOSE**
[72] PIVA, ANDREA, IT
[71] VETAGRO INTERNATIONAL S.R.L., IT
[85] 2022-01-28
[86] 2020-07-31 (PCT/IB2020/057255)
[87] (WO2021/019506)
[30] IT (102019000013473) 2019-07-31

[21] **3,149,131**
[13] A1
[51] **Int.Cl. C07H 7/04 (2006.01) A61P 3/10 (2006.01) C07H 1/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING THE CRYSTALLINE FORM II OF SOTAGLIFLOZIN**
[54] **PROCEDE DE PREPARATION DE LA FORME CRISTALLINE II DE LA SOTAGLIFLOZINE**
[72] BUREL, BRUNO, FR
[72] CEZERAC, JEROME, FR
[72] DUTHEIL, STEPHANE, FR
[72] ETIENNE, MARTIAL, FR
[72] FLACHER, RICHARD, FR
[72] NOBREGA, ANTONIO, FR
[71] LEXICON PHARMACEUTICALS, INC., US
[85] 2022-01-28
[86] 2020-07-31 (PCT/IB2020/057257)
[87] (WO2021/019507)
[30] EP (19305999.5) 2019-08-01

[21] **3,149,132**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **INJECTION DEVICE WITH ERGONOMIC HOUSING FORM FACTOR**
[54] **DISPOSITIF D'INJECTION A FACTEUR DE FORME DE BOITIER ERGONOMIQUE**
[72] KRULEVITCH, PETER, US
[72] CANNAMELA, MICHAEL, US
[72] FOLEY, NICK, GB
[72] MCLUSKY, JAMES, GB
[72] MOWER, JIMMY, GB
[72] MARTIN, SCOTT, GB
[72] GLENCROSS, JAMES, GB
[71] JANSSEN PHARMACEUTICALS, INC., US
[85] 2022-01-28
[86] 2020-07-28 (PCT/IB2020/057115)
[87] (WO2021/019443)
[30] US (62/880,838) 2019-07-31

[21] **3,149,133**
[13] A1
[51] **Int.Cl. C07H 7/04 (2006.01) A61P 3/10 (2006.01) C07H 1/06 (2006.01)**
[25] EN
[54] **CONTINUOUS PROCESS FOR PREPARING THE CRYSTALLINE FORM II OF SOTAGLIFLOZIN**
[54] **PROCEDE CONTINU POUR LA PREPARATION D'UNE FORME CRISTALLINE II DE SOTAGLIFLOZINE**
[72] BUREL, BRUNO, FR
[72] CEZERAC, JEROME, FR
[72] DUTHEIL, STEPHANE, FR
[72] ETIENNE, MARTIAL, FR
[72] FLACHER, RICHARD, FR
[72] NOBREGA, ANTONIO, FR
[71] LEXICON PHARMACEUTICALS, INC., US
[85] 2022-01-28
[86] 2020-07-31 (PCT/IB2020/057262)
[87] (WO2021/019509)
[30] EP (19305998.7) 2019-08-01

[21] **3,149,134**
[13] A1
[51] **Int.Cl. A23K 20/142 (2016.01) A23K 20/10 (2016.01) A23K 20/111 (2016.01) A23K 20/158 (2016.01) A23K 40/10 (2016.01) A23K 50/70 (2016.01) A23K 50/80 (2016.01) A23L 33/105 (2016.01) A23L 33/175 (2016.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61K 31/198 (2006.01) A61K 31/405 (2006.01) A61K 47/44 (2017.01) A61P 1/04 (2006.01) A61P 1/12 (2006.01) A61P 3/02 (2006.01) A61P 21/06 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 33/00 (2006.01)**
[25] EN
[54] **GRANULAR COMPOSITION COMPRISING AMINO ACIDS AND PHYTOCOMPOUNDS EMBEDDED IN A LIPID MATRIX FOR NON-MAMMALIAN MONOGASTRIC ANIMALS AND USE THEREOF**
[54] **COMPOSITION GRANULAIRE COMPRENANT DES ACIDES AMINES ET DES PHYTOCOMPOSES INCORPORES DANS UNE MATRICE LIPIDIQUE POUR ANIMAUX MONOGASTRIQUES NON MAMMALIENS ET LEUR UTILISATION**
[72] PIVA, ANDREA, IT
[71] VETAGRO INTERNATIONAL S.R.L., IT
[85] 2022-01-28
[86] 2020-07-31 (PCT/IB2020/057268)
[87] (WO2021/019510)
[30] IT (102019000013449) 2019-07-31

[21] **3,149,135**
[13] A1
[51] **Int.Cl. B65H 3/44 (2006.01) B65H 5/26 (2006.01)**
[25] EN
[54] **DENESTING APPARATUS**
[54] **APPAREIL DE DESEMPILAGE**
[72] DUPERRAY, PHILIPPE, FR
[72] DEKOCKER, WIM, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071431)
[87] (WO2021/018979)
[30] EP (19189073.0) 2019-07-30
[30] EP (19219765.5) 2019-12-27

[21] **3,149,136**
[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **LINKING INTERFACE BETWEEN A RACKET SPORTS PLAYER AND A STRINGER**
[54] **INTERFACE DE MISE EN RELATION ENTRE UN JOUEUR DE SPORT DE RAQUETTE ET UN CORDEUR**
[72] MENNEGLIER, JEAN-MATHIEU, FR
[71] MASTERS STRINGERS, FR
[85] 2022-01-28
[86] 2020-07-30 (PCT/EP2020/071496)
[87] (WO2021/019011)
[30] FR (FR1908667) 2019-07-30

[21] **3,149,137**
[13] A1
[51] **Int.Cl. C07D 231/20 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **PROCESS AND INTERMEDIATES FOR THE PREPARATION OF PYROXASULFONE**
[54] **PROCEDE ET INTERMEDIAIRES POUR LA PREPARATION DE PYROXASULFONE**
[72] BARDA, YANIV, IL
[72] MANDABI, AVIAD, IL
[72] RECSEI, CARL, IL
[71] ADAMA AGAN LTD., IL
[85] 2022-01-28
[86] 2020-07-29 (PCT/IL2020/050836)
[87] (WO2021/019537)
[30] US (62/880,127) 2019-07-30

[21] **3,149,138**
[13] A1
[51] **Int.Cl. B66C 23/20 (2006.01) F03D 13/10 (2016.01) F03D 13/20 (2016.01) B66C 1/10 (2006.01) E04H 12/16 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **ASSEMBLY CROSSBEAM AND METHOD FOR DRAWING IN CABLE-LIKE ELEMENTS, IN PARTICULAR TENDONS, ALONG A TOWER OF A WIND TURBINE**
[54] **TRAVERSE D'ASSEMBLAGE ET PROCEDE D'ETIRAGE D'ELEMENTS DE TYPE CABLE, EN PARTICULIER DE TENDONS, LE LONG D'UNE TOUR D'UNE EOLIENNE**
[72] COORDES, THOMAS, DE
[72] FLESSNER, GUNTER, DE
[72] SZELAG, MICHAEL, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2022-01-28
[86] 2020-08-11 (PCT/EP2020/072520)
[87] (WO2021/028441)
[30] DE (10 2019 122 021.1) 2019-08-15

[21] **3,149,139**
[13] A1
[51] **Int.Cl. G01N 21/95 (2006.01) G06Q 30/02 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENHANCED EVALUATION OF PRE-OWNED ELECTRONIC DEVICES AND PROVISION OF RELATED SERVICES**
[54] **SYSTEMES ET PROCEDES D'EVALUATION AMELIOREE DE DISPOSITIFS ELECTRONIQUES D'OCCASION ET DE FOURNITURE DE SERVICES ASSOCIES**
[72] DION, DOMINIQUE, CA
[72] MASTRONARDI, TONY, CA
[71] A LA CARTE MEDIA, INC., CA
[85] 2022-01-28
[86] 2019-07-31 (PCT/IB2019/056533)
[87] (WO2021/019286)

[21] **3,149,143**
[13] A1
[51] **Int.Cl. A42B 3/28 (2006.01) A41D 13/12 (2006.01) A42B 3/22 (2006.01)**
[25] EN
[54] **PERSONAL PROTECTION SYSTEM INCLUDING MEDICAL GARMENT WITH A SHIELD**
[54] **SYSTEME DE PROTECTION PERSONNELLE COMPRENANT UN VETEMENT MEDICAL AVEC UN ECRAN**
[72] ISHAM, STEPHEN, US
[72] EDINGER, BENJAMIN, US
[72] CHIU, WEI JIAN, US
[71] STRYKER CORPORATION, US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044216)
[87] (WO2021/022018)
[30] US (16/528,018) 2019-07-31
[30] US (62/897,954) 2019-09-09
[30] US (62/906,330) 2019-09-26

[21] **3,149,144**
[13] A1
[51] **Int.Cl. B62K 25/02 (2006.01) B62M 6/65 (2010.01) B60B 27/02 (2006.01)**
[25] EN
[54] **BICYCLE WHEEL SUSPENSION FOR A BICYCLE**
[54] **SUSPENSION DE ROUE POUR UNE BICYCLETTE**
[72] SAMMULLER, HERBERT, DE
[72] PIELE, THEODOR, DE
[71] FAZUA GMBH, DE
[85] 2022-01-28
[86] 2020-08-11 (PCT/EP2020/072538)
[87] (WO2021/028444)
[30] DE (10 2019 121 855.1) 2019-08-14

[21] **3,149,145**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12Q 1/6881 (2018.01) C12N 5/00 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **ANTIGEN-SPECIFIC T CELL BANKS AND METHODS OF MAKING AND USING THE SAME THERAPEUTICALLY**
[54] **BANQUES DE LYMPHOCYTES T SPECIFIQUES DE L'ANTIGENE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION THERAPEUTIQUE**
[72] VERA VALDES, JUAN FERNANDO, US
[72] LEEN, ANN MARIE, US
[72] TZANNOU, IFIGENEIA, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2022-01-28
[86] 2020-07-29 (PCT/US2020/044080)
[87] (WO2021/021937)
[30] US (62/880,006) 2019-07-29
[30] US (62/887,802) 2019-08-16
[30] US (63/054,161) 2020-07-20

[21] **3,149,146**
[13] A1
[51] **Int.Cl. F24C 1/00 (2006.01) F24C 7/04 (2021.01)**
[25] EN
[54] **HEATING COOKING APPARATUS**
[54] **CUISEUR CHAUFFANT**
[72] NISHIJIMA, MASAHIRO, JP
[72] IWAMOTO, MASAYUKI, JP
[72] ASAMI, SHINJI, JP
[72] OOTANI, TSUYOSHI, JP
[72] SUENAGA, HIROMI, JP
[72] KITAURA, TOMOHIRO, JP
[72] SHINOHARA, YU, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2022-01-28
[86] 2020-03-16 (PCT/JP2020/011445)
[87] (WO2021/019825)
[30] JP (2019-141447) 2019-07-31

[21] **3,149,148**
[13] A1
[51] **Int.Cl. H01M 4/92 (2006.01) B01J 23/42 (2006.01) B01J 23/89 (2006.01) C01B 32/05 (2017.01) C01G 55/00 (2006.01)**
[25] EN
[54] **METAL-SUPPORTED CATALYST, BATTERY ELECTRODE, AND BATTERY**
[54] **CATALYSEUR A METAL SUPPORTE, ELECTRODE DE BATTERIE ET BATTERIE**
[72] KOBAYASHI, YOSHIKAZU, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] ISHIZUKA, TAKUYA, JP
[72] ISAKA, TAKUYA, JP
[72] MEGURO, MIKI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2022-01-28
[86] 2020-07-02 (PCT/JP2020/026044)
[87] (WO2021/024657)
[30] JP (2019-143405) 2019-08-02

[21] **3,149,149**
[13] A1
[51] **Int.Cl. H01M 4/92 (2006.01) B01J 23/42 (2006.01) B01J 27/24 (2006.01)**
[25] EN
[54] **METAL SUPPORTED CATALYST, BATTERY ELECTRODE, AND BATTERY**
[54] **CATALYSEUR SUR SUPPORT METAL, ELECTRODE DE BATTERIE ET BATTERIE**
[72] KUBOTA, YUJI, JP
[72] FUJIMOTO, AYAKA, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] ISHIZUKA, TAKUYA, JP
[72] ISAKA, TAKUYA, JP
[72] MEGURO, MIKI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2022-01-28
[86] 2020-07-02 (PCT/JP2020/026045)
[87] (WO2021/024658)
[30] JP (2019-143406) 2019-08-02

[21] **3,149,152**
[13] A1
[51] **Int.Cl. A61P 25/36 (2006.01) C07C 229/38 (2006.01) C07D 221/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF ENHANCING OPIOID RECEPTOR ENGAGEMENT BY OPIOID HEXADIENOATES AND OPTIONALLY SUBSTITUTED HEXADIENOATES**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA MOBILISATION DE RECEPTEUR OPIOIDE PAR DES HEXADIENOATES D'OPIOIDES ET DES HEXADIENOATES EVENTUELLEMENT SUBSTITUES**
[72] NIKONOV, GEORGIY, US
[72] ISAKULYAN, LEVON, US
[72] VORONKOV, MICHAEL V., US
[71] KAPPA-PHARMA LLC, US
[85] 2022-01-28
[86] 2020-03-07 (PCT/US2020/021599)
[87] (WO2021/029914)
[30] US (62/885,311) 2019-08-11
[30] US (16/540,058) 2019-08-14

[21] **3,149,156**
[13] A1
[51] **Int.Cl. F24C 7/02 (2006.01) A47B 77/08 (2006.01) F24C 15/02 (2006.01) F24C 15/16 (2006.01) F24C 15/30 (2006.01) H05B 6/72 (2006.01)**
[25] EN
[54] **HEATING COOKING APPARATUS**
[54] **CUISEUR CHAUFFANT**
[72] OOTANI, TSUYOSHI, JP
[72] NISHIJIMA, MASAHIRO, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2022-01-28
[86] 2020-07-27 (PCT/JP2020/028700)
[87] (WO2021/020343)
[30] JP (2019-141451) 2019-07-31

[21] **3,149,158**
[13] A1
[51] **Int.Cl. A61K 31/138 (2006.01) A61K 31/353 (2006.01) A61K 31/37 (2006.01) A61P 25/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **KV1.3 ANTAGONISTS FOR USE IN THE TREATMENT OF CHRONIC AND ACUTE PAIN**
[54] **ANTAGONISTES DU KV1.3 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA DOULEUR CHRONIQUE ET AIGUE**
[72] DOS SANTOS BALTAZAR DE LIMA, PEDRO AFONSO, PT
[72] SZWARC DOS SANTOS, BEATRIZ, PT
[72] MACO ABREU, ANA ROSA, PT
[72] PINHEIRO BASTOS, ANDRE EMANUEL, PT
[72] LOPES DE SOUSA, MARISA ISABEL, PT
[72] MONTEIRO SERRAO, JOANA MARIA, PT
[72] DA SILVEIRA MAXIMO, PATRICIA ISABEL, PT
[72] FERREIRA DA COSTA LOURENCO, ANA MARIA, PT
[72] SEGAO MONDRAGAO, MIGUEL ANGELO, PT
[71] SEA4US - BIOTECNOLOGIA E RECURSOS MARINHOS, LDA., PT
[85] 2022-01-26
[86] 2020-07-22 (PCT/IB2020/056918)
[87] (WO2021/019375)
[30] PT (115686) 2019-07-31

[21] **3,149,160**
[13] A1
[51] **Int.Cl. F24C 1/00 (2006.01) F24C 15/32 (2006.01)**
[25] EN
[54] **HEATING COOKING APPARATUS**
[54] **CUISEUR CHAUFFANT**
[72] SUENAGA, HIROMI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2022-01-28
[86] 2020-07-28 (PCT/JP2020/028884)
[87] (WO2021/020390)
[30] JP (2019-141446) 2019-07-31

[21] **3,149,161**
[13] A1
[51] **Int.Cl. C12N 15/54 (2006.01) A01H 6/14 (2018.01) A01H 6/30 (2018.01) A01H 6/56 (2018.01) A01H 6/74 (2018.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 9/10 (2006.01) C12N 15/53 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **BUCKWHEAT-DERIVED C-GLYCOSYLTRANSFERASE GENE AND UTILIZATION THEREOF**
[54] **GENE C-GLYCOSYLTRANSFERASE DERIVE DU SARRASIN ET SON UTILISATION**
[72] NAKAMURA, NORIKO, JP
[72] OKITSU, NAOKO, JP
[72] KATSUMOTO, YUKIHISA, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2022-01-28
[86] 2020-09-25 (PCT/JP2020/036451)
[87] (WO2021/065749)
[30] JP (2019-181693) 2019-10-01

[21] **3,149,169**
[13] A1
[25] EN
[54] **APPLICATION OF TANNIC ACID IN PREPARATION OF MEDICAMENT AGAINST RESPIRATORY VIRUSES**
[54]
[72] FU, JUN, CN
[71] SUNTRAP LIFE TECHNOLOGIES LTD., CN
[85] 2022-02-11
[86] 2020-09-10 (PCT/CN2020/114432)
[87] (3149169)
[30] CN (202010826586.2) 2020-08-17

[21] **3,149,175**
[13] A1
[51] **Int.Cl. A61K 31/341 (2006.01) A61P 3/10 (2006.01) A61P 25/02 (2006.01) A61P 37/00 (2006.01) C07D 407/06 (2006.01) C07D 407/14 (2006.01)**
[25] EN
[54] **NITENIN ANALOGUE COMPOUNDS AND THEIR USE IN THE TREATMENT OF CHRONIC AND ACUTE PAIN**
[54] **COMPOSES ANALOGUES DE NITENINE ET LEUR UTILISATION DANS LE TRAITEMENT DE LA DOULEUR CHRONIQUE ET AIGUE**
[72] DOS SANTOS BALTAZAR DE LIMA, PEDRO AFONSO, PT
[72] SZWARC DOS SANTOS, BEATRIZ, PT
[72] MACO ABREU, ANA ROSA, PT
[72] PINHEIRO BASTOS, ANDRE EMANUEL, PT
[72] GOMES, RUI, PT
[72] LOPES DE SOUSA, MARISA ISABEL, PT
[72] MONTEIRO SERRAO, JOANA MARIA, PT
[72] PENA LINO, SILVIA PATRICIA, PT
[72] DA SILVEIRA MAXIMO, PATRICIA ISABEL, PT
[72] PINTO FERREIRA, LUISA MARIA, PT
[72] DE SERIO BRANCO, PAULA CRISTINA, PT
[72] SOVELA MOURAO, HENRIQUE, PT
[72] ROSADO SABINO, VANESSA ALEXANDRA, PT
[72] HIM TONG, MING, GB
[72] CLAUDETREMBLEAU, LAURENT ALAIN, GB
[72] FERREIRA DA COSTA LOURENCO, ANA MARIA, PT
[72] SEGAO MONDRAGAO, MIGUEL ANGELO, PT
[71] SEA4US - BIOTECNOLOGIA E RECURSOS MARINHOS, LDA., PT
[85] 2022-01-26
[86] 2020-07-22 (PCT/IB2020/056915)
[87] (WO2021/019373)
[30] PT (115685) 2019-07-31

[21] **3,149,176**
[13] A1
[51] **Int.Cl. C07D 231/14 (2006.01) C07C 231/02 (2006.01) C07C 237/40 (2006.01)**
[25] EN
[54] **PROCESS-SCALE SYNTHESIS OF A PLASMA KALLIKREIN INHIBITOR**
[54] **SYNTHESE A L'ECHELLE DU PROCESSUS D'UN INHIBITEUR DE LA KALLICREINE PLASMATIQUE**
[72] EL-KATTAN, YAHYA, US
[72] BABU, YARLAGADDA S., US
[71] BIOCRYST PHARMACEUTICALS, INC., US
[85] 2022-01-26
[86] 2020-08-05 (PCT/US2020/044921)
[87] (WO2021/026182)
[30] US (62/883,396) 2019-08-06

[21] **3,149,178**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) B25J 15/00 (2006.01) B25J 15/02 (2006.01) B25J 15/06 (2006.01) B25J 19/00 (2006.01) B65G 1/04 (2006.01) B65G 1/06 (2006.01) B65G 47/91 (2006.01)**
[25] EN
[54] **STORAGE SYSTEMS AND METHODS FOR ROBOTIC PICKING**
[54] **SYSTEMES DE STOCKAGE ET PROCEDES DE PREHENSION ROBOTIQUE**
[72] KALOUCHE, SIMON, US
[71] NIMBLE ROBOTICS, INC., US
[85] 2022-01-25
[86] 2020-07-28 (PCT/US2020/043873)
[87] (WO2021/021807)
[30] US (62/879,843) 2019-07-29
[30] US (62/961,390) 2020-01-15
[30] US (16/804,251) 2020-02-28

[21] **3,149,180**
[13] A1
[51] **Int.Cl. A01N 63/00 (2020.01) A01H 5/00 (2018.01) A01N 25/00 (2006.01) C12N 1/20 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR IMPROVING SOYBEAN YIELD**
[54] **PROCEDES ET COMPOSITIONS POUR AMELIORER LE RENDEMENT DE SOJA**
[72] MCFATRICH, CHARLES MICHAEL, US
[72] KEROVUO, JANNE, US
[71] NEWLEAF SYMBIOTICS, INC., US
[85] 2022-01-28
[86] 2020-05-22 (PCT/US2020/034235)
[87] (WO2021/025751)
[30] US (62/884,423) 2019-08-08

[21] **3,149,182**
[13] A1
[51] **Int.Cl. A61K 31/4375 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **THERAPEUTIC FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS THERAPEUTIQUES ET LEURS UTILISATIONS**
[72] PAUL, DHARAM, AU
[72] CROSSMAN, JULIA, AU
[72] DOOLIN, ELIZABETH, AU
[72] REYNOLDS, TOM, US
[72] WU, XIANGMING, US
[72] MILLAN, JEFF, US
[72] STUMPFIG, THOMAS, US
[72] DOWNING, KRISTIE, US
[71] CIPO, CA
[71] BIONOMICS LIMITED, AU
[85] 2022-02-23
[86] 2020-02-17 (PCT/AU2020/050132)
[87] (WO2021/056048)
[30] US (62/904,162) 2019-09-23

[21] **3,149,185**
[13] A1
[51] **Int.Cl. D21H 19/82 (2006.01) D21H 17/16 (2006.01) D21H 19/20 (2006.01) D21H 19/44 (2006.01) D21H 19/56 (2006.01) D21H 19/58 (2006.01) D21H 19/62 (2006.01)**
[25] EN
[54] **COMPOSTABLE PAPERBOARD STRUCTURE AND METHOD FOR MANUFACTURING THE SAME**
[54] **STRUCTURE EN CARTON COMPOSTABLE ET SON PROCEDE DE FABRICATION**
[72] YANG, CHITAI C., US
[72] BHARDWAJ, RAHUL, US
[72] ALKIEWICZ, CHESTER E., US
[71] WESTROCK MWV, LLC, US
[85] 2022-01-28
[86] 2020-06-10 (PCT/US2020/036975)
[87] (WO2021/021319)
[30] US (62/880,229) 2019-07-30

[21] **3,149,186**
[13] A1
[51] **Int.Cl. B29C 64/165 (2017.01) C08F 2/50 (2006.01) C08F 20/32 (2006.01) C08K 3/20 (2006.01) C08K 3/38 (2006.01) C08K 5/14 (2006.01)**
[25] EN
[54] **DUAL-MEDIATED POLYMERIZABLE COMPOSITE FOR ADDITIVE MANUFACTURING**
[54] **COMPOSITE POLYMERISABLE A MEDIATION DOUBLE POUR LA FABRICATION ADDITIVE**
[72] KORSHIKOV, VASILY, US
[72] TRUSHINA, ANNA, US
[72] STARODUBTSEV, DMITRY, US
[72] SOLONITSYN, SLAVA, US
[72] KOVALEV, IGOR, US
[72] DUBOV, ALEKSEI, US
[72] IVANOVA, ANNA, US
[71] MIGHTY BUILDINGS, INC., US
[85] 2022-01-28
[86] 2020-06-26 (PCT/US2020/039997)
[87] (WO2021/029975)
[30] US (16/541,027) 2019-08-14

[21] **3,149,188**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/00 (2006.01) A61P 25/28 (2006.01) C07K 14/16 (2006.01) C07K 14/47 (2006.01) C12N 1/21 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR TREATING FRIEDREICH'S ATAXIA**
[54] **MATERIELS ET METHODES POUR LE TRAITEMENT DE L'ATAXIE DE FRIEDREICH**
[72] PAYNE, RONALD MARK, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2022-01-28
[86] 2020-07-29 (PCT/US2020/044069)
[87] (WO2021/021931)
[30] US (62/880,073) 2019-07-29
[30] US (62/891,029) 2019-08-23

[21] **3,149,194**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF QUANTIFYING FRATAXIN AND FRATAXIN FUSION PROTEINS**
[54] **PROCEDES DE QUANTIFICATION DE PROTEINES DE FUSION DE FRATAXINE ET DE FRATAXINE**
[72] BETTOUN, JOAN DAVID, US
[72] WAGNER, ERIK JOHAN, US
[72] XU, XIN, US
[72] MESS, JEAN-NICHOLAS, CA
[72] WANG, AMY QIU, US
[71] LARIMAR THERAPEUTICS, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-01-28
[86] 2020-07-29 (PCT/US2020/044118)
[87] (WO2021/021964)
[30] US (62/880,068) 2019-07-29
[30] US (62/936,293) 2019-11-15

[21] **3,149,198**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **IL-38-SPECIFIC ANTIBODIES**
[54] **ANTICORPS SPECIFIQUES DE L'IL-38**
[72] ROBINSON, MATTHEW K., US
[72] LUNDGREN, KAREN, US
[72] HARMAN, BEN, US
[72] NIKITIN, PAVEL A., RU
[72] DOWLING, JOHN P., US
[71] IMMUNOME, INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044260)
[87] (WO2021/022037)
[30] US (62/880,265) 2019-07-30

[21] **3,149,199**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ANTIGEN-BINDING PROTEIN CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS DE PROTEINE DE LIAISON A L'ANTIGENE ET UTILISATIONS DE CELLES-CI**
[72] NICHOLS, ALEXANDER J., US
[72] FISKE, BRIAN P., US
[72] GERA, NIMISH, US
[71] MYTHIC THERAPEUTICS, INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044263)
[87] (WO2021/022039)
[30] US (62/880,449) 2019-07-30

[21] **3,149,201**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6811 (2018.01)**
[25] EN
[54] **GENETIC MUTATIONAL ANALYSIS**
[54] **ANALYSE DE MUTATION GENETIQUE**
[72] WEST, JAY A.A., US
[72] GAWAD, CHARLES, US
[72] GONZALES-PENA, VERONICA, US
[72] CARTER, ROBERT, US
[72] NATARAJAN, SIVARAMAN, US
[71] BIOSKRYB GENOMICS, INC., US
[71] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044272)
[87] (WO2021/022046)
[30] US (62/881,180) 2019-07-31

[21] **3,149,206**
[13] A1
[51] **Int.Cl. A01N 63/22 (2020.01) A01N 3/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **METHOD OF IMPROVING COLD STRESS TOLERANCE AND CROP SAFETY**
[54] **PROCEDE D'AMELIORATION DE LA TOLERANCE AU STRESS DU AU FROID ET DE L'INNOCUITE DES CULTURES**
[72] MANAVALAN, LAKSHMI PRABA, US
[72] AMBROSE MICHAEL, KAREN, US
[72] MAHMOOD, SAMAN, US
[72] SAELEE, KAO, US
[71] BAYER CROPSCIENCE LP, US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044306)
[87] (WO2021/022069)
[30] US (62/881,782) 2019-08-01

[21] **3,149,209**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR REDUCING IMMUNOGENICITY BY NON-DEPLETIONAL B CELL INHIBITORS**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE REDUIRE L'IMMUNOGENICITE PAR DES INHIBITEURS DE LYMPHOCYTES B NON APPAUVRIS**
[72] LEON, FRANCISCO, US
[72] DUNFORD, PAUL, US
[71] PROVENTION BIO, INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044312)
[87] (WO2021/022072)
[30] US (62/880,240) 2019-07-30
[30] US (16/943,849) 2020-07-30

[21] **3,149,221**
[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01) G16B 30/00 (2019.01) C12Q 1/68 (2018.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METHOD OF TESTING FOR SPECIFIC ORGANISMS IN AN INDIVIDUAL**
[54] **PROCEDE DE RECHERCHE D'ORGANISMES SPECIFIQUES CHEZ UN INDIVIDU**
[72] HAZAN, SABINE, US
[71] HAZAN, SABINE, US
[85] 2022-01-27
[86] 2020-07-31 (PCT/US2020/044605)
[87] (WO2021/026025)
[30] US (62/882,367) 2019-08-02
[30] US (62/892,409) 2019-08-27
[30] US (62/991,190) 2020-03-18
[30] US (63/002,486) 2020-03-31

[21] **3,149,257**
[13] A1
[51] **Int.Cl. A47J 42/04 (2006.01) A47J 42/38 (2006.01)**
[25] EN
[54] **UPPER PART FOR A SPICE MILL**
[54] **PIECE SUPERIEURE POUR MOULIN A EPICES**
[72] FRIES, RUDOLF, AT
[71] JOMA KUNSTSTOFFTECHNIK GMBH, AT
[85] 2022-02-23
[86] 2020-10-16 (PCT/AT2020/060375)
[87] (WO2021/072472)
[30] AT (A 50900/2019) 2019-10-18

[21] **3,149,296**
[13] A1
[51] **Int.Cl. A61K 31/7056 (2006.01) A61K 9/10 (2006.01) A61K 31/192 (2006.01) A61K 31/327 (2006.01) A61K 47/10 (2017.01) A61K 47/32 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS**
[54] **COMPOSITIONS TOPIQUES**
[72] BHATT, VARSHA, US
[72] PILLAI, RADHAKRISHNAN, US
[72] ANGEL, ARTURO, US
[71] BAUSCH HEALTH IRELAND LIMITED, IE
[85] 2022-01-27
[86] 2020-07-31 (PCT/EP2020/071715)
[87] (WO2021/019092)
[30] US (62/881,836) 2019-08-01

[21] **3,149,297**
[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD OR COMPUTER PROGRAM FOR PROCESSING A SOUND FIELD REPRESENTATION IN A SPATIAL TRANSFORM DOMAIN**
[54] **APPAREIL, PROCEDE OU PROGRAMME INFORMATIQUE POUR TRAITER UNE REPRESENTATION DE CHAMP SONORE DANS UN DOMAINE DE TRANSFORMEE SPATIALE**
[72] THIERGART, OLIVER, DE
[72] NIEDERLEITNER, ALEXANDER, DE
[72] HABETS, EMANUEL, DE
[72] WILD, MORITZ, DE
[72] PLINGE, AXEL, DE
[72] KUNTZ, ACHIM, DE
[72] BOUTHEON, ALEXANDRE, DE
[72] MAHNE, DIRK, DE
[72] KUCH, FABIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-01-28
[86] 2020-07-27 (PCT/EP2020/071120)
[87] (WO2021/018830)
[30] EP (PCT/EP2019/070373) 2019-07-29

[21] **3,149,298**
[13] A1
[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/36 (2006.01) A61K 8/365 (2006.01) A61K 8/37 (2006.01) A61K 8/49 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **TREATMENT OF AGING OR UV-DAMAGED SKIN**
[54] **TRAITEMENT DE VIEILLISSEMENT OU DE PEAU ABIMEE PAR LES UV**
[72] VERBAKEL, JOOST, NL
[72] ROZENBLAT, SHARON, NL
[71] ECHO PHARMACEUTICALS B.V., NL
[85] 2022-01-28
[86] 2020-07-29 (PCT/EP2020/071342)
[87] (WO2021/018935)
[30] EP (19188767.8) 2019-07-29
[30] EP (20165447.2) 2020-03-25

[21] **3,149,299**
[13] A1
[51] **Int.Cl. C08L 67/04 (2006.01)**
[25] EN
[54] **FLEXIBLE WOOD COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE FLEXIBLE EN BOIS**
[72] PARSSINEN, ANTTI, FI
[72] HEINONEN, KATJA, FI
[72] KONTINEN, JOONA, FI
[72] VALTONEN, ANTTI, FI
[71] SULAPAC OY, FI
[85] 2022-01-28
[86] 2020-07-29 (PCT/FI2020/050509)
[87] (WO2021/019130)
[30] FI (20195654) 2019-07-29

[21] **3,149,300**
[13] A1
[51] **Int.Cl. E21B 17/10 (2006.01) E21B 7/10 (2006.01) E21B 17/04 (2006.01)**
[25] EN
[54] **HIGH SPEED ROTOR DYNAMICS CENTRALIZER**
[54] **CENTREUR DE DYNAMIQUE DE ROTOR A GRANDE VITESSE**
[72] MONTOYA, JAMES DANIEL, US
[71] CHEVRON U.S.A. INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044351)
[87] (WO2021/022091)
[30] US (62/881,469) 2019-08-01
[30] US (63/051,716) 2020-07-14

[21] **3,149,301**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01)**
[25] EN
[54] **ARTIFICIAL LIFT SYSTEMS UTILIZING HIGH SPEED CENTRALIZERS**
[54] **SYSTEMES DE LEVAGE ARTIFICIELS UTILISANT DES CENTREURS A GRANDE VITESSE**
[72] MONTOYA, JAMES DANIEL, US
[72] GAMBOA, JOSE ALBERTO, US
[72] BOWER, MATTHEW JOHN, US
[71] CHEVRON U.S.A. INC., US
[85] 2022-01-28
[86] 2020-07-30 (PCT/US2020/044353)
[87] (WO2021/022093)
[30] US (62/881,469) 2019-08-01
[30] US (63/051,716) 2020-07-14

[21] **3,149,302**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 31/12 (2006.01) A61P 31/20 (2006.01) C07D 239/24 (2006.01)**
[25] EN
[54] **SUBSTITUTED CYCLOPROPYL-2,2'-BIPYRIMIDINYL COMPOUNDS, ANALOGUES THEREOF, AND METHODS USING SAME**
[54] **COMPOSES DE CYCLOPROPYL-2,2'-BIPYRIMIDINYL SUBSTITUES, ANALOGUES DE CEUX-CI, ET PROCEDES LES UTILISANT**
[72] CHEN, SHUAI, US
[72] COLE, ANDREW G., US
[72] DORSEY, BRUCE D., US
[72] DUGAN, BENJAMIN J., US
[72] FAN, YI, US
[72] GOTCHEV, DIMITAR B., US
[72] QUINTERO, JORGE, US
[72] SOFIA, MICHAEL J., US
[71] ARBUTUS BIOPHARMA, INC., US
[85] 2022-01-28
[86] 2020-07-31 (PCT/US2020/044405)
[87] (WO2021/025976)
[30] US (62/882,243) 2019-08-02

[21] **3,149,303**
[13] A1
[51] **Int.Cl. A47G 29/14 (2006.01) G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) A47G 29/12 (2006.01) B64F 1/32 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **SHIPPING SYSTEM AND CONTROL SYSTEM FOR SECURE PACKAGE DELIVERY**
[54] **SYSTEME D'ENVOI ET SYSTEME DE COMMANDE DESTINES A LA LIVRAISON SECURISEE DE COLIS**
[72] SPURGEON, DANIEL A., US
[71] SPURGEON, DANIEL A., US
[85] 2022-01-28
[86] 2020-07-31 (PCT/US2020/044425)
[87] (WO2021/022122)
[30] US (62/881,669) 2019-08-01

[21] **3,149,304**
[13] A1
[51] **Int.Cl. A61K 31/444 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **DEUTERATED MK2 PATHWAY INHIBITORS AND METHODS OF USING THE SAME**
[54] **INHIBITEURS DEUTERES DE LA VOIE DE SIGNALISATION MK2 ET METHODES D'UTILISATION DE CEUX-CI**
[72] ANDERSON, DAVID RANDOLPH, US
[72] DECRESCENZO, GARY ANTHONY, US
[71] ACLARIS THERAPEUTICS, INC., US
[85] 2022-01-28
[86] 2020-07-31 (PCT/US2020/044558)
[87] (WO2021/022186)
[30] US (62/881,026) 2019-07-31

[21] **3,149,306**
[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01) H04W 88/06 (2009.01)**
[25] EN
[54] **HETEROGENEOUS NETWORKS USING TWO CHANNEL HOPPING PROTOCOLS**
[54] **RESEAUX HETEROGENES UTILISANT DEUX PROTOCOLES DE SAUT DE CANAL**
[72] HETT, CHRISTOPHER, US
[72] HANLEY, JAMES PATRICK, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-01-29
[86] 2020-07-29 (PCT/US2020/044056)
[87] (WO2021/025921)
[30] US (16/535,382) 2019-08-08

[21] **3,149,307**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **LOGISTICS METHOD FOR A PRODUCT SUPPLY AND DISTRIBUTION CHAIN**
[54] **PROCEDE DE LOGISTIQUE POUR UNE CHAINE D'APPROVISIONNEMENT ET DE DISTRIBUTION DE PRODUITS**
[72] LUPICA RINATO, CLAUDIO, IT
[72] MARTINELLI, DARIO, IT
[72] MAZZINI, MARCO, IT
[71] CELERYA SRL, IT
[85] 2022-01-28
[86] 2020-07-27 (PCT/IB2020/057077)
[87] (WO2021/019428)
[30] IT (102019000013191) 2019-07-29

[21] **3,149,309**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY**
[54] **ANTICORPS BISPECIFIQUE**
[72] SHIBAYAMA, SHIRO, JP
[72] SHIMBO, TAKUYA, JP
[72] TEZUKA, TOMOYA, JP
[72] THROSBY, MARK, NL
[72] DE KRUIF, CORNELIS ADRIAAN, NL
[72] VAN LOO, PIETER FOKKO, NL
[72] KLOOSTER, RINSE, NL
[71] ONO PHARMACEUTICAL CO., LTD., JP
[85] 2022-01-26
[86] 2020-07-29 (PCT/JP2020/028972)
[87] (WO2021/020416)
[30] JP (2019-139751) 2019-07-30

[21] **3,149,310**
[13] A1
[51] **Int.Cl. E06B 1/60 (2006.01) E06B 1/62 (2006.01) E06B 3/968 (2006.01)**
[25] EN
[54] **AN IMPROVED BRACKET**
[54] **SUPPORT AMELIORE**
[72] FORD, ALEXANDER FRANCIS, NZ
[72] KENNY, STACEY COLLEEN, NZ
[71] CAVITY SLIDERS LIMITED, NZ
[85] 2022-01-28
[86] 2019-07-31 (PCT/IB2019/056525)
[87] (WO2021/019284)

[21] **3,149,312**
[13] A1
[51] **Int.Cl. C09D 7/40 (2018.01) B05D 3/10 (2006.01) B29C 37/00 (2006.01) B32B 25/20 (2006.01) B60S 1/38 (2006.01) C08G 65/22 (2006.01) C08G 81/00 (2006.01) C08K 5/00 (2006.01) C08L 71/02 (2006.01) C09D 5/16 (2006.01) C09D 127/12 (2006.01) C09D 171/08 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS OF FORMULATION APPLICATION TO WIPER BLADE AND WINDSHIELD**
[54] **DISPOSITIFS ET PROCEDES D'APPLICATION DE FORMULATION SUR UN BALAI D'ESSUIE-GLACE ET UN PARE-BRISE**
[72] ESCOTO, JOHN ISIDORO, US
[72] PHANG, TZE-LEE, US
[72] FANG, JIAFU, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-01-29
[86] 2020-08-05 (PCT/US2020/044964)
[87] (WO2021/026207)
[30] US (62/883,375) 2019-08-06
[30] US (16/984,505) 2020-08-04

[21] **3,149,313**
[13] A1
[51] **Int.Cl. A61L 15/58 (2006.01) C08L 23/22 (2006.01) C09J 123/22 (2006.01)**
[25] FR
[54] **ELASTOMER COMPOSITION**
[54] **COMPOSITION ELASTOMERIQUE**
[72] GUILLAMAUD, CHRISTELLE MARIE ALINE, FR
[71] URGO RECHERCHE INNOVATION ET DEVELOPPEMENT, FR
[85] 2022-01-31
[86] 2020-07-29 (PCT/FR2020/051395)
[87] (WO2021/023926)
[30] FR (FR1908880) 2019-08-02

[21] **3,149,314**
[13] A1
[51] **Int.Cl. A63B 60/46 (2015.01) A63B 69/36 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **DETECTION METHOD FOR GOLF CLUB AND SENSING APPARATUS USING SAME**
[54] **PROCEDE DE DETECTION POUR CLUB DE GOLF ET APPAREIL DE DETECTION L'UTILISANT**
[72] PARK, HYUN JIN, KR
[71] GOLFZON CO., LTD., KR
[85] 2022-01-28
[86] 2020-07-24 (PCT/KR2020/009760)
[87] (WO2021/020813)
[30] KR (10-2019-0092460) 2019-07-30

[21] **3,149,315**
[13] A1
[51] **Int.Cl. G05B 19/401 (2006.01) B23Q 17/24 (2006.01)**
[25] EN
[54] **OPERATING METHOD OF A NUMERICAL-CONTROL MACHINE TOOL AND DETECTION DEVICE FOR IMPLEMENTING SUCH METHOD**
[54] **PROCEDE DE FONCTIONNEMENT DE MACHINE-OUTIL A COMMANDE NUMERIQUE ET DISPOSITIF DE DETECTION POUR METTRE EN □UVRE UN TEL PROCEDE**
[72] PARPAJOLA, VLADI, IT
[71] PARPAS S.P.A., IT
[85] 2022-01-19
[86] 2019-10-04 (PCT/IB2019/058468)
[87] (WO2021/014201)
[30] IT (102019000012681) 2019-07-23

[21] **3,149,316**
[13] A1
[51] **Int.Cl. B63H 1/32 (2006.01) B63H 1/37 (2006.01)**
[25] FR
[54] **DEVICE FOR MOVING A WATERCRAFT**
[54] **DISPOSITIF DE DEPLACEMENT D'UN VEHICULE NAUTIQUE**
[72] GUILLEMIN, HAROLD HENRI JEAN-ETIENNE, FR
[71] FINX, FR
[85] 2022-01-31
[86] 2020-08-05 (PCT/FR2020/051438)
[87] (WO2021/028635)
[30] FR (19 09105) 2019-08-09

[21] **3,149,317**
[13] A1
[51] **Int.Cl. B32B 7/02 (2019.01) B32B 5/18 (2006.01) B32B 27/32 (2006.01) B32B 27/36 (2006.01) B32B 37/00 (2006.01) B65D 65/40 (2006.01) C08J 9/04 (2006.01) C08J 11/04 (2006.01)**
[25] EN
[54] **MULTI-LAYERED COMPOSITION BASED ON FOAMED RECYCLED POLYETHYLENE TEREPHTHALATE AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION MULTICOUCHE A BASE DE POLYETHYLENETEREPHTALATE EXPANSE SECONDAIRE ET PROCEDE DE PRODUCTION**
[72] RASTORGUEV, DMITRII SERGEEVICH, RU
[72] NIKITENKO, SERGEI SERGEEVICH, RU
[72] TSIRKULEV, MIKHAIL VALEREVICH, RU
[71] FORPET S.A.R.L., LU
[85] 2022-01-29
[86] 2019-09-17 (PCT/RU2019/000644)
[87] (WO2021/020988)
[30] RU (2019123943) 2019-07-29

[21] **3,149,318**
[13] A1
[51] **Int.Cl. G01N 3/42 (2006.01) G01N 3/54 (2006.01)**
[25] EN
[54] **PORTABLE POLYMER TESTER AND TESTING METHOD**
[54] **APPAREIL D'ESSAI DE POLYMERE PORTATIF ET PROCEDE D'ESSAI**
[72] SACHDEV, NARENDRA SINGH, CA
[72] DEADMAN, JASON, CA
[72] JAMIESON, ROBERT, CA
[72] DRITSAS, PANAYOTIC, CA
[72] CHUDAK, MARK ADAM, CA
[72] BRAVO, CESAR ANTONIO, CA
[72] DI CARLO, KEVIN, CA
[71] CANDU ENERGY INC., CA
[85] 2022-01-31
[86] 2020-06-10 (PCT/CA2020/050792)
[87] (WO2021/022357)
[30] US (62/882,469) 2019-08-02

[21] **3,149,319**
[13] A1
[51] **Int.Cl. A45F 5/02 (2006.01) A45F 5/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MULTI-ATTACHMENT ACCESSORY HOLDER**
[54] **PROCEDE ET APPAREIL POUR PORTE-ACCESSOIRE A FIXATION MULTIPLE**
[72] HOEGER, MICHAEL, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-01-29
[86] 2020-07-30 (PCT/US2020/044265)
[87] (WO2021/022040)
[30] US (62/881,659) 2019-08-01
[30] US (16/941,838) 2020-07-29

[21] **3,149,320**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/69 (2017.01) A61K 9/00 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/79 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MULTI-VALENT AND MULTI-SPECIFIC NANOPARTICLE PLATFORMS AND METHODS**
[54] **PLATES-FORMES NANOPARTICULAIRES MULTIVALENTES ET MULTI-SPECIFIQUES, ET PROCEDES**
[72] JULIEN, JEAN-PHILIPPE, CA
[72] RUJAS DIEZ, EDURNE, CA
[72] TREANOR, BEBHINN, CA
[72] ZHAO, TIANTIAN, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2022-01-31
[86] 2020-07-31 (PCT/CA2020/051061)
[87] (WO2021/016724)
[30] US (62/881,899) 2019-08-01

[21] **3,149,321**
[13] A1
[51] **Int.Cl. H02G 3/08 (2006.01) H01H 9/02 (2006.01) H02G 3/02 (2006.01) H02G 3/06 (2006.01) H02G 3/10 (2006.01) H02G 3/12 (2006.01) H02G 3/18 (2006.01)**
[25] EN
[54] **WIRE SUPPORT BRACKET**
[54] **SUPPORT DE SUPPORT DE FIL**
[72] KORCZ, KRZYSZTOF, US
[72] JOHNSON, STEVEN, US
[71] HUBBELL INCORPORATED, US
[85] 2022-01-29
[86] 2020-07-31 (PCT/US2020/044657)
[87] (WO2021/022230)
[30] US (62/881,054) 2019-07-31

[21] **3,149,323**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEDICAL ULTRASOUND WITH MONITORING PAD**
[54] **SYSTEME ET PROCEDE MEDICAUX A ULTRASONS AVEC COUSSINET DE SURVEILLANCE**
[72] VALOIS, MAXIME, CA
[72] LANCTOT, JEAN-FRANCOIS, CA
[72] DOUVILLE, HUGO, CA
[72] LE DEVEHAT, YANNICK, CA
[72] LEFEBVRE, BERNARD, CA
[71] SONOSCOPE INC., CA
[85] 2022-01-31
[86] 2020-08-13 (PCT/CA2020/051108)
[87] (WO2021/026656)
[30] US (62/886,638) 2019-08-14

[21] **3,149,325**
[13] A1
[51] **Int.Cl. A61L 27/56 (2006.01) A61L 27/18 (2006.01) A61L 27/24 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **COMPLEMENT ACTIVE FRAGMENT-LOADED THREE-DIMENSIONAL BIOMATERIAL FOR DENTAL AND/OR OTHER TISSUE REGENERATION**
[54] **BIOMATERIAU TRIDIMENSIONNEL CHARGE EN FRAGMENTS ACTIFS DE COMPLEMENT POUR LA REGENERATION DE TISSUS DENTAIRES ET/OU D'AUTRES TISSUS**
[72] ABOUT, IMAD, FR
[72] RICHARD, GILLES, FR
[72] BERGMANN, MADISON, FR
[72] JEANNEAU, CHARLOTTE, FR
[72] DJOUDI, MOUNIR, FR
[71] SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, FR
[71] UNIVERSITE D'AIX MARSEILLE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2022-01-31
[86] 2020-07-31 (PCT/EP2020/071734)
[87] (WO2021/019096)
[30] EP (19189635.6) 2019-08-01

[21] **3,149,326**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/497 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CLASS OF TRIAROMATIC COMPOUNDS TARGETING BIFUNCTIONAL PHOSPHORYLATION SITE OF STAT3 AND APPLICATIONS THEREOF**
[54] **CLASSE DE COMPOSES TRIAROMATIQUES CIBLANT LE SITE DE PHOSPHORYLATION BIFONCTIONNEL DE STAT3 ET UTILISATIONS ASSOCIEES**
[72] CHEN, YIHUA, CN
[72] ZHOU, WENBO, CN
[72] CHEN, HUANG, CN
[72] YI, ZHENGFANG, CN
[72] PANG, XIUFENG, CN
[72] LIU, MINGYAO, CN
[71] SHANGHAI YUYAO BIOTECH LTD., CN
[85] 2022-01-31
[86] 2020-07-16 (PCT/CN2020/102461)
[87] (WO2021/017880)
[30] CN (201910698892.X) 2019-07-31

[21] **3,149,327**
[13] A1
[51] **Int.Cl. G01F 1/00 (2022.01) G01F 1/05 (2006.01)**
[25] EN
[54] **FLOW RATE ESTIMATION OF A FLUENT SOLID MATERIAL IN A GENERALLY HORIZONTAL PIPE**
[54] **ESTIMATION DE DEBIT D'UNE MATIERE SOLIDE FLUENTE DANS UN TUYAU GLOBALEMENT HORIZONTAL**
[72] CHOPARD, MARCELIN RAGOT, CA
[72] FORSYTH, CASEY MITCHELL, CA
[71] FEED FLOW LIMITED, CA
[85] 2022-01-31
[86] 2021-02-25 (PCT/CA2021/050227)
[87] (WO2021/168568)
[30] US (62/981,836) 2020-02-26

[21] **3,149,328**
[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) C08G 73/02 (2006.01) C12N 15/86 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TRANSFECTING A NUCLEIC ACID MOLECULE INTO A CELL COMPRISING TRIAZOLE COMPOUNDS GRAFTED TO A CATIONIC POLYMER, AND THEIR APPLICATIONS**
[54] **COMPOSITIONS POUR LA TRANSFECTION D'UNE MOLECULE D'ACIDE NUCLEIQUE DANS UNE CELLULE COMPRENANT DES COMPOSES DE TRIAZOLE GREFFES SUR UN POLYMERE CATIONIQUE, ET LEURS APPLICATIONS**
[72] HELLAL, MALIK, FR
[72] STOCK, FABRICE, FR
[72] ERBACHER, PATRICK, FR
[72] PHILIPSON, YANN, FR
[72] DENU, MEGANE, FR
[72] RICORDEL, MARINE, FR
[72] PREMARTIN, FANNY, FR
[72] BENCHIMOL, THIBAUT, FR
[72] PORTE, MATHIEU, FR
[72] TOUSSAINT MOREAU, VALERIE, FR
[72] HAVARD, JONATHAN, FR
[71] POLYPLUS TRANSFECTION, FR
[85] 2022-01-31
[86] 2020-08-05 (PCT/EP2020/072068)
[87] (WO2021/023798)
[30] EP (19315083.6) 2019-08-05

[21] **3,149,329**
[13] A1
[51] **Int.Cl. A47D 13/06 (2006.01) E04H 17/00 (2006.01) E04H 17/18 (2006.01)**
[25] EN
[54] **FOLDABLE PLAYARD**
[54] **PARC DE JEU PLIABLE**
[72] PACELLA, JONATHAN M., US
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2022-01-31
[86] 2020-08-07 (PCT/EP2020/072290)
[87] (WO2021/023873)
[30] US (62/883,716) 2019-08-07

[21] **3,149,332**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/09 (2010.01) C12N 5/02 (2006.01) C12Q 1/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD FOR DIFFERENTIATING EPITHELIAL STEM CELLS**
[54] **PROCEDE DE DIFFERENCIATION DE CELLULES SOUCHES EPITHELIALES**
[72] LLUEL, PHILIPPE, FR
[72] VERGNOLLE, NATHALIE, FR
[72] GAME, XAVIER, FR
[72] ROUGET, CELINE, FR
[72] SEBERT, MORGANE, FR
[71] UROSPHERE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] UNIVERSITE DE TOULOUSE III - PAUL SABATIER, FR
[71] ECOLE NATIONALE VETERINAIRE DE TOULOUSE, FR
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE TOULOUSE, FR
[85] 2022-01-31
[86] 2020-08-07 (PCT/EP2020/072318)
[87] (WO2021/028361)
[30] EP (19290013.2) 2019-08-09

[21] **3,149,333**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING BISPECIFIC ANTIBODIES DIRECTED AGAINST CD3 AND CD20 AND THEIR USES**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT DES ANTICORPS BISPECIFIQUES DIRIGES CONTRE CD3 ET CD20 ET LEURS UTILISATIONS**
[72] VALBJOERN, JESPER, DK
[72] HARLOW, LENE S., DK
[72] CLAUSEN, JACOB D., DK
[72] JENSEN, METTE H., DK
[72] CIMANDER, CHRISTIAN, DK
[72] PASS, JESPER, DK
[72] MADSEN, PETER J., DK
[72] REN, SHAN, DK
[72] WAHLBOM, MARIA A.C., DK
[72] BJERREGAARD, BOLETTE, DK
[71] GENMAB A/S, DK
[85] 2022-01-31
[86] 2020-08-14 (PCT/EP2020/072927)
[87] (WO2021/028587)
[30] EP (19191964.6) 2019-08-15

[21] **3,149,335**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD, APPARATUS, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE TRAITEMENT DE DONNEES, APPAREIL, DISPOSITIF ET SUPPORT D'INFORMATIONS**
[72] HE, QIONG, CN
[72] XU, XIAOCHEN, CN
[72] SHAO, JINHUA, CN
[72] SUN, JIN, CN
[72] DUAN, HOULI, CN
[71] WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD., CN
[85] 2022-01-31
[86] 2020-07-28 (PCT/CN2020/105006)
[87] (WO2021/018101)
[30] CN (201910706620.X) 2019-08-01

[21] **3,149,336**
[13] A1
[51] **Int.Cl. F17C 1/06 (2006.01) F17C 1/16 (2006.01)**
[25] EN
[54] **PRESSURE VESSEL**
[54] **RECIPIENT SOUS PRESSION**
[72] SONNEN, MICHAEL, DE
[72] OTREMBA, FRANK, DE
[71] NPROXX B.V., NL
[85] 2022-01-31
[86] 2020-08-27 (PCT/EP2020/073979)
[87] (WO2021/037983)
[30] EP (19194565.8) 2019-08-30

[21] **3,149,338**
[13] A1
[51] **Int.Cl. F17C 1/06 (2006.01) F17C 1/08 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A PRESSURE VESSEL AND PRESSURE VESSEL**
[54] **PROCEDE DE FABRICATION D'UN RECIPIENT SOUS PRESSION ET RECIPIENT SOUS PRESSION**
[72] MULLER, DIETMAR, DE
[72] OTREMBA, FRANK, DE
[71] NPROXX B.V., NL
[85] 2022-01-31
[86] 2020-08-27 (PCT/EP2020/074009)
[87] (WO2021/038000)
[30] EP (19194566.6) 2019-08-30

[21] **3,149,339**
[13] A1
[51] **Int.Cl. A62B 33/00 (2006.01) A45F 3/04 (2006.01)**
[25] EN
[54] **INFLATABLE BAG, AVALANCHE BACKPACK AND METHOD OF DEFLATING AN INFLATABLE BAG**
[54] **SAC GONFLABLE, SAC A DOS A AVALANCHE ET PROCEDE DE DEGONFLAGE D'UN SAC GONFLABLE**
[72] SCHAER, MARC-ANTOINE, CH
[71] RAS TECHNOLOGY SARL, CH
[85] 2022-01-31
[86] 2020-09-10 (PCT/EP2020/075347)
[87] (WO2021/078440)
[30] EP (19205227.2) 2019-10-25

[21] **3,149,340**
[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61K 9/20 (2006.01) A61K 9/36 (2006.01) A61K 47/12 (2006.01) A61K 47/20 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING NITROXOLINE, NITROXOLINE ORAL SOLID TABLET, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE LA NITROXOLINE, COMPRIME ORAL A BASE DE NITROXOLINE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] LIU, JIANGHUA, CN
[72] GUO, YUSHEN, CN
[72] SHEN, SHUAI, CN
[72] ZHU, WEI, CN
[71] JIANGSU YAHONG MEDITECH CO., LTD., CN
[71] SHANGHAI YAHONG MEDITECH CO., LTD., CN
[85] 2022-01-31
[86] 2020-08-05 (PCT/CN2020/107167)
[87] (WO2021/023231)
[30] CN (201910716938.6) 2019-08-05

[21] **3,149,342**
[13] A1
[51] **Int.Cl. F41A 9/61 (2006.01) F41A 9/24 (2006.01) F41A 17/38 (2006.01) F41A 35/06 (2006.01)**
[25] EN
[54] **MAGAZINE HOLDER FOR A FIREARM**
[54] **PORTE-CHARGEUR POUR ARME A FEU**
[72] KASTRUN, MARIO, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-01-31
[86] 2020-09-25 (PCT/EP2020/076858)
[87] (WO2021/063815)
[30] EP (19201444.7) 2019-10-04

[21] **3,149,343**
[13] A1
[51] **Int.Cl. C21B 5/00 (2006.01) F27D 3/00 (2006.01)**
[25] EN
[54] **SEAL VALVE FOR A PCI SYSTEM OF A BLAST FURNACE**
[54] **SOUPAPE D'ETANCHEITE POUR UN SYSTEME PCI D'UN HAUT FOURNEAU**
[72] HUTMACHER, PATRICK, LU
[72] STEICHEN, CHARLES, LU
[71] PAUL WURTH S.A., LU
[85] 2022-01-31
[86] 2020-07-23 (PCT/EP2020/070882)
[87] (WO2021/023520)
[30] LU (LU101340) 2019-08-06

[21] **3,149,344**
[13] A1
[51] **Int.Cl. G01F 1/58 (2006.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY**
[54] **ENSEMBLE ELECTRODE**
[72] CANTOR, MICHAEL, GB
[72] DAMES, ANDREW, GB
[72] PRICE, MATTHEW, GB
[72] DUNAWAY, PAUL, US
[72] ZIMMERMAN, MIKE, US
[72] EVETT, JAMES, GB
[71] SENTEC LTD, GB
[71] SENSUS SPECTRUM LLC, US
[85] 2022-01-31
[86] 2020-08-07 (PCT/GB2020/051898)
[87] (WO2021/032948)
[30] GB (1911971.8) 2019-08-21

[21] **3,149,347**
[13] A1
[51] **Int.Cl. A47G 19/03 (2006.01) A47G 21/02 (2006.01) A47G 21/04 (2006.01) B26B 3/02 (2006.01) D21J 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE MANUFACTURE OF PRODUCTS MADE FROM FIBROUS MATERIAL AND DISPOSABLE PRODUCTS MANUFACTURED ACCORDING TO THE METHOD**
[54] **PROCEDE DE FABRICATION DE PRODUITS A PARTIR DE MATIERES FIBREUSES ET PRODUITS JETABLES FABRIQUES SELON LE PROCEDE**
[72] KETTUNEN, TIMO, FI
[71] FIBERDOM OY, FI
[85] 2022-01-31
[86] 2020-07-30 (PCT/FI2020/050511)
[87] (WO2021/023913)
[30] FI (20195657) 2019-08-02

[21] **3,149,350**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01)**
[25] EN
[54] **IGM GLYCOVARIANTS**
[54] **GLYCOVARIANTS D'IGM**
[72] KEYT, BRUCE, US
[72] NG, DEAN, US
[72] BALIGA, RAMESH, US
[71] IGM BIOSCIENCES, INC., US
[85] 2022-01-28
[86] 2020-08-21 (PCT/US2020/047495)
[87] (WO2021/041250)
[30] US (62/891,263) 2019-08-23

[21] **3,149,351**
[13] A1
[51] **Int.Cl. H01S 3/08 (2006.01) H01S 3/06 (2006.01) H01S 3/081 (2006.01)**
[25] EN
[54] **DISC LASER**
[54] **LASER A DISQUE**
[72] BRESTEL, MORDECHAI, IL
[72] TURGEMAN, SHLOMO, IL
[71] IDEA MACHINE DEVELOPMENT DESIGN AND PRODUCTION LTD., IL
[85] 2022-01-31
[86] 2020-07-29 (PCT/IB2020/057127)
[87] (WO2021/019447)
[30] US (62/881,139) 2019-07-31

[21] **3,149,352**
[13] A1
[51] **Int.Cl. B66C 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HANDLING SEMI-FINISHED METAL PRODUCTS**
[54] **SYSTEME ET PROCEDE DE MANIPULATION DE PRODUITS METALLIQUES SEMI-FINIS**
[72] BANSAL, AKSHAY, FR
[72] BOISSIERE, BENJAMIN, FR
[72] GRIFFAY, GERARD, FR
[72] GEORGES, PIERRE, FR
[71] ARCELORMITTAL, LU
[85] 2022-01-31
[86] 2019-10-02 (PCT/IB2019/058387)
[87] (WO2021/064451)

[21] **3,149,353**
[13] A1
[51] **Int.Cl. B22F 9/14 (2006.01) C02F 1/28 (2006.01) C22B 4/02 (2006.01) C22B 4/04 (2006.01) C22B 4/06 (2006.01) C22B 4/08 (2006.01) C22C 1/04 (2006.01)**
[25] EN
[54] **METAL PARTICLES AND METHOD FOR PREPARATION THEREOF USING ELECTROEROSION DISPERSION**
[54] **PARTICULES METALLIQUES ET LEUR PROCEDE DE PREPARATION A L'AIDE D'UNE DISPERSION PAR ELECTROEROSION**
[72] MONASTYROV, MYKOLA, UA
[71] MONASTYROV, MYKOLA, UA
[85] 2022-01-31
[86] 2020-07-31 (PCT/IB2020/000640)
[87] (WO2021/019303)
[30] US (62/881,031) 2019-07-31

[21] **3,149,354**
[13] A1
[51] **Int.Cl. G16B 50/00 (2019.01) G16B 10/00 (2019.01) G16B 50/20 (2019.01)**
[25] EN
[54] **CLUSTERING OF MATCHED SEGMENTS TO DETERMINE LINKAGE OF DATASET IN A DATABASE**
[54] **GROUPEMENT DE SEGMENTS APPARIES POUR DETERMINER LA LIAISON D'UN ENSEMBLE DE DONNEES DANS UNE BASE DE DONNEES**
[72] NGUYEN, THI HONG LUONG, US
[72] PEI, JINGWEN, US
[72] GUTURU, HARENDRA, US
[72] NOTO, KEITH D., US
[71] ANCESTRY.COM DNA, LLC, US
[85] 2022-01-31
[86] 2020-07-23 (PCT/IB2020/056937)
[87] (WO2021/024074)
[30] US (62/882,188) 2019-08-02

[21] **3,149,355**
[13] A1
[51] **Int.Cl. B01D 46/50 (2006.01) B01D 53/10 (2006.01) B01D 69/10 (2006.01) B01D 69/14 (2006.01) B01D 71/74 (2006.01) H01M 8/16 (2006.01)**
[25] EN
[54] **ACTIVE PHOSPHOLIPID MEMBRANE AND RELATED PRODUCTION PROCESS**
[54] **MEMBRANE PHOSPHOLIPIDIQUE ACTIVE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] SINOPOLI, PAOLO, IT
[72] PUGLIESE, ROBERTO, IT
[72] CIPRIANI, DANIELE, IT
[71] BIOMIMESI SRL, IT
[85] 2022-01-31
[86] 2020-07-30 (PCT/IB2020/057186)
[87] (WO2021/019483)
[30] IT (102019000013758) 2019-08-01

[21] **3,149,356**
[13] A1
[51] **Int.Cl. B65D 85/10 (2006.01) B65D 5/38 (2006.01)**
[25] EN
[54] **PACK FOR SMOKING ARTICLES WITH A SLIDING OPENING**
[54] **EMBALLAGE POUR ARTICLES A FUMER AVEC UNE OUVERTURE COULISSANTE**
[72] POLLONI, ROBERTO, IT
[72] PARADISO, LUCA, IT
[72] FEDERICI, LUCA (DECEASED), XX
[71] G.D SOCIETA' PER AZIONI, IT
[85] 2022-01-31
[86] 2020-07-31 (PCT/IB2020/057248)
[87] (WO2021/019504)
[30] IT (102019000013647) 2019-08-01

[21] **3,149,358**
[13] A1
[51] **Int.Cl. A61K 31/5578 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) C07C 405/00 (2006.01) C07D 207/16 (2006.01) C07D 295/088 (2006.01) C07D 295/185 (2006.01) C07D 317/40 (2006.01) C07D 321/12 (2006.01) C07F 9/09 (2006.01)**
[25] EN
[54] **TREPROSTINIL PRODRUGS**
[54] **PROMEDICAMENTS DE TREPROSTINIL**
[72] PHARES, KENNETH ROBERT, US
[72] BATRA, HITESH, US
[72] GUO, LIANG, US
[71] UNITED THERAPEUTICS CORPORATION, US
[85] 2022-01-28
[86] 2020-08-24 (PCT/US2020/047647)
[87] (WO2021/041320)
[30] US (62/890,839) 2019-08-23
[30] US (62/976,183) 2020-02-13

[21] **3,149,362**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) F16K 1/00 (2006.01)**
[25] EN
[54] **UNIBODY SHIFT ROD PLUNGER**
[54] **PISTON A TIGE DE COMMANDE MONOCORPS**
[72] BOYD, MITCHELL A., US
[72] BOYD, GARRETT S., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[85] 2022-01-28
[86] 2020-09-18 (PCT/US2020/051456)
[87] (WO2021/055723)
[30] US (62/902,066) 2019-09-18

[21] **3,149,363**
[13] A1
[51] **Int.Cl. G06Q 20/04 (2012.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01) G07F 17/32 (2006.01) G07F 17/42 (2006.01)**
[25] EN
[54] **TRANSACTION METHODS FOR MOBILE WALLET OPERATIONS IN A GAMING ENVIRONMENT**
[54] **PROCEDES DE TRANSACTION D'OPERATIONS DE PORTEFEUILLE MOBILE DANS UN ENVIRONNEMENT DE JEU**
[72] NGUYEN, MIKE, US
[72] KUBAJAK, DAVE, US
[72] ADAMS, MARK, US
[72] CASTILO, MARK, US
[71] JCM AMERICAN CORPORATION, US
[85] 2022-01-28
[86] 2020-10-09 (PCT/US2020/055099)
[87] (WO2021/072283)
[30] US (62/914,321) 2019-10-11
[30] US (16/823,677) 2020-03-19

[21] **3,149,364**
[13] A1
[51] **Int.Cl. B65D 85/10 (2006.01) B65D 5/32 (2006.01) B65D 5/43 (2006.01) B65D 50/04 (2006.01)**
[25] EN
[54] **A RIGID PACK FOR SMOKING ARTICLES PROVIDED WITH A HINGED LID**
[54] **PAQUET RIGIDE POUR ARTICLES A FUMER DOTE D'UN COUVERCLE ARTICULE**
[72] POLLONI, ROBERTO, IT
[72] FEDERICI, LUCA (DECEASED), XX
[71] G.D SOCIETA' PER AZIONI, IT
[85] 2022-01-31
[86] 2020-07-31 (PCT/IB2020/057253)
[87] (WO2021/019505)
[30] IT (102019000013659) 2019-08-01

[21] **3,149,365**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C12N 15/00 (2006.01) C12N 15/13 (2006.01) C40B 40/02 (2006.01)**
[25] EN
[54] **MODIFIED HUMAN VARIABLE DOMAINS**
[54] **DOMAINES VARIABLES HUMAINS MODIFIES**
[72] SILVERMAN, PETER BRIAN, NL
[72] KRAMER, ROBERT ARJEN, NL
[72] BAKKER, ALEXANDER BERTHOLD HENRIK, NL
[71] MERUS N.V., NL
[85] 2022-01-31
[86] 2020-08-04 (PCT/NL2020/050496)
[87] (WO2021/025555)
[30] EP (19190578.5) 2019-08-07

[21] **3,149,366**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06T 19/00 (2011.01) G06Q 50/16 (2012.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR AN INTERACTIVE ACCESS TO PROJECT DESIGN AND SPACE LAYOUT PLANNING**
[54] **SYSTEME ET PROCEDE DESTINES A UN ACCES INTERACTIF A UNE CONCEPTION DE PROJET ET A UNE PLANIFICATION DE CONFIGURATION D'ESPACE**
[72] PATEL, NILAMKUMAR JAYNTILAL, IN
[71] ROOT'S DECOR INDIA PVT. LTD., IN
[85] 2022-01-31
[86] 2020-01-13 (PCT/IN2020/050039)
[87] (WO2021/024270)
[30] IN (201921031622) 2019-08-05

[21] **3,149,367**
[13] A1
[51] **Int.Cl. D21C 9/147 (2006.01) D21C 9/10 (2006.01) A61F 13/15 (2006.01) D21H 11/00 (2006.01) D21H 11/04 (2006.01) D21H 27/00 (2006.01)**
[25] EN
[54] **FLUFF PULP**
[54] **PATE DEFIBREE**
[72] TUFVESSON, HELENA, SE
[72] KONIG, MARIANNE, SE
[72] SODERSTAM, GUNILLA, SE
[72] MUNGUIA-CHANG, ANTONINA, SE
[71] STORA ENSO OYJ, FI
[85] 2022-01-31
[86] 2020-09-03 (PCT/IB2020/058188)
[87] (WO2021/044321)
[30] SE (1951006-4) 2019-09-04

[21] **3,149,368**
[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) A61K 39/12 (2006.01) A61P 27/02 (2006.01) C12N 7/00 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **NOVEL INTRON FRAGMENTS**
[54] **NOUVEAUX FRAGMENTS D'INTRONS**
[72] KONG, HOON YOUNG, KR
[72] KIM, JONG-MOOK, KR
[72] KIM, JEE YONG, KR
[72] SHIN, SUNHWA, KR
[72] LEE, KYUNGWON, KR
[72] HAN, JOO SEOK, KR
[71] NEURACLE GENETICS INC., KR
[85] 2022-01-31
[86] 2021-07-08 (PCT/KR2021/008693)
[87] (WO2022/010277)
[30] KR (10-2020-0084038) 2020-07-08
[30] US (17/365,884) 2021-07-01

[21] **3,149,370**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD OF DETERMINING RISK FOR CHRONIC STRESS AND STROKE**
[54] **METHODE DE DETERMINATION DE RISQUE DE STRESS CHRONIQUE ET D'ACCIDENT VASCULAIRE CEREBRAL**
[72] MALAN, LEONE, ZA
[72] MALAN, NICOLAAS, THEODOR, ZA
[71] NORTH-WEST UNIVERSITY, ZA
[85] 2022-01-31
[86] 2020-07-31 (PCT/IB2020/057269)
[87] (WO2021/019511)
[30] ZA (2019/05103) 2019-08-01

[21] **3,149,371**
[13] A1
[51] **Int.Cl. G16H 10/40 (2018.01) A61B 5/145 (2006.01) A61B 5/1464 (2006.01) A61B 5/1482 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR REDUCING THE RISK, AND IDENTIFYING THE EXISTENCE, OF NEUROLOGICAL INJURY TO A HUMAN FETUS DURING AND BEFORE LABOR**
[54] **PROCEDES ET APPAREIL PERMETTANT DE REDUIRE LE RISQUE, ET D'IDENTIFIER L'EXISTENCE, D'UNE LESION NEUROLOGIQUE A UN FOETUS HUMAIN PENDANT ET AVANT LE TRAVAIL**
[72] EVANS, MARK, US
[71] EVANS, MARK, US
[85] 2022-01-31
[86] 2020-08-03 (PCT/US2020/044768)
[87] (WO2021/022254)
[30] US (62/881,701) 2019-08-01

[21] **3,149,372**
[13] A1
[51] **Int.Cl. A43B 5/14 (2006.01) A43B 7/14 (2022.01) A43B 7/24 (2006.01) A43B 7/28 (2006.01) A43B 17/00 (2006.01) A43B 17/02 (2006.01) A43C 11/00 (2006.01) A43D 999/00 (2006.01)**
[25] EN
[54] **SPORTS SHOE, IN PARTICULAR CYCLING SHOE**
[54] **CHAUSSURE DE SPORT, EN PARTICULIER CHAUSSURE DE CYCLISME**
[72] BIGOLIN, BARBARA, IT
[72] MENEGHETTI, STEFANO, IT
[71] SELLE ROYAL S.P.A., IT
[85] 2022-01-31
[86] 2020-08-05 (PCT/IB2020/057405)
[87] (WO2021/024203)
[30] IT (102019000014082) 2019-08-05

[21] **3,149,373**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/195 (2006.01) A61K 31/4015 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **INTRATHECAL ADMINISTRATION OF LEVETIRACETAM**
[54] **ADMINISTRATION INTRATHECALE DE LEVETIRACETAM**
[72] MITIDIERI, AUGUSTO, CH
[72] DONATI, ELISABETTA, CH
[72] BIANCHI, CLARA, CH
[72] PICCAGLI, BARBARA, CH
[71] SINTETICA S.A., CH
[85] 2022-01-31
[86] 2020-08-12 (PCT/IB2020/057556)
[87] (WO2021/028838)
[30] US (62/886,706) 2019-08-14

[21] **3,149,374**
[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/635 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **DEGRADERS OF CYCLIN-DEPENDENT KINASE 7 (CDK7) AND USES THEREOF**
[54] **AGENTS DE DEGRADATION DE LA KINASE 7 DEPENDANTE DES CYCLINES (CDK7) ET LEURS UTILISATIONS**
[72] DU, GUANGYAN, US
[72] GRAY, NATHANAEL S., US
[72] ZHANG, TINGHU, US
[72] HE, ZHIXIANG, US
[72] KWIATKOWSKI, NICHOLAS, US
[72] JIANG, JIE, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2022-01-31
[86] 2020-08-04 (PCT/US2020/044815)
[87] (WO2021/026109)
[30] US (62/882,958) 2019-08-05

[21] **3,149,376**
[13] A1
[51] **Int.Cl. C09K 17/48 (2006.01)**
[25] EN
[54] **IMPROVING PLANT HEALTH WITH IN SITU FORMED WATER ABSORBING HYDROGELS**
[54] **AMELIORATION DE LA SANTE DES PLANTES A L'AIDE D'HYDROGELS ABSORBANT L'EAU FORMES IN SITU**
[72] ZHANG, CHENXI, US
[72] SHIEH, AILEEN, US
[72] RUTLEDGE, JAMES M., US
[72] PALANICHAMY, KRISHNAN, US
[71] BAYER CROPSCIENCE LP, US
[85] 2022-01-31
[86] 2020-08-05 (PCT/US2020/044962)
[87] (WO2021/026206)
[30] US (62/883,888) 2019-08-07

[21] **3,149,377**
[13] A1
[51] **Int.Cl. C07K 1/14 (2006.01) A23J 1/20 (2006.01) A23J 3/08 (2006.01) C07K 1/16 (2006.01) C07K 1/22 (2006.01) C07K 1/34 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING GLYCOMACROPEPTIDE**
[54] **PROCEDE DE FABRICATION DE GLYCOMACROPEPTIDE**
[72] ENDO, YUTA, JP
[72] KISHINO, MITSUHIRO, JP
[72] KANEKO, MASAYA, JP
[71] AJINOMOTO CO., INC., JP
[85] 2022-01-31
[86] 2020-06-19 (PCT/JP2020/024228)
[87] (WO2021/024622)
[30] JP (2019-142768) 2019-08-02

[21] **3,149,378**
[13] A1
[51] **Int.Cl. F02K 1/72 (2006.01) F02K 1/60 (2006.01)**
[25] EN
[54] **THRUST REVERSER FOR TURBOFAN PROPULSION SYSTEM OF AN AIRCRAFT, AND RELATED TURBOFAN PROPULSION SYSTEM AND THRUST REVERSAL METHOD**
[54] **INVERSEUR DE POUSSEE POUR SYSTEME DE PROPULSION DE REACTEUR A DOUBLE FLUX D'UN AERONEF ET SYSTEME DE PROPULSION DE REACTEUR A DOUBLE FLUX ET PROCEDE D'INVERSION DE POUSSEE ASSOCIE S**
[72] POLI, MASSIMO, IT
[72] VERCELLESI, MARCO, IT
[71] LEONARDO S.P.A., IT
[85] 2022-01-31
[86] 2021-06-09 (PCT/IB2021/055056)
[87] (WO2021/250584)
[30] IT (102020000013846) 2020-06-10

[21] **3,149,379**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **ANTI-VIRAL CENTRAL MEMORY CD8+ VETO CELLS IN HAPLOIDENTICAL STEM CELL TRANSPLANTATION**
[54] **CELLULES VETO CD8+ ANTI-VIRALES CENTRALES UTILISEES DANS LA TRANSPLANTATION DE CELLULES SOUCHES HAPLOIDENTIQUES**
[72] REISNER, YAIR, IL
[72] BACHAR-LUSTIG, ESTHER, IL
[72] LASK, ASSAF, IL
[72] OR-GEVA, NOGA, IL
[72] GIDRON BUDOVSKY, ROTEM, IL
[72] SIDLIK MUSKATEL, RAKEFET, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-01-31
[86] 2020-08-06 (PCT/IL2020/050865)
[87] (WO2021/024264)
[30] US (62/883,164) 2019-08-06

[21] **3,149,381**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) C12Q 1/6883 (2018.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **DATA-BASED MENTAL DISORDER RESEARCH AND TREATMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RECHERCHE ET DE TRAITEMENT DE TROUBLE MENTAL BASES SUR DES DONNEES**
[72] LEFKOFSKY, HAILEY B., US
[72] VLANGOS, CHRISTOPHER N., US
[71] TEMPUS LABS, INC., US
[85] 2022-01-31
[86] 2020-08-03 (PCT/US2020/044795)
[87] (WO2021/026097)
[30] US (62/882,466) 2019-08-02

[21] **3,149,383**
[13] A1
[51] **Int.Cl. A61K 31/4427 (2006.01) A61K 31/4439 (2006.01) A61P 3/00 (2006.01) A61P 3/10 (2006.01) A61P 13/00 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/14 (2006.01) C07D 403/10 (2006.01)**
[25] EN
[54] **INHIBITORS OF ADVANCED GLYCATION END PRODUCTS**
[54] **INHIBITEURS DE PRODUITS TERMINAUX DE GLYCATION AVANCEE**
[72] KHALIFAH, RAJA G., US
[71] PRAETEGO, INC., US
[85] 2022-01-31
[86] 2020-07-31 (PCT/US2020/044611)
[87] (WO2021/022215)
[30] US (62/881,607) 2019-08-01
[30] US (63/006,706) 2020-04-07

[21] **3,149,385**
[13] A1
[51] **Int.Cl. B01J 27/24 (2006.01) B01J 23/42 (2006.01) B01J 23/89 (2006.01) H01M 4/92 (2006.01) H01M 4/96 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **METAL-LOADED CATALYST, BATTERY ELECTRODE AND BATTERY**
[54] **CATALYSEUR AU METAL, ELECTRODE DE BATTERIE ET BATTERIE**
[72] SATO, TETSUTARO, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] ISHIZUKA, TAKUYA, JP
[72] ISAKA, TAKUYA, JP
[72] KOBAYASHI, YOSHIKAZU, JP
[72] MEGURO, MIKI, JP
[71] NISSHINBO HOLDINGS INC., JP
[85] 2022-01-31
[86] 2020-07-02 (PCT/JP2020/026043)
[87] (WO2021/024656)
[30] JP (2019-143404) 2019-08-02

[21] **3,149,386**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61K 39/00 (2006.01) A61K 47/14 (2017.01) A61K 47/24 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF RNA INTERFERENCE AGENTS TO IMMUNE CELLS**
[54] **COMPOSITIONS ET METHODES POUR LE TRANSFERT D'AGENTS D'INTERFERENCE ARN A DES CELLULES IMMUNITAIRES**
[72] HUANG, ERIC YI-CHUN, US
[71] MODERNATX, INC., US
[85] 2022-01-31
[86] 2020-07-31 (PCT/US2020/044535)
[87] (WO2021/022173)
[30] US (62/881,279) 2019-07-31

[21] **3,149,387**
[13] A1
[51] **Int.Cl. B29C 70/20 (2006.01) B29B 11/16 (2006.01) C08J 5/04 (2006.01)**
[25] EN
[54] **NOTCHED PREPREG AND FIBER-REINFORCED PLASTIC**
[54] **PREIMPREGNE ENTAILLE ET MATIERE PLASTIQUE RENFORCEE PAR DES FIBRES**
[72] NAITO, YUTA, JP
[72] ADACHI, KENTARO, JP
[72] MATSUTANI, HIROAKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2022-01-31
[86] 2020-08-03 (PCT/JP2020/029617)
[87] (WO2021/024971)
[30] JP (2019-144266) 2019-08-06

[21] **3,149,388**
[13] A1
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 44/00 (2006.01) E21B 45/00 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **AUTOMATIC COMPENSATION FOR SURGE AND SWAB DURING PIPE MOVEMENT IN MANAGED PRESSURE DRILLING OPERATION**
[54] **COMPENSATION AUTOMATIQUE POUR UNE SURTENSION ET PISTONNAGE PENDANT UN MOUVEMENT DE TUYAU DANS UNE OPERATION DE FORAGE A PRESSION GEREE**
[72] AMEEN, SAYAMIK N., US
[72] BRANA, JOSE D., US
[72] KOITHAN, THOMAS H., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2022-01-31
[86] 2020-07-31 (PCT/US2020/044427)
[87] (WO2021/040961)
[30] US (16/554,465) 2019-08-28

[21] **3,149,390**
[13] A1
[51] **Int.Cl. C07K 16/08 (2006.01) C07K 16/10 (2006.01) C07K 16/12 (2006.01) C07K 16/14 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **VIRUS-LIKE PARTICLE VACCINES**
[54] **VACCINS A PARTICULES DE TYPE VIRUS**
[72] HENDERSON, DANIEL R., US
[72] ELLISON, THOMAS J., US
[72] TALBOTT, GEORGE C., US
[72] SONG, YEONJU, US
[71] VERNDARI, INC., US
[85] 2022-01-31
[86] 2020-07-30 (PCT/US2020/044196)
[87] (WO2021/022008)
[30] US (62/880,547) 2019-07-30
[30] US (62/990,318) 2020-03-16

[21] **3,149,391**
[13] A1
[51] **Int.Cl. A61N 5/067 (2006.01)**
[25] EN
[54] **PHOTOTHERAPY DEVICE AND METHOD OF OPERATION OF PHOTOTHERAPY DEVICE**
[54] **DISPOSITIF DE PHOTOTHERAPIE ET PROCEDE DE FONCTIONNEMENT D'UN DISPOSITIF DE PHOTOTHERAPIE**
[72] NANJO, TAKUYA, JP
[72] KAWASE, YUKI, JP
[72] SATO, TOSHIHIRO, JP
[72] TAKAHASHI, KAZUNORI, JP
[71] TEIJIN PHARMA LIMITED, JP
[85] 2022-01-31
[86] 2020-08-28 (PCT/JP2020/032720)
[87] (WO2021/040008)
[30] JP (2019-157036) 2019-08-29
[30] JP (2019-157051) 2019-08-29

[21] **3,149,392**
[13] A1
[51] **Int.Cl. F16L 55/105 (2006.01) F16L 55/10 (2006.01) F16L 55/11 (2006.01) F16L 55/124 (2006.01)**
[25] EN
[54] **PIPE ISOLATION AND MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET D'ISOLATION DE TUYAU**
[72] EVANS, OLIVER BRYN, US
[71] TEAM INDUSTRIAL SERVICES, INC., US
[85] 2022-01-31
[86] 2020-07-30 (PCT/US2020/044191)
[87] (WO2021/022004)
[30] US (62/880,894) 2019-07-31

[21] **3,149,395**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01) A61K 38/43 (2006.01) A61K 38/46 (2006.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CELLS FOR IMPROVED IMMUNOTHERAPY AND USES THEREOF**
[54] **CELLULES POUR AMELIORER L'IMMUNOTHERAPIE ET LEURS UTILISATIONS**
[72] SCHEINBERG, DAVID A., US
[72] PERARO, LEILA, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES AND THE ROCKEFELLER UNIVERSITY, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2022-01-31
[86] 2020-07-30 (PCT/US2020/044159)
[87] (WO2021/021989)
[30] US (62/881,467) 2019-08-01

[21] **3,149,396**
[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) H04L 9/06 (2006.01) H04L 12/16 (2006.01) G06F 7/58 (2006.01) H04L 12/44 (2006.01)**
[25] EN
[54] **DISTRIBUTED BLOCKCHAIN TRANSACTION SYSTEM**
[54] **SYSTEME DE TRANSACTION A CHAINE DE BLOCS DISTRIBUEE**
[72] QIAN, YUMING, CA
[72] DUMAS, FRANCOIS, CA
[72] POPERT-FORTIER, PATRICIA, CA
[72] BEAUDET, JEAN-PHILIPPE, CA
[71] ZEU TECHNOLOGIES, INC., CA
[85] 2022-02-01
[86] 2020-08-05 (PCT/CA2020/051065)
[87] (WO2021/022369)
[30] US (62/883,531) 2019-08-06

[21] **3,149,397**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 38/00 (2006.01) A61P 29/00 (2006.01) C07K 7/08 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING CHEMERIN ANALOGS AND METHODS OF USE**
[54] **COMPOSITIONS COMPRENANT DES ANALOGUES DE LA CHEMERINE ET METHODES D'UTILISATION**
[72] SHAILUBHAI, KUNWAR, US
[72] PATIL, RAJKUMAR V., US
[71] OKYO PHARMA LIMITED, GG
[85] 2022-01-31
[86] 2020-07-29 (PCT/US2020/044045)
[87] (WO2021/021915)
[30] US (62/881,725) 2019-08-01

[21] **3,149,398**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **SURGICAL STAPLING DEVICE WITH CURVED TOOL ASSEMBLY**
[54] **DISPOSITIF D'AGRAFAGE CHIRURGICAL DOTE D'UN ENSEMBLE POIGNEE INCURVE**
[72] ZHANG, JIANGFENG, CN
[72] ZHANG, XINI, CN
[72] AHAMED, SYED, CN
[72] XU, SHUNHONG, CN
[72] REN, PING, CN
[72] HAZRA, MANOJIT, IN
[72] VARADHAN, SRIDHARAN, CN
[72] GUO, ZHINAN, CN
[71] COVIDIEN LP, US
[85] 2022-02-01
[86] 2019-08-02 (PCT/CN2019/099046)
[87] (WO2021/022407)

[21] **3,149,399**
[13] A1
[51] **Int.Cl. A61M 16/04 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **VINE ROBOT TRACHEAL INTUBATION DEVICE**
[54] **DISPOSITIF D'INTUBATION TRACHEALE DE ROBOT EN FORME DE LIANE**
[72] HAWKES, ELLIOT W., US
[72] HAGGERTY, DAVID A., US
[72] DROVER, DAVID R., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-01-31
[86] 2020-07-29 (PCT/US2020/043942)
[87] (WO2021/025911)
[30] US (62/882,239) 2019-08-02

[21] **3,149,400**
[13] A1
[51] **Int.Cl. A44C 7/00 (2006.01) A44C 15/00 (2006.01) A47F 7/02 (2006.01) B65D 85/18 (2006.01)**
[25] EN
[54] **JEWELRY DISPLAY APPARATUS**
[54] **APPAREIL DE PRESENTATION DE BIJOUX**
[72] CARWARDINE, LAURA, CA
[72] MATZEG, ADRIENNA, CA
[71] MEJURI INC., CA
[85] 2022-01-31
[86] 2020-08-06 (PCT/US2020/045111)
[87] (WO2021/026295)
[30] US (62/883,421) 2019-08-06

[21] **3,149,403**
[13] A1
[51] **Int.Cl. C07D 498/14 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 498/22 (2006.01)**
[25] EN
[54] **TETRACYCLIC COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE TETRACYCLIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] GUO, SHUCHUN, CN
[72] FAN, JUN, CN
[72] LIU, YANG, CN
[72] PENG, JIANBIAO, CN
[72] GUO, HAIBING, CN
[71] SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, CN
[71] JIANGXI JEMINCARE GROUP CO., LTD., CN
[85] 2022-02-01
[86] 2020-08-03 (PCT/CN2020/106573)
[87] (WO2021/023154)
[30] CN (201910712388.0) 2019-08-02
[30] CN (201910899724.7) 2019-09-23
[30] CN (201911157922.2) 2019-11-22
[30] CN (202010054185.X) 2020-01-17

[21] **3,149,404**
[13] A1
[51] **Int.Cl. F16K 3/02 (2006.01) F16K 3/30 (2006.01) F16K 27/04 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **HYDRALOCK FRAC VALVE**
[54] **VANNE DE FRACTURATION HYDRALOCK**
[72] ATENCIO, DONALD, US
[71] OIL PATCH GROUP, INC., US
[85] 2022-01-31
[86] 2020-07-28 (PCT/US2020/043829)
[87] (WO2021/021781)
[30] US (16/528,412) 2019-07-31

[21] **3,149,406**
[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 5/20 (2006.01)**
[25] EN
[54] **NOVEL ANTI-CLDN18.2 ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-CLDN18.2**
[72] QIAN, XUEMING, CN
[72] LI, ZHEN, CN
[72] TENG, FEI, CN
[72] LI, HONGJUN, CN
[72] CHAI, HUI, CN
[72] GUO, HUANHUAN, CN
[71] SUZHOU TRANSCENTA THERAPEUTICS CO., LTD., CN
[85] 2022-02-01
[86] 2020-08-20 (PCT/CN2020/110220)
[87] (WO2021/032157)
[30] CN (PCT/CN2019/101563) 2019-08-20
[30] CN (PCT/CN2020/097559) 2020-06-22

[21] **3,149,407**
[13] A1
[51] **Int.Cl. B65B 3/26 (2006.01) B65G 61/00 (2006.01) G05B 19/418 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR THE BATCH DELIVERY OF MATERIAL TO A CONTINUOUS MATERIAL PROCESSOR**
[54] **PROCEDES ET SYSTEMES POUR LA DISTRIBUTION PAR LOTS DE MATERIAU A UN PROCESSEUR DE MATERIAU EN CONTINU**
[72] WALKER, MARY AMELIA, US
[72] CATRON, ROBERT, US
[72] VAUGHAN, BRIAN, US
[72] LU, HUNG JUNG, US
[72] HICKSON, NICHOLAS, US
[71] FREEPORT-MCMORAN INC., US
[85] 2022-01-31
[86] 2020-06-26 (PCT/US2020/039741)
[87] (WO2021/080655)
[30] US (16/659,109) 2019-10-21

[21] **3,149,408**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 80/60 (2016.01)**
[25] EN
[54] **HEATING A WIND TURBINE BLADE**
[54] **CHAUFFAGE DE PALE D'EOLIENNE**
[72] SPANDLEY, LUKE, GB
[72] BADGER, PAUL, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2022-02-01
[86] 2020-08-04 (PCT/DK2020/050224)
[87] (WO2021/023353)
[30] DK (PA 2019 70495) 2019-08-05

[21] **3,149,409**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 80/60 (2016.01) F03D 1/06 (2006.01)**
[25] EN
[54] **HEATING A WIND TURBINE BLADE**
[54] **CHAUFFAGE D'UNE PALE D'EOLIENNE**
[72] BADGER, PAUL, GB
[72] SPANDLEY, LUKE, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2022-02-01
[86] 2020-08-04 (PCT/DK2020/050225)
[87] (WO2021/023354)
[30] DK (PA 2019 70496) 2019-08-05

[21] **3,149,416**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 21/08 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SYNTHETIC DATA GENERATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE DONNEES DE SYNTHESE**
[72] JAASKELAINEN, MIKKO, US
[72] DUSTERHOFT, RONALD GLEN, US
[72] STEPHENSON, STANLEY V., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-01-31
[86] 2019-10-25 (PCT/US2019/058193)
[87] (WO2021/080621)
[30] US (16/664,184) 2019-10-25

[21] **3,149,417**
[13] A1
[51] **Int.Cl. E05B 65/10 (2006.01) B60J 5/00 (2006.01) E05C 1/08 (2006.01) E05C 1/10 (2006.01) E05C 1/12 (2006.01) E06B 3/70 (2006.01)**
[25] EN
[54] **DOOR BARRICADE WITH SINGLE MOTION EGRESS**
[54] **BARRIERE DE PORTE A SORTIE DE MOUVEMENT UNIQUE**
[72] SILVANI, MICHAEL ANGELO, JR., US
[72] JOHNSON, ERNEST LAWRENCE, III, US
[71] RHINOWARE CONNECT, LLC, US
[85] 2022-01-31
[86] 2019-07-29 (PCT/US2019/043951)
[87] (WO2021/021107)
[30] US (16/524,978) 2019-07-29

[21] **3,149,420**
[13] A1
[25] EN
[54] **OUTFLOW UNIT FOR MIXER**
[54] **UNITE DE SORTIE POUR MELANGEUR**
[72] IVARSSON, NEMO, SE
[72] ANDERSSON, MATS, SE
[71] SANSO MIXING AB, SE
[85] 2022-01-31
[86] 2020-08-14 (PCT/SE2020/050784)
[87] (WO2021/034252)
[30] SE (1950940-5) 2019-08-16

[21] **3,149,422**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01) F03D 80/60 (2016.01) F03D 1/06 (2006.01)**
[25] EN
[54] **WIND TURBINE BLADE WITH ELECTRO-THERMAL HEATING ELEMENT**
[54] **PALE D'EOLIENNE AVEC ELEMENT CHAUFFANT ELECTROTHERMIQUE**
[72] SPANDLEY, LUKE, GB
[72] BADGER, PAUL, GB
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2022-02-01
[86] 2020-08-04 (PCT/DK2020/050226)
[87] (WO2021/023355)
[30] DK (PA 2019 70498) 2019-08-05

[21] **3,149,423**
[13] A1
[51] **Int.Cl. B23B 51/06 (2006.01)**
[25] EN
[54] **DRILLING TOOL HAVING TWO LONGITUDINAL GROOVES IN THE RAKE FACE**
[54] **FORET A LEVRE UNIQUE AYANT DEUX RAINURES LONGITUDINALES DANS LA FACE DE COUPE**
[72] RABER, PETER, DE
[72] DEEG, JURGEN, DE
[72] KAMMERER, PATRICK, DE
[72] KOHLER, DENNIS, DE
[71] BOTEK PRAZISIONSBOHRTECHNIK GMBH, DE
[85] 2022-02-01
[86] 2020-07-28 (PCT/EP2020/071208)
[87] (WO2021/037460)
[30] DE (10 2019 122 686.4) 2019-08-23

[21] **3,149,424**
[13] A1
[51] **Int.Cl. B21D 37/16 (2006.01) C21D 1/64 (2006.01) C21D 9/46 (2006.01)**
[25] EN
[54] **INTERMEDIATE HEATING STATION**
[54] **STATION DE CHAUFFAGE INTERMEDIAIRE**
[72] WENZEL, BJORN, SE
[72] KLINT, DRAZEN, SE
[72] LEANDER, MARCUS, SE
[71] AUTOMATION, PRESS AND TOOLING, AP & T AB, SE
[85] 2022-02-01
[86] 2020-07-30 (PCT/EP2020/071478)
[87] (WO2021/028230)
[30] EP (19191711.1) 2019-08-14

[21] **3,149,425**
[13] A1
[51] **Int.Cl. A61K 31/48 (2006.01) A61K 45/06 (2006.01) A61P 25/16 (2006.01) A61P 25/22 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN A METHOD OF TREATING OR PREVENTING NEUROLOGICAL AND/OR PSYCHIATRIC DISORDERS**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS UN PROCEDE DE TRAITEMENT OU DE PREVENTION DE TROUBLES NEUROLOGIQUES ET/OU PSYCHIATRIQUES**
[72] RIBEIRO, SIDARTA, BR
[72] REHEN, STEVENS, BR
[72] FEILDING, AMANDA, GB
[71] THE BECKLEY FOUNDATION, GB
[71] D'OR INSTITUTE FOR RESEARCH AND EDUCATION - IDOR, BR
[71] UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE, BR
[85] 2022-02-01
[86] 2020-07-30 (PCT/EP2020/071525)
[87] (WO2021/019023)
[30] GB (1911024.6) 2019-08-01

[21] **3,149,426**
[13] A1
[51] **Int.Cl. F04D 29/70 (2006.01) F04D 7/04 (2006.01) F04D 29/22 (2006.01)**
[25] EN
[54] **WIPING ELEMENT FOR IMPELLER LEADING EDGES OF WASTEWATER PUMPS**
[54] **ELEMENT D'ESSUYAGE POUR BORDS D'ATTAQUE DE TURBINE DE POMPES POUR EAUX USEES**
[72] JAGER, CHRISTOPH, DE
[72] KAMINSKI, MATEUSZ, FR
[72] MULLER, ENRICO, DE
[72] PETIT, NICOLAS, FR
[71] KSB SE & CO. KGAA, DE
[85] 2022-02-01
[86] 2020-08-03 (PCT/EP2020/071792)
[87] (WO2021/028246)
[30] EP (19191970.3) 2019-08-15

[21] **3,149,427**
[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61P 19/04 (2006.01)**
[25] EN
[54] **A METHOD OF IN VITRO CHONDROCYTE AND CARTILAGE CULTURE TO OBTAIN MATERIAL FOR THE TREATMENT OF ARTICULAR CARTILAGE DEFECTS**
[54] **PROCEDE DE CULTURE DE CHONDROCYTES ET DE CARTILAGE IN VITRO POUR OBTENIR UN MATERIAU POUR LE TRAITEMENT DE DEFAUTS DU CARTILAGE ARTICULAIRE**
[72] JAROS, SLAWOMIR, PL
[72] SOBIERAJ, GRZEGORZ, PL
[72] BALCEREK, JULITA, PL
[71] ARTHEC SP. Z.O.O, PL
[85] 2022-02-01
[86] 2020-08-03 (PCT/EP2020/071826)
[87] (WO2021/023718)
[30] PL (P.430801) 2019-08-02

[21] **3,149,429**
[13] A1
[51] **Int.Cl. B60P 3/34 (2006.01) E04B 1/343 (2006.01) E04H 3/08 (2006.01)**
[25] EN
[54] **EXPANDABLE ROOF SYSTEM**
[54] **SYSTEME DE TOIT EXTENSIBLE**
[72] CORDUFF, MICHAEL, GB
[71] CORDUFF, MICHAEL, GB
[85] 2022-02-01
[86] 2020-08-03 (PCT/EP2020/071838)
[87] (WO2021/019103)
[30] GB (1910994.1) 2019-08-01

[21] **3,149,430**
[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 1/21 (2006.01) C12N 15/54 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **MUTATED PGLB OLIGOSACCHARYLTRANSFERASE ENZYMES**
[54] **ENZYMES OLIGOSACCHARYLTRANSFERASES PGLB MUTEES**
[72] IHNKEN, LEIGH ANNE, US
[72] KARPIAK, JOEL, US
[72] KEMMLER, STEFAN JOCHEN, CH
[72] KOWARIK, MICHAEL THOMAS, CH
[72] MELBY, JOEL, US
[72] OLLIS, ANNE, US
[72] QUEBATTE, JULIEN LAURENT, CH
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2022-02-01
[86] 2020-08-06 (PCT/EP2020/072102)
[87] (WO2021/028303)
[30] US (62/884,791) 2019-08-09
[30] US (62/931,265) 2019-11-06

[21] **3,149,431**
[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) C12N 15/87 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **STEREOSELECTIVE PH RESPONSIVE PEPTIDE DENDRIMERS FOR NUCLEIC ACID TRANSFECTION**
[54] **DENDRIMERES PEPTIDIQUES STEREOSELECTIFS SENSIBLES AU PH POUR LA TRANSFECTION D'ACIDES NUCLEIQUES**
[72] REYMOND, JEAN-LOUIS, CH
[72] HEITZ, MARC, FR
[72] DARBRE, TAMIS, CH
[72] ZAMOLO, SUSANNA, IT
[71] UNIVERSITAT BERN, CH
[85] 2022-02-01
[86] 2020-08-07 (PCT/EP2020/072329)
[87] (WO2021/023891)
[30] EP (19190626.2) 2019-08-07

[21] **3,149,433**
[13] A1
[51] **Int.Cl. C12N 9/64 (2006.01) C07K 7/06 (2006.01) C07K 19/00 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/96 (2006.01) C12N 15/57 (2006.01) C12P 21/00 (2006.01) C12P 21/06 (2006.01)**
[25] EN
[54] **CASPASE-2 VARIANTS**
[54] **VARIANTS DE CASPASE 2**
[72] JUNGBAUER, ALOIS, AT
[72] LINGG, NICO, AT
[72] STRIEDNER, GERALD, AT
[72] CSERJAN-PUSCHMANN, MONIKA, AT
[72] OOSTENBRINK, CHRIS, AT
[72] OHLKNECHT, CHRISTOPH, AT
[72] KROSS, CHRISTINA, AT
[72] ENGELE, PETRA, AT
[72] SCHNEIDER, RAINER, AT
[71] BOEHRINGER INGELHEIM RCV GMBH & CO KG, AT
[85] 2022-02-01
[86] 2020-08-14 (PCT/EP2020/072934)
[87] (WO2021/028590)
[30] EP (19191767.3) 2019-08-14

[21] **3,149,435**
[13] A1
[51] **Int.Cl. F41A 3/30 (2006.01) F41A 21/12 (2006.01)**
[25] EN
[54] **BARREL FOR A FIREARM WITH LOCKING SPACE, AND PRODUCTION PROCESS**
[54] **CANON POUR ARME A FEU A ESPACE DE VERROUILLAGE, ET PROCEDE DE PRODUCTION**
[72] SEREINIG, SIEGFRIED, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-02-01
[86] 2020-09-28 (PCT/EP2020/077093)
[87] (WO2021/063882)
[30] EP (19201453.8) 2019-10-04

[21] **3,149,436**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **A SYSTEM FOR THE PREPARATION OF A PACKAGED FOOD COMPOSITION**
[54] **SYSTEME POUR LA PREPARATION D'UNE COMPOSITION ALIMENTAIRE CONDITIONNEE**
[72] SEEFRIED, JURGEN, DE
[72] THOMA, JOHANNES PETER, DE
[72] LEAL, ROBERTO, DE
[72] GUITERAS MOMBIOLA, LLUIS, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-02-01
[86] 2020-09-30 (PCT/EP2020/077286)
[87] (WO2021/063976)
[30] EP (19200706.0) 2019-10-01

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,123,794**
[13] A1
[51] **Int.Cl. B29C 41/22 (2006.01) A61L 29/04 (2006.01)**
[25] EN
[54] **STEERABLE INTRA-LUMINAL MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL INTRALUMINAL ORIENTABLE**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] PALMRE, VILJAR, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[22] 2017-02-03
[41] 2017-08-10
[62] 3,004,201
[30] US (62/292,064) 2016-02-05

[21] **3,146,462**
[13] A1
[51] **Int.Cl. A61B 1/12 (2006.01)**
[25] EN
[54] **VISCOELASTIC COMPOSITION FOR SECURING THE FIELD OF VIEW OF AN ENDOSCOPE**
[54]
[72] YANO, TOMONORI, JP
[72] OHHATA, ATSUSHI, JP
[72] GOTO, TOSHIHIRO, JP
[72] HIRAKI, YUJI, JP
[71] JICHI MEDICAL UNIVERSITY, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[22] 2016-09-28
[41] 2017-04-06
[62] 3,000,614
[30] JP (2015-195105) 2015-09-30

[21] **3,147,682**
[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61F 5/56 (2006.01) A61M 16/08 (2006.01) A61M 16/16 (2006.01)**
[25] EN
[54] **BREATHING ASSISTANCE APPARATUS**
[54] **APPAREIL RESPIRATOIRE**
[72] O'DONNELL, KEVIN PETER, NZ
[72] VAN BEURDEN, JASON PETER, NZ
[72] WHITE, CRAIG KARL, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2004-05-28
[41] 2004-11-30
[62] 3,018,256
[30] NZ (526362) 2003-05-30

[21] **3,147,822**
[13] A1
[25] EN
[54] **STATUS-INDICATING CYLINDRICAL LOCK ASSEMBLY**
[54] **ENSEMBLE SERRURE CYLINDRIQUE A INDICATION D'ETAT**
[72] BASAVARAJU, SMITHA, IN
[72] BARKER, KENTON, H., US
[72] MANNATTIL, HARIKRISHNAN, IN
[72] GOPALAKRISHNAN, SUBBIAH, IN
[72] HURLBERT, DAVID, J, US
[72] RAO, AJEYA, S., IN
[72] D.S., ACHYUTA, IN
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2017-05-30
[41] 2017-11-30
[62] 3,025,791
[30] US (62/342,424) 2016-05-27

[21] **3,147,826**
[13] A1
[25] EN
[54] **IMPROVED HIGH PERFORMANCE DATA COMMUNICATIONS CABLE**
[54] **CABLE AMELIORE A HAUTES PERFORMANCES POUR COMMUNICATIONS DE DONNEES**
[72] WEHRLI, ANDREW JOHN, US
[72] CLARK, WILLIAM THOMAS, US
[72] GAREIS, GALEN MARK, US
[72] BRENNEKE, DOUGLAS DAVID, US
[71] BELDEN INC., US
[22] 2014-10-21
[41] 2015-04-30
[62] 2,956,027
[30] US (61/894,728) 2013-10-23

[21] **3,147,833**
[13] A1
[51] **Int.Cl. B08B 9/023 (2006.01) F16L 55/18 (2006.01)**
[25] EN
[54] **PIPE CONDITIONING TOOL FOR SURFACE TREATMENT OF A PIPE**
[54] **OUTIL DE FINITION POUR TUYAUX**
[72] BAMFORD, BRAD, CA
[71] AUTOMATIC COATING LIMITED, CA
[22] 2012-01-16
[41] 2012-07-14
[62] 3,039,959
[30] US (61/433,023) 2011-01-14

[21] **3,147,907**
[13] A1
[25] EN
[54] **SNOWMOBILE SKID FRAME ASSEMBLY**
[54] **ENSEMBLE CHASSIS DE GLISSEMENT DE MOTONEIGE**
[72] BEAVIS, ANDREW, US
[71] ARCTIC CAT INC., US
[22] 2014-12-16
[41] 2015-06-25
[62] 3,042,811
[30] US (14/109,760) 2013-12-17

[21] **3,147,914**
[13] A1
[25] EN
[54] **STRUT PORTION WITH BUCKLING CAPABILITY FOR AERODYNAMIC SKIRT**
[54] **PARTIE DE MAT A CAPACITE DE FLAMBAGE POUR UNE JUPE AERODYNAMIQUE**
[72] BOIVIN, MATHIEU, CA
[72] DEIR, WALID, CA
[72] BASSILY, GEORGE, CA
[72] KANTHARAJU, SWAROOP, CA
[72] TOME, ELIZABETH, CA
[72] DAOUST, SYLVAIN, CA
[72] FELLAH JAHROMI, ALI, CA
[71] TRANSTEX COMPOSITE INC., CA
[22] 2016-09-06
[41] 2017-03-07
[62] 2,940,932
[30] US (62/215,129) 2015-09-07
[30] US (62/314,082) 2016-03-28
[30] US (15/257,571) 2016-09-06

[21] **3,147,919**
[13] A1
[25] EN
[54] **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING DATA IN COMMUNICATION SYSTEM**
[54] **APPAREIL ET PROCEDE D'EMISSION ET DE RECEPTION DE DONNEES DANS UN SYSTEME DE COMMUNICATION**
[72] JEONG, HONG-SIL, KR
[72] YUN, SUNG-RYUL, KR
[72] YANG, HYUN-KOO, KR
[72] MYUNG, SE-HO, KR
[72] MOURAD, ALAIN, GB
[72] GUTIERREZ, ISMAEL, GB
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2011-12-02
[41] 2012-06-07
[62] 3,001,602
[30] KR (10-2010-0123062) 2010-12-03
[30] KR (10-2011-0128148) 2011-12-02

[21] **3,147,924**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **LOW-PROFILE HEART VALVE AND DELIVERY SYSTEM**
[54] **VALVULE CARDIAQUE A PROFIL BAS ET SYSTEME DE POSE**
[72] BENICHOU, NETANEL, US
[72] ROWE, STANTON J., US
[72] CHOW, SEAN A., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2011-03-07
[41] 2011-09-09
[62] 3,059,201
[30] US (61/311,165) 2010-03-05
[30] US (13/040,896) 2011-03-04

[21] **3,147,955**
[13] A1
[25] EN
[54] **POWER CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE PUISSANCE**
[72] JASMIN, SIMON, CA
[71] SYSTEMEX-ENERGIES INC., CA
[22] 2018-02-15
[41] 2018-08-23
[62] 3,051,063
[30] US (62/459,544) 2017-02-15

[21] **3,147,960**
[13] A1
[51] **Int.Cl. A01G 31/00 (2018.01)**
[25] EN
[54] **IMPROVED HYDROPONIC PLANT CULTIVATING APPARATUS**
[54] **APPAREIL AMELIORE DE CULTURE HYDROPONIQUE DE PLANTES**
[72] BRYAN, MORRIS, US
[71] TOWER GARDEN, LLC, US
[22] 2016-05-12
[41] 2017-04-27
[62] 3,002,644
[30] US (62/243,767) 2015-10-20

[21] **3,147,961**
[13] A1
[25] EN
[54] **ANTI-FIBROTIC PYRIDINONES**
[54] **PYRIDINONES ANTI-FIBROTIQUES**
[72] BUCKMAN, BRAD OWEN, US
[72] NICHOLAS, JOHN BEAMOND, US
[72] RAMPHAL, JOHNNIE Y., US
[72] EMAYAN, KUMARASWAMY, US
[72] SEIWERT, SCOTT D., US
[71] INTERMUNE, INC., US
[22] 2013-10-01
[41] 2014-04-10
[62] 2,884,251
[30] US (61/709,075) 2012-10-02
[30] US (61/777,499) 2013-03-12
[30] US (61/872,157) 2013-08-30

[21] **3,147,965**
[13] A1
[51] **Int.Cl. B01J 23/83 (2006.01) B01J 23/94 (2006.01) B01J 37/00 (2006.01)**
[25] EN
[54] **METALLO-SILICATE CATALYST (MSC) COMPOSITIONS, METHODS OF PREPARATION AND METHODS OF USE IN PARTIAL UPGRADING OF HYDROCARBON FEEDSTOCKS**
[54] **COMPOSITIONS DE CATALYSEUR METALLO-SILICATE (MSC), PROCEDES DE PREPARATION ET PROCEDES D'UTILISATION DANS UNE VALORISATION PARTIELLE DE CHARGES D'ALIMENTATION D'HYDROCARBURES**
[72] PEREIRA ALMAO, PEDRO, CA
[72] VITALE-ROJAS, GERARDO, CA
[72] PEREZ ZURITA, MARIA JOSEFINA, CA
[72] CARBOGNANI, LANTE ANTONIO, CA
[72] SMITH, RONALD SCOTT, CA
[72] SOSA, CLEMENTINA, CA
[71] PC-CUPS LTD., CA
[71] CENOVUS ENERGY INC., CA
[22] 2016-02-03
[41] 2016-08-11
[62] 2,975,531
[30] US (62/111,982) 2015-02-04
[30] US (62/111,951) 2015-02-04

[21] **3,147,986**
[13] A1
[51] **Int.Cl. B67D 7/08 (2010.01) B67D 7/04 (2010.01) B60P 3/24 (2006.01)**
[25] EN
[54] **CROSSOVER PROTECTION SYSTEM GRAPHICAL USER INTERFACES**
[54]
[72] NELSON, MIKAEL A., US
[72] PANDEY, KAPIL, IN
[72] FINNELL, SCOTT A., US
[72] BLAIR, JEFFREY J., US
[71] KNAPPCO CORPORATION, US
[22] 2015-10-29
[41] 2016-05-12
[62] 2,966,795
[30] US (62/076,533) 2014-11-07
[30] US (14/922,646) 2015-10-26

[21] **3,148,050**
[13] A1
[25] EN
[54] **MOBILE PROCESSING SYSTEM FOR HAZARDOUS AND RADIOACTIVE ISOTOPE REMOVAL**
[54] **SYSTEME DE TRAITEMENT MOBILE POUR L'ELIMINATION D'ISOTOPES RADIOACTIFS DANGEREUX**
[72] RAYMONT, JOHN, US
[72] MERTZ, JOSHUA, US
[72] KEENAN, RICHARD, US
[72] CARLSON, DAVID, US
[72] DENTON, MARK, US
[72] HOFFERBER, GARY ALAN, US
[72] LUEY, JA-KAEL, US
[72] ORME, RONALD MERRITT, US
[72] PENLAND, ERIC VINCENT, US
[72] FITZGERALD, ZECHARIAH JAMES, US
[72] FREDRICKSON, JAMES, US
[71] VEOLIA NUCLEAR SOLUTIONS, INC., US
[22] 2015-06-24
[41] 2015-12-30
[62] 2,952,479
[30] US (62/016,517) 2014-06-24

[21] **3,148,056**
[13] A1
[51] **Int.Cl. B65D 1/12 (2006.01) B65D 25/14 (2006.01) B65D 51/16 (2006.01) B65D 81/24 (2006.01) B65D 85/72 (2006.01) C12H 1/00 (2006.01)**
[25] EN
[54] **BEVERAGE CONTAINERS WITH CONTROLLED OXYGEN TRANSMISSION FEATURES**
[54] **RECIPIENTS POUR BOISSON PRESENTANT DES CARACTERISTIQUES DE TRANSMISSIO DE L'OXYGENE REGULEES**
[72] GATEWOOD, ERIK E., US
[72] SILES, JOHN L., US
[71] BALL CORPORATION, US
[22] 2018-08-09
[41] 2019-02-14
[62] 3,072,332
[30] US (62/543,217) 2017-08-09

[21] **3,148,063**
[13] A1
[25] EN
[54] **MOVING PICTURE ENCODING METHOD AND MOVING PICTURE ENCODING APPARATUS**
[54] **METHODE DE CODAGE D'IMAGE MOBILE ET APPAREIL DE CODAGE D'IMAGE MOBILE**
[72] MATSUNOBU, TORU, JP
[72] NISHI, TAKAHIRO, JP
[72] SASAI, HISAO, JP
[72] SHIBAHARA, YOUJI, JP
[72] SUGIO, TOSHIYASU, JP
[72] TANIKAWA, KYOKO, JP
[72] TERADA, KENGO, JP
[71] TAGIVAN II LLC, US
[22] 2012-11-01
[41] 2013-05-10
[62] 3,056,874
[30] US (61/554,598) 2011-11-02

[21] **3,148,065**
[13] A1
[25] EN
[54] **MOVING PICTURE DECODING METHOD AND MOVING PICTURE DECODING APPARATUS**
[54] **METHODE DE DECODAGE D'IMAGES ANIMEES ET APPAREIL DE DECODAGE D'IMAGES ANIMEES**
[72] MATSUNOBU, TORU, JP
[72] NISHI, TAKAHIRO, JP
[72] SASAI, HISAO, JP
[72] SHIBAHARA, YOUJI, JP
[72] SUGIO, TOSHIYASU, JP
[72] TANIKAWA, KYOKO, JP
[72] TERADA, KENGO, JP
[71] TAGIVAN II LLC, US
[22] 2012-11-01
[41] 2013-05-10
[62] 3,056,869
[30] US (61/554,598) 2011-11-02

[21] **3,148,091**
[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/209 (2017.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CREATING METAL MATRIX COMPOSITE THREE-DIMENSIONAL OBJECTS**
[54] **APPAREIL ET PROCEDE DE CREATION D'OBJETS TRIDIMENSIONNELS COMPOSITES A MATRICE METALLIQUE**
[72] CARRIER, PHILIPPE, CA
[72] GELINAS-GUY, MAXENCE, CA
[71] DYZE DESIGN INC., CA
[22] 2019-07-30
[41] 2020-02-06
[62] 3,109,756
[30] US (62/712,671) 2018-07-31

[21] **3,148,103**
[13] A1
[51] **Int.Cl. C12N 15/54 (2006.01) A01H 5/00 (2018.01) C12N 5/10 (2006.01) C12N 9/10 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12P 33/00 (2006.01) C12P 33/20 (2006.01) C12P 19/18 (2006.01)**
[25] EN
[54] **GROUP OF GLYCOSYLTRANSFERASES AND USE THEREOF**
[54] **GROUPE DE GLYCOSYLTRANSFERASES ET SON UTILISATION**
[72] ZHOU, ZHIHUA, CN
[72] WEI, WEI, CN
[72] ZHANG, JUN, CN
[72] YAN, XING, CN
[72] FAN, YUN, CN
[72] WANG, PINGPING, CN
[72] WEI, YONGJUN, CN
[71] CAS CENTER FOR EXCELLENCE IN MOLECULAR PLANT SCIENCES, CN
[22] 2013-12-06
[41] 2014-06-12
[62] 2,894,195
[30] CN (201210520787.5) 2012-12-06
[30] CN (201310227689.7) 2013-06-07

[21] **3,148,133**
[13] A1
[25] EN
[54] **SHADING DEVICE FOR AN ARCHITECTURAL OPENING AND METHOD FOR ADJUSTING AN END STOP POSITION OF THE SHADING DEVICE**
[54] **PARE-SOLEIL POUR UNE BAIE ARCHITECTURALE ET PROCEDE D'AJUSTEMENT D'UNE BUTEE D'EXTREMITE DU PARE-SOLEIL**
[72] BOHLEN, JORG, NL
[71] HUNTER DOUGLAS INDUSTRIES B.V., NL
[22] 2015-01-06
[41] 2015-07-08
[62] 2,876,404
[30] NL (1040593) 2014-01-08

[21] **3,148,149**
[13] A1
[25] EN
[54] **RECEIVING APPARATUS AND RECEIVING METHOD THEREOF**
[54] **APPAREIL DE RECEPTION ET METHODE DE RECEPTION CONNEXE**
[72] MYUNG, SE-HO, KR
[72] KIM, KYUNG-JOONG, KR
[72] JEONG, HONG-SIL, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2016-02-24
[41] 2016-09-01
[62] 3,058,426
[30] US (62/120,108) 2015-02-24
[30] US (62/126,902) 2015-03-02
[30] KR (10/2015-0137187) 2015-09-27

[21] **3,148,154**
[13] A1
[51] **Int.Cl. G16H 40/40 (2018.01) G16H 10/60 (2018.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR ELECTRONIC PATIENT CARE**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR DES SOINS ELECTRONIQUES PRODIGUES A DES PATIENTS**
[72] KAMEN, DEAN, US
[72] BIASI, JOHN J., US
[72] SCARPACI, JACOB W., US
[72] KERWIN, JOHN M., US
[72] TURNER, JAMES G., US
[72] BALLANTYNE, TODD A., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2011-12-21
[41] 2013-06-27
[62] 2,860,156

[21] **3,148,160**
[13] A1
[25] EN
[54] **TRANSMITTER AND SHORTENING METHOD THEREOF**
[54] **EMETTEUR ET SON PROCEDE DE RACCOURCISSEMENT**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2016-03-02
[41] 2016-09-09
[62] 3,074,770
[30] US (62/127,023) 2015-03-02
[30] KR (10-2015-0137183) 2015-09-27

[21] **3,148,167**
[13] A1
[25] EN
[54] **EXIT DEVICE SYSTEMS AND METHODS**
[54]
[72] PFUNDER, DAN, US
[72] LACY, YONG K., US
[72] ARLINGHAUS, PAUL R., US
[72] ALI, MOHAMMED M., IN
[72] CHANDRASEKHARA, SURESHA, IN
[72] MANI, VIJAYAKUMAR, IN
[72] LEHNER, JACK R., US
[72] PHILLIPS, MATTHEW A., US
[72] BALLARD, EVAN, US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2018-02-23
[41] 2018-08-30
[62] 3,057,981
[30] US (62/463,346) 2017-02-24
[30] US (62/481,068) 2017-04-03
[30] US (62/565,563) 2017-09-29

[21] **3,148,194**
[13] A1
[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ISOLATED POLYNUCLEOTIDES AND PEPTIDES AND METHODS OF USING SAME FOR INCREASING PLANT YIELD, BIOMASS, GROWTH RATE, VIGOR, OIL CONTENT, ABIOTIC STRESS TOLERANCE OF PLANTS AND NITROGEN USE EFFICIENCY**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ET LEURS PROCEDES D'UTILISATION POUR AUGMENTER LE RENDEMENT VEGETAL, LA BIOMASSE, LA VITESSE DE CROISSANCE, LA VIGUEUR, LA TENEUR EN HUILE, LA TOLERANCE AU STRESS ABIOTIQUE DES PLANTES ET L'EFFICACITE D'UTILISATION DE L'AZOTE**
[72] EMMANUEL, EYAL, IL
[72] DIBER, ALEX, IL
[72] GOLD, EVGENIA, IL
[72] NEVO, INBAR, IL
[72] VINOCUR, BASIA JUDITH, IL
[72] AYAL, SHARON, IL
[72] RONEN, GIL, IL
[72] HERSCHKOVITZ, YOAV, IL
[72] GANG, MICHAEL, IL
[72] DIMET, DOTAN, IL
[72] IDAN, ANAT, IL
[71] EVOGENE LTD., IL
[22] 2009-05-21
[41] 2009-11-26
[62] 3,021,575
[30] US (61/071,885) 2008-05-22
[30] US (61/129,296) 2008-06-17

[21] **3,148,196**
[13] A1
[51] **Int.Cl. C07D 217/24 (2006.01) A61K 31/395 (2006.01) A61K 31/437 (2006.01) A61K 31/44 (2006.01) A61K 31/472 (2006.01) A61K 31/4725 (2006.01) A61K 31/4965 (2006.01) A61K 31/4985 (2006.01) A61K 31/50 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 213/643 (2006.01) C07D 237/14 (2006.01) C07D 241/20 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 409/04 (2006.01) C07D 413/04 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **BROMODOMAIN INHIBITORS**
[54] **INHIBITEURS DE BROMODOMAINE**
[72] BENNETT, MICHAEL JOHN, US
[72] BETANCORT, JUAN MANUEL, US
[72] BOLOOR, AMOGH, US
[72] KALDOR, STEPHEN W., US
[72] STAFFORD, JEFFREY ALAN, US
[72] VEAL, JAMES MARVIN, US
[71] CELGENE QUANTICEL RESEARCH, INC., US
[22] 2014-10-17
[41] 2015-04-23
[62] 2,927,567
[30] US (61/893,133) 2013-10-18
[30] US (61/931,467) 2014-01-24

[21] **3,148,246**
[13] A1
[51] **Int.Cl. A23K 20/158 (2016.01) A23L 33/115 (2016.01) A23D 9/00 (2006.01) C11B 1/00 (2006.01) C12N 15/82 (2006.01) C12P 7/6427 (2022.01) A01H 5/10 (2018.01)**
[25] EN
[54] **PRODUCTION OF OMEGA-3 LONG CHAIN POLYUNSATURATED FATTY ACIDS**
[54] **PRODUCTION D'ACIDES GRAS POLYINSATURES OMEGA-3 A LONGUE CHAINE**
[72] NAPIER, JOHNATHAN, GB
[72] SAYANOVA, OLGA, GB
[72] LOPEZ, NOEMI RUIZ, GB
[72] HASLAM, RICHARD, GB
[71] ROTHAMSTED RESEARCH LTD, GB
[22] 2013-04-12
[41] 2013-10-17
[62] 2,869,738
[30] GB (1206483.8) 2012-04-12
[30] GB (1222184.2) 2012-12-10

[21] **3,148,252**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS**
[54] **CAPTEURS D'ANALYTES TRANSCUTANES, APPLICATEURS ET PROCEDES ASSOCIES**
[72] PRYOR, JACK, US
[72] BOHM, SEBASTIAN, US
[72] DERENZY, DAVID, US
[72] HALAC, JASON, US
[72] KLINE, DANIEL, US
[72] LIEU, PHONG, US
[72] LIVINGSTON, ADAM, US
[72] MASTERSON, STEVE, US
[72] NEALE, PAUL, US
[72] SIMPSON, PETER C., US
[72] UBACH, ANTONIO, US
[71] DEXCOM, INC., US
[22] 2013-04-03
[41] 2013-10-10
[62] 3,075,140
[30] US (61/620,152) 2012-04-04
[30] US (13/830,540) 2013-03-14
[30] US (13/829,722) 2013-03-14
[30] US (13/826,372) 2013-03-14

[21] **3,148,289**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/48 (2006.01) B01D 53/64 (2006.01)**
[25] EN
[54] **REDUCING MERCURY EMISSIONS FROM THE BURNING OF COAL**
[54]
[72] COMRIE, DOUGLAS C., US
[71] NOX II, LTD, US
[22] 2005-04-21
[41] 2006-09-28
[62] 3,059,168
[30] US (60/662,911) 2005-03-17

[21] **3,148,296**
[13] A1
[51] **Int.Cl. F28C 3/08 (2006.01) F24F 12/00 (2006.01) F24F 13/30 (2006.01)**
[25] EN
[54] **EVAPORATIVE COOLING SYSTEM WITH LIQUID-TO-AIR MEMBRANE ENERGY EXCHANGER**
[54]
[72] LEPOUDRE, PHILIP PAUL, CA
[71] NORTEK AIR SOLUTIONS CANADA, INC., CA
[22] 2014-02-25
[41] 2014-09-18
[62] 2,904,224
[30] US (61/799,321) 2013-03-15
[30] US (14/187,413) 2014-02-24

[21] **3,148,303**
[13] A1
[25] EN
[54] **HETEROCYCLE FUSED GAMMA-CARBOLINE COMPOUNDS FOR USE IN TREATMENT OF SCHIZOPHRENIA**
[54]
[72] VANOVER, KIMBERLY, US
[72] LI, PENG, US
[72] MATES, SHARON, US
[72] DAVIS, ROBERT, US
[72] WENNOGLE, LAWRENCE P., US
[71] INTRA-CELLULAR THERAPIES, INC., US
[22] 2014-12-03
[41] 2015-06-11
[62] 2,932,610
[30] US (61/911,416) 2013-12-03
[30] US (61/925,607) 2014-01-09
[30] US (61/975,702) 2014-04-04
[30] US (62/032,326) 2014-08-01

[21] **3,148,309**
[13] A1
[25] EN
[54] **METHODS AND APPARATUS TO PREDICT END OF STREAMING MEDIA USING A PREDICTION MODEL**
[54] **PROCEDES ET APPAREIL POUR PREDIRE LA FIN D'UNE DIFFUSION MULTIMEDIA EN FLUX CONTINU A L'AIDE D'UN MODELE DE PREDICTION**
[72] BESEHANIC, JAN, US
[71] THE NIELSEN COMPANY (US), LLC., US
[22] 2014-12-02
[41] 2016-03-03
[62] 2,958,125
[30] US (14/473,602) 2014-08-29

[21] **3,148,314**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **PERIPHERAL SYSTEMS**
[54] **SYSTEMES PERIPHERIQUES**
[72] KAMEN, DEAN, US
[72] GRAY, LARRY B., US
[72] BEAVIS, RUSSELL H., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2007-02-09
[41] 2007-08-16
[62] 3,059,992
[30] US (60/772,313) 2006-02-09
[30] US (60/789,243) 2006-04-05
[30] US (60/793,188) 2006-04-19

[21] **3,148,322**
[13] A1
[25] EN
[54] **METHODS FOR FUEL CONVERSION**
[54] **METHODES DE CONVERSION DE CARBURANT**
[72] FAN, LIANG-SHIH, US
[72] LUO, SIWEI, US
[72] ZENG, LIANG, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[22] 2014-02-05
[41] 2014-08-14
[62] 2,900,192
[30] US (61/761,016) 2013-02-05
[30] US (61/779,243) 2013-03-13

[21] **3,148,326**
[13] A1
[25] EN
[54] **HETEROCYCLE FUSED GAMMA-CARBOLINE COMPOUNDS FOR USE IN TREATMENT OF SCHIZOPHRENIA**
[54]
[72] VANOVER, KIMBERLY, US
[72] LI, PENG, US
[72] MATES, SHARON, US
[72] DAVIS, ROBERT, US
[72] WENNOGLE, LAWRENCE P., US
[71] INTRA-CELLULAR THERAPIES, INC., US
[22] 2014-12-03
[41] 2015-06-11
[62] 2,932,610
[30] US (61/911,416) 2013-12-03
[30] US (61/925,607) 2014-01-09
[30] US (61/975,702) 2014-04-04
[30] US (62/032,326) 2014-08-01

[21] **3,148,368**
[13] A1
[25] EN
[54] **VEHICLE STATUS MONITORED WITH DOCKED SMART DEVICE**
[54]
[72] GIRAUD, DAMON JAY, CA
[72] KWONG, DOMINIQUE, CA
[72] LEUNG, RAYMOND C.L., CA
[71] DAMON MOTORS INC., CA
[22] 2019-06-06
[41] 2019-12-12
[62] 3,102,639
[30] US (62/681,835) 2018-06-07

[21] **3,148,373**
[13] A1
[25] EN
[54] **POWER CONTROL DEVICE**
[54]
[72] JASMIN, SIMON, CA
[71] SYSTEMEX-ENERGIES INC., CA
[22] 2019-03-19
[41] 2019-09-26
[62] 3,094,417
[30] US (62/644,800) 2018-03-19

[21] **3,148,466**
[13] A1
[25] EN
[54] **COMPOSITE PANEL EDGE TREATMENTS AND JOINTS AND CARGO BODY HAVING SAME**
[54] **TRAITEMENT DE BORD DE PANNEAU COMPOSITE, ET JOINTS ET CORPS DE CARGO EN COMPORTANT**
[72] FENTON, GARY L., US
[71] STI HOLDINGS, INC., US
[22] 2015-06-04
[41] 2015-12-04
[62] 2,894,059
[30] US (62/007,807) 2014-06-04

[21] **3,148,563**
[13] A1
[51] **Int.Cl. H04S 1/00 (2006.01)**
[25] EN
[54] **GENERATING BINAURAL AUDIO IN RESPONSE TO MULTI-CHANNEL AUDIO USING AT LEAST ONE FEEDBACK DELAY NETWORK**
[54] **GENERATION DE FREQUENCE AUDIO BINAURALE EN REPONSE A UNE FREQUENCE AUDIO MULTICANAL AU MOYEN D'AU MOINS UN RESEAU A RETARD DE RETROACTION**
[72] BREEBAART, DIRK J., AU
[72] COOPER, DAVID M., AU
[72] DAVIDSON, GRANT A., US
[72] SHUANG, ZHIWEI, CN
[72] WILSON, RHONDA, US
[72] YEN, KUAN-CHIEH, US
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[22] 2014-12-18
[41] 2015-07-09
[62] 3,043,057
[30] US (61/923579) 2014-01-03
[30] CN (201410178258.0) 2014-04-29
[30] US (61/988617) 2014-05-05

[21] **3,148,579**
[13] A1
[25] EN
[54] **ELECTRONIC INHALATION DEVICE**
[54] **INHALATEUR ELECTRONIQUE**
[72] LORD, CHRISTOPHER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[22] 2013-10-09
[41] 2014-04-24
[62] 3,037,030
[30] GB (1218820.7) 2012-10-19

[21] **3,148,874**
[13] A1
[51] **Int.Cl. A61J 15/00 (2006.01) A61M 16/06 (2006.01) A61M 25/02 (2006.01)**
[25] EN
[54] **A TUBE SECUREMENT SYSTEM**
[54] **SYSTEME DE FIXATION DE TUBE**
[72] GULLIVER, LAURENCE, NZ
[72] HOPKINS, CAROLINE GERALDINE, NZ
[72] DUTHIE, NEIL GRAY, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[22] 2013-04-17
[41] 2013-10-24
[62] 2,870,496
[30] US (61/625,583) 2012-04-17
[30] US (61/678,028) 2012-07-31

[21] **3,148,877**
[13] A1
[25] EN
[54] **LOGICAL ROUTER WITH MULTIPLE ROUTING COMPONENTS**
[54]
[72] ZHANG, RONGHUA, US
[72] CHANDRASHEKHAR, GANESAN, US
[72] RAVINOOTHALA, SREERAM, US
[72] FAN, KAI-WEI, US
[71] NICIRA, INC., US
[22] 2016-01-29
[41] 2016-08-04
[62] 2,974,535
[30] US (62/110,061) 2015-01-30
[30] US (14/814,469) 2015-07-30
[30] US (14/814,477) 2015-07-30
[30] US (14/814,473) 2015-07-30

[21] **3,148,917**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01)**
[25] EN
[54] **COMPLEMENT BINDING APTAMERS AND ANTI-C5 AGENTS USEFUL IN THE TREATMENT OF OCULAR DISORDERS**
[54] **APTAMERES DE LIAISON DU COMPLEMENT ET AGENTS ANTI-C5 UTILES DANS LE TRAITEMENT DE TROUBLES OCULAIRES**
[72] EPSTEIN, DAVID, US
[72] KURZ, JEFF C., US
[71] ARCHEMIX LLC, US
[22] 2007-03-08
[41] 2007-09-13
[62] 3,009,846
[30] US (60/780,905) 2006-03-08
[30] US (60/848,274) 2006-09-29

[21] **3,148,963**
[13] A1
[25] EN
[54] **AUDIO ENCODERS, AUDIO DECODERS, METHODS AND COMPUTER PROGRAMS ADAPTING AN ENCODING AND DECODING OF LEAST SIGNIFICANT BITS**
[54] **CODEURS AUDIO, DECODEURS AUDIO, PROCEDES ET PROGRAMMES INFORMATIQUES ADAPTANT UN CODAGE ET UN DECODAGE DE BITS LES MOINS SIGNIFICATIFS**
[72] RAVELLI, EMMANUEL, DE
[72] FUCHS, GUILLAUME, DE
[72] SCHNELL, MARKUS, DE
[72] TOMASEK, ADRIAN, DE
[72] GEYERSBERGER, STEFAN, DE
[71] FRAUNHOFER-GELELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV, DE
[22] 2018-11-08
[41] 2019-05-16
[62] 3,082,282
[30] EP (PCT/EP2017/078959) 2017-11-10

[21] **3,148,999**
[13] A1
[51] **Int.Cl. G10L 19/032 (2013.01)**
[25] EN
[54] **AUDIO ENCODERS, AUDIO DECODERS, METHODS AND COMPUTER PROGRAMS ADAPTING AN ENCODING AND DECODING OF LEAST SIGNIFICANT BITS**
[54] **CODEURS AUDIO, DECODEURS AUDIO, PROCEDES ET PROGRAMMES INFORMATIQUES ADAPTANT UN CODAGE ET UN DECODAGE DE BITS LES MOINS SIGNIFICATIFS**
[72] FUCHS, GUILLAUME, DE
[72] GEYERSBERGER, STEFAN, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[72] TOMASEK, ADRIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[22] 2018-11-08
[41] 2019-05-16
[62] 3,082,282
[30] EP (PCT/EP2017/078959) 2017-11-10

Index of Canadian Patents Issued

March 8, 2022

Index des brevets canadiens délivrés

8 mars 2022

10353744 CANADA LTD. 2,986,817
4C MEDICAL TECHNOLOGIES, INC. 3,111,838
9163-0384 QUEBEC INC. 2,927,658
ABB SCHWEIZ AG 3,093,773
ABE, KANAKO 2,870,940
ABEDRABOH, MAMOON TAWFIQ 3,025,037
ABS GLOBAL, INC. 2,929,275
ADAMO, NICK 3,016,010
ADVANCED NEW TECHNOLOGIES CO., LTD. 3,061,265
AGRAWAL, PARAG 3,057,656
AHMAD, SAIF 3,132,984
AHMED, HANY 3,069,499
AHOLA, PIRJO 2,913,448
AIRBUS DEFENCE AND SPACE GMBH 3,060,447
AJAMI, DARIUSH 3,002,809
AKIKI, STEPHEN 3,058,936
AL-MURAYRI, MOHAMMED TAHA 2,952,864
ALERT INNOVATION INC. 3,058,936
ALEXANDER, SIMON 2,903,088
ALEXANDERSSON, OSCAR 3,065,853
ALI, SIMAK 2,939,786
ALLNEX NETHERLANDS B.V. 2,983,155
ALLSTATE INSURANCE COMPANY 3,026,415
ALPEGIANI, MARCO 2,938,023
AMEZAGA, FEDERICO 2,996,890
AMGEN INC. 2,679,841
AMGEN RESEARCH (MUNICH) GMBH 2,774,919
AMRONA AG 2,953,188
AN, KYUNG-MI 3,042,528
ANDERSON, CHARLES ABERNETHY 2,972,829
ANDERSON, DAVID 3,002,809
ANDERSON, JEFFERY S. 2,985,931
ANDERSON, RICHARD ROX 3,047,587
ANDREWS, TIMOTHY FRANCIS 3,013,130
ANISI, DAVID 3,093,773
AOKI TECHNICAL LABORATORY, INC. 3,097,870
AOKI, SHIGETO 3,097,870
API SCHMIDT-BRETTEN GMBH & CO. KG 2,938,802
APPLEYARD, DAVID 2,929,275
ARCELORMITTAL 2,962,183
ARCELORMITTAL 3,039,849
ARNOLD, STEPHEN C. 2,830,255
ARSENAULT, JONATHAN A. 3,028,616
ARSENAULT, STEVE 2,927,658
ASHER, JOSEPH M. 2,564,301
ASIA SATELLITE TELECOMMUNICATIONS COMPANY LIMITED 2,883,278
ASKELSEN, TAYTE 3,071,906
ATKINSON, OLIVIA DIANE LOUISE AMY 2,931,315
AUGER, JEREMY JASON 2,723,653
BACA, BRIAN J. 3,070,368
BACHAR, YEHUDA 2,973,835
BACKSTROM, JOHAN U. 3,055,434
BADYAL, JAS PAL SINGH 2,931,315
BAEUERLE, PATRICK 2,774,919
BAIL & BURNIT PTY LTD 2,962,146
BAILEY, IAN C. 2,882,221
BAILEY, MARK SAMUEL 3,013,130
BAKER, JOHN ALLAN 2,723,653
BAKER, TIM 2,901,171
BAKHRU, SASHA H. 2,846,858
BALABINE, IGOR 3,024,960
BALAKRISHNAN, MINI 3,008,442
BALASUBRAMANIAN, ASWIN 3,052,651
BALDINI, GIANMARCO 2,937,713
BAOSHAN IRON & STEEL CO., LTD. 3,088,327
BARDIOT, DOROTHEE ALICE MARIE-EVE 2,981,845
BARON, PHILIPPE 3,008,814
BARRETT, ANTHONY 2,939,786
BARTEL, LEWIS 2,982,453
BARTOLI, ANDREA 2,922,803
BASSI, NEAL 3,082,394
BATES, ADAM 3,071,906
BATES, RICHARD H., JR. 3,076,966
BAUER HOCKEY LTD. 2,984,944
BAUER HOCKEY LTD. 3,054,547
BAUTZE, THIBAULT 2,925,039
BAYER CROPSCIENCE AKTIENGESELLSCHAFT 2,895,127
BCE INC. 3,028,616
BECKMAN, GREGORY 2,723,653
BEITA, JADEED 3,072,691
BELANGER, INC. 2,957,033
BELANGER, MICHAEL J. 2,957,033
BELJAMBE, CEDDRIC 2,922,896
BELLIVEAU, LUC 2,723,653
BENNETT, JEFFREY D. 3,076,966
BENOIT, DANY 2,723,653
BENTRIM, BRIAN 2,922,677
BERGE, VINCENT 2,901,171
BERGMAN, PETER 3,058,020
BETTHAUSER, JEFF 2,929,275
BEYOND MEAT, INC. 3,002,809
BHAT, GIREESH 3,052,651
BHATTACHARYYA, ONIK 2,954,929
BIDAL, JEAN-MARIE 2,984,944
BIEWER, JOHN A. 3,069,664
BINZER, LOTHAR DAN 3,066,425
BIOATLANTIS LTD 2,762,159
BIOUD, JEREMY LUCIEN JACQUES 2,935,314
BLACKBERRY LIMITED 2,895,776
BLOCK, CLIFFORD H. 2,813,322
BLOCK, GLADYS M. 2,813,322
BLOCK, TORIN J. 2,813,322
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 2,881,361
BOGDAN, TEODORA 3,039,849
BOGGAVARAPU, DEEPAK 3,044,997
BOKHOVE, JEROEN 3,019,265
BONDKE, ALEXANDER 2,939,786
BONFANTI, JEAN-FRANCOIS 2,981,845
BONTU, CHANDRA SEKHAR 2,895,776
BOREALIS AG 3,112,874
BOREALIS AG 3,135,074
BORUD, ERIC U. 3,076,966
BORVAN, DANIEL W. 3,121,590
BOUCHARD, HERBERT J. 3,113,774
BOUCHARD, HERBERT J. 3,113,781
BOULANGER, JEAN-FRANCOIS 2,879,218
BOUMA, MAREK 2,909,823
BOURGET, SEBASTIEN 2,935,314
BRACHT, BRADLEY A. 3,076,966
BRADLEY, PHILLIP 2,962,146
BRANDT, SCOTT A. 2,778,997
BRAUN, HERMANN 3,135,074
BRINKHUIS, RICHARD HENDRIKUS GERRIT 2,983,155
BRITTON, DANIEL WILLIAM 2,969,079
BROWN, CLINT ADAM 3,052,651
BROWN, PHILIP SIMON 2,931,315
BRUCE, KEITH 3,114,141
BRUGGEMANN, DIRK 2,895,127
BUDYN, MAREK 2,899,279
BUEB, NADIA 2,971,574
BULAT, GHENADIE 3,072,691
BULAVKIN, SERGEY VIKTOROVICH 2,932,602
BURGOPAK LIMITED 3,060,799
BUSER, ANTONIUS JOHANNES WILHELMUS 2,983,155
BUSH, MICHAEL 3,041,869
BUTTERFLY MEDICAL LTD. 2,973,835
BWXT MPOWER, INC. 2,956,018
BYRNE, JAMES M. 2,859,910
C. R. BARD, INC. 2,938,957
CADY, ERIC 2,933,574

Index des brevets canadiens délivrés
8 mars 2022

CAI, ZHIJUN 2,895,776
CALDWELL, JOHN RYAN 3,047,669
CAMPBELL, JOSH 2,972,829
CANADIAN HEATING PRODUCTS INC. 3,066,425
CANCER RESEARCH TECHNOLOGY LIMITED 2,939,786
CANNAN, CHAD 2,982,453
CANTIN, MAXIME 3,040,094
CAPE, SAMUEL M. 2,904,356
CAPITAL ONE SERVICES, LLC 3,041,269
CAPITINI, DAVIDE 2,922,803
CARBO CERAMICS INC. 2,982,453
CARMEAN, DOUGLAS 3,034,016
CARR, BRIAN A. 3,008,442
CARSON, BROOK 3,082,394
CASALE SA 2,914,793
CAUSEY, JAMES 3,078,348
CEASS, RICHARD WALLACE 3,025,037
CEPURAN, BRIAN 2,723,653
CFPH, LLC 2,564,301
CFPH, LLC 2,585,324
CHALIFOUX, STEPHANE 2,984,944
CHALMERS, MATTHEW WILLIAM 3,048,704
CHAMPAGNE, GAETAN 2,984,944
CHAN, DEVA 2,922,143
CHAN, HENRY HIN LEE 3,047,587
CHANG, CHENG 3,113,368
CHAO, YU-SHENG 2,996,281
CHAPMAN, KENNETH 2,723,653
CHARLEMAGNE, PIERRICK 2,929,951
CHAUVIN, DEWEY 3,054,547
CHEE, MARK 2,916,662
CHEER GLOBAL LIMITED 3,113,147
CHEIM, LUIZ V. 2,899,279
CHEMETICS INC. 2,882,221
CHEN, JIANMING 3,039,939
CHEN, SHUHUI 3,114,646
CHEN, SHUHUI 3,116,440
CHEN, TAO 3,039,849
CHEN, TONGWEN 3,055,434
CHERNOVSKAYA, TATYANA VENIAMINOVNA 2,941,656
CHERNYH, YULIA SERGEEVNA 2,941,656
CHESAVAGE, JAY 2,994,244
CHHEDA, JUBEN NEMCHAND 2,933,291
CHILDREN'S MEDICAL CENTER CORPORATION 2,928,972
CHIRKO, ROMAN 3,070,368
CHORVATH, IGOR 3,114,141
CHRISTENSEN, WILLIAM M. 2,902,555
CHU, SHUANGJIE 3,088,327
CHUANG, CHIHYUAN 2,860,323
CHUC GAMBOA, EDUARDO ADRIAN 2,967,298
CITRIX SYSTEMS, INC. 3,122,265
CLARK, DAVID WILLIAM 3,028,616
CLERAL INC. 2,992,348
CLOSED JOINT STOCK COMPANY "BIOCAD" 2,941,656
CNH INDUSTRIAL AMERICA LLC 3,000,437
CNOOC PETROLEUM NORTH AMERICA ULC 2,952,864
CO2PAC LIMITED 2,898,357
COBOS URDANETA, SYGIFREDO 3,127,837
COLGATE-PALMOLIVE COMPANY 2,958,052
COLGATE-PALMOLIVE COMPANY 2,971,574
COLLAR, BENJAMIN 2,882,973
COMAU S.P.A. 2,961,008
COMCAST CABLE COMMUNICATIONS, LLC 2,751,731
CONOCOPHILIPS COMPANY 2,943,134
CONOCOPHILLIPS COMPANY 2,945,316
CONRAD, NINA 3,076,938
CONRAD, WAYNE ERNEST 3,076,938
COOK, MIKE 2,751,731
COOLMAN, TIMOTHY J. 3,020,945
COOMBES, CHARLES 2,939,786
CORBIN, JOHN 3,008,442
CORE INNOVATIONS LIMITED 3,039,939
CORMIER, DANNY 2,723,653
COSTAKIS, ALEXANDER M. 2,585,324
COTE, ROLAND 3,042,919
COURTEMANCHE, MARC-ANDRE 3,114,141
COVESTRO DEUTSCHLAND AG 2,957,320
CRAIG, BENJAMIN 2,723,653
CRIST, ERNEST M., JR. 3,020,347
CRISTIANO, TANIA 2,938,023
CRNKOVICH, MARTIN 2,912,189
CROMPTON, DAVID B. 3,113,774
CROMPTON, DAVID B. 3,113,781
CUI, SHUO-LIN 3,042,528
D2L CORPORATION 2,723,653
DADHANIYA, JANAK 3,041,269
DAI, GUOQIANG 3,114,646
DAOUST, NORMAN 2,723,653
DAS, SAZOL KUMAR 3,069,499
DATTA, SANDEEP ROBERT 2,928,972
DAVIES, DONALD W. 3,039,849
DAVIS, ROBERT DANE 3,072,745
DAVIS, STEPHEN J. 3,054,547
DE WOLF, ELWIN ALOYSIUS CORNELIUS ADRIANUS 2,983,155
DEFAYS, SABINE 2,930,209
DELEU, ARNAUD 3,008,814
DELLA VALLE, FRANCESCO 2,884,898
DELLA VALLE, MARIA FEDERICA 2,884,898
DELLEVIGNE, LAURA 2,998,736
DENG, FEI 3,039,849
DEWITT, BRANDON 3,047,664
DIAS, LIBARDO OCHOA 3,113,774
DIAS, LIBARDO OCHOA 3,113,781
DIC CORPORATION 2,921,214
DIEDERING, JASON S. 3,111,838
DIFILIPO, PAUL P. 2,956,018
DILL, JESSE 3,002,809
DING, CHUNYONG 2,911,620
DIXON, MATHEW 2,938,957
DJO, LLC 3,000,778
DOLL, JOHN WILLIAM ARTHUR 2,844,176
DOTTER, JAMES 3,047,669
DOUBLET, JULIEN 2,879,218
DOW SILICONES CORPORATION 3,114,141
DOWNES, STEPHEN 2,723,653
DRENCKO, JIRI 3,041,735
DROSTE, HEINRICH 3,067,915
DU, HUABING 3,061,265
DUMONT, MAXIME 2,927,658
DURAND, GUILLAUME 2,723,653
EAKINS, WILLIAM 2,899,279
EARLY, STEPHEN JOSEPH 3,016,010
EATON INTELLIGENT POWER LIMITED 3,060,304
EBERSOLD, RICHARD L. 3,020,945
ECOLAB USA INC. 2,902,555
ECOLAB USA INC. 2,975,267
ECP ENTWICKLUNGSGESELL SCHAFT MBH 2,745,528
EIBL, HANSJORG 2,922,627
EISENLOHR, BRETT 3,057,097
EKIMOVA, VICTORIA MIKHAILOVNA 2,941,656
EL ANDALOUSSI, SAMIR 3,024,020
ELBERT, TROY L. 3,020,945
ELIA, CARMINE 3,119,380
ELSHARQAWY, MOSTAFA 2,915,036
EMBRECHTS, WERNER 2,913,028
EMORY UNIVERSITY 2,939,786
ENOVIST INC. 3,127,837
EPITECH GROUP S.R.L. 2,884,898
ESCO GROUP LLC 2,955,187
ESSITY HYGIENE AND HEALTH AKTIEBOLAG 3,058,020
EVAIN, GAEL 2,935,314
EVDOKIMOV, STANISLAV RUDOLFOVICH 2,941,656
EVOX THERAPEUTICS LTD 3,024,020
F. HOFFMANN-LA ROCHE AG 2,675,564
FABOZZI, THIERRY JEAN ROBERT 2,998,736
FAIRFIELD INDUSTRIES INCORPORATED 2,996,790
FALETTI, STEVE 3,041,269
FARELA VIZINHO, ALFREDO MANUEL 2,920,502
FARMER, SEAN 3,041,869
FAUST, MARJORIE 2,929,275
FEARS, BRETT 3,070,357
FILATYEV, SERGEI A. 2,943,134
FILIPPI, ERMANNO 2,914,793
FISHER & PAYKEL HEALTHCARE LIMITED 2,880,749
FISSELER, GLENN D. 2,996,790
FMC TECHNOLOGIES, INC. 3,070,368
FOGARTY, THOMAS G. 3,078,348
FOILES, DOUG 3,060,421
FONTANEL, EDDY STEPHANE JOEL 2,935,314

Index of Canadian Patents Issued
March 8, 2022

FONTES DA ROCHA CASTRO, JOAO MIGUEL 2,920,502
FORBES, MICHAEL 3,055,434
FORMAN, MICHAEL, ROBERT 2,907,252
FOSNIGHT, WILLIAM J. 3,058,936
FOX, RYAN 3,083,508
FRAAS, CHRISTIAN 2,925,039
FRANSSON, THOMAS 2,970,961
FREE-FREE INDUSTRIAL CORP. 2,964,529
FRENCH, JAMES E. 3,087,901
FRESENIUS MEDICAL CARE HOLDINGS, INC. 2,912,189
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,069,664
FRIPP, MICHAEL LINLEY 3,052,651
FRISCHAUF, PETER 3,048,073
FROSELL, THOMAS JULES 3,052,651
FUCHS, LAWRENCE J. 2,904,352
FUCHTER, MATTHEW 2,939,786
FUHLBRIGGE, THOMAS A. 2,899,279
FURUKAWA, SHINYA 3,058,374
GAAL, SEAN 3,114,141
GAGNON, ALLEN JOSEPH MARC 2,992,348
GAHLEITNER, MARKUS 3,135,074
GALLAGHER, MICHAEL 2,762,159
GALLOP, DAVID 2,903,088
GALLOWAY MCLEAN, CLAIRE ROSALEEN 2,933,574
GANDHI, SATISH L. 2,945,316
GANEDEN BIOTECH, INC. 3,041,869
GARDNER, DOUGLAS B. 2,975,267
GARG, ATUL KUMAR 3,132,984
GARRIDO, HERNANDO 3,069,664
GATES, GEORGE 2,994,244
GATTIGLIO, MAURIZIO 2,961,008
GAUDET, DANIEL 2,927,658
GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD. 3,057,266
GDF SUEZ 2,925,440
GEHANI, NEIL P. 2,750,220
GEISTLINGER, TIMOTHY 3,002,809
GENERAL ELECTRIC COMPANY 3,013,130
GERARDY, JEAN-CLAUDE 3,039,849
GESSNER, MICHAEL ANTHONY 2,983,155
GHASSEMI, ALI 2,723,653
GIBSON, SCOTT R. 3,078,348
GIFT, DAVID 3,071,906
GILCHREST, MOLLY 2,933,291
GILDERSLEEVE, RICHARD 3,000,778
GILEAD SCIENCES, INC. 3,008,442
GIORGINI, ALBERT M. 3,091,147
GISH, ERIN R. 2,985,931
GLOBAL BLOOD THERAPEUTICS, INC. 2,860,323
GOBLE, JACOB A. 3,053,123
GOEDEGEBUURE, RIEN 2,983,155
GOMEZ, NICHOLAS 3,000,778
GONCALVES, EMILIE 2,935,977
GONCHAROVA, OLGA VLADIMIROVNA 2,941,656
GONG, ZHEN 3,116,440
GOODWIN, BILL 3,016,010
GOVIND, PRADEEP ANANTH 2,943,134
GOVINDAN, PRAKASH 2,915,036
GPCP IP HOLDINGS LLC 2,904,352
GRAND VALLEY STATE UNIVERSITY 3,067,992
GRAY, KYLE 3,072,745
GREAT ENGINEERING TECHNOLOGY CORP. 3,041,477
GRIES, FLORIAN 3,060,447
GRILLENZONI, ALESSANDRO 2,922,803
GULEWICZ, NEIL 2,934,109
GUPTA, ALOK KUMAR 2,967,298
GUTHRIE, RODERICK 3,006,862
GUYTON, WILLIAM 2,996,790
GY, RENE 2,926,172
H.B. FULLER COMPANY 3,091,147
HAGEN, KLAUS 3,081,522
HALLIBURTON ENERGY SERVICES, INC. 3,052,651
HALMDIENST, MARTINA 3,051,602
HAMMER, JEROEN 2,880,749
HAN, HQ 2,679,841
HANSAL, SELMA 3,051,602
HANSAL, WOLFGANG 3,051,602
HAO, XIUJUAN 2,981,768
HARA, HIDEKIYO 2,870,940
HARDING, THOMAS 2,952,864
HARDY, JAMES 2,939,251
HART, STEVEN 2,930,879
HASEBE, YUICHI 2,966,574
HASEGAWA, SEIJI 2,966,574
HASHIMOTO, KENJI 2,923,685
HATTORI, SHINOBU 3,041,416
HAWKINS, WILLIAM 2,944,069
HAWKS, DAVID J. 2,830,255
HAYASHIDA, HIROYUKI 3,058,374
HAYS, ELISA MICHELLE 2,902,148
HAYTHORNTHWAITE, ANDREW PAUL 2,926,804
HAYTHORNTHWAITE, DAVID RYAN 2,926,804
HAYWOOD, JAMES WILLIAM 2,845,116
HE, NING 3,055,434
HE, TOM XIAOHAI 3,078,348
HEAN, JUSTIN 3,024,020
HEARD, DAVID W. 3,020,347
HEATON, ANTHONY A. 3,072,745
HECHT, NATHANAEL S. 3,070,101
HEER, JAG PAUL 2,930,209
HEITKAMP, DIETER 2,957,320
HELLSTROM, STEFAN 3,112,874
HENDERSON, RICHARD S. 2,912,360
HERZOG SERVICES INC. 3,020,945
HERZOG, KARL L. 2,945,316
HIBEN, BRADLEY M. 3,115,515
HIFI ENGINEERING INC. 2,934,109
HIRTENBERGER ENGINEERED SURFACES GMBH 3,051,602
HITACHI ENERGY SWITZERLAND AG 2,899,279
HIYOSHI, MASATAKA 3,058,374
HODGES, WES 2,903,088
HOFLAND, DANIEL 3,071,906
HOLDERMAN, LUKE WILLIAM 3,052,651
HOLY STONE BIOTECH CO., LTD. 2,921,830
HONEGGER, ANDREW 2,954,929
HONEYWELL LIMITED 3,055,434
HONG, CHANG-HEE 3,042,528
HORSFALL, ANDREW 2,912,360
HOSP, THOMAS 2,921,066
HOWELL, JUSTIN A. 2,898,357
HOWMET AEROSPACE INC. 3,020,347
HRT INVESTORS PTY LTD 2,962,146
HSIAO, WEN-JUI 3,041,477
HU, HAI 2,883,278
HU, ZHUOCHAO 3,088,327
HUANG, XUEYAN 2,997,034
HUAWEI TECHNOLOGIES CO., LTD. 2,997,034
HUBBELL INCORPORATED 3,018,319
HUBBELL INCORPORATED 3,025,037
HUBNER, GERHARD 3,135,074
HULL, JOHN 2,934,109
HULS, ERIC D. 3,026,415
HUNTER, MARK S. 2,904,352
HUNTER, TRAVIS A. 2,898,357
IIJIMA, TAKASHI 3,058,374
IKAI, KAZUYA 3,079,735
IKEDA, TAKEO 2,921,214
IL DONG PHARMACEUTICAL CO., LTD. 3,042,528
INDASA-INDUSTRIA DE ABRASIVOS, S.A. 2,920,502
INDUSTRIE DE NORA S.P.A. 2,939,337
INFORMATICA LLC 3,024,960
INNOVA PATENT GMBH 3,041,735
INOUE, YU 2,966,574
INTELLIGENT DRILLING TOOLS LIMITED 2,939,251
INTERACTIVE SOLUTIONS INC. 3,062,842
INTERROLL HOLDING AG 3,067,915
INTUIT INC. 3,060,421
IP2IPO INNOVATIONS LIMITED 2,939,786
IPEX TECHNOLOGIES INC. 2,962,521
ISAC, MIHAIELA 3,006,862
ISHIBASHI, YUSUKE 3,124,662
ISHIHARA SANGYO KAISHA, LTD. 2,901,086
ITANI, YUSUKE 3,033,984
IVANOV, ROMAN ALEXEEVICH 2,941,656
JACKSON, VICTORIA ELIZABETH 2,930,209
JAHNS, STEVEN KARL 2,844,176
JAIN, PARUL 3,060,421
JALILIAN, SEYED EHSAN 2,934,109
JANKOVIC, DIMITRIJE 2,723,653

Index des brevets canadiens délivrés
8 mars 2022

JANSSEN PHARMACEUTICALS, INC. 2,981,845
JANSSEN SCIENCES IRELAND UC 2,913,028
JANTZ, SCOTT 2,923,320
JENNI, HANS-RUDOLF 3,076,966
JENNINGS, MATTHEW J. 2,865,333
JEZIERSKI, DOMINIC 3,016,010
JI, YAMING 3,088,327
JOFFRION, LAMAR LANE 2,933,291
JOHNSON & JOHNSON VISION CARE, INC. 2,845,116
JOHNSON, CHAD M. 3,000,437
JOHNSON, JAMES ANDREW 2,930,209
JOHNSON, KIMBERLY ANN 2,933,291
JOHNSTON, STACI J. 2,975,267
JOINT STOCK COMPANY "AKME-ENGINEERING" 2,932,602
JONCKERS, TIM HUGO MARIA 2,913,028
JONCKERS, TIM HUGO MARIA 2,981,845
JORGENSEN, JENS H. 2,830,255
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) 3,079,735
KAHLEN, SUSANNE 3,135,074
KALBASENKA, ALIAKSEI 3,019,265
KAMAE, TOSHIYA 2,939,193
KANG, JAE-HOON 3,042,528
KANUCH, DAVID J. 2,956,018
KARA, YLMAZ 2,925,440
KARHUNEN, PIRKKO 2,913,448
KASER, UWE 3,067,915
KATHOLIEKE UNIVERSITEIT LEUVEN 2,981,845
KEENIHAN, JAMES 3,114,141
KEHOE, MICHAEL P. 2,923,257
KELLY, MICHAEL T. 2,898,357
KESTELEYN, BART RUDOLF ROMANIE 2,981,845
KHAN, ASIF A. 3,069,664
KIDO, SHOTA 3,078,787
KILPELAINEN, ILKKA 2,913,448
KIM, JENNIFER 2,844,176
KINASHI, HIKARU 3,079,735
KING FAHD UNIVERSITY OF PETROLEUM & MINERALS 2,915,036
KING, ALISTAIR W. T. 2,913,448
KLEEMAN, ALEXANDER 2,997,262
KNEBLE, DAVID 3,016,010
KOCINSKA, AGNIESZKA 2,971,574
KOGEL-HOLLACHER, MARKUS 2,925,039
KOHLER, BEAT R. 3,076,966
KOMURA, TOMOKO 3,058,374
KOOLS, JOHANNES MARINUS QUIRINUS 2,950,591
KORZHAVIN, DMITRIY VALERIEVICH 2,941,656
KOSTA, ALBANA 2,938,957
KOVACEVICH, IAN 3,000,778
KRAEMER, CHAD 2,874,296
KRASSNITZER, SIEGFRIED 2,916,769
KREINDLER, DANNY 2,994,244
KREMERS, STEPHAN 2,926,172
KROEPLIEN, BORIS 2,930,209
KROLL, SEBASTIAN 2,939,786
KUFER, PETER 2,774,919
KUMAR, SARAVANA B. 3,111,838
KURAPOV, DENIS 2,916,769
KWAK, HYUN-JUNG 3,042,528
KWAK, KEITH SOO-NYUNG 2,679,841
KWOK, SUI YI 3,113,147
KYLLONEN, LASSE 2,913,448
L&H INDUSTRIAL, INC. 3,070,101
L&P PROPERTY MANAGEMENT COMPANY 3,015,228
LACOURT, MICHAEL W. 2,830,255
LAKSHMANAN, VALLIAPPA 2,997,262
LAM, STEVEN 2,915,036
LAMBERT, JOCELYN 2,927,658
LAMBERT, PIERRE 2,971,574
LANOUE, COREY 3,071,906
LAPOINTE, CHRISTIAN 3,040,094
LARSEN, JOHN 2,929,275
LAST, STEFAAN JULIEN 2,913,028
LASTRA, RAFAEL ADOLFO 3,044,747
LAULICHT, BRYAN E. 2,846,858
LE BORGNE, BENEDICTE 2,935,977
LE GROUPE ROVIBEC INC. 3,123,265
LEBLANC, MARIO 3,123,265
LECERF, BRUNO 2,874,296
LECUYER, DANIEL J. 2,881,943
LEE, CHIN-SHAN 3,041,477
LEE, HONG-SUB 3,042,528
LEFKOWITZ, ANDREW R. 3,041,869
LEHANE, KIERAN ANDREW 2,930,879
LEI, ZHISHENG 3,057,266
LEIDIG, THORSTEN 2,957,320
LEROUX, DELPHINE 2,929,951
LERT, DEVIN 3,058,936
LERT, JOHN G., JR. 3,058,936
LESNIAK, EWELINA 2,958,052
LESTRINGANT, CLAIRE 2,926,172
LEUNG, HARRY YIN CHUNG 2,883,278
LEUNG, MARTIN KWAN YU 2,962,521
LEUTARD, FLORENCE IRENE NOELLE 2,935,314
LI, GUOBAO 3,088,327
LI, JIAN 3,114,646
LI, JIAN 3,116,440
LI, JUN 2,922,143
LI, WEN 3,087,901
LIAN, SHIGUO 2,997,034
LIANG, JIAWEN 3,057,266
LIAO, YONGGANG 3,116,440
LIENHARD, JOHN 2,915,036
LIMA, CHRISTOPHE 2,935,314
LIN, HUA-YANG 2,921,830
LIN, JEN C. 3,020,347
LIN, JIN-JIE 2,886,169
LIN, JUN 3,116,440
LINDSTROM, HAKAN 3,058,020
LIPSCOMB, JOHN M. 2,883,844
LIPSCOMB, JOHN M. 2,883,848
LITTMANN, FRANCOIS 3,013,832
LIU, CHAONAN 3,116,440
LIU, CHUNDI 3,113,368
LIU, GAO F. 3,028,616
LIU, SHENG-YU 2,964,529
LIU, YI 3,135,074
LIVAY, NIR 2,923,320
LOAD AND MOVE PTY LTD 3,048,704
LOFTIN, SCOTT M. 3,078,348
LOH, HORACE 2,996,281
LONG, AUSTIN G. 3,015,228
LOTZ, JOSEF 2,844,176
LOVEN, PEKKA 2,931,921
LUBKE, VERENA 3,060,447
LUCCHESE, ELEONORA 3,039,849
LURIE, BRANDON A. 3,053,123
LUTNICK, HOWARD W. 2,564,301
LUTZ, LENNARD 2,912,360
LYNK, KEVIN M. 3,072,745
M-I DRILLING FLUIDS UK LTD. 2,933,574
M-I L.L.C. 2,933,574
MA, CHANGSONG 3,088,327
MACH, ROBERT 2,944,069
MACKELPRANG, MORGAN 3,072,745
MACLEOD, REG 3,049,774
MADIGER, BERND 3,060,447
MAGER, IMRE 3,024,020
MAGNA SEATING INC. 2,952,128
MAGNANO, NUNZIO 2,961,008
MAINI, BRIJ BHOOSHAN 2,952,864
MALMBERG, MATS 2,970,961
MALONE, AMBER P. 3,076,966
MALONEY, MICHAEL J. 2,922,677
MANAHAN, JOSEPH MICHAEL 3,060,304
MANDEL, ROBIN 2,935,977
MANILDRA MILLING CORPORATION 3,082,394
MANJUNATH, GEETHA 2,923,257
MANN, RUDOLF 3,051,602
MANSTEIN, DIETER 3,047,587
MARCHAND, ARNAUD DIDIER M. 2,981,845
MARCHAND, BERNARD 2,925,440
MARCUCCIO, SUZI MARIE 3,052,651
MAREL TOWNSEND FURTHER PROCESSING B.V. 2,950,591
MARTINO, FILIPPO 2,962,521
MARZARI CHIESA, DAMIANO 2,914,793
MASAKI, KAZUYOSHI 3,058,374
MASKE, DAVID 3,041,869
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 2,915,036
MASTERS, STEVEN J. 3,053,123
MATHELIER, MARTIN ANTOINE 2,998,736
MATHENA, SCOT K. 3,053,123
MATHIOWITZ, EDITH 2,846,858
MATIKAINEN, JORMA 2,913,448
MAYORAL, KENNY 3,002,809
MC GOWAN, DAVID CRAIG 2,913,028

Index of Canadian Patents Issued
March 8, 2022

MCBRIDE, RYAN 3,047,664
MCCLURE, RICHARD L. 3,053,123
MCCORMICK, LEO M. 3,067,992
MCDONOUGH, WILLIAM 2,922,677
MCGUIRE, MATTHEW P. 3,076,966
MCLAREN, MARK ARVIND 2,880,749
MCMANUS, SEAN M. 3,067,992
MECCA, JODI 3,114,141
MEDSHINE DISCOVERY INC. 3,114,646
MEDSHINE DISCOVERY INC. 3,116,440
MEDTRONIC MINIMED, INC. 3,078,348
MEEUWSEN, KYLE J. 2,955,187
MERILAINEN, MARKKU 2,931,921
MERKEL, NINA 2,938,802
MESSERGES, THOMAS S. 3,115,515
MESTHA, LALIT KESHAV 2,923,257
METCALF, BRIAN 2,860,323
METSALIITTO OSUUSKUNTA 2,913,448
METSIM INC. 3,006,862
MEULENDIJKS, JOHANNES MARTINUS 2,950,591
MEYER, NATHAN J. 3,071,906
MICHALAK, TOM 3,067,992
MICROLUTION INC. 2,954,929
MIDEA GROUP CO., LTD. 3,057,266
MILEVA, DANIELA 3,112,874
MILLER, STEVEN 2,675,564
MILTON, TREVOR R. 3,072,745
MOEHRING, MARK 2,994,244
MOLO, VADIM DAVID 3,057,656
MOORE, LATOSHA 2,933,574
MORAN, DONALD J., JR. 2,830,255
MOROZOV, DMITRIY VALENTINOVICH 2,941,656
MORPHO 2,879,218
MORROW, JASON 2,844,176
MORSE, SHARI LEE 2,998,736
MOTOROLA SOLUTIONS, INC. 3,115,515
MUNICIPAL EMERGENCY SERVICES, INC. 2,950,183
MURET, FREDERIC P. 2,882,221
MURPHY, TIMOTHY ALLEN 2,935,837
MURRAY, SEAN M. 3,028,616
MX TECHNOLOGIES, INC. 3,047,664
MX TECHNOLOGIES, INC. 3,047,669
NAGORSEN, DIRK 2,774,919
NAGRAVISION S.A. 2,923,320
NAI FOVINO, IGOR 2,937,713
NAKAGAMI, OHJI 3,041,416
NAMMO DEFENSE SYSTEMS INC. 3,016,010
NATIONAL HEALTH RESEARCH INSTITUTES 2,996,281
NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY 2,923,685
NATIONAL UNIVERSITY CORPORATION KOCHI UNIVERSITY 2,921,214
NAULT, DONALD 2,984,944
NEMANKIN, TIMOFEY ALEKSANDROVICH 2,941,656
NGO, HUU BA 3,002,809
NIKE INNOVATE C.V. 3,054,950
NIKOLA CORPORATION 3,072,745
NILSSON, HUGO 3,058,020
NINGBO TROIKA SCIENCE & TECHNOLOGY COMPANY LIMITED 3,032,405
NIPPON MENARD COSMETIC CO., LTD. 2,966,574
NIPPON STEEL CHEMICAL & MATERIAL CO., LTD. 3,058,374
NIRAMAI HEALTH ANALYTIX PVT. LTD. 2,923,257
NISSAN MOTOR CO., LTD. 3,002,628
NOKIAN RENKAAT OYJ 3,085,247
NOMURA, TAKASHI 2,870,940
NORDIN, JOEL 3,024,020
NORIEGA, THOMAS 3,002,809
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,029,758
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,034,016
NOVAK, ROBERT J. 2,806,083
NOVELIS INC. 2,967,298
NOVELIS INC. 3,069,499
NOWAK, ANDREW P. 3,087,901
NOWOBILSKI, GRZEGORZ 2,954,929
O'CONNOR, JOHN J. 3,021,488
O'DOHERTY, JOHN 2,762,159
O'SULLIVAN, JOHN T. 2,762,159
O'SULLIVAN, MICHAEL 2,921,066
O.M.IT S.R.L. 3,119,380
ODERKERK, JEROEN 3,112,874
OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON 2,916,769
OFTEBRO, EINAR 3,093,773
OJALA, JARI 3,085,247
OJHA, NIVEDITA 3,122,265
OKAMOTO, HIROYUKI 2,901,086
OKANO, YASUTAKA 2,939,193
OKSJOKI, TIMO 3,085,247
OLLERENSHAW, ANDREW 2,939,251
OLON S.P.A. 2,938,023
OMACHRON INTELLECTUAL PROPERTY INC. 3,076,938
ORAVAINEN, HEIKKI 2,931,921
ORTEGA, ANTHONY T. 3,069,664
ORTHO-CLINICAL DIAGNOSTICS, INC. 2,830,255
OSKOUEI, JAVAD 2,952,864
OSTUNI, RAFFAELE 2,914,793
OTONEXUS MEDICAL TECHNOLOGIES, INC 2,994,244
OTSUKA PHARMACEUTICAL CO., LTD. 3,051,659
OUELLET, GILLES 3,123,265
OUTOTEC (FINLAND) OY 2,931,921
OUTOTEC (FINLAND) OY 2,946,092
OUYANG, JUNWEI 3,020,134
OWEN, CHRISTOPHER J. 2,902,555
OXFORD UNIVERSITY INNOVATION 3,024,020
PACCAR INC 2,844,176
PACE, CRAIG S. 3,008,442
PAGENKOPF, KENNETH EDWARD 3,018,319
PANTHER, ALEX 2,903,088
PAPER TUBE LLC 3,057,656
PARKINSON, ADAM 3,054,950
PARVIS, ALAN JOSEPH 3,013,130
PATEL, POORVI 2,899,279
PEM MANAGEMENT, INC. 2,922,677
PEPSICO, INC. 2,998,736
PEREIRA RAMOS, SANDRA 2,971,574
PEROSPHERE TECHNOLOGIES INC. 2,846,858
PETERSEN, DAVE 3,076,938
PETERSON, ERIK 3,060,421
PETERSON, JANET 3,044,997
PETERSON, PETER 3,044,997
PHILIPPE, ROMUALD M. 2,898,357
PHILLIP, ANDREW 2,954,929
PIEL, TANJA 3,112,874
PIETERS, SERGE MARIA ALOYSIUS 2,913,028
PINDER, GARRY MARK 3,048,704
PIONEER PET PRODUCTS, LLC 2,883,844
PIONEER PET PRODUCTS, LLC 2,883,848
PIRON, CAMERON 2,903,088
PIRON, CAMERON 2,957,794
PIRONE, PAUL 2,883,004
PIRTTINIEMI, JUKKA 2,946,092
PLAAS, ANNA H.K. 2,922,143
PLANSEE SE 2,921,066
PODER, JIM 2,751,731
POLARIS INDUSTRIES INC. 3,076,966
POLCHA, ADAM BRITTON 3,025,037
POLYSTYVERT INC. 3,042,919
PONT, JOSE-EMMANUEL 2,923,320
POPA, NICOLETA 3,039,849
POPE, TIMOTHY L. 2,874,296
PORKKA, ESA 2,946,092
PORTER, JOHN ROBERT 2,930,209
POTECHIN, KATHY 2,958,052
POWELL, JOSEPH BROUN 2,933,291
PRADO PUEO, FELIX 2,939,337
PRATER, CURTIS S. 2,957,033
PRATT & WHITNEY CANADA CORP. 2,881,943
PRECITEC OPTRONIK GMBH 2,925,039
PREEMADONNA INC. 3,044,997
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,928,972
PRIETO, OSCAR 3,112,874
PROGNOSYS BIOSCIENCES, INC. 2,916,662
PROPRIETECT L.P. 2,750,220
PROVENCHER, MICHAEL 3,123,265
PURAC BIOCHEM BV 3,019,265
PYROTEK, INC. 2,912,360
QIAN, WENYUAN 3,114,646
QIAN, WENYUAN 3,116,440
QU, ZHAN 2,997,034
QUICK FITTING HOLDING COMPANY, LLC 3,113,774

Index des brevets canadiens délivrés
8 mars 2022

QUICK FITTING HOLDING COMPANY, LLC 3,113,781
QUICKCELL TECHNOLOGY PTY LTD 2,932,655
QUILLENT, HELENE 2,935,977
RAAD, ISSAM 2,881,361
RABOISSON, PIERRE JEAN-MARIE BERNARD 2,913,028
RABOISSON, PIERRE JEAN-MARIE BERNARD 2,981,845
RADER, DANIEL J. 2,910,191
RADIOMETER MEDICAL APS 3,048,073
RADO, GORDON E. 2,950,183
RAISANEN, JANI 3,085,247
RALPH, ANDREW 2,933,574
RATOLA BRANCO, OSCAR EMANUEL 2,920,502
RAUE, FRANK 2,909,823
RAY, CLIFFORD H. 2,996,790
REGENTS OF THE UNIVERSITY OF MINNESOTA 2,996,281
REID, BETH 2,997,262
REPINSKI, SCOTT 2,883,844
REPINSKI, SCOTT 2,883,848
REULING, SANNE 2,950,591
RHODINE, JORDAN T. 3,070,101
RICHMOND, JOSHUA 2,903,088
RICHMOND, JOSHUA 2,957,794
RIETSCH, JEAN-CHRISTOPHE 2,935,977
RING, LAWRENCE SCOTT 3,078,348
RIVARD, DANIEL 2,927,658
ROBERSON, DAVID P. 2,928,972
ROBERTSON, GRAHAM ALEXANDER 2,933,574
ROBIN, NOEL 2,922,896
ROCKWELL, JIM L. 2,945,316
ROPER, TODD 2,982,453
ROSENBLATT, JOEL 2,881,361
ROSSANO, GREGORY F. 2,899,279
ROSSI, GIULIANA ELISA 2,935,314
ROTH, BRIAN A. 3,044,747
ROUSSEAU, VICTOR 3,123,265
ROUTENBERG, DAVID 2,916,662
RUDIE, ERIC, NORMAN 2,907,252
RUFFIN, LOUIS WEBSTER 3,025,037
RUNDE, DAVID M. 2,952,128
RUNOWSKI, THOMAS 2,957,320
RUSH UNIVERSITY MEDICAL CENTER 2,922,143
RUSKEENIEMI, JARI-JUSSI 3,112,874
RYAN, DANIEL ANGUS 3,002,809
SABOL, JOSEPH C. 3,020,347
SAFRAN 2,935,977
SAFRANSKI, BRIAN 3,076,966
SAINT-GOBAIN GLASS FRANCE 2,926,172
SAKAI, KENJI 2,870,940
SAKAIDA, TSUTOMU 2,966,574
SAKURAI, MASAAKI 2,870,940
SAKURAI, NAOTO 2,921,214
SAKURAI, YOSHINOBU 2,921,214
SANCHEZ MARTIN, JOSE IGNACIO 2,937,713
SANDVIK INTELLECTUAL PROPERTY AB 2,970,961
SANDY, JOHN D. 2,922,143
SARONG SOCIETA' PER AZIONI 2,922,803
SATO, TAKAYUKI 2,921,214
SAUDI ARABIAN OIL COMPANY 3,044,747
SAUER, DAVID JAMES 2,983,155
SAVOIE, RODRIGUE 2,723,653
SAYYAE, MICHAEL S. 2,957,033
SCHABER, KARLHEINZ 2,938,802
SCHECKEL, MARIO 2,745,528
SCHILLING, PAUL SIMON 2,902,555
SCHLICHT, DAVID 2,912,360
SCHLOO, JONATHAN 3,045,715
SCHLUMBERGER CANADA LIMITED 2,874,296
SCHMID, JOSHUA 2,971,574
SCHNEIDER, JOSEPH A. 3,114,095
SCHNEIDER, NICOLAS 2,962,183
SCHOENY, CHRISTOPHER 3,000,437
SCHONLEBER, MARTIN 2,925,039
SCHREIBER, DOMINIQUE 2,895,127
SCHULER, FRANCESCA 3,115,515
SCHULTZ, ROGER L. 3,070,357
SCHULZ, CASEY KUTE 3,044,997
SCRANTON MANUFACTURING COMPANY INC. 3,040,094
SEGALL, STUART CHARLES 2,894,673
SEKAR, CHANDRA 3,072,954
SEKIGUCHI, SHUNICHI 3,033,984
SEKINE, KIYOSHI 3,062,842
SELA, GAL 2,903,088
SELMAN AND ASSOCIATES, LTD. 2,865,333
SELMAN, THOMAS H. 2,865,333
SERVIGNAT, DAVID 2,923,320
SHAMSAI, MOHAMMAD HOSSEIN 2,932,655
SHAO, GUOCHENG 2,929,275
SHAPIRO, ANDREW 2,881,943
SHARP, RICHARD E. 3,087,901
SHAUCK, STEVEN BRIAN 3,029,758
SHEDRAIN CORPORATION 2,926,804
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,933,291
SHEN, KANYI 3,088,327
SHEN, QIANG 2,911,620
SHENZHEN IVPS TECHNOLOGY CO., LTD. 3,020,134
SHINO, TATSUYA 3,002,628
SHL MEDICAL AG 3,065,853
SHOJI, MASANOBU 2,920,287
SIEMENS AKTIENGESELLSCHAFT 3,072,691
SIEMENS MOBILITY, INC. 2,882,973
SIGL, LORENZ 2,921,066
SIMPSON STRONG-TIE COMPANY, INC. 2,886,169
SINGH, PARAMJIT 2,969,079
SINGH, RAHUL 2,994,244
SIRONI, MARCO 3,013,832
SKINNER, JAMES W. 3,071,906
SKIRDA, ANATOLY 2,902,555
SLAFER, BRIAN 2,939,786
SLATON, ZACHARY 2,844,176
SMITH, BURTON J. 3,034,016
SMITH, GILLES 3,123,265
SMITH, ROBERT 3,041,269
SMITH, ROGER E. 3,078,348
SNECMA 2,922,896
SNECMA 2,929,951
SNECMA 2,935,314
SNECMA 2,935,977
SNYDER, JAMES PATRICK 2,939,786
SOFRONOVA, EKATERINA VLADIMIROVNA 2,941,656
SOINI, TEEMU 3,085,247
SOLOVIEV, VALERIY VLADIMIROVICH 2,941,656
SONE FARM CO., LTD. 3,085,995
SONG, HYO-JUNG 3,042,528
SONG, XUYANG 3,061,265
SONG, YI 2,895,776
SONY CORPORATION 3,041,416
SOPPE, ALFRED 2,957,320
SPD SWISS PRECISION DIAGNOSTICS GMBH 2,930,879
SPITZER, DIRK 2,944,069
SPLASH TM GMBH 3,081,522
SPRINGER, CASEY E. 2,955,187
ST. JOHN, MAXIMUS 2,915,036
STAAB, HARALD 2,899,279
STACY, KYLE 2,954,929
STAUFFER, TIMOTHY M. 2,886,169
STEHR, PETER BERNHARD 2,953,188
STEIN, DAVID D. 2,883,848
STEINER, SOLOMON S. 2,846,858
STELIA AEROSPACE 3,008,814
STENGLER, MATTHEW 2,969,079
STONEAGE, INC. 3,114,095
STORA ENSO OYJ 2,913,448
STRANGE, CHRISTIAN 3,048,073
STRATEGIC OPERATIONS, INC. 2,894,673
STRATUS MEDICAL, LLC 2,778,997
STROBEL, ANDY 3,071,906
STRYKER EUROPEAN OPERATIONS HOLDINGS LLC 3,019,699
SUAREZ-TRUJILLO, DEYA 3,002,809
SUGIMOTO, KAZUO 3,033,984
SUGIYAMA, MASANORI 3,085,995
SULLIVAN, AARON D. 3,066,559
SUN, FUSHENG 3,020,347
SUN, JEONGHOON 2,679,841
SUN, JIYUAN 2,957,320
SUNDA, TAKASHI 3,002,628
SWEENEY, TORRES 2,762,159
SYNAPTIVE MEDICAL INC. 2,903,088
SYNAPTIVE MEDICAL INC. 2,957,794
SYTSMA, COLE A. 3,076,966
SZCZEPANIK, KAMIL 2,954,929
TADA, WAKANA 3,058,374
TADOKORO, KENICHIRO 3,058,374

Index of Canadian Patents Issued
March 8, 2022

TAIT LABORATORIES INC. 2,955,336
TAIT, ANDREW 2,955,336
TAIZHOU HUIFENG HETAI BIOTECHNOLOGY CO. LTD 2,981,768
TAKAE, YASUHIKO 3,002,628
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,920,287
TAM, LEI-TING TONY 2,679,841
TAMIRISAKANDALA, SESH A. 3,020,347
TANIMURA, YASUAKI 2,939,193
TAPCO, INC. 2,940,153
TAYLOR, PAUL D. 2,940,153
TELEFLEX LIFE SCIENCES LIMITED 2,907,252
TERADA, TAKASHI 2,901,086
THE ACCESS TECHNOLOGIES 3,132,984
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 2,911,620
THE BOEING COMPANY 2,935,837
THE BOEING COMPANY 2,985,931
THE BOEING COMPANY 3,087,901
THE CLIMATE CORPORATION 2,997,262
THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION 3,013,832
THE EUROPEAN UNION, REPRESENTED BY THE EUROPEAN COMMISSION 2,937,713
THE GENERAL HOSPITAL CORPORATION 3,047,587
THE TORONTO-DOMINION BANK 3,113,368
THE TRUSTEES OF THE UNIVERISTY OF PENNSYLVANIA 2,910,191
THE WOOSTER BRUSH COMPANY 2,859,910
THE YOKOHAMA RUBBER CO., LTD. 3,124,662
THERMOSOME GMBH 2,922,627
THIEBOT, ALAIN 2,879,218
THINK AND GO NFC 2,901,171
THOMAS, FREDERIC 2,923,320
THOMAS, MONROE M. 2,903,088
THOMSEN, NATHAN D. 3,008,442
THORSLUND, DEREK 3,122,265
THOUY, BENOIT 2,879,218
THRU TUBING SOLUTIONS, INC. 3,070,357
THULE SWEDEN AB 2,969,079
THYS, FERRY LUDOVICUS 2,983,155
TIKKURILA OYJ 2,913,448
TIMMONS, MICHAEL S. 3,002,809
TOKHTUEV, EUGENE 2,902,555
TONG, ROGER SHUN HONG 2,883,278
TOOTHMAN, THOMAS K. 2,904,352
TORAY INDUSTRIES, INC. 2,939,193
TOTAL RESEARCH & TECHNOLOGY FELUY 2,990,906
TOYO ENGINEERING CORPORATION 2,870,940
TRABUCCO, DARIO 3,039,849
TROSTHEIM, STEIN 3,093,773
TURNER, BARRY S. 2,957,033
TURUNEN, MIKKO 3,085,247
UCB BIOPHARMA SRL 2,930,209
UEMOTO, HIROSHIGE 3,078,787
UENG, SHAU-HUA 2,996,281
ULITIN, ANDREY BORISOVICH 2,941,656
UNIVERSITY OF DURHAM 2,931,315
USOVA, ZINAIDA 2,874,296
USTYUGOV, YAKOV YUREVICH 2,941,656
UTSUNOMIYA, MASAMICHI 2,939,193
VAN GUMSTER, JASON 2,904,356
VAN TINE, BRIAN 2,944,069
VANGVERAVONG, SUWANNA 2,944,069
VANTOMME, AURELIEN 2,990,906
VAPAAKOSKI, SIMO 3,085,247
VASSART, OLIVIER 3,039,849
VASUDEVAN, HARISH 2,955,336
VATANSKI, NIKOLAI 2,946,092
VELDHUIZEN, DAVID S. 2,904,352
VENKATARAMANI, KRITHIKA 2,923,257
VERMEER MANUFACTURING COMPANY 3,071,906
VISCOFAN S.A. 2,909,823
VISUAL PHYSICS, LLC 2,904,356
VLASAK, PAVEL 3,041,735
VOGEL, DAVID C. 2,945,316
VOISIN, ANTOINE 3,008,814
VOLKOVS, MAKSIMS 3,113,368
VONG, FRED CHUN YIN 2,883,278
W. L. GORE & ASSOCIATES, INC. 3,053,123
WAGNER, VOLKER 2,938,802
WAI, NORMAN FUNG MAN 3,113,147
WAI, TERENCE SHAU YIN 3,113,147
WALIA, HERPREET SINGH 3,044,997
WALTEMYER, ROBERT 2,898,357
WALTON, TROY 3,002,809
WANG, AIYUAN 2,912,189
WANG, FEI 2,912,189
WANG, VINCENT 2,922,143
WASHINGTON UNIVERSITY 2,944,069
WATANABE, YASUYUKI 2,921,214
WATSON, BROCK W. 3,070,357
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,996,890
WEEKS, MICHAEL R. 2,955,187
WEI, CHANGQING 3,116,440
WEI, CHANGZHENG 3,061,265
WEIMER, CASSANDRA E. 3,070,368
WEIMER, JONATHAN 3,083,508
WELBOURN, DEREK 3,039,939
WEN, WEI 3,069,499
WENGER, URS 3,076,966
WHEELER, THOMAS J. 2,943,134
WHITEHURST, DANE 3,060,799
WHITSITT, LISA 3,041,269
WIGH, JEFFREY B. 3,020,945
WIKLANDER, OSCAR 3,024,020
WILDE, THOMAS 2,895,127
WILLBERG, DEAN M. 2,874,296
WILLIS, STEVEN 3,019,699
WILLOCQ, CHRISTOPHER 2,990,906
WILSON, STEPHEN 3,122,265
WILTSCHKO, ALEXANDER B. 2,928,972
WOLF, ERIC J. 3,028,616
WOOD, ANTONY 3,039,849
WOOD, MATTHEW 3,024,020
WOOD, MICHAEL 2,903,088
WOOLEY, C. BENJAMIN 2,845,116
WOOLF, CLIFFORD J. 2,928,972
WRIGHT, PAUL LEE 2,898,357
WRIGHT, ROBERT E. 2,778,997
WU, MEIHONG 3,088,327
WURMFELD, DAVID KELLY 3,041,269
WYCALLIS, JOSEPH 2,830,255
XIA, ZHENG 2,929,275
XIAO, CONGZHEN 3,039,849
XIAO, JINJIANG 3,044,747
XYLENE HOLDING S.A. 3,033,984
YAMABIKO CORPORATION 3,078,787
YAMADA, RYU 2,901,086
YAN, XINYAN 3,020,347
YAN, YING 3,061,265
YANG, CHUNDAO 3,114,646
YANG, JUN 3,032,405
YANG, YONGJIE 3,088,327
YEH, SHIU-HWA 2,996,281
YOKOTA, YASUYUKI 3,079,735
YU, GUANGWEI 3,113,368
YU, SHAN 3,113,147
YUWARAJ, MURUGATHAS 2,903,088
ZARANDI, FARAMARZ MH 3,020,347
ZDEBLICK, MARK J. 3,051,659
ZHANG, BIAO 2,899,279
ZHANG, CHEN 3,116,440
ZHANG, GEORGE 2,899,279
ZHANG, HUABING 3,088,327
ZHANG, JUN 3,039,939
ZHANG, XUE 3,008,442
ZHANG, YI 2,986,817
ZHAO, ALI 3,057,266
ZHAO, BORAN 3,061,265
ZHAO, ZIPENG 3,088,327
ZHOU, CHAOYIN 3,087,901
ZHOU, JIA 2,911,620
ZHOU, XIAOLAN 2,679,841
ZHOU, YU 2,929,275
ZIELINSKA, JUSTYNA 3,019,699
ZUGMAIER, GERHARD 2,774,919
ZUO, VINCENT 3,047,587

Index of Canadian Applications Open to Public Inspection

February 20, 2022 to February 26, 2022

Index des demandes canadiennes mises à la disponibilité du public

20 février 2022 au 26 février 2022

10353744 CANADA LTD. 3,128,537
10353744 CANADA LTD. 3,128,540
10353744 CANADA LTD. 3,128,563
10353744 CANADA LTD. 3,128,803
10353744 CANADA LTD. 3,128,985
ACCENTURE GLOBAL SOLUTIONS LIMITED 3,128,613
ACHATZ, OSKAR 3,126,567
ACUFF, LINDSAY SIMS, III 3,128,854
ACUFF, LINDSAY SIMS, IV 3,128,854
AHADI, AMIRHOSSEIN 3,091,177
AHN, HONG JOO 3,128,848
AMERICAN PILEDRIVING EQUIPMENT, INC. 3,122,984
ANDREWS, MICHAEL 3,128,996
ANTHONY LIFTGATES, INC. 3,128,813
APPANA INDUSTRIES LLC 3,127,022
APPANA, AMARNAUTH 3,127,022
ARORA, VISHAL 3,128,762
AYAR, YOGA R. 3,128,709
B/E AEROSPACE, INC. 3,127,681
B2B INDUSTRIAL INC. 3,128,668
BACK WORKS LLC 3,144,064
BACKLOTCARS, INC. 3,128,997
BASU, SUMIT 3,128,762
BEAVEN, DAVID 3,128,838
BECKER, MICHAEL 3,128,622
BECKER, MICHAEL 3,128,829
BEER, JOSHUA M. 3,128,634
BERNHAGEN, TODD A. 3,119,479
BIDDINGTON, AARON 3,128,740
BIL-JAX, INC. 3,128,628
BLANKENHORN, BENJAMIN EDWARD 3,128,788
BLOOMY LOTUS LIMITED 3,135,427
BOBBITT, JUDITH 3,102,497
BOSCHETTO, SCOTT A. 3,144,064
BOSS, DANIEL E. 3,128,681
BOURASSA-FULOP, PATRICK 3,140,354
BOWLEY LOCK COMPANY INC. 3,127,356
BOWLEY, RYAN THOMAS 3,127,356
BROUWERS, CRAIG 3,128,634
BRUN, PAUL 3,128,740
BRUNER, KEITH RAYMOND 3,128,628
BTM COMPANY LLC 3,128,916
BUILDING MATERIALS INVESTMENT CORPORATION 3,128,681
BURKE, PATRICK 3,090,723
BYTEMARK INC. 3,128,762
CANPAD INC. 3,092,308
CAVELIUS, JORG 3,128,622
CAVELIUS, JORG 3,128,829
CENOVUS ENERGY INC. 3,128,604
CENOVUS ENERGY INC. 3,128,757
CHAKRABORTY, SOUVIK 3,128,613
CHARLES, ROBERT 3,126,859
CHEN, DONG 3,128,540
CHEVERIE, DAVID JOSEPH 3,091,564
CHOI, JUNG HOON 3,128,848
CHONG, GEENGYEE 3,128,316
CLARK, ROBERT J. 3,128,741
COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION 3,124,812
COSTA, ANDREA 3,128,762
CRETIKOS, DIMITRI 3,128,684
CYBERLUCENT, INC. 3,128,717
DAI, XIAOLEI 3,128,985
DATSYUK, VITALIY 3,126,567
DAVIDSON, LEON JOHN, JR. 3,128,583
DECARR, GRAIG E. 3,128,782
DEERE & COMPANY 3,128,659
DEL MORAL PINA, CHRISTIAN DANIEL 3,135,008
DELUCCO, DAMIEN 3,127,310
DEMITRI, NEVINE 3,128,779
DESICCARE, INC. 3,128,788
DIAZ RODRIGUEZ, KEVIN ALEJANDRO 3,135,008
DOIRON, JEREMIE ADRIEN 3,128,696
DUAN, TAO 3,128,540
DYNAMO INDUSTRIES, INC. 3,128,811
EATON INTELLIGENT POWER LIMITED 3,128,642
EATON INTELLIGENT POWER LIMITED 3,128,782
EDQUIST, JOHN 3,127,681
EFFECTIVE MARTIAL ARTS (9303-3017 QUEBEC INC.) 3,140,354
ELLITHORP, BRIAN 3,091,201
ELSKAFOSS, KEVIN 3,126,859
EROWA AG 3,124,199
EVONIK OPERATIONS GMBH 3,128,314
FABBI, CHRISTOPHER 3,091,065
FARRELL-BURKE, KAMAU 3,090,723
FEDERAL SIGNAL CORPORATION 3,092,707
FENZL, MARK 3,115,541
FERENZ, MICHAEL 3,128,314
FETZER, CHRISTOPHER M. 3,127,970
FIORE, EMMA 3,127,332
FISCHER, DANIEL MICHAEL 3,128,806
FITZGERALD, KEVIN JAMES 3,128,668
FLOTKOETTER, BRENT LAWRENCE 3,128,798
FLYNN, MARK LAWRENCE 3,128,757
FOREST, JEAN-JACQUES 3,118,763
FUENTES, ALEJANDRA DEL CARMEN 3,135,008
FUJI ELECTRIC CO., LTD. 3,122,976
GAD, MAHMOUD 3,128,717
GARCIA OSNAYA, JUAN MANUEL 3,135,008
GARDUNO NAVA, JULIO JORDAN 3,135,008
GARRISON, LANDON D. 3,090,918
GASTINEAU, JERRY 3,128,316
GENERAL ELECTRIC RENOVABLES ESPANA S.L. 3,126,668
GENZ, JASON 3,128,634
GRANT, MELISSA 3,128,811
GRUPO BIMBO, S.A.B. DE C.V. 3,135,008
GUALTIERI, SANDRA 3,098,156
GULATI, ABHIJEET 3,128,316
GUO, GUANGTING 3,123,412
GUZMAN RAMIREZ, EDGAR 3,135,008
HARQUAIL, JASON MATHIEU 3,128,696
HARVIE, CHRISTIAN 3,128,651
HEDIGER, HANS 3,124,199
HEMSTOCK, CHRISTOPHER A. 3,090,749
HENRY, DEAN CHARLES 3,128,832
HERNANDEZ MENDOZA, JESUS EMMANUEL 3,135,008
HOCKEYSHOT INC. 3,128,740
HODGSON, STUART 3,118,753
HOPKINS MANUFACTURING CORPORATION 3,127,310
HOTRA, JONATHAN NICHOLAS 3,123,074
HOUSEWORTH, JASON 3,128,997
HUANG, HAI 3,123,412
HUBER ENGINEERED WOODS LLC 3,128,798
HUSS, PHILIP 3,126,810
HUSSEY SEATING COMPANY 3,128,651
IHM, NICHOLAS 3,128,762
IMAMORI, SATOSHI 3,122,976
INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY, LLC 3,126,859
INVENTOR-E LTD. 3,128,832
ISHIZAKA, JANICE 3,090,544
JACKSON, STEPHEN D. 3,103,333
JANISZEWSKI, JOSEPH ANDREW 3,128,916
JOHANNESSEN, ERIC 3,127,681
JOHNSON, JACOB LEE 3,128,642
JUNGHEINRICH AKTIENGESELLSCHAFT 3,128,622

Index of Canadian Applications Open to Public Inspection
February 20, 2022 to February 26, 2022

JUNGHEINRICH AKTIENGESELLSCHAFT 3,128,829
KAMEI, KEISUKE 3,123,160
KANG, HYUN WOO 3,128,848
KATZ, ARYEH 3,128,665
KELLY, ANDREW SETZ 3,128,682
KELVIN THERMAL ENERGY INC. 3,091,177
KHAIRNAR, LALIT SUBHASH 3,128,642
KHAN, IBRAHEM 3,128,926
KIANICKA, IRENEJ 3,128,648
KIM, IN TAE 3,128,848
KIRCHNER, ALANNA 3,128,926
KNICK-KOPPENHOFER, BRICE MELVIN 3,128,628
KOMMELT, SABINE 3,128,314
KONNO, YUSUKE 3,122,976
KOREA ATOMIC ENERGY RESEARCH INSTITUTE 3,128,848
KOVACS, GABRIEL 3,128,682
KOZAL, JOHN PATRICK 3,128,772
KRAJCA, JAROD L. 3,128,681
KUMAR, SHUBHAM 3,128,782
KUNTZ, MICHAEL 3,128,926
LADKAT, KIRAN 3,128,709
LAL, MADAN 3,090,969
LASKAR, WILLIAM JOSEPH 3,092,043
LASKAR, WILLIAM JOSEPH 3,092,051
LASKAR, WILLIAM JOSEPH 3,092,052
LASNIER, JEANAULT 3,128,779
LAURENT PHARMACEUTICALS INC. 3,128,648
LEE, CHRISTINA 3,128,762
LEE, KI RAK 3,128,848
LEE, LEANDER 3,135,427
LEGAULT, ERIC C. 3,122,984
LEMES DA SILVA, CRISTIANO 3,092,043
LEMES DA SILVA, CRISTIANO 3,092,051
LEMES DA SILVA, CRISTIANO 3,092,052
LI, JAK 3,128,926
LIEBHABER, MARKUS 3,128,622
LIEBHABER, MARKUS 3,128,829
LIU, JIANGUO 3,128,563
LIU, TUANFANG 3,104,108
LIU, TUANFANG 3,104,121
LIU, TUANFANG 3,104,132
LIU, TUANFANG 3,104,136
LIU, TUANFANG 3,104,138
LIU, TUANFANG 3,104,491
LIU, TUANFANG 3,108,537
LIU, YANHUI 3,128,563
LIVELY, KYLE JAY 3,092,043
LIVELY, KYLE JAY 3,092,051
LIVELY, KYLE JAY 3,092,052
LORIMER, CAROL B. 3,091,221
LORIMER, WILLIAM R. 3,091,221
LUHARUKA, PALLAVI 3,128,709
LUO, YUE 3,128,540
LYNCH, GEORGE 3,091,177
MAHANSARIA, JYOTI 3,128,762
MARINI, SHELON A. 3,126,668
MARO, RANDALL A. 3,128,659
MARSHALL, GREGORY CHARLES 3,092,043
MARTIN, LUC 3,128,811
MARTIN, RICHARD 3,128,811
MASCARENHAS, CALUM 3,116,757
MASCARENHAS, MARIKA 3,116,757
MASCARENHAS, SUSANNA 3,116,757
MASTEN, JAMES WILLIAM 3,093,684
MATHUR, NISHANT 3,116,757
MATSUSHITA, YASUSHI 3,127,011
MAYER, TIMOTHY G. 3,092,707
MERCADO, RAMIL MARCELO L. 3,128,681
MILANOWSKI, DANIEL JAMES 3,128,772
MILLER, RONALD C. 3,128,813
MILLHOUSE, ANTHONY W. 3,126,668
MISKIE, RYAN 3,118,622
MITCHELL INTERNATIONAL, INC. 3,128,316
MIURA CO., LTD. 3,123,160
MORALES SUAREZ, CARLOS ALBERTO 3,135,008
MORAWIETZ, TIMM 3,128,622
MORAWIETZ, TIMM 3,128,829
MORENKO, OLEG 3,118,622
MUC, CHRISTOPHER 3,092,308
MUTCH, KARL 3,124,812
NAEEM, FARHAN 3,128,779
NAJJAR, NADIM ANTOINE 3,118,753
NIELSEN CONSUMER LLC 3,127,332
NODA, RYOJI 3,124,555
OCEANS LTD. 3,102,497
OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED 3,128,685
OLUFADE, ADESOLA O. 3,090,770
ORENDORZ, ADAM 3,126,567
ORGANIGRAM INC. 3,128,696
OTTO, SARAH 3,128,314
PAKIRA, KAUSTAV 3,128,613
PANDEY, VIKAS 3,128,782
PARK, GEUN II 3,128,848
PARK, HWAN SEO 3,128,848
PART, DARREN 3,128,685
PATRIOTONE TECHNOLOGIES 3,128,779
PELLA CORPORATION 3,119,479
PENNEY, PHILICIA A. 3,091,219
PEREZ, FELIPE 3,118,753
PERRY, TROY 3,124,554
PETRI, JOHN A. 3,128,709
PHOENIX DOOR SYSTEMS LLC 3,128,741
PIONEER HI-BRED INTERNATIONAL, INC. 3,092,043
PIONEER HI-BRED INTERNATIONAL, INC. 3,092,051
PIONEER HI-BRED INTERNATIONAL, INC. 3,092,052
PIOTROWSKY, MACIEJ 3,118,763
PIPARSANIYA, HARSH 3,128,759
PISCH, ROBERT 3,128,682
PISLARIU, RADU 3,128,648
POIRIER, DANIEL 3,118,753
PRATT & WHITNEY CANADA CORP. 3,118,622
PRATT & WHITNEY CANADA CORP. 3,118,753
PRATT & WHITNEY CANADA CORP. 3,118,763
PU, JIANHUA 3,128,798
QIAO, RUI 3,128,537
RAHMANI, ALI 3,128,827
RAHMANI, PATRICIA 3,128,827
RAJZER, MICHAEL T. 3,128,634
RAMIREZ FLORES, EMILIO 3,135,008
RB DISTRIBUTION, INC. 3,128,682
REYES, ROBERT WARREN 3,128,628
RICE, PAUL 3,128,779
RICHMOND, PAUL-JACOB MICHAEL 3,128,651
ROCA, ADRIA 3,126,668
ROCKWELL COLLINS, INC. 3,128,665
RODRIGUEZ BAYO, ROBERTO 3,126,668
ROMANS, TIMOTHY WILLIAM 3,128,798
RONG, ROB 3,123,412
ROY, RAM 3,128,762
SAFAK, OMER 3,126,668
SALAMAH, SAMIR A. 3,126,668
SAVANT TECHNOLOGIES LLC 3,123,412
SCHILLER, CARSTEN 3,128,314
SCHMIDT, JOSEPH L. 3,092,707
SCHOCK GMBH 3,126,567
SCHRAUTH, STEPHANIE 3,128,762
SCOTT, HILARY BRENDA 3,090,721
SERZEDELLO, RODRIGO 3,119,286
SEYBERT, MORGAN 3,127,332
SHAW, JEFF 3,124,554
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,108
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,121
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,132
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,136
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,138
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,104,491
SHENZHEN EIGATE TECHNOLOGY CO., LTD. 3,108,537
SHIAO, MING-LIANG 3,128,681
SI, SHUHUA 3,128,537
SICKLER, VICKI 3,127,310
SIEMENS MOBILITY, INC. 3,128,759
SIERACKI, ADAM C. 3,090,619
SINGH BAWA, GURPREET 3,128,613
SINGH, JAIDEEP 3,128,926
SINGH, SHUCHI 3,128,997
SJODIN, STEPHEN 3,090,888
SMARTER ALLOYS INC. 3,128,926
SNAP-ON INCORPORATED 3,128,634
SODA, EVAN 3,128,682

SONG, GANLIN	3,128,803
SPECIALIZED DESANDERS INC.	3,090,749
ST. AMANT, PAUL EDWARD	3,128,604
SUBRAMANYAM, AARIK	3,091,177
TANG, SIU KEI	3,128,926
TECHNOLOGY TRACE INC.	3,128,806
TENSINGH, ASHWIN SINGH	3,128,709
THE BOEING COMPANY	3,123,074
THE BOEING COMPANY	3,127,970
THE HILLMAN GROUP, INC.	3,119,286
THERIAULT, JONATHAN	3,128,740
TIBAH, DENIS M.	3,128,681
TIGER TOOL INTERNATIONAL LIMITED	3,128,996
TILMONT, DANIEL	3,127,681
TOLAR, JASON COREY	3,128,798
TREANGEN, TROY	3,127,332
TRENTINI, MICHAEL	3,128,717
TRYSON, ERIC	3,128,682
UNIFIED SAFETY INC.	3,091,065
UNIVERSAL FOREST PRODUCTS, INC.	3,128,772
UOP LLC	3,128,709
UPHAUS, JAMES JOSEPH	3,092,051
USA PRODUCTS GROUP	3,103,333
VAZQUEZ GOMEZ, JUAN CARLOS	3,135,008
WAGATSUMA, TAKASHI	3,124,555
WAGNER, MICHAEL	3,128,314
WANG, CHENLONG	3,128,563
WANG, FAN	3,128,540
WANG, SHUTANG	3,128,803
WANG, ZHEN	3,128,985
WATKINS, CILLA R.	3,090,544
WEARWELL, LLC	3,126,810
WHEATON, MAXINE BOBBIE CLARE	3,090,721
WOODFLOW LLC	3,128,854
XIAO, KUN	3,123,412
XU, MEILAN	3,128,803
YAMAHA HATSUDOKI KABUSHIKI KAISHA	3,127,011
YAMAMOTO, KOJI	3,124,555
YANG, DAVID	3,128,926
YANG, JING	3,128,803
YAO, PAN	3,123,412
YARANAL, SHASHIDHAR	3,128,762
YU, WENHUA	3,128,540
YUTAKA GIKEN CO., LTD.	3,124,555
ZEIN, AHMED	3,102,497
ZHAO, ZIYU	3,128,985
ZHOU, QINGRU	3,128,696

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

1147065 B.C. LTD. 3,148,991
2MT MINING PRODUCTS PTY LTD 3,148,474
3M INNOVATIVE PROPERTIES COMPANY 3,148,596
3NINE AB 3,144,854
4JET MICROTECH GMBH 3,144,721
A LA CARTE MEDIA, INC. 3,149,139
A.L.M. HOLDING COMPANY 3,148,757
AARROUF, JAWAD 3,143,974
AASBERG-PETERSEN, KIM 3,148,729
AASBERG-PETERSEN, KIM 3,148,730
ABADIR, EDWARD 3,145,697
ABBOTT, EASON MICHAEL 3,148,861
ABDULLA, HUSSAIN A. 3,144,694
ABEIDOH, ABDEL HAMID R 3,144,922
ABIOMED EUROPE GMBH 3,145,104
ABOUT, IMAD 3,149,325
ABYSALH, JONATHAN 3,148,819
ABYSS INGREDIENTS 3,148,659
ACELOT, INC. 3,148,602
ACHART, JEROME 3,143,954
ACHOUR, MAHA 3,148,793
ACLARIS THERAPEUTICS, INC. 3,149,304
ACTELION PHARMACEUTICALS LTD 3,145,269
ACUNA GOYCOLEA, MARCELO GUSTAVO 3,143,384
ADACHI, KENTARO 3,149,387
ADAIR, CHRISTOPHER 3,148,765
ADAIR, CHRISTOPHER 3,148,766
ADAIR, CHRISTOPHER 3,148,994
ADAMA AGAN LTD. 3,149,137
ADAMA MAKHTESHIM LTD. 3,145,270
ADAMS, KEITH 3,145,076
ADAMS, MARK 3,149,363
ADAMS, VOLKER 3,144,700
ADAPTIVE 3D TECHNOLOGIES, LLC 3,145,257
ADERMANN, TORBEN 3,144,711
ADERMANN, TORBEN 3,144,716
ADERMANN, TORBEN 3,144,899
ADEWOYE, ADEBOYE HENRY 3,149,093
ADVANCED BIODESIGN 3,145,268
ADVANCED DRESSING, LLC 3,144,894
AGARWAL, PRAVEEN 3,145,064
AGARWAL, PRAVEEN 3,145,068
AGCO DO BRASIL SOLUCOES AGRICOLAS LTDA 3,148,589
AGRICULTURE VICTORIA SERVICES PTY LTD 3,145,516
AGRICULTURE VICTORIA SERVICES PTY LTD 3,148,629
AHAMED, SYED 3,149,398
AIHARA, HIROMICHI 3,148,747
AITKEN, GLEN D. 3,148,984
AJINOMOTO CO., INC. 3,149,377
ALBERS, DAVID 3,145,407
ALBRECHT, WOLFGANG 3,148,780
ALCON INC. 3,144,148
ALCON INC. 3,144,153
ALCON INC. 3,144,680
ALCYONE LIFESCIENCES, INC. 3,144,431
ALEMDEHY, MIR FARSHID 3,148,713
ALFA LAVAL CORPORATE AB 3,148,771
ALI, RAZA 3,148,608
ALIGN TECHNOLOGY, INC. 3,148,808
ALKIEWICZ, CHESTER E. 3,148,518
ALKIEWICZ, CHESTER E. 3,149,185
ALLAUME, PATRICK 3,148,659
ALLEN, DAVID-NICOLAS 3,144,537
ALLEN, WILLIAM H. 3,144,732
ALLOUCH, AWATEF 3,144,509
ALLRED, JR. JAMES A. 3,144,707
ALLSTATE INSURANCE COMPANY 3,148,762
ALMORIC, ETIENNE 3,148,746
ALSHINA, ELENA ALEXANDROVNA 3,145,380
ALTER, AARON 3,144,150
ALUMIER EUROPE LIMITED 3,145,265
AMADOR, MARIA SHEENA 3,148,591
AMATOURY, SYLVAIN JACQUES 3,144,529
AMBROSE MICHAEL, KAREN 3,149,206
AMEEN, SAYAMIK N. 3,149,388
AMERICAN STERILIZER COMPANY 3,148,834
AMERICAN STERILIZER COMPANY 3,148,839
AMGEN INC. 3,148,591
AMGEN INC. 3,148,965
AMISSE, ROBIN 3,145,224
AMORUSO, ANGELA 3,148,737
AN, KYUNGJUN 3,148,824
ANAND, PJ 3,144,431
ANCESTRY.COM DNA, LLC 3,149,354
ANDERSON, DAVID RANDOLPH 3,149,304
ANDERSON, EVAN W. 3,148,837
ANDERSON, JOSEPH 3,148,870
ANDERSON, TIMOTHY H 3,145,101
ANDERSSON, MATS 3,149,420
ANDONI, SARI 3,148,847
ANDRITZ INC. 3,148,842
ANGEL, ARTURO 3,149,296
ANGSTMANN, STEVEN ANTHONY 3,148,810
ANGSTMANN, STEVEN ANTHONY 3,148,836
ANHEUSER-BUSCH INBEV S.A. 3,149,125
ANHEUSER-BUSCH INBEV S.A. 3,149,135
ANIMAL DYNAMICS LTD 3,148,946
AOKI, KEIICHI 3,144,685
AOUADI, MYRIAM 3,144,154
APOSHIAN, STEVEN 3,145,209
APRINOIA THERAPEUTICS LIMITED 3,148,740
APTINYX INC. 3,148,922
AR METALLIZING N.V. 3,148,940
ARADHYE, JAYRAJ DILIPBHAI 3,148,592
ARBUTUS BIOPHARMA, INC. 3,149,302
ARCELORMITTAL 3,149,352
ARCHERY INTELLIGENCE, LLC 3,148,962
ARCHIBALD, JOHN 3,148,477
ARCONIC TECHNOLOGIES LLC 3,148,817
ARECOR LIMITED 3,144,885
ARKADE, INC. 3,148,830
ARMSTRONG, EDWARD B. 3,144,894
ARORA, RISHI 3,144,705
ARRIS ENTERPRISES LLC 3,144,515
ARROYO, SANTIAGO 3,148,826
ARTHEC SP. Z.O.O 3,149,427
ARTIOS PHARMA LIMITED 3,149,112
ARTIOS PHARMA LIMITED 3,149,119
ARUTYUNYAN, BELLA 3,144,150
ASAMI, SHINJI 3,149,146
ASHBY, JAMIE 3,148,585
ASKGENE PHARMA, INC. 3,148,505
ASSANELLI, GIULIO 3,145,281
ASTON, ERIC 3,145,209
ATENCIO, DONALD 3,149,404
ATHERTON, CHRIS 3,145,286
ATHERTON, CHRIS 3,145,287
ATINAJA, BRIAN 3,145,086
ATTENDS HEALTHCARE PRODUCTS, INC. 3,149,001
AUGER, STEPHEN 3,145,260
AUGHTON, DAVID JOHN 3,148,626
AUGMENTED HAPTICS LTD 3,148,475
AUSTERMANN, NICK 3,144,181
AUSTIN, GREG 3,148,983
AUSTRHEIM, TROND 3,148,880
AUTOMATION, PRESS AND TOOLING, AP & T AB 3,149,424
AUTOSTORE TECHNOLOGY AS 3,148,880
AVALON HOLOGRAPHICS INC. 3,144,726

Index des demandes PCT entrant en phase nationale

AVERBACK, PAUL 3,148,850
AVERBACK, PAUL 3,149,097
AVIGNON UNIVERSITE 3,143,974
AWAS FEE GMBH 3,148,656
AXXAM S.P.A. 3,148,454
AZZIMATO, VALERIO 3,144,154
B.BOX FOR KIDS DEVELOPMENTS PTY LTD 3,144,529
BABAYAN, ANNA 3,148,731
BABU, YARLAGADDA S. 3,149,176
BACA, YASMINE EVE 3,144,918
BACHAR-LUSTIG, ESTHER 3,149,379
BADGER, PAUL 3,149,108
BADGER, PAUL 3,149,408
BADGER, PAUL 3,149,409
BADGER, PAUL 3,149,422
BAEK, HYUNJUNG 3,144,881
BAHAR, AMIR 3,144,451
BAILLIE, REBECCA C. 3,148,629
BAKER HUGHES HOLDINGS LLC 3,144,591
BAKER HUGHES OILFIELD OPERATIONS LLC 3,145,070
BAKER HUGHES OILFIELD OPERATIONS LLC 3,145,076
BAKIN, ANDREI 3,148,767
BAKKER, ALEXANDER BERTHOLD HENRIK 3,149,365
BALCEREK, JULITA 3,149,427
BALIGA, RAMESH 3,149,350
BALLHATCHET, THOMAS 3,145,093
BALON, THOMAS HAMILTON JR. 3,148,716
BALON, THOMAS HAMILTON JR. 3,148,717
BANDA, ALAMELU 3,148,447
BANKER, SEAN MICHAEL 3,144,916
BANNON, MICHAEL 3,148,979
BANSAL, AKSHAY 3,149,352
BAO, XIAOYAN ROBERT 3,144,468
BARAK, ELAD 3,149,127
BARAS, ARIS 3,148,611
BARBIER, ANN 3,148,819
BARBOSA, FELIPE DANTAS 3,145,085
BARDA, YANIV 3,149,137
BARENBOYM, MICHAEL 3,148,985
BARFIELD, ROBYN M. 3,148,807
BARTLETT, JOHN 3,148,876
BASF COATINGS GMBH 3,145,058
BASF HEALTH AND CARE PRODUCTS FRANCE S.A.S. 3,145,091
BASF SE 3,144,711
BASF SE 3,144,716
BASF SE 3,144,899
BASF SE 3,145,091
BASF SE 3,145,101
BASF SE 3,148,726
BASF SE 3,148,789
BASF SE 3,149,094
BASSO, YANNICK 3,145,091
BATRA, HITESH 3,149,358
BATTERSBY, DAVID JAMES 3,148,791
BAUBEAU, EMMANUEL 3,144,653
BAUCHE, CECILE 3,148,792
BAUCHE, CECILE 3,148,799
BAUMGARDNER, GAYLON L. 3,148,757
BAUSCH HEALTH IRELAND LIMITED 3,149,296
BAUZON, MAXINE 3,148,807
BAXTER, MELINDA 3,148,501
BAYANI, JANE 3,148,876
BAYER CROPSCIENCE LP 3,149,206
BAYER CROPSCIENCE LP 3,149,376
BAYLIS MEDICAL COMPANY INC. 3,144,440
BAYLOR COLLEGE OF MEDICINE 3,149,145
BEAUDET, JEAN-PHILIPPE 3,149,396
BEAUVOIS, DAMIEN 3,144,689
BECTON, DICKINSON AND COMPANY 3,145,017
BECTON, DICKINSON AND COMPANY 3,145,028
BECTON, DICKINSON AND COMPANY 3,145,039
BECTON, DICKINSON AND COMPANY 3,145,259
BECTON, DICKINSON AND COMPANY 3,148,761
BEGIN, MARC PAUL 3,144,187
BEHFAR, ATTA 3,148,604
BEHLING, JAN 3,148,935
BELILL, JOSHUA JAMES 3,148,789
BELIN, MARK 3,145,407
BEN-DAVID, TOMER 3,149,002
BENCE, NEIL F. 3,148,769
BENCHIMOL, THIBAUT 3,148,788
BENCHIMOL, THIBAUT 3,149,328
BENDER, CHRISTOPHER F. 3,144,603
BENNETT, DAVID B. 3,148,522
BENRAISS, ABDELLATIF 3,144,687
BERGER, MARC 3,148,842
BERGERHOFF, KATHARINA 3,148,588
BERGMANN, MADISON 3,149,325
BERGON, BLAISE 3,144,516
BERMAN, DAVID 3,148,876
BERMUDEZ, SOPHIE 3,144,722
BERNS, BOB STEVEN 3,148,830
BERODIER, ELISE 3,148,983
BERROU, AXELLE 3,145,268
BERTRY, LAURE 3,145,224
BESCHE, BEATRICE 3,148,720
BESTEL, ELKE 3,148,939
BETMIX LLC 3,149,092
BETTOUN, JOAN DAVID 3,149,194
BEVENSEE, BRENDAN ELWOOD 3,148,816
BHAGWANDIN, STEVE 3,148,449
BHALLA, SANJIV BHALLA 3,148,991
BHAMRI, ANKIT 3,148,743
BHARDWAJ, RAHUL 3,148,518
BHARDWAJ, RAHUL 3,149,185
BHATT, VARSHA 3,149,296
BIANCHI, CLARA 3,149,373
BIBARD, LEOPOLD 3,148,883
BIBARD, LEOPOLD 3,148,927
BIBARD, LEOPOLD 3,148,932
BIENERT, KEVIN 3,144,844
BIGOLIN, BARBARA 3,149,372
BIKA BIOTECH (GUANGZHOU) CO., LTD 3,145,107
BILODEAU, MICHAEL ALBERT 3,144,872
BILODEAU, MICHAEL ALBERT 3,144,886
BINDER, RANDALL J. 3,148,794
BINSHTOCK, EYAL 3,144,166
BIOCRYST PHARMACEUTICALS, INC. 3,149,176
BIOEB 3,148,887
BIOHAVEN THERAPEUTICS LTD. 3,148,794
BIOMIMESI SRL 3,149,355
BIONOMICS LIMITED 3,149,182
BIOSKRYB GENOMICS, INC. 3,149,201
BIOUSSE, PATRICE 3,145,183
BISHOP, PHILIPPE 3,148,792
BJERREGAARD, BOLETTE 3,149,333
BLACK, JOHN ALEXANDER 3,149,113
BLACK, ROBERT DAVID 3,149,113
BLADE THERAPEUTICS, INC. 3,148,822
BLANCHETTE, VINCENT 3,148,761
BLENCOWE, PETER 3,149,119
BLOMGREN, PETER A. 3,148,613
BLOOM, GUILLAUME 3,143,954
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,148,454
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,149,379
BOCCI, FRANK ANTHONY 3,148,795
BODISHBAUGH, ADRIAN BENJAMIN 3,148,496
BOEHRINGER INGELHEIM RCV GMBH & CO KG 3,149,433
BOGDANOV, DENIS 3,144,166
BOIRE, TIMOTHY C. 3,148,465
BOISSIERE, BENJAMIN 3,149,352
BOLZAN, IVANO 3,149,100
BONTA, JACOB 3,144,853
BOOTH, NICHOLAS 3,148,811
BORDER, JOHN 3,148,759
BORRELLI, MIMI 3,144,185
BOSTON SCIENTIFIC SCIMED, INC. 3,148,519
BOSTON SCIENTIFIC SCIMED, INC. 3,148,797
BOTEK PRAZISIONSBOHRTECHNIK GMBH 3,149,423
BOUFAIED, NADIA 3,148,876
BOUMENDJEL, AHCENE 3,148,804
BOURNE, SUZANNAH 3,149,114
BOUTHEON, ALEXANDRE 3,149,297
BOUTROS, PAUL 3,148,876
BOVA, JEFFREY S. 3,145,260
BOVOLENTA, SILVIA 3,148,454
BOWER, MATTHEW JOHN 3,149,301

BOYD, GARRETT S. 3,149,362
BOYD, MITCHELL A. 3,149,362
BOYE, CEDRIC 3,144,727
BOYER, JOSE L. 3,145,055
BOZKURT, BATUHAN TURHAN 3,148,933
BRADLEY, JOE 3,148,599
BRAICH, SHIVRAH KAUR 3,148,629
BRAIDA, MARC-DAVID 3,145,224
BRAINCHIP, INC. 3,144,898
BRANA, JOSE D. 3,149,388
BRANCH, THOMAS P. 3,144,441
BRAVO, CESAR ANTONIO 3,149,318
BREITINGER, BECKY WELSH 3,144,675
BREITINGER, BECKY WELSH 3,144,720
BRENNOM, STEPHEN 3,148,814
BRESTEL, MORDECHAI 3,149,351
BRGOCH, JAKOAH 3,145,214
BRIDGENE BIOSCIENCES, INC. 3,148,610
BRIGHAM YOUNG UNIVERSITY 3,145,403
BRIGHTSEED, INC. 3,148,593
BRITTINGHAM, RAYMOND 3,148,735
BROWN, GREGORY FERGUSON 3,148,849
BROWN, JONATHAN MILES 3,144,467
BRUCE, JOHN A. 3,145,275
BRUCELLE, FRANCOIS 3,149,095
BRUENNEMANN, MICHAEL 3,145,058
BUAN, JOHN 3,144,894
BUATOIS, SIMON BERTRAND MARIE 3,144,921
BUATOIS, SIMON BERTRAND MARIE 3,144,923
BUCHER, CHRISTOPH 3,144,921
BUCHER, CHRISTOPH 3,144,923
BUCHER, MARKUS 3,144,928
BUCHER, SEBASTIEN 3,144,471
BUCKLAND, JUSTIN 3,148,775
BUCKLAND, JUSTIN 3,148,777
BUCKLEY, MICHAEL 3,149,093
BUHLMANN, PHILIPPE 3,148,805
BUISSETTE, VALERIE 3,145,224
BUKIN, MICHAEL 3,148,861
BUKOWSKI, JEAN-MICHEL 3,145,055
BULL, DAVID JOHN 3,144,735
BULL, JAMES PHILLIP 3,144,735
BULLER, BENYAMIN 3,148,849
BULLOCH, ERIC BRANCH 3,144,475
BUNK, SEBASTIAN 3,148,936
BUNK, SEBASTIAN 3,148,937
BURCKLEN, MICHEL 3,145,269
BURDENIUC, JUAN JESUS 3,144,414
BUREL, BRUNO 3,149,131
BUREL, BRUNO 3,149,133
BURKART, MICHAEL D. 3,148,992
BUTAUD, ROMAIN 3,144,496
BUTLER, NEIL ALAN 3,148,716
BUTLER, NEIL ALAN 3,148,717
BUTTYAN, RALPH 3,148,876
BUXTON, CRAIG 3,145,120
BYEON, HYE RIM 3,132,600
BYHEALTH CO., LTD. 3,147,134
C.N.C.C.S. SCARL COLLEZIONE NAZIONALE DEI COMPOSTI CHIMICI E CENTRO SCREENING 3,148,723
CAAMTECH, INC. 3,145,077
CADARETTE, MARC 3,148,781
CAI, DENGKE 3,132,654
CALBRIS, GAETAN 3,148,746
CALGON CARBON CORPORATION 3,148,461
CALLIES, XAVIER 3,148,800
CALVO, YEISON 3,148,519
CAMERON, MATTHEW S. 3,148,518
CAMPBELL, JONATHAN IAN 3,149,098
CAMPBELL, TARYN L. 3,148,613
CANDU ENERGY INC. 3,149,318
CANFIELD, RYAN 3,144,159
CANIGLIULA, FABIO 3,148,590
CANNAMELA, MICHAEL 3,149,132
CANOPY GROWTH CORPORATION 3,148,765
CANOPY GROWTH CORPORATION 3,148,766
CANOPY GROWTH CORPORATION 3,148,994
CANTOR, MICHAEL 3,149,344
CAO, PING 3,148,610
CAPITAL ONE SERVICES, LLC 3,144,182
CAPITAL ONE SERVICES, LLC 3,144,391
CAPITAL ONE SERVICES, LLC 3,144,455
CAPITAL ONE SERVICES, LLC 3,144,492
CAPITAL ONE SERVICES, LLC 3,144,722
CAPPELLO, SERGE 3,144,188
CARBO CERAMICS INC. 3,144,159
CARDOZO, MARIO 3,148,769
CAREFUSION 303, INC. 3,148,595
CARLSEN, MARIANNE 3,148,794
CARLSON, JASON 3,148,815
CARLSON, KRISTOFOR D. 3,144,898
CARR, CALEB B. 3,148,446
CARR, PATRICK 3,148,446
CARTER, ROBERT 3,149,201
CARUSO, ISABELLA 3,148,500
CARUSO, ISABELLA 3,148,607
CARWARDINE, LAURA 3,149,400
CASE WESTERN RESERVE UNIVERSITY 3,144,413
CASTILO, MARK 3,149,363
CASTO, CHRISTIANA 3,148,469
CASTRO, JULIAN FUENTES 3,148,519
CAT TECH INTERNATIONAL LTD. 3,148,814
CATRON, ROBERT 3,149,407
CATTANEO, CARLO 3,148,736
CAVITY SLIDERS LIMITED 3,149,310
CEDARS-SINAI MEDICAL CENTER 3,148,600
CEDARS-SINAI MEDICAL CENTER 3,148,617
CEG TECHNOLOGY UK LIMITED 3,148,716
CEG TECHNOLOGY UK LIMITED 3,148,717
CELERYA SRL 3,149,307
CELLIX BIO PRIVATE LIMITED 3,149,128
CENTRAL GARDEN & PET COMPANY 3,148,848
CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE 3,148,734
CENTRE HOSPITALIER UNIVERSITAIRE DE TOULOUSE 3,149,332
CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE ALPES 3,148,783
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,144,663
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,148,659
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 3,148,783
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS - 3,148,800
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,149,325
CERA, UDO 3,144,539
CERBONI, SACHA 3,148,645
CEVA SANTE ANIMALE 3,148,720
CEYLAN, ISMAIL 3,145,268
CEZERAC, JEROME 3,149,131
CEZERAC, JEROME 3,149,133
CHADEAYNE, ANDREW R. 3,145,077
CHAE, LEE 3,148,593
CHAE, YONGKEE 3,144,911
CHAI, HUI 3,149,406
CHAKRABORTY, RUPAK 3,148,500
CHAKRABORTY, RUPAK 3,148,607
CHALLA, PRANAV 3,144,181
CHAN, IVAN 3,144,724
CHAN, MICHAEL KWONG 3,145,039
CHAN, WARREN C. 3,148,992
CHANDRASEKHAR, JAYARAMAN 3,148,613
CHANG, EDWARD F. 3,145,254
CHANTELOUP, DENIS LUC ALAIN 3,144,907
CHAPMAN, DAVE 3,148,586
CHARLES, MARK 3,149,119
CHAROIN, JEAN-ERIC 3,144,921
CHAROIN, JEAN-ERIC 3,144,923
CHASE, THOMAS 3,148,789
CHATAIGNER, MATHILDE 3,148,659
CHAU, ALFRED 3,148,991
CHEE, CELIA 3,144,164
CHEER GLOBAL LIMITED 3,144,719
CHEIM, LUIZ 3,148,727
CHEIM, LUIZ 3,148,790
CHEN, BINGZHI 3,148,825
CHEN, HUANG 3,149,326
CHEN, JAMES F. 3,148,798

CHEN, PAN 3,145,057
CHEN, PING 3,148,633
CHEN, SHU, HUI 3,148,719
CHEN, SHUAI 3,149,302
CHEN, XIANXIANG 3,148,639
CHEN, XIN 3,148,805
CHEN, YANG 3,144,469
CHEN, YIHUA 3,149,326
CHEN, YUHUA 3,148,617
CHEN, ZHENLONG 3,148,980
CHEN, ZHILIN 3,148,639
CHENEGROS, GUILLAUME 3,144,901
CHENEY, CRAIG 3,148,597
CHENG, MARCO 3,144,898
CHEVALIER, SIMONE 3,148,876
CHEVESSIER-TUNNESEN, FREDERIC 3,144,902
CHEVRON U.S.A. INC. 3,149,300
CHEVRON U.S.A. INC. 3,149,301
CHIANG, YET-MING 3,148,500
CHIANG, YET-MING 3,148,607
CHICAGO DISPLAY COMPANY D/B/A CHICAGO DISPLAY MARKETING CORPORATION 3,149,106
CHINA OILFIELD SERVICES LIMITED 3,135,123
CHINTAKINDI, SUNIL 3,148,762
CHIOCLEA, SHMUEL 3,144,745
CHITTARI, RAVIKIRAN 3,148,599
CHITTURI, TRINADHA RAO 3,148,592
CHIU, WEI JIAN 3,149,143
CHO, HYUN-YONG 3,148,866
CHO, YOUNG 3,144,181
CHOATE, JEREMY RYAN 3,145,076
CHOI, JAE RIM 3,148,784
CHOI, JUA 3,148,600
CHOPARD, MARCELIN RAGOT 3,149,327
CHRISTEY, PETER 3,148,918
CHRISTODOULOU, ANTHONY 3,148,617
CHRONOLIFE SAS 3,144,901
CHU, GIMMY 3,148,738
CHU, MAX RAE 3,148,500
CHU, MAX RAE 3,148,607
CHUDAK, MARK ADAM 3,149,318
CHURCH & DWIGHT CO., INC. 3,144,681
CHUTE, WADE 3,144,191
CIAMMAICHELLA, ALINA 3,148,723
CIMANDER, CHRISTIAN 3,149,333
CINQUIN, PHILIPPE 3,148,783
CIPO 3,144,420
CIPO 3,149,182
CIPRIANI, DANIELE 3,149,355
CIPRIANI, SERGIO 3,144,604
CLAMENS, THOMAS 3,144,733
CLARK, CHRISTOPHER T. 3,148,613
CLARK, GEORGINA JANE 3,145,697
CLARK, WESLEY P. 3,144,463
CLAUDETREMBLEAU, LAURENT ALAIN 3,149,175
CLAUSEN, JACOB D. 3,149,333
CLEARVUE TECHNOLOGIES LTD 3,148,755
CLEMENT, STEPHEN JAMES 3,148,791
CLIFF, NANCY N. 3,149,094
CNH INDUSTRIAL AMERICA LLC 3,145,271
CNH INDUSTRIAL AMERICA LLC 3,145,279
CNH INDUSTRIAL AMERICA LLC 3,145,282
CNH INDUSTRIAL AMERICA LLC 3,145,283
CNRS - CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,148,804
CO2 GRO INC. 3,148,477
COATES, PROFESSOR ANTHONY 3,144,541
COCHRAN, JENNIFER R. 3,144,192
COGAN, NOEL 3,148,629
COHEN DAYAG, ANAT 3,149,093
COHEN PEER, REUT 3,148,950
COHEN, FREDERICK 3,148,769
COHEN, LUCAS 3,148,607
COHEN, ODED 3,148,950
COLE, ANDREW G. 3,149,302
COLE, CHRISTOPHER 3,148,755
COLEMAN, TODD 3,145,262
COLLINGWOOD, STEPHEN 3,145,120
COLLINGWOOD, STEPHEN 3,145,285
COLUMBIA INSURANCE COMPANY 3,145,086
COMFORT, CHARLES H., III 3,148,468
COMFORT, CHARLES H., IV 3,148,468
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,144,667
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,144,683
COMPUGEN LTD. 3,149,093
CONDIE, ALLISON G. 3,148,754
CONRADI, OLIVER 3,144,717
CONRY, THOMAS 3,148,500
CONRY, THOMAS 3,148,607
CONSTELLATION PHARMACEUTICALS, INC. 3,148,447
CONSTELLATION PHARMACEUTICALS, INC. 3,149,095
CONSTUBLE, DALE 3,145,116
CONTRERAS GALLARDO, JUAN MANUEL 3,148,726
CONVERGENE, LLC 3,137,870
COOLSIDE LIMITED 3,149,098
COORDES, THOMAS 3,149,138
CORDUFF, MICHAEL 3,149,429
CORNWELL, JOHN 3,148,829
COTE, JEAN-SEBASTIEN 3,148,761
COULIER, PIETER 3,148,849
COVIDIEN LP 3,149,398
CREAMER, KURT 3,144,423
CROASMUN, ALYSSA L. 3,144,579
CROHN, ROBERT 3,144,682
CROIVALVE LTD. 3,148,739
CROSSMAN, JULIA 3,149,182
CROSSROADS EXTREMITY SYSTEMS, LLC 3,148,763
CROWE, JR. JAMES E. 3,145,278
CS MEDICA A/S 3,148,643
CSERJAN-PUSCHMANN, MONIKA 3,149,433
CUBES GMBH 3,144,189
CUBIC CORPORATION 3,148,469
CUI, JUN 3,148,646
CUMMINS, THOMAS 3,148,769
CUREVAC AG 3,144,902
CURLEY JR., THOMAS JOSEPH 3,144,720
CURLEY, THOMAS JOSEPH 3,144,675
CURRIE, KEVIN S. 3,148,613
CUSANO, VALENTINA 3,148,454
CYCLACEL LIMITED 3,145,286
CYCLACEL LIMITED 3,145,287
CYTOVALE INC. 3,148,774
CZAUDERNA, HENDRIK 3,145,058
CZINNER, ROBERT 3,144,191
CZYZEWSKI, MICHAL 3,145,287
D'ANGELO, IGOR 3,148,591
D'OR INSTITUTE FOR RESEARCH AND EDUCATION - IDOR 3,149,425
DA ENCARNACAO, LUIS HENRIQUE 3,148,460
DA SILVEIRA MAXIMO, PATRICIA ISABEL 3,149,158
DA SILVEIRA MAXIMO, PATRICIA ISABEL 3,149,175
DAHLBERG, CHRISTOPHER 3,148,774
DAHLLUND, JOHANNA 3,148,582
DAI, BO 3,145,267
DAIICHI SANKYO COMPANY, LIMITED 3,148,858
DAIMLER AG 3,144,882
DAIMLER AG 3,144,893
DAIRY AUSTRALIA LIMITED 3,145,516
DAL BELLO, RICCARDO 3,144,146
DALY, KERRY G. 3,144,643
DAMES, ANDREW 3,149,344
DAN, MATEI 3,144,441
DANA-FARBER CANCER INSTITUTE, INC. 3,149,374
DANEROL, ANNE-SOPHIE 3,148,800
DAOUST, DANIEL 3,148,989
DARBRE, TAMIS 3,149,431
DAS, DEBASIS 3,148,719
DATCHAT, INC. 3,149,004
DAUER, ROSEMARIE 3,148,643
DAUX, MARIE 3,148,800
DAVERAT, PIERRE 3,144,496
DAVID PENN CONSULTING PTY. LTD. 3,146,229
DAVIES, GARETH 3,144,440
DAVIES, JOHN E. 3,148,631
DAVIES, LINDSAY CATRINA 3,148,582
DAVIS, STEPHEN RICHARD 3,148,848
DAVITT, MICHAEL FRANCIS 3,144,185

DAWSON, JOHN LUTHER 3,144,675
DAWSON, JOHN LUTHER 3,144,720
DAY, ANTHONY 3,148,714
DE GUNST, MATHEUS MARIA 3,148,713
DE KRUIF, CORNELIS ADRIAAN 3,149,309
DE MAGRINA, JOAN 3,148,962
DE SERIO BRANCO, PAULA CRISTINA 3,149,175
DEADMAN, JASON 3,149,318
DEB, BODHI 3,148,599
DECAMP, RONALD 3,148,974
DECKER, WILLIAM 3,145,209
DECRESCENZO, GARY ANTHONY 3,149,304
DEEG, JURGEN 3,149,423
DEFENDER SCREENS INTERNATIONAL LLC 3,144,723
DEITZ, RUBEN 3,148,948
DEKEL, RAN 3,144,745
DEKKER VACUUM TECHNOLOGIES INC. 3,144,500
DEKOCKER, WIM 3,149,125
DEKOCKER, WIM 3,149,135
DEL VILLANO, FAUSTO 3,148,590
DELACORN, JOEL MICHAEL 3,148,626
DELAHAYE, THOMAS NOLWENN EMMANUEL 3,144,516
DELMAS, MICHEL 3,148,887
DELPIERRE, GHISLAIN 3,148,924
DENDROCYTE BIOTECH PTY LTD 3,145,697
DENG, HAIBING 3,144,542
DENKER, FILIP 3,145,093
DENNEY, WILLIAM 3,148,826
DENU, MEGANE 3,148,788
DENU, MEGANE 3,149,328
DEPPE, PETER 3,148,452
DERAIL, CHRISTOPHE 3,148,800
DEROSA, FRANK 3,148,819
DESJARDINS, GENEVIEVE 3,144,731
DESJARDINS, GENEVIEVE 3,144,734
DESJARDINS-PARK, HEATHER ELIZABETH 3,144,185
DESROSIERS, JOHN J. 3,148,861
DESTLER, JONATHAN 3,148,811
DEUTSCH, ERIC 3,144,509
DEVANE, JOHN 3,148,812
DHINJAN, BUDHA SINGH 3,148,583
DHODAPKAR, SHRIKANT 3,144,579
DI CARLO, KEVIN 3,149,318
DI LERNIA, DANIELE 3,148,722
DIAS, ANUSHA 3,148,819
DIDUCH, DAVID R. 3,148,470
DIEHL, ERIC 3,144,914
DIETRICH, ROBERT ARTHUR 3,144,675
DIETRICH, ROBERT ARTHUR 3,144,720
DIMIRCO, DANIEL BENJAMIN 3,145,039
DINEL, ANNE-LAURE 3,148,659
DION, DOMINIQUE 3,149,139
DITTMAR, EDWARD 3,144,441
DIXIT, SURJIT BHIMARAO 3,144,734
DIXON, LINDA 3,148,586
DJOUDI, MOUNIR 3,149,325
DNAE DIAGNOSTICS LIMITED 3,148,587
DO, HA 3,144,603
DOBLER, OLIVER 3,148,485
DOBLER, OLIVER 3,148,768
DOBRILOVIC, NIKOLA 3,149,089
DOE, DOUG 3,144,466
DOERBECK, TILL 3,149,122
DOMBREVAL, MAUD 3,148,619
DONALD, ROBERT 3,148,529
DONATI, ELISABETTA 3,149,373
DONG, LIUXIN 3,144,420
DONG, YU 3,135,123
DOOLIN, ELIZABETH 3,149,182
DOPIERALA, CINDY 3,148,783
DORON, NETA 3,144,745
DORSEY, BRUCE D. 3,149,302
DOS SANTOS BALTAZAR DE LIMA, PEDRO AFONSO 3,149,158
DOS SANTOS BALTAZAR DE LIMA, PEDRO AFONSO 3,149,175
DOUVILLE, HUGO 3,149,323
DOW GLOBAL TECHNOLOGIES LLC 3,144,579
DOW GLOBAL TECHNOLOGIES LLC 3,145,059
DOW GLOBAL TECHNOLOGIES LLC 3,145,064
DOW GLOBAL TECHNOLOGIES LLC 3,145,068
DOW GLOBAL TECHNOLOGIES LLC 3,145,085
DOWLING, JOHN P. 3,149,198
DOWNING, KRISTIE 3,149,182
DOYLE, LELAND 3,148,468
DOYLE, MICHAEL P. 3,148,468
DRAKE, PENELOPE M. 3,148,807
DREW, EMILY JEAN 3,144,682
DRFIRST.COM, INC. 3,148,798
DRIESSEN, ROBERTUS LAMBERTUS MARIA 3,148,942
DRITSAS, PANAYOTIC 3,149,318
DROVER, DAVID R. 3,149,399
DRURY, BENJAMIN 3,145,093
DU, GUANGYAN 3,149,374
DUAN, HOULI 3,149,335
DUBOV, ALEKSEI 3,149,186
DUFORT, SANDRINE 3,148,734
DUGAN, BENJAMIN J. 3,149,302
DUGAN, MICHAEL 3,149,109
DUGUINE, MARIA AGUSTINA 3,148,643
DUKES, SIMON 3,144,469
DUMAS, FRANCOIS 3,149,396
DUMAS, LILIAN YANN 3,144,516
DUMAS, PASCAL 3,144,901
DUNAWAY, PAUL 3,149,344
DUNCAN, JAMES S. 3,148,504
DUNFORD, PAUL 3,149,209
DUONG, ANH N. 3,144,911
DUPERRAY, PHILIPPE 3,149,125
DUPERRAY, PHILIPPE 3,149,135
DUQUESROIX-CHAKROUN, BRIGITTE 3,145,055
DURBAN, MATTHEW 3,148,808
DUSTERHOFT, RONALD GLEN 3,149,416
DUTHEIL, STEPHANE 3,149,131
DUTHEIL, STEPHANE 3,149,133
DYCK, NATHAN 3,148,738
DYCK, TOBIAS 3,144,721
DYE III, JOHN ROBERT 3,144,905
EARLE-MITCHELL, EILIDH ALEXANDRA 3,149,098
EBERSOHN, FRANS HENDRIK 3,145,408
EBRAHIMIZADEH, WALEAD 3,148,876
ECHAZARRA HUGUET, JONE 3,148,726
ECHO PHARMACEUTICALS B.V. 3,149,120
ECHO PHARMACEUTICALS B.V. 3,149,121
ECHO PHARMACEUTICALS B.V. 3,149,298
ECOCHARD, CLAUDE 3,145,245
ECOLAB USA INC. 3,148,620
ECOLAB USA INC. 3,148,795
ECOLAB USA INC. 3,148,825
ECOLAB USA INC. 3,148,977
ECOLE NATIONALE VETERINAIRE DE TOULOUSE 3,149,332
ECOMETALES LIMITED 3,143,384
EDINGER, BENJAMIN 3,149,143
EDWARDS LIFESCIENCES CORPORATION 3,148,861
EGGERS, TILL 3,148,726
EHRMAN, KENNETH SCOTT 3,144,145
EHRMAN, MICHAEL 3,144,145
EIKONIZO THERAPAPEUTICS, INC. 3,149,096
EISENACH, REBECCA 3,148,500
EISENACH, REBECCA 3,148,607
EKWURU, TENNYSON 3,149,119
EL AKKAD, TAREK 3,145,269
EL-DEEB, IBRAHIM 3,148,756
EL-KATTAN, YAHYA 3,149,176
ELCOCK, ALBERT F. 3,144,515
ELLISON, THOMAS J. 3,149,390
EMIRU, HILINA 3,148,977
EMMERICH, JAN, SOREN 3,148,935
EMMRICH-SMOLCZYK, EVA 3,144,414
EMPL, GUNTER 3,148,715
ENDERLE, WOLFGANG 3,144,882
ENDO, YUTA 3,149,377
ENGELE, PETRA 3,149,433
ENI S.P.A. 3,145,281
ENTEROBIOME INC. 3,132,600
ENTIRE R&D PTY LTD 3,147,635
EQUALAIRE SYSTEMS, INC. 3,148,995
EQUALAIRE SYSTEMS, INC. 3,148,996
EQUALAIRE SYSTEMS, INC. 3,148,998
ERB, RICHARD 3,144,844
ERB, TOBIAS JURGEN 3,148,934
ERBACHER, PATRICK 3,148,788
ERBACHER, PATRICK 3,149,328
ERGON ASPHALT & EMULSIONS, INC. 3,148,757
ERHARD, KRISTINA 3,145,252
ERMI INC. 3,144,441

ESCOBAR-CABRERA, ERIC 3,144,731
ESCOBAR-CABRERA, ERIC 3,144,734
ESCOTO, JOHN ISIDORO 3,149,312
ESENLIK, SEMIH 3,145,380
ESKI, ALIAKBAR JUZER 3,148,738
ESSILOR INTERNATIONAL 3,148,721
ESTEBAN MARTIN, SANTIAGO 3,148,785
ESTES, BRAM 3,148,591
ETIENNE, MARTIAL 3,149,131
ETIENNE, MARTIAL 3,149,133
EUREKA THERAPEUTICS, INC. 3,148,646
EUSEBIO, MARIO 3,149,100
EVANS, MARK 3,149,371
EVANS, OLIVER BRYN 3,149,392
EVETT, JAMES 3,149,344
EVONIK OPERATIONS GMBH 3,144,414
EVONIK OPERATIONS GMBH 3,144,717
EVONIK OPERATIONS GMBH 3,144,916
EVONIK OPERATIONS GMBH 3,145,276
EVOQUA WATER TECHNOLOGIES LLC 3,144,469
EWART, SEAN W. 3,145,059
EXACT IMAGING INC. 3,144,769
EXPRO AMERICAS, LLC 3,144,643
EYCHENNE, VALERIE 3,145,091
F. HOFFMANN-LA ROCHE AG 3,144,840
F. HOFFMANN-LA ROCHE AG 3,144,921
F. HOFFMANN-LA ROCHE AG 3,144,923
F. HOFFMANN-LA ROCHE AG 3,145,239
F. HOFFMANN-LA ROCHE AG 3,145,252
FACC AG 3,148,473
FAIVELEY TRANSPORT AMIENS 3,144,689
FAIVELEY TRANSPORT AMIENS 3,144,692
FAIVELEY TRANSPORT AMIENS 3,144,856
FALCH, CHRISTIAN 3,144,189
FALKONRY INC. 3,148,975
FALSON, PIERRE 3,148,804
FAN, JUN 3,149,403
FAN, YI 3,149,302
FANCOTE, GAVIN 3,147,635
FANCOTE, MICHAEL 3,147,635
FANG, HUIYING 3,145,267
FANG, JIAFU 3,149,312
FANG, JUN 3,148,793
FARKAS, DANIEL L. 3,148,811
FARMERS EDGE INC. 3,148,873
FAST IP, LLC 3,148,597
FATTAL, DAVID A. 3,133,396
FATTAL, DAVID A. 3,148,748
FATTAL, DAVID A. 3,148,752
FAUBERT, JOCELYN 3,148,721
FAUBION, MADELINE G. 3,148,977
FAVERO, ROSS 3,148,806
FAVREAU, JOHN THOMAS 3,148,797
FAZUA GMBH 3,149,144
FEBUS OPTICS 3,148,746
FEDERICI, LUCA (DECEASED) 3,149,356
FEDERICI, LUCA (DECEASED) 3,149,364
FEED FLOW LIMITED 3,149,327
FEI, TENG 3,144,420
FEILDING, AMANDA 3,149,425
FELIPE, MARY JANE 3,144,591
FENG, TENG 3,148,886
FENG, TENG 3,148,903
FENG, TENG 3,148,921
FENG, TENG 3,148,926
FERRARI, LUCA 3,145,271
FERRARI, LUCA 3,145,279
FERRARI, LUCA 3,145,283
FERRAZ, DOUGLAS ROCHA 3,148,738
FERREIRA DA COSTA LOURENCO, ANA MARIA 3,149,158
FERREIRA DA COSTA LOURENCO, ANA MARIA 3,149,175
FERREIRA, MANUEL ALLEN REVEZ 3,148,611
FERRIGNO, FEDERICA 3,148,723
FEUILLOLEY, MARC 3,144,733
FIBERDOM OY 3,149,347
FIELLO, JONATHAN RICHARD 3,145,297
FILIPPOV, ALEKSEJ VLADIMIROVICH 3,144,195
FIMECS, INC. 3,148,955
FINCH, HARRY 3,149,119
FINGERLE, STEFAN 3,144,844
FINNEGAN, GERARD R. 3,149,094
FINX 3,149,316
FIREFLY AUTOMATIX, INC. 3,145,209
FIROUZI, KAMYAR 3,143,255
FISCHER, LINDA 3,148,798
FISKE, BRIAN P. 3,149,199
FITTIPALDI, MAURO 3,148,594
FITZGERALD, PETER 3,148,718
FIUMICELLI, CATIUSCIA 3,144,604
FJELDHEIM, IVAR 3,148,880
FLACHER, RICHARD 3,149,131
FLACHER, RICHARD 3,149,133
FLAISHMAN, MOSHE ARIE 3,148,950
FLAMINIO, LUCA 3,148,590
FLESSNER, GUNTER 3,149,138
FLEURY, ETIENNE 3,144,667
FLEURY, ETIENNE 3,144,683
FLOWCO PRODUCTION SOLUTIONS, LLC 3,149,362
FLUID METERING, INC. 3,148,925
FOGLER, WILLIAM E. 3,145,263
FOLEY, NICK 3,149,132
FOLIUM BIOSCIENCES EUROPE B.V. 3,144,917
FOLTZ, IAN NEVIN 3,148,591
FORD, ALEXANDER FRANCIS 3,149,310
FORM ENERGY, INC. 3,148,500
FORM ENERGY, INC. 3,148,607
FORPET S.A.R.L. 3,149,317
FORSTER, IAN 3,148,449
FORSYTH, CASEY MITCHELL 3,149,327
FORTIN, MARIE-CHRISTINE 3,148,761
FORTPIED, JULIETTE 3,148,924
FOX, ANDREW R. 3,148,596
FRANKIE4 IP 1 PTY LTD 3,148,981
FRANZEN, PETER 3,144,854
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,136,870
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,149,099
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,149,297
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,148,935
FREEMAN, MATTHEW 3,148,789
FREEPORT-MCMORAN INC. 3,149,407
FREEZIO AG 3,148,715
FRENCH, EDWARD JAMES 3,144,713
FRENCH, MARIA S. 3,148,754
FRIEDRICH, LUDWIG 3,148,884
FRIES, RUDOLF 3,149,257
FRIPP, MICHAEL LINLEY 3,144,922
FRIPP, MICHAEL LINLEY 3,145,118
FRITH, ROBERT 3,148,810
FRITSCHI, RAPHAEL 3,148,645
FU, JUN 3,149,169
FUCHS, JOSHUA ALLAN 3,148,830
FUENTES, MARIA 3,148,822
FUJI CORPORATION 3,148,741
FUJIMOTO, AYAKA 3,149,149
FUJIMOTO, SOICHI 3,145,079
FUJIMOTO, SOICHI 3,145,080
FUJITANI, SUMIAKI 3,148,858
FUNDACIO CLINIC PER A LA RECERCA BIOMEDICA 3,148,930
G.D SOCIETA' PER AZIONI 3,149,356
G.D SOCIETA' PER AZIONI 3,149,364
GABRILOVICH, DMITRY 3,148,827
GAD, HIKAL KHAIRY SHOHDY 3,148,726
GALE, BRIAN D. 3,148,596
GALLAGHER, BILLY JACK 3,148,810
GALLAGHER, BOBBY JAMES 3,148,810
GALLAGHER, BOBBY JAMES 3,148,836
GALLAWAY, RODNEY 3,144,475
GALPIN, FRANCK 3,149,102
GALZIN, GUILLAUME 3,144,727
GAMBOA, JOHN 3,148,519
GAMBOA, JOSE ALBERTO 3,149,301
GAME, XAVIER 3,149,332
GAMMADELTA THERAPEUTICS LIMITED 3,148,588
GAMO, KANAE 3,148,955
GANDER, SOPHIE 3,144,667
GANDER, SOPHIE 3,144,683
GANESAN, RAJKUMAR 3,148,735
GAO, BO 3,144,172
GAO, HAN 3,145,380

GAO, SI 3,148,878
GARCIA, RICARDO 3,148,860
GARIBAY, PATRICK WILLIAM 3,144,611
GATES CORPORATION 3,148,781
GAWAD, CHARLES 3,149,201
GAYET, LANDRY 3,144,663
GCP APPLIED TECHNOLOGIES INC. 3,148,983
GCP APPLIED TECHNOLOGIES INC. 3,148,986
GEHLING, VICTOR S. 3,148,447
GEILING, BEN 3,148,765
GEILING, BEN 3,148,766
GEILING, BEN 3,148,994
GEISSLER COMPANIES, LLC 3,149,006
GEISSLER, RANDOLPH K. 3,149,006
GELI, MAURICE 3,148,782
GELINGER, VIKTOR 3,148,869
GENCELLMED INC. 3,144,881
GENDERS, DAVID 3,148,813
GENENTECH, INC. 3,145,239
GENERAL AUTOMATION LAB TECHNOLOGIES INC. 3,148,918
GENG, MEIYU 3,148,886
GENG, MEIYU 3,148,903
GENG, MEIYU 3,148,921
GENG, MEIYU 3,148,926
GENMAB A/S 3,149,333
GENZYME CORPORATION 3,148,764
GEOFFREY GARDINER DAIRY FOUNDATION LIMITED 3,145,516
GEORGES, PIERRE 3,149,352
GERA, NIMISH 3,149,199
GERBER-PAPIN, DENIS 3,144,689
GERBER-PAPIN, DENIS 3,144,692
GERBER-PAPIN, DENIS 3,144,856
GERKE, BIRGIT 3,144,711
GERKE, BIRGIT 3,144,716
GERKE, BIRGIT 3,144,899
GERRING, DAVID 3,144,885
GERSTEIN, FRANCINE 3,145,265
GESSLER, RYAN 3,145,116
GHARESI, ABDOLREZA 3,145,118
GIAMPUZZI, PAOLO ANTON 3,149,127
GIANG, ERICK 3,148,840
GIBSON, MICHAEL 3,148,500
GIBSON, MICHAEL ANDREW 3,148,607
GIBSON, TIM 3,148,762
GIDRON BUDOVSKY, ROTEM 3,149,379
GIFTED BILL ENTERPRISES LLC 3,144,732
GILBERT, SIMON 3,148,946
GILBERT, TRISTAN 3,148,500
GILBERT, TRISTAN 3,148,607
GILCHREST, ALAN 3,148,599
GILEAD SCIENCES, INC. 3,148,613
GILL, CHRIS 3,145,287
GINGRAS, LUC 3,148,842
GINZBURG, ZAKHAR 3,148,808
GLASS, ERIC 3,148,806
GLAXOSMITHKLINE BIOLOGICALS SA 3,148,924
GLAXOSMITHKLINE BIOLOGICALS SA 3,148,928
GLAXOSMITHKLINE BIOLOGICALS SA 3,149,430
GLENCROSS, JAMES 3,149,132
GLOCK TECHNOLOGY GMBH 3,149,342
GLOCK TECHNOLOGY GMBH 3,149,435
GLYCOMIMETICS, INC. 3,145,263
GODA, PARAS 3,144,190
GOERZEN, JONATHAN ARTHUR 3,149,009
GOETZ, PHILIPP 3,149,099
GOLDMAN, STEVEN A. 3,144,687
GOLDSTEIN, MINDY S. 3,145,265
GOLFZON CO., LTD. 3,149,314
GOMES, JORGE CAMINERO 3,145,085
GOMES, RUI 3,149,175
GONCALVES, CLAUDINO 3,144,689
GONCALVES, CLAUDINO 3,144,692
GONCALVES, CLAUDINO 3,144,856
GONCALVES, HUGO 3,143,974
GONZALES-PENA, VERONICA 3,149,201
GONZALEZ SAN EMETERIO, MIGUEL 3,148,726
GONZALEZ, GUSTAVO 3,148,460
GOODARZNIA, SHAHIN 3,148,833
GOODRICH, DAVID P. 3,144,170
GOODRICH, LOGAN 3,148,446
GOONERATNE, CHINTHAKA PASAN 3,148,770
GOONERATNE, CHINTHAKA PASAN 3,149,091
GORFINKEL, ROEE 3,148,808
GORSKI, MARK 3,144,397
GOSLING, JENNIFA 3,148,769
GOTCHEV, DIMITAR B. 3,149,302
GOTO, NORIYUKI 3,148,856
GOTTELAND, JEAN-PIERRE 3,148,939
GRAPHIC PACKAGING INTERNATIONAL, LLC 3,148,615
GRAUWINKEL, MARIUS 3,145,104
GRAVOUILLA, ROCKLYN P. 3,144,579
GRAY, DARREN ADDISON 3,148,991
GRAY, NATHANAEL S. 3,149,374
GREAT PLAINS MANUFACTURING, INC. 3,148,815
GRECI, STEPHEN MICHAEL 3,144,922
GRECI, STEPHEN MICHAEL 3,145,118
GREEN MANUFACTURING, INC. 3,148,515
GREEN, ERAN 3,148,808
GREENBANK, MICHAEL 3,148,461
GREENTECH GLOBAL PTE. LTD. 3,144,872
GREENTECH GLOBAL PTE. LTD. 3,144,886
GREGG, DAWN M. 3,144,161
GREGG, ROBERT H. 3,144,161
GREGOIRE, DAVID 3,148,470
GRENOBLE INP 3,148,783
GRIFFAY, GERARD 3,149,352
GRIFFIS, JOSHUA 3,144,469
GRIFFITH UNIVERSITY 3,148,756
GRIGORYAN, BAGRAT 3,148,465
GRIP HOLDINGS LLC 3,145,110
GRODEM, TORE 3,149,088
GROLZ, DANIEL 3,148,731
GRONVALL, LARS 3,148,772
GROSS, GERHARD 3,144,844
GROSS, JAN 3,144,723
GROSSKOPF, TOBIAS 3,145,252
GRUBER, ALEXANDER 3,148,652
GRUENDLINGER, LEOR 3,149,002
GU, GEORGE 3,144,469
GUAY, SOPHIE 3,148,761
GUENA, OLIVIER 3,144,496
GUERARD, FABIENNE 3,148,659
GUERIN, ALEXANDRE 3,149,118
GUERIN, ARNAUD 3,149,118
GUGEL, GEROLD 3,145,116
GUILLAMAUD, CHRISTELLE MARIE ALINE 3,148,800
GUILLAMAUD, CHRISTELLE MARIE ALINE 3,149,313
GUILLEMIN, HAROLD HENRI JEAN-ETIENNE 3,149,316
GUILLON, PATRICE 3,148,756
GUILLOU, LIONEL 3,148,774
GUITERAS MOMBIOLA, LLUIS 3,149,436
GULERY, PIERRE-YVES 3,148,783
GULFSTREAM AEROSPACE CORPORATION 3,145,026
GUNDLACH, KURT 3,148,940
GUNTHER, KALLE 3,148,731
GUO, HAIBING 3,149,403
GUO, HUANHUAN 3,149,406
GUO, LIANG 3,149,358
GUO, SHUCHUN 3,149,403
GUO, YUSHEN 3,149,340
GUO, ZHINAN 3,149,398
GUROVICH, NIKOLAY 3,148,861
GUTURU, HARENDRA 3,149,354
GUY, GEOFFREY 3,145,369
GW RESEARCH LIMITED 3,145,369
H. LUNDBECK A/S 3,148,719
HAAK, ANDREW J. 3,148,598
HAAS, THOMAS 3,145,276
HABETS, EMANUEL 3,136,870
HABETS, EMANUEL 3,149,099
HABETS, EMANUEL 3,149,297
HABIB, ROBERT 3,148,827
HAGGERTY, DAVID A. 3,149,399
HAGGMARK, CARL PETRUS 3,144,854
HAIRE, CAROLINE ROSE 3,148,981
HALDOR TOPSOE A/S 3,148,729
HALDOR TOPSOE A/S 3,148,730
HALL, MAX 3,144,148
HALL, MAX 3,144,153
HALLIBURTON ENERGY SERVICES, INC. 3,144,922
HALLIBURTON ENERGY SERVICES, INC. 3,145,117
HALLIBURTON ENERGY SERVICES, INC. 3,145,118
HALLIBURTON ENERGY SERVICES, INC. 3,148,522

Index des demandes PCT entrant en phase nationale

HALLIBURTON ENERGY SERVICES, INC. 3,149,416
HALLOCK, ALEXANDER 3,148,918
HAMBY, MARY 3,148,454
HAMM, SHARON 3,148,812
HAMMEL, DEVON BEAU 3,148,795
HAMMEL, SEBASTIAN 3,148,724
HAMMERMEISTER, CHRISTIAN 3,148,935
HAMRAH, PEDRAM 3,148,831
HAMRAH, PEDRAM 3,148,846
HAN, JOO SEOK 3,149,368
HANEY, PATRICK MICHAEL 3,148,991
HANLEY, JAMES PATRICK 3,149,306
HANSEN, KLAUS HAMMERSHOLT 3,148,972
HANSON, SAMUEL 3,144,194
HANZ, ANDREW 3,148,757
HARDING, STEPHEN 3,148,585
HARGRAVE, JONATHAN DAVID 3,145,120
HARLOW, LENE S. 3,149,333
HARMAN, BEN 3,149,198
HARMON, JOSHUA DAVID 3,145,282
HARNESK, ANDREAS 3,144,475
HARPER, MATTHEW 3,148,813
HARROLD, ETHAN LUKE 3,148,868
HART, COLIN 3,144,182
HART, MARCIA PIERSON 3,144,732
HASEGAWA, TOSHIO 3,148,732
HASHIM, MIR 3,144,725
HAUPTMEIER, BERNHARD 3,144,193
HAVARD, JONATHAN 3,148,788
HAVARD, JONATHAN 3,149,328
HAWKES, ELLIOT W. 3,149,399
HAYES, HOWARD 3,148,762
HAZAN, SABINE 3,149,221
HAZRA, MANOJIT 3,149,398
HE, AQI 3,148,849
HE, FANG 3,147,134
HE, LINLING 3,148,840
HE, QIONG 3,149,335
HE, RUIKUN 3,147,134
HE, ZHIXIANG 3,149,374
HEALD, ROBERT 3,149,119
HEALTH RESEARCH, INC. 3,148,767
HEARTLEIN, MICHAEL 3,148,819
HEATHERINGTON, STUART 3,148,958
HECK, GILBERT 3,145,297
HEID, STEFAN 3,144,165
HEIJNEN, OSCAR 3,148,948
HEILIG, LARISSA 3,148,756
HEINONEN, KATJA 3,149,299
HEINRICH-HEINE-UNIVERSITAT DUSSELDORF 3,148,934
HEITZ, MARC 3,149,431
HELLAL, MALIK 3,148,788
HELLAL, MALIK 3,149,328
HELLEBAUT, VIRGINIE 3,148,924
HELLER, BRADLEY AUSTIN 3,148,646
HELPERBY THERAPEUTICS LIMITED 3,144,541
HEM PHARMA INC. 3,148,749
HENDEL, SHACHAR 3,149,002
HENDERSON, DANIEL R. 3,149,390
HENDERSON, DYLAN 3,145,407
HENEGHAN, PAUL 3,148,739
HENNESSY, BRIAN 3,145,269
HENNIG, MARK KEVIN 3,148,996
HENRIKSEN, LONE 3,148,643
HEPAREGENIX GMBH 3,148,780
HEPPEL, PETER 3,148,619
HERNANDEZ, ALONSO M. 3,148,596
HERNANDEZ, JENNIFER 3,145,114
HETT, CHRISTOPHER 3,149,306
HEXION INC. 3,148,482
HEYMANS, DENIS 3,148,482
HEYNINCK-JANTZ, CHRISTINE MARIE 3,148,861
HGCI, INC. 3,132,654
HICKSON, NICHOLAS 3,149,407
HIDALGO, RONALD 3,148,595
HIERONIMUS, JEAN-MICHEL 3,144,496
HIFI BLACK LIMITED 3,148,584
HIM TONG, MING 3,149,175
HINDERLITER, BRANDON N. 3,148,987
HIPSKIND, JOHN DANIEL 3,144,675
HIPSKIND, JOHN DANIEL 3,144,720
HIRAGUCHI, TOMONARI 3,145,079
HIRAGUCHI, TOMONARI 3,145,080
HITACHI ENERGY SWITZERLAND AG 3,148,727
HITACHI ENERGY SWITZERLAND AG 3,148,790
HITACHI RAIL STS S.P.A. 3,148,590
HO, PHUONG NGOC 3,145,516
HODIN, RICHARD A. 3,148,988
HOEGER, MICHAEL 3,149,319
HOEKMAN, THOMAS 3,133,396
HOEKMAN, THOMAS 3,148,748
HOFMANN, MARTIN 3,148,936
HOFMANN, MARTIN 3,148,937
HOGAN, MICHAEL EDWARD 3,144,918
HOLDEN, BEN 3,149,117
HOLLIS, CHAD 3,148,763
HOLLY, BRIAN 3,148,515
HONG, JIAN 3,148,719
HONING, DIRK 3,148,935
HOOD, DAVID K. 3,144,682
HOOKER, JACOB MATTHEW 3,149,096
HOOPES, ROBERT 3,148,983
HORAN, KEVIN 3,149,090
HORAN, LUCAS 3,148,646
HORCAJADAS, JOSE A. 3,144,694
HORIUCHI, AYAKO 3,148,743
HORNE, BRUCE O. 3,144,591
HOROWITZ, JULIE 3,148,611
HORSTKOETTER, ULRICH 3,145,058
HORVATH, JAN 3,148,869
HOSPITAL CLINIC 3,148,930
HOU, XIAOLIN 3,148,851
HOWARD, JOHN F. 3,148,519
HOWARD, STEVEN 3,148,312
HOWE, GREGORY 3,145,026
HOWELL, ALAN 3,145,070
HU, JINBO 3,148,805
HU, JING 3,149,010
HU, YANMIN 3,144,541
HU, YIDAN 3,126,403
HUAHUI HEALTH LTD. 3,145,057
HUANG, EDMUND 3,148,600
HUANG, ERIC YI-CHUN 3,149,386
HUANG, FUDE 3,149,104
HUAWEI TECHNOLOGIES CO., LTD. 3,145,380
HUBBELL INCORPORATED 3,149,321
HUBBELL, JEFFREY 3,148,621
HUBER, GREGOR 3,149,094
HUDSON, ALEX 3,145,287
HUFFSTETLER, JESSE 3,145,257
HUGHES NETWORK SYSTEMS, LLC 3,148,759
HULTMAN, BENJAMIN THOMAS 3,148,500
HULTMAN, BENJAMIN THOMAS 3,148,607
HUMAN MODE, LLC 3,148,784
HUNTER, ANDREW DAVIS 3,148,972
HUNTER, JOHN 3,149,093
HUNTER, MARCUS J. 3,148,789
HUNTSMAN INTERNATIONAL LLC 3,148,778
HUNTSMAN INTERNATIONAL LLC 3,148,779
HUTCHINSON, ETHAN 3,148,868
HUTMACHER, PATRICK 3,149,343
HUTT, MEIKE 3,148,936
HUTT, MEIKE 3,148,937
HYDROMECANIQUE ET FROTTEMENT 3,144,471
I.R.C.A. S.P.A. INDUSTRIA RESISTENZE CORAZZATE E AFFINI 3,149,100
IBRAHIM, PRABHA 3,148,822
ICM AUSTRALIA PTY LTD 3,148,979
IDEA MACHINE DEVELOPMENT DESIGN AND PRODUCTION LTD. 3,149,351
IDP DISCOVERY PHARMA, S.L. 3,148,785
IFP ENERGIES NOUVELLES 3,145,266
IGM BIOSCIENCES, INC. 3,149,350
IHNE, HEINZ 3,148,656
IHNKEN, LEIGH ANNE 3,149,430
ILINCIC, RAJKO 3,144,455
ILINCIC, RAJKO 3,144,492
ILLINOIS TOOL WORKS INC. 3,149,312
ILLINOIS TOOL WORKS INC. 3,149,319
IMMATICS BIOTECHNOLOGIES GMBH 3,148,936
IMMATICS BIOTECHNOLOGIES GMBH 3,148,937
IMMUNITYBIO, INC. 3,148,608
IMMUNOME, INC. 3,149,198
IMRAN, MIR 3,144,725
IMURA, RYOTA 3,148,952
INAGAKI, TAKUYA 3,148,742
INCUBE LABS, LLC 3,144,725
INCYTE CORPORATION 3,148,776

INGE, CLAES 3,144,854
INGRAM, PETER 3,145,120
INNOMAQ 21, S.L. 3,145,075
INNOPEUTICS CORPORATION 3,144,874
INNOVATIVE LOGISTICS, INC. 3,145,407
INOVANCE, INC. 3,148,458
INSTITUT D'INVESTIGACIONS BIOMEDIQUES AUGUST PI I SUNYER (IDIBAPS) 3,148,930
INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT 3,148,659
INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER - IFREMER 3,148,659
INSTITUT GUSTAVE ROUSSY 3,144,509
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE 3,149,332
INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT 3,148,659
INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT 3,149,332
INSTITUT POLYTECHNIQUE DE BORDEAUX 3,148,659
INSTITUT POLYTECHNIQUE DE GRENOBLE 3,144,663
INSTITUTE FOR CANCER RESEARCH D/B/A/ THE RESEARCH INSTITUTE OF FOX CHASE CANCER CENTER 3,148,504
INTERDIGITAL VC HOLDINGS FRANCE, SAS 3,149,102
INTERNA TECHNOLOGIES B.V. 3,148,713
INTO TECHNOLOGIES INC. 3,145,260
INUI, MINAKO 3,144,487
INVINITY ENERGY SYSTEMS (CANADA) CORPORATION 3,148,813
IRBM S.P.A. 3,148,723
ISAKA, TAKUYA 3,149,148
ISAKA, TAKUYA 3,149,149
ISAKA, TAKUYA 3,149,385
ISAKULYAN, LEVON 3,149,152
ISCAR LTD. 3,144,919
ISHAM, STEPHEN 3,149,143
ISHAY, ERAN 3,148,808
ISHIBASHI, NAOYA 3,148,961
ISHIHARA, JUN 3,148,621
ISHIZUKA, TAKUYA 3,149,148
ISHIZUKA, TAKUYA 3,149,149
ISHIZUKA, TAKUYA 3,149,385
ISP INVESTMENTS LLC 3,144,682
IVANOV, DMITRIJ STANISLAVICH 3,144,195
IVANOV, VADIM 3,145,041
IVANOVA, ANNA 3,149,186
IVARSSON, NEMO 3,149,420
IWAMOTO, MASAYUKI 3,149,146
IXAKA FRANCE 3,148,792
IXAKA FRANCE 3,148,799
IYO INC. 3,148,860
JAASKELAINEN, MIKKO 3,149,416
JABLONSKI, LAURENT 3,144,516
JACOBY, KYLE 3,144,468
JAGER, CHRISTOPH 3,149,426
JAKUBOWSKI, WOJCIECH 3,144,591
JAMALI, ARSIA 3,148,846
JAMES, ARTHUR 3,144,723
JAMIESON, ROBERT 3,149,318
JAMINION, FELIX GREGOIRE JASON 3,144,921
JAMINION, FELIX GREGOIRE JASON 3,144,923
JANG, HYEONG MOON 3,148,751
JANG, MING-KUEI 3,148,740
JANG, SEO YUL 3,132,600
JANICOT, MICHEL 3,148,713
JANSON, RAY 3,144,159
JANSSEN BIOTECH, INC. 3,148,735
JANSSEN BIOTECH, INC. 3,148,826
JANSSEN PHARMACEUTICALS, INC. 3,149,132
JARAMILLO, TODD B. 3,144,905
JAROS, SLAWOMIR 3,149,427
JCM AMERICAN CORPORATION 3,149,363
JEAN-BAPTISTE-DIT-DOMINIQUE, FRANCOIS 3,144,667
JEAN-BAPTISTE-DIT-DOMINIQUE, FRANCOIS 3,144,683
JEANNEAU, CHARLOTTE 3,149,325
JENSEN, ANNE E. 3,148,774
JENSEN, ASHLEY 3,145,393
JENSEN, ASHLEY 3,148,966
JENSEN, METTE H. 3,149,333
JEPPSON, SETH 3,145,209
JEWELL, LARRY STEPHEN 3,148,629
JEZEK, JAN 3,144,885
JFE ENGINEERING CORPORATION 3,148,952
JFE STEEL CORPORATION 3,145,079
JFE STEEL CORPORATION 3,145,080
JFE STEEL CORPORATION 3,145,280
JI, JASON 3,144,182
JI, YO SEP 3,148,749
JIANG, CHANG 3,145,028
JIANG, CHANG 3,145,039
JIANG, CHUANGXIN 3,144,172
JIANG, JIE 3,149,374
JIANG, XIN 3,144,603
JIANGSU SIMCERE PHARMACEUTICAL CO., LTD. 3,148,881
JIANGSU YAHONG MEDITECH CO., LTD. 3,149,340
JIANGXI JEMINCARE GROUP CO., LTD. 3,149,403
JIAO, CHANGPING 3,149,104
JIMENEZ, CATHERINE 3,148,720
JIN, XIAO 3,148,794
JING, YUE 3,145,107
JOFFRE, CORINNE 3,148,659
JOHANNES, ASHLEY MARIE 3,144,181
JOHNSON, DAVID A. 3,144,705
JOHNSON, DAVID WILLIAM 3,148,732
JOHNSON, ERNEST LAWRENCE, III 3,149,417
JOHNSON, JACOB 3,148,919
JOHNSON, STEVEN 3,149,321
JOMA KUNSTSTOFFTECHNIK GMBH 3,149,257
JONES, GAVIN CARL 3,144,731
JONES, GAVIN CARL 3,144,734
JONES, PHILIP 3,148,454
JOO, HYUN YOO 3,144,881
JOO, KYUNG HO 3,145,038
JORDAN, GREGOR 3,144,921
JORDAN, GREGOR 3,144,923
JORDAN, STANLEY 3,148,600
JOYCE, JAMES A. 3,148,773
JT INTERNATIONAL SA 3,148,725
JUAN OTERO, MANEL 3,148,930
JUHASZ, JASON R. 3,148,796
JULIEN, JEAN-PHILIPPE 3,149,320
JULIUS, MATTHEW 3,148,477
JUNG, CHUNWON 3,145,115
JUNG, DOO-YOUNG 3,148,866
JUNGBAUER, ALOIS 3,149,433
K&N ENGINEERING, INC. 3,145,297
KABRAMS, ERIC 3,143,255
KABUSHIKI KAISHA TOSHIBA 3,148,862
KAHMANN, PETER 3,148,656
KAISER, THOMAS A. 3,149,001
KALAN, ROGHAIYEH EBRAHIMI 3,148,940
KALIA, AKSHAY 3,148,460
KALOUCHE, SIMON 3,149,178
KAMBLE, SUMEDH 3,145,403
KAMINSKI, MATEUSZ 3,149,426
KAMMERER, BERNHARD 3,148,473
KAMMERER, PATRICK 3,149,423
KANDULA, MAHESH 3,149,128
KANEKO, MASAYA 3,149,377
KANG, YANGSEN 3,144,911
KANSAI PAINT CO., LTD. 3,148,742
KAPPA-PHARMA LLC 3,149,152
KARAFIN, JONATHAN SEAN 3,148,816
KARPIAK, JOEL 3,149,430
KARVE, SHRIRANG 3,148,819
KASTRUN, MARIO 3,149,342
KATCHMAN, BENJAMIN ALAN 3,144,918
KATO, YUMA 3,148,862
KATSUMOTO, YUKIHISA 3,149,161
KAWAGUCHI, KOJI 3,148,741
KAWAI, YUYA 3,145,079
KAWAI, YUYA 3,145,080
KAWASE, YUKI 3,149,391

KAWASHIMA, ATSUNARI 3,148,876
KEARNS, DANIEL 3,148,975
KEENAN, ALEXANDER 3,145,269
KEISTER, MICHAEL 3,149,106
KEISTER, RICHARD A. 3,149,106
KELLER, ITAMAR 3,149,002
KELLY, RON C. 3,148,965
KEMIRA OYJ 3,144,194
KEMMLER, STEFAN JOCHEN 3,149,430
KENNEDY, MICHAEL T. 3,148,965
KENNEDY, THEODORE D. 3,144,187
KENNETT, JOHN 3,148,584
KENNY, STACEY COLLEEN 3,149,310
KERANOVA 3,144,653
KERBER, WILLIAM XAVIER III 3,148,784
KERKHOFFS, WOLFGANG 3,145,104
KEROVUO, JANNE 3,149,180
KERRY LUXEMBOURG S.A.R.L. 3,144,164
KETTUNEN, TIMO 3,149,347
KEYT, BRUCE 3,149,350
KHALAJ, BAHAREH 3,148,582
KHALIFAH, RAJA G. 3,149,383
KHAN, SAJID ALI 3,144,500
KHANI, MOHAMMADREZA 3,148,605
KHARE, VIVEK 3,144,397
KHAREY, AMELIE NINA 3,148,500
KHAREY, AMELIE NINA 3,148,607
KIEHNE, MARK 3,148,580
KIELCZEWSKA, AGNIESZKA 3,148,591
KIM, HUN 3,148,824
KIM, JAESEUNG 3,145,115
KIM, JEE YONG 3,149,368
KIM, JONG-MOOK 3,149,368
KIM, KWANG SOO 3,145,038
KIM, PHILIP 3,148,823
KIM, SANGKYU 3,148,781
KIM, SUNGHYUN 3,148,824
KIM, TAE GYUN 3,144,874
KIM, YUN CHEOL 3,148,807
KIMBALL, KALEB AARON 3,144,905
KINETIC PRESSURE CONTROL, LTD. 3,148,810
KINETIC PRESSURE CONTROL, LTD. 3,148,836
KINGHORN, ANTHONY 3,149,109
KIRBAS, OGUZ KAAN 3,148,933
KISHIMOTO, TAKEAKI 3,149,148
KISHIMOTO, TAKEAKI 3,149,149
KISHIMOTO, TAKEAKI 3,149,385
KISHINO, MITSUHIRO 3,149,377
KITAGAWA, JUNICHI 3,145,079
KITAMOTO, NAOMI 3,148,955
KITAURA, TOMOHIRO 3,149,146
KLAPTOCZ, VOYTEK ROMAN 3,148,872
KLASSEN, ANDREW 3,148,813
KLEIN, ROBERT 3,148,729
KLEIN, ROBERT 3,148,730
KLEM, HEATHER 3,148,908
KLEMBARA, LUKAS 3,148,473
KLINT, DRAZEN 3,149,424
KLOETTER, SANDRA 3,145,058
KLOKOWSKI, PATRICK 3,148,935
KLOOSTER, RINSE 3,149,309
KLUKAS, CHRISTIAN 3,148,726
KM BIOLOGICS CO., LTD. 3,144,487
KMZ HOLDINGS LLC 3,148,525
KNIGHT, JOHN 3,145,017
KNOTH, DOMINIK 3,144,844
KOBAYASHI, YOSHIKAZU 3,149,148
KOBAYASHI, YOSHIKAZU 3,149,385
KOCH, UDO 3,148,908
KOENIGS, DAVID 3,145,059
KOHLER, DENNIS 3,149,423
KOITHAN, THOMAS H. 3,149,388
KOJIMA, KATSUMI 3,145,080
KONG, HOON YOUNG 3,149,368
KONIG MASCHINEN GESELLSCHAFT M.B.H. 3,148,624
KONIG, MARIANNE 3,149,367
KONIGSHOFER, SANDRA 3,144,165
KONTINEN, JOONA 3,149,299
KOPPESER, MICHAEL 3,148,781
KORCZ, KRZYSZTOF 3,149,321
KOREA INSTITUTE OF RADIOLOGICAL & MEDICAL SCIENCES 3,144,881
KOREPANOV, SERGEY 3,148,849
KORSHIKOV, VASILY 3,149,186
KORT, JOEL ABRAHAM 3,148,830
KOSELEK, MICHAEL 3,148,833
KOTRA, ANAND MEHER 3,145,380
KOVALEV, IGOR 3,149,186
KOWARIK, MICHAEL THOMAS 3,149,430
KRAEMER, GERD 3,148,726
KRAFTANLAGEN MUNCHEN GMBH 3,149,122
KRAMER, ROBERT ARJEN 3,149,365
KRANE, STEVE A. 3,148,837
KRAUS, PAUL R. 3,148,795
KROES, ROGER A. 3,148,922
KROPF, JEFFREY E. 3,148,613
KROSS, CHRISTINA 3,149,433
KRUGER, MARC 3,148,715
KRULEVITCH, PETER 3,149,132
KSB SE & CO. KGAA 3,149,426
KUBAJAK, DAVE 3,149,363
KUBO, YOSHITAKA 3,148,742
KUBOTA, YUJI 3,149,149
KUCH, FABIAN 3,149,297
KUECH, FABIAN 3,149,099
KUHMUTE INC. 3,148,452
KUKUCKA, PAUL 3,145,110
KUKUCKA, THOMAS STEFAN 3,145,110
KULOVITS, ANDREAS 3,148,817
KUMAR, SURENDER 3,148,762
KUNDETKAR, NANDAN 3,148,525
KUNG, ANDREW 3,148,450
KUNKELMANN, CHRISTIAN 3,145,058
KUNTZ, ACHIM 3,149,297
KUSHNIR, ALEX 3,144,190
KWIATKOWSKI, NICHOLAS 3,149,374
KWOK, SUI-YI 3,144,719
KWON, HEECHUNG 3,144,881
KYAW, MOE 3,148,824
L&R USA INC. 3,148,511
L2U GROUP PTY LTD 3,148,972
LA CLAIR, JAMES J. 3,148,992
LA PORTE, SHERRY 3,148,735
LA, STEVEDAT K. 3,148,965
LABARTKAVA, GVARAMI 3,148,738
LABEIT, SIEGFRIED 3,144,700
LABESQUE, REMY D. 3,144,911
LADD, ROBERT 3,148,833
LAHAV, SHLOMO 3,149,002
LAKATOS, GREGORY 3,144,734
LALANNE-AULET, DAVID 3,145,266
LAMEIRAS, FERNANDO SOARES 3,144,908
LAMLE, STEWART 3,148,750
LAMMER, THOMAS 3,144,165
LAMONT, JOHN 3,148,718
LANCTOT, JEAN-FRANCOIS 3,149,323
LANDIS+GYR INNOVATIONS, INC. 3,148,456
LANDIS+GYR INNOVATIONS, INC. 3,149,306
LANG, CHRISTIAN A. 3,148,602
LANGBERG, ERIC 3,144,681
LANTICQ, VINCENT 3,148,746
LAPOINTE, JACQUES 3,148,876
LARIMAR THERAPEUTICS, INC. 3,149,194
LARSEN, KASPER EMIL 3,148,729
LARSEN, KASPER EMIL 3,148,730
LARSEN, KRESTIAN 3,148,719
LARSSON, PER-GUSTAF 3,148,771
LASH, THOMAS E. 3,144,894
LASK, ASSAF 3,149,379
LATELEC 3,141,369
LAU, CINDY YEE CIN 3,148,803
LAUFER, STEFAN 3,148,780
LAURENCY, SYLVIE 3,144,733
LAUS, MICHELE 3,145,281
LAVIGNE, JAMES 3,144,423
LAW, MANSUN 3,148,840
LAW, ROBERT 3,145,076
LAWRENZ, MORGAN 3,148,769
LAZAR ENTERTAINMENT INC. 3,144,466
LAZAR, DAVE 3,144,466
LAZETIC, ALEXANDRA LEIDA LIANA 3,144,724
LE DEVEHAT, YANNICK 3,149,323
LE GRAND, FABIENNE 3,148,659
LE LEANNEC, FABRICE 3,149,102
LE MERCIER, THIERRY 3,145,224
LEAL, ROBERTO 3,149,436
LEANDER, MARCUS 3,149,424
LEBLANC, MARK 3,145,209
LEDERLIN, THOMAS JEAN OLIVIER 3,144,907
LEDERMANN, LOIC 3,143,974
LEDUC, GERALDINE 3,148,734
LEE, CHUNG HYUN 3,148,868
LEE, DOKYUNG 3,132,600
LEE, JEONG-MIN 3,148,824
LEE, JIN-SOO 3,148,866
LEE, JOHN 3,148,735
LEE, KYUNGWON 3,149,368

LEE, PETER 3,144,164
LEE, SAEYEON 3,145,115
LEE, YOONMI 3,132,600
LEEN, ANN MARIE 3,149,145
LEFEBVRE, BERNARD 3,149,323
LEFKOFSKY, HAILEY B. 3,149,381
LEI, YUN 3,126,399
LEI, YUN 3,126,403
LEI, YUN 3,133,530
LEIA INC. 3,133,396
LEIA INC. 3,148,748
LEIA INC. 3,148,752
LEMMER, OLGA 3,145,058
LENORMAND, JEAN-LUC 3,144,663
LEON, BRIAN 3,148,992
LEON, FRANCISCO 3,149,209
LEONARDO S.P.A. 3,149,378
LEONARDO S.R.L. 3,148,736
LEONARDO UK LTD 3,149,109
LEPOUDERE, ANNE 3,148,659
LESOUHAITIER, OLIVIER 3,144,733
LESTER, TIM 3,144,441
LESURF, ROBERT 3,148,876
LEVELL, JULIAN R. 3,149,095
LEVET, VINCENT EDWIN PAUL 3,148,924
LEVIN, ZACHARY 3,148,469
LEVINE, FRED 3,148,593
LEVINE, MAX FINE 3,148,450
LEVY, JEAN-CHRISTOPHE 3,149,118
LEVY, RAPHAEL 3,148,808
LEWIS, STEVE A. 3,149,006
LEWIS, TIMOTHY DAVID 3,149,116
LEX DIAGNOSTICS LTD 3,148,775
LEX DIAGNOSTICS LTD 3,148,777
LEXICON PHARMACEUTICALS, INC. 3,149,131
LEXICON PHARMACEUTICALS, INC. 3,149,133
LG ELECTRONICS INC. 3,148,751
LI, BODONG 3,148,770
LI, BODONG 3,149,091
LI, DEBIAO 3,148,617
LI, HONGJUN 3,149,406
LI, MIN 3,135,123
LI, SHAN 3,148,646
LI, WENHUI 3,145,057
LI, XINXIN 3,148,881
LI, YI 3,149,010
LI, YUNQING 3,148,631
LI, ZHEN 3,149,406
LIBERATI, CHIARA 3,148,454
LIEBESCHUETZ, JOHN WALTER 3,148,312
LIEBHERR-AEROSPACE TOULOUSE SAS 3,144,727
LIFELABS DESIGN, INC. 3,148,803
LIFESCAN IP HOLDINGS, LLC 3,148,529
LIFEWORK ADAPTER LLC 3,148,609
LIFTWERX HOLDINGS INC. 3,148,984
LIGERET, VINCENT 3,143,954
LIGHT FIELD LAB, INC. 3,148,816
LIGHTFOOT, YAIMA LUZARDO 3,148,454
LIMINAL SCIENCES, INC. 3,143,255
LIMPERT, ANDREW 3,145,209
LIN, HUGH 3,145,239
LINARES DE LA PUERTA, MIGUEL 3,148,726
LIND, JEFFREY 3,148,873
LINGG, NICO 3,149,433
LINTNER, KARL 3,145,265
LINTON, NEIL 3,149,101
LIOTTA, ANDREW 3,148,500
LIOTTA, ANDREW HAYNES 3,148,607
LITVAK, ANDREW 3,144,166
LIU , ZHIJIE 3,135,123
LIU, CHUNDI 3,148,760
LIU, GUOBIAO 3,144,420
LIU, HAIBO 3,135,123
LIU, HONG 3,148,646
LIU, JIANGHUA 3,149,340
LIU, JINBIAO 3,144,542
LIU, JOHN 3,144,911
LIU, LIQIN 3,148,505
LIU, MINGYAO 3,149,326
LIU, QINGLI 3,144,675
LIU, QINGLI 3,144,720
LIU, YANG 3,149,403
LIU, YUANYE 3,144,420
LIU, ZUIFANG 3,148,529
LIVEPERSON, INC. 3,148,599
LIVEPERSON, INC. 3,149,002
LLUEL, PHILIPPE 3,149,332
LO-DOUGH LIMITED 3,149,117
LOBOYKO, VADIM 3,148,656
LOCKHEED MARTIN CORPORATION 3,145,408
LONDESBROUGH, DEREK 3,145,287
LONGAKER, MICHAEL T. 3,144,185
LOPES DE SOUSA, MARISA ISABEL 3,149,158
LOPES DE SOUSA, MARISA ISABEL 3,149,175
LORD, CHRISTOPHER JAMES 3,149,112
LOS, TIMOTHY 3,148,919
LOSCHER, FRANK 3,144,193
LOUIS, MELISSANDE 3,144,733
LOW, ROBERT 3,148,733
LOWELL, ALAN BLAIR 3,148,456
LOWNEY, JOSEPH D. 3,148,752
LRBG CHEMICALS INC. 3,148,802
LU, FAWEI 3,135,123
LU, HUNG JUNG 3,149,407
LU, JUN 3,149,093
LU, SHIQIANG 3,148,881
LU, WILLIAM 3,144,468
LU, YINGSHUANG 3,144,164
LU, YUEFENG 3,148,505
LUGO, EDUARDO 3,148,721
LUIS VALERO, MARIA 3,149,099
LUKACH, YARIV 3,149,002
LUND, BENJAMIN R. 3,145,257
LUNDGREN, KAREN 3,149,198
LUO, JINQUAN 3,148,735
LUPICA RINATO, CLAUDIO 3,149,307
LUPPI, GIANLUIGI 3,144,717
LUTKENHAUS, DAVIDSON 3,145,085
LUTZ, JOHANNES 3,144,902
LUX, FRANCOIS 3,148,734
LYFORD, JAMIE 3,148,755
LYNRED 3,145,264
MA, MING 3,148,752
MABANDE, EDWIN 3,149,099
MACK, WOLFGANG 3,136,870
MACKNESS, BRIAN 3,148,764
MACKOOL, RICHARD 3,148,968
MACO ABREU, ANA ROSA 3,149,158
MACO ABREU, ANA ROSA 3,149,175
MADSEN, PETER J. 3,149,333
MADSEN, TORSTEN M. 3,148,922
MAEKAWA, AKIRA 3,148,862
MAGNAN, JEAN-FRANCOIS 3,144,537
MAGNANI, JOHN L. 3,145,263
MAGUIRE, MICHAEL 3,148,920
MAHMOOD, SAMAN 3,149,206
MAHNE, DIRK 3,149,297
MAIJ, EELKO 3,148,984
MAINIL, ROLAND 3,148,924
MAITRA, RANGAN 3,145,074
MAKI, SHOTARO 3,148,743
MAKMEL, NIR 3,148,808
MALAN, LEONE 3,149,370
MALAN, NICOLAAS, THEODOR 3,149,370
MALINAK, STEPHEN MATTHEW 3,148,823
MALJUSCH, ARTJOM 3,144,717
MANASH, BOAZ 3,148,861
MANAVALAN, LAKSHMI PRABA 3,149,206
MANDABI, AVIAD 3,149,137
MANGADLAO, JOEY D. 3,144,591
MANKAR, ANIL S. 3,144,898
MANSUROV, ASLAN 3,148,621
MARKOVSKY, NICHOLAS ANTHONY 3,148,974
MARREC, PHILIPPE 3,148,786
MARROTT, NIA 3,148,585
MARS, INCORPORATED 3,145,245
MARTIN ANTONIO, BEATRIZ 3,148,930
MARTIN, BRYN ANDREW 3,148,605
MARTIN, CALVIN 3,149,092
MARTIN, DAVID JAMES 3,149,009
MARTIN, GUILLAUME 3,145,268
MARTIN, NELLIE 3,148,908
MARTIN, SCOTT 3,149,132
MARTINELLI, DARIO 3,149,307
MARTINEZ, JUAN SANTIAGO MEDINA 3,148,450
MARTINS, PAULO JORGE MAGALHAES 3,144,146
MARUZEN PETROCHEMICAL CO., LTD. 3,148,747
MARX, CONNY 3,148,793
MARYNISSEN, LOGAN 3,148,765
MARYNISSEN, LOGAN 3,148,766
MARYNISSEN, LOGAN 3,148,994
MASCHARAK, SHAMIK 3,144,185

MASSERINI, MASSIMO ERNESTO 3,148,787
MASTERS STRINGERS 3,149,136
MASTRONARDI, TONY 3,149,139
MASUKAWA, TOMOHIRO 3,148,747
MASUOKA, HIROYUKI 3,145,280
MATHOT, FREDERIC STEPHANE 3,148,924
MATSUTANI, HIROAKI 3,149,387
MATSUZAKI, AKIRA 3,145,280
MATTHEWS, TRISTAN 3,144,466
MATTON, YVES 3,143,974
MATZEG, ADRIENNA 3,149,400
MAUGHAN, KEVIN BRADON 3,144,475
MAUL, CHRISTOPHER 3,145,259
MAURER, DOMINIK 3,148,936
MAURER, DOMINIK 3,148,937
MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V. 3,148,934
MAYEUX, GERALDINE 3,144,663
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,148,598
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,148,604
MAZZINI, MARCO 3,149,307
MAZZOLA, NICOLAS CARDOSO 3,145,085
MCCABE, AARON R. 3,148,605
MCCALLUM, PATRICK 3,145,017
MCCARRON, HOLLIE 3,149,119
MCCOLL, DAVID 3,148,529
MCCONNELL, IVAN 3,148,718
MCDEVITT, THERESA 3,148,735
MCDONNELL, TYLER S. 3,148,847
MCDOUGALD, DEVIN 3,145,112
MCFATRICH, CHARLES MICHAEL 3,149,180
MCGHEE, JAMES ANDREW 3,148,954
MCKAY, IAN SALMON 3,148,607
MCKEE, DAVID WESLEY 3,148,791
MCLUSKY, JAMES 3,149,132
MCNALLY, MARK 3,148,908
MCWHIRTER, JAMES LIAM 3,144,734
MEAKIN, ROBERT JOHN 3,149,116
MEDINA, JUAN CARLOS 3,145,068
MEGGITT, RYDER MAGNUS IAIN 3,149,098
MEGURO, MIKI 3,149,148
MEGURO, MIKI 3,149,149
MEGURO, MIKI 3,149,385
MEHTA, NIKUNJ R. 3,148,975
MEILLEURAT, SIMON ARTHUR 3,144,907
MEINDL, EDWIN 3,144,189
MEJURI INC. 3,149,400
MELBY, JOEL 3,149,430
MELLING, ROBERT 3,145,285
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES AND THE ROCKEFELLER UNIVERSITY 3,149,395
MEMORIAL SLOAN KETTERING CANCER CENTER 3,148,450
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,149,395
MENCHON, MARIA 3,144,682
MENDEZ-GOMEZ, HECTOR RUBEN 3,144,388
MENDOZA, JUAN 3,148,621
MENEGHETTI, STEFANO 3,149,372
MENNEGLIER, JEAN-MATHIEU 3,149,136
MERCER, TED 3,148,460
MERUS N.V. 3,149,365
MESS, JEAN-NICHOLAS 3,149,194
METAWAVE CORPORATION 3,148,793
METSO OUTOTEC USA INC. 3,148,772
METTERS, ANDREW T. 3,145,259
MEXICHEM FLUOR S.A. DE C.V. 3,148,733
MEYER, ANDREW 3,144,181
MEYER, DONALD 3,144,928
MEYER, STEPHAN HANS 3,144,735
MIDAVAINE, THIERRY 3,143,954
MIDDAUGH, RICHARD L. 3,144,894
MIDDLETON, JOSEPH ERVIN 3,148,925
MIGHTY BUILDINGS, INC. 3,149,186
MIKAIL, SAMUEL 3,144,886
MILANO, GUENDALINA 3,149,099
MILES, SHANE ROBERT 3,146,249
MILLAN, JEFF 3,149,182
MILLENNIUM HEALTHCARE TECHNOLOGIES, INC. 3,144,161
MILLER IV, BYRD TYLER 3,144,187
MILLER, JORDAN S. 3,148,465
MILMAN, VADIM 3,149,002
MILNER, CAROLINE 3,148,714
MILSHTEIN, EREL 3,148,849
MILSHTEIN, JARROD DAVID 3,148,500
MILSHTEIN, JARROD DAVID 3,148,607
MIMOTO, STANLEY 3,144,397
MINA THERAPEUTICS LIMITED 3,148,827
MINESENSOR ASSETS PTY LTD 3,144,735
MINNETRONIX NEURO, INC. 3,148,605
MINSHALL, RICHARD D. 3,148,980
MIODEK, ANNA 3,148,792
MIODEK, ANNA 3,148,799
MISAGHIAN, KHASHAYAR 3,148,721
MITCHELL, DUANE 3,144,388
MITIDIERI, AUGUSTO 3,149,373
MITSUBISHI CHEMICAL UK LIMITED 3,148,732
MIURA, KENJI 3,144,718
MIURA, MASAHIRO 3,148,856
MIZUSAWA, HOMARE 3,148,856
MIZUTANI, YUSUKE 3,148,742
MOAZAMI, YASAMIN 3,148,613
MOBILE I.V. SYSTEMS, LLC 3,145,116
MODERNATX, INC. 3,149,386
MOELLENDICK, TIMOTHY E. 3,148,770
MOELLENDICK, TIMOTHY E. 3,149,091
MOGHADAMFALAHI, MOHAMMAD 3,143,255
MOGNA, VERA 3,148,737
MOHR, WOLFGANG 3,148,812
MOLLAAGHABABA, REZA 3,148,831
MONASTYROV, MYKOLA 3,149,353
MONDELLI, DANIELA 3,148,940
MONDI PRODUCTS LTD. 3,144,729
MONTAGANO, MICHAEL 3,144,729
MONTEIRO SERRAO, JOANA MARIA 3,149,158
MONTEIRO SERRAO, JOANA MARIA 3,149,175
MONTOYA, JAMES DANIEL 3,149,300
MONTOYA, JAMES DANIEL 3,149,301
MOON, JAMES J. 3,144,710
MOORE, RICHARD, JR. 3,144,515
MORALES AIRA, MARIA DOLORES 3,148,924
MORAN, CHRISTINE 3,148,908
MORASSE, SEBASTIEN 3,148,761
MORENO, ALEXIS 3,148,804
MORISAWA, YUJIN 3,144,685
MORTENSEN, PETER MOLGAARD 3,148,729
MORTENSEN, PETER MOLGAARD 3,148,730
MORVAN, MIKEL 3,145,266
MOSES, DAVID A. 3,145,254
MOSKAL, JOSEPH R. 3,148,922
MOURLANE, FREDERIC 3,148,792
MOURLANE, FREDERIC 3,148,799
MOWER, JIMMY 3,149,132
MOZES, ALON 3,148,594
MPEG LA, LLC 3,144,467
MUCHENA, JOHN KAILEMIA 3,144,164
MUKHOPADHYAY, ABHISHEK 3,144,734
MULLER, DIETMAR 3,149,338
MULLER, ENRICO 3,149,426
MULLER, MARTINA 3,148,724
MULLIGAN, AOIFE 3,148,739
MUMMA, RACHEL ELIZABETH 3,148,500
MUMMA, RACHEL ELIZABETH 3,148,607
MUNGUIA-CHANG, ANTONINA 3,149,367
MURPHREE, ZACHARY RYAN 3,148,849
MURRAY, SEOIRSE 3,148,777
MURTLAND, CARRIE 3,148,496
MURUGESAN, SARAVANABABU 3,145,028
MUSTER, MICHAEL 3,144,928
MUSYIMI, HARRISON K. 3,148,796
MYKYTIUK, JOHN 3,145,286
MYMAN, DARIN 3,149,004
MYTHIC THERAPEUTICS, INC. 3,149,199

NAAMANKA, JORMA 3,144,906
NADKARNI, AKSHAY 3,145,055
NADOLNY, SYLVIE 3,144,653
NAELAPAA, KAISA 3,144,611
NAELAPAA, KAISA 3,144,618
NAGATA, SATOSHI 3,148,851
NAITO, YUTA 3,149,387
NAJAFABADI, SAYED ALIREZA HASSANI 3,144,710
NAKAHATA, YUSHI 3,148,856
NAKAJIMA, MASAYUKI 3,148,754
NAKAMURA, NORIKO 3,149,161
NAM, JUNG HAK 3,148,751
NAM, KIYEAN 3,145,115
NANJO, TAKUYA 3,148,961
NANJO, TAKUYA 3,149,391
NANOGRID LIMITED 3,148,738
NARAYAN, MURLI 3,149,090
NARAYANAN, SANJU 3,145,074
NASER, KARAM 3,149,102
NATARAJAN, SIVARAMAN 3,149,201
NATIONAL OILWELL DHT, L.P. 3,148,449
NATIONAL OILWELL VARCO, L.P. 3,148,603
NAVA, NICOLE A. 3,148,613
NAVARRA-MESTRE, RAMON 3,148,726
NAVRATIL, TOMAS 3,145,055
NELMS, TERRY 3,148,829
NEMASKA LITHIUM INC. 3,144,537
NEMEIN LIMITED 3,149,114
NEOCIS INC. 3,148,594
NETHERTON, CHRIS 3,148,586
NEUMAN, KRISTIN K. H. 3,144,467
NEUNER, AUSTIN 3,145,209
NEURACLE GENETICS INC. 3,149,368
NEUTRIK AG 3,148,485
NEUTRIK AG 3,148,768
NEVOLA, LAURA 3,148,785
NEWHOUSE, JOCELYN MARIE 3,148,500
NEWHOUSE, JOCELYN MARIE 3,148,607
NEWLEAF SYMBIOTICS, INC. 3,149,180
NEWTON, ROBERT C. 3,148,776
NEXTCELL PHARMA AB 3,148,582
NG, DEAN 3,149,350
NGUYEN, LINH 3,148,876
NGUYEN, MIKE 3,149,363
NGUYEN, THI HONG LUONG 3,149,354
NH THERAGUIX 3,148,734
NICHOLS, ALEXANDER J. 3,149,199
NICOLAS, LIONEL 3,144,466
NICOVENTURES TRADING LIMITED 3,148,884
NICOX OPHTHALMICS, INC. 3,145,055
NIEDERLEITNER, ALEXANDER 3,149,297
NIEDZWIECKI, ALEKSANDRA 3,145,041
NIEMINEN, JUHA TAPIO 3,144,906
NIKITENKO, SERGEI SERGEEVICH 3,149,317
NIKITIN, PAVEL A. 3,149,198
NIKONOV, GEORGIY 3,149,152
NILICA, ROLAND 3,144,165
NIMBLE ROBOTICS, INC. 3,149,178
NINOMIYA, WATARU 3,148,732
NISHIDA, KAZUFUMI 3,148,732
NISHIJIMA, MASAHIRO 3,149,146
NISHIJIMA, MASAHIRO 3,149,156
NISHIO, AKIHIKO 3,148,743
NISSEN, BIRGITTE 3,144,611
NISSEN, BIRGITTE 3,144,618
NISSHINBO HOLDINGS INC. 3,149,148
NISSHINBO HOLDINGS INC. 3,149,149
NISSHINBO HOLDINGS INC. 3,149,385
NIU, XIAOKAI 3,144,896
NKARTA, INC. 3,144,724
NOBLE HOUSE GROUP PTY. LTD. 3,146,931
NOBREGA, ANTONIO 3,149,131
NOBREGA, ANTONIO 3,149,133
NOK CORPORATION 3,148,856
NOOGGI PTE LTD 3,148,471
NORDINE, MALACHI 3,149,009
NORRIS, STEPHEN 3,148,834
NORTH, SIMON 3,148,585
NORTH-WEST UNIVERSITY 3,149,370
NORTHEN, JULIAN 3,145,286
NORTHWESTERN UNIVERSITY 3,144,705
NORTHWESTERN UNIVERSITY 3,148,922
NOTARI, MARCELLO 3,145,281
NOTO, KEITH D. 3,149,354
NOVA CHEMICALS CORPORATION 3,148,833
NOVALIQ GMBH 3,144,193
NOVARTIS AG 3,144,542
NOVARTIS AG 3,148,890
NOVO NORDISK A/S 3,144,611
NOVO NORDISK A/S 3,144,618
NOVOZYMES A/S 3,144,423
NPROXX B.V. 3,149,336
NPROXX B.V. 3,149,338
NSEIR MANASSA, NORA 3,144,451
NTT DOCOMO, INC. 3,148,851
NUO-BETA PHARMACEUTICAL TECHNOLOGY (SHANGHAI) CO., LTD. 3,149,104
NUOVO PIGNONE TECNOLOGIE - S.R.L. 3,144,604
NURAMI MEDICAL LTD. 3,144,451
NURIX THERAPEUTICS, INC. 3,148,769
NUSSBAUMER, OLIVER 3,148,588
NYMOX CORPORATION 3,148,850
NYMOX CORPORATION 3,149,097
NYULI, COLIN 3,148,991
O'MAHONY, LEONARD 3,148,812
O'SULLIVAN, STEPHEN 3,148,739
OBERBERGER, MICHAEL M. 3,139,158
OBERST, RAINER 3,148,726
OBSEVA S.A. 3,148,939
OEHRING, JARED 3,148,987
OESTER, DEAN A 3,145,101
OFFSHORE DESIGNS LTD. 3,148,872
OGUNDARE, OLUWATOSIN 3,148,522
OGURA, NORIKO 3,144,487
OH, JOO YOUN 3,148,714
OHLKNECHT, CHRISTOPH 3,149,433
OIL PATCH GROUP, INC. 3,149,404
OKELLO, JOHN 3,148,876
OKITSU, NAOKO 3,149,161
OKYO PHARMA LIMITED 3,149,397
OLAYIWOLA, BOLAJI 3,148,833
OLLIS, ANNE 3,149,430
OLMI, CLAUDIO 3,148,522
OMAR, RODAINA 3,144,451
ONESUBSEA IP UK LIMITED 3,148,460
ONO PHARMACEUTICAL CO., LTD. 3,149,309
ONTARIO INSTITUTE FOR CANCER RESEARCH (OICR) 3,148,876
ONTORIA ONTORIA, JESUS MARIA 3,148,723
OOSTENBRINK, CHRIS 3,149,433
OOTANI, TSUYOSHI 3,149,146
OOTANI, TSUYOSHI 3,149,156
OOTORI, YASUHIRO 3,144,685
OPTI-HARVEST, INC. 3,148,811
OR-GEVA, NOGA 3,149,379
ORLANDO, EMMANUEL 3,144,856
OROY, CLOE 3,148,659
ORTHOFIX S.R.L. 3,148,724
ORTIZ GARCIA, JUAN P. 3,148,519
OSBORN, KEVIN 3,144,391
OSBORNE JR., RONALD W. 3,148,873
OSBORNE, AARON 3,145,239
OSHIMA, YASUHIDE 3,145,079
OSHIMA, YASUHIDE 3,145,080
OSSA, JUAN ESTEBAN ARANGO 3,148,450
OST, TOBY 3,148,587
OSTER, JONATHAN 3,148,446
OSTIUM GROUP 3,148,883
OSTIUM GROUP 3,148,927
OSTIUM GROUP 3,148,932
OTREMBA, FRANK 3,149,336
OTREMBA, FRANK 3,149,338
OTSUKA PHARMACEUTICAL CO., LTD. 3,148,312
OUELLET, STEPHANE 3,149,096
OVERTURE LIFE, INC. 3,144,694
OWENS, SHERRY 3,148,776
OXFORD SAFETY COMPONENTS LIMITED 3,149,113
OYANG, COUNDE 3,144,542
P E W A S S.R.O. 3,148,869
PACELLA, JONATHAN M. 3,149,329
PACKSIZE LLC 3,144,475
PACT PHARMA, INC. 3,144,468
PADILLA, MILAN 3,144,911
PADRICK, THOMAS 3,144,148
PADRICK, THOMAS 3,144,153
PAGNOTTI, LOUBNA 3,148,754
PAL, RANJAN KUMAR 3,148,592
PALANICHAMY, KRISHNAN 3,149,376
PALEFSKY, IRWIN 3,145,265
PALLET, VERONIQUE 3,148,659
PALZAR, THOMAS 3,148,624

Index des demandes PCT entrant en phase nationale

PAMPALONI, GIACOMO 3,144,604
PAN, JINGYUAN 3,144,536
PAN, LI 3,144,164
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,148,743
PANCHAL, BHAVESH MOHANBHAI 3,148,592
PANE, MARCO 3,148,737
PANG, RAN 3,148,881
PANG, XIUFENG 3,149,326
PANTANO, JOSEPH ANTHONY 3,148,500
PANTANO, JOSEPH ANTHONY 3,148,607
PAPPAEMMANUIL, ELLI 3,148,450
PARADISE, CHRISTOPHER 3,148,604
PARADISO, LUCA 3,149,356
PARASCHIV, ADRIAN 3,148,645
PAREKH, KALPESH 3,144,423
PARK, HYUN JIN 3,149,314
PARK, NAE RI 3,148,751
PARK, PAUL 3,148,876
PARK, SO YOUNG 3,148,749
PARKER-HANNIFIN CORPORATION 3,148,837
PARPAJOLA, VLADI 3,149,315
PARPAS S.P.A. 3,149,315
PARSONS, KATE 3,145,262
PARSSINEN, ANTTI 3,149,299
PASS, JESPER 3,149,333
PATEL, LEENA 3,148,613
PATEL, NILAMKUMAR JAYNTILAL 3,149,366
PATEL, PALAX 3,148,876
PATEL, ZARNA 3,148,819
PATHAK, SANDEEP PANKAJKUMAR 3,148,592
PATHOGENDX, INC. 3,144,918
PATIL, RAJKUMAR V. 3,149,397
PATRA, PABITRA 3,145,369
PAUL WURTH S.A. 3,149,343
PAUL, DHARAM 3,149,182
PAUL, WOLFGANG 3,145,252
PAYNE, RONALD MARK 3,149,188
PEACOCK, WILLIAM L. 3,148,811
PEARCE, STEPHEN 3,148,727
PECKHAM, JORDAN 3,144,726
PEDERSEN, BETTY LOMSTEIN 3,144,611
PEDERSEN, BETTY LOMSTEIN 3,144,618
PEER, RICHARD DAVID 3,144,463
PEI, JINGWEN 3,149,354
PEIPPO, RAUNO 3,145,061
PELTO, CHRISTOPHER MICHAEL 3,144,922
PENA LINO, SILVIA PATRICIA 3,149,175
PENAKE, DAVID 3,148,812
PENG, JIANBIAO 3,149,403
PENN, DAVID 3,146,229
PERARO, LEILA 3,149,395
PEREA, SALLY 3,145,245
PERES, BASILE 3,148,804
PEREZ AMILL, LORENA 3,148,930
PEREZ, MILEIDYS 3,145,268
PEREZ, ROSA A. 3,148,519
PERFETTINI, JEAN-LUC 3,144,509
PERKINS, NICHOLAS 3,148,500
PERKINS, NICHOLAS 3,148,607
PERROT, TUGDUAL 3,143,954
PERRUCHOT, LUDOVIC 3,143,954
PERRY, JASON K. 3,148,613
PERRY, LINDSEY 3,145,262
PETERS, WILHELMUS LAMBERTUS JOHANNES 3,148,942
PETERSON, TIMOTHY 3,148,604
PETISCE, JAMES R. 3,145,259
PETIT, NICOLAS 3,149,426
PETRA, LUKAS 3,148,869
PETROCCHI, ALESSIA 3,148,723
PEVARELLO, PAOLO 3,148,454
PEZOA CONTE, RICARDO MIGUEL 3,143,384
PFAFFENROT, BENT 3,148,780
PHANG, TZE-LEE 3,149,312
PHARES, KENNETH ROBERT 3,149,358
PHILIPSON, YANN 3,148,788
PHILIPSON, YANN 3,149,328
PHYSIBOTICS, LDA. 3,144,146
PICCAGLI, BARBARA 3,149,373
PICON RUIZ, ARTZAI 3,148,726
PIELE, THEODOR 3,149,144
PILLAI, RADHAKRISHNAN 3,149,296
PINDROP SECURITY, INC. 3,148,829
PINHEIRO BASTOS, ANDRE EMANUEL 3,149,158
PINHEIRO BASTOS, ANDRE EMANUEL 3,149,175
PINKSTONE, FELICIA A. 3,148,615
PINOTBIO, INC. 3,148,866
PINTO FERREIRA, LUISA MARIA 3,149,175
PIRIBAUER, CHRISTOPH 3,144,165
PISANU, JEREMY 3,141,369
PISCITELLI, FRANCESCO 3,148,454
PISCITELLI, MICHAEL 3,129,122
PISHARODI, MADHAVAN 3,144,736
PIVA, ANDREA 3,149,130
PIVA, ANDREA 3,149,134
PLANTE, JOSEPH C. 3,148,795
PLINGE, AXEL 3,149,297
PLOBNER, ROLAND 3,149,111
PLUNKETT, TYLER R. 3,148,468
PO', RICCARDO 3,145,281
POC HYDRAULIC TECHNOLOGIES, LLC 3,144,730
POGATSCHNIGG, REINHOLD 3,144,858
POIRIER, TANGI 3,149,102
POLASEK, TOMMY D. 3,148,460
POLI, MASSIMO 3,149,378
POLLEE, DEAN R. 3,148,837
POLLOCK, CHRISTOPHER SANDOR 3,148,991
POLLONI, ROBERTO 3,149,356
POLLONI, ROBERTO 3,149,364
POLYAKOVA, OXANA 3,148,588
POLYPLUS TRANSFECTION 3,148,788
POLYPLUS TRANSFECTION 3,149,328
PONZI, SIMONA 3,148,723
POPERT-FORTIER, PATRICIA 3,149,396
PORTE, MATHIEU 3,148,788
PORTE, MATHIEU 3,149,328
POTINENI, RAJESH 3,144,164
PPC BROADBAND, INC. 3,148,989
PPG INDUSTRIES OHIO, INC. 3,148,754
PRAETEGO, INC. 3,149,383
PRAJAPATI, KAUSHIK DHANJIBHAI 3,148,592
PRATT, MICHAEL 3,148,597
PREMARTIN, FANNY 3,148,788
PREMARTIN, FANNY 3,149,328
PRESTA, LEONARD G. 3,144,734
PRICE, JOHN ADAM 3,144,905
PRICE, MATTHEW 3,149,344
PROBIOTICAL S.P.A. 3,148,737
PROTECT ANIMALS WITH SATELLITES, LLC 3,144,145
PROVENTION BIO, INC. 3,149,209
PRYCE, JENNIE ELIZABETH 3,145,516
PSZOLLA, GABRIELE 3,148,936
PSZOLLA, GABRIELE 3,148,937
PUERTOLAS, BASTIEN 3,141,369
PUGLIESE, ROBERTO 3,149,355
PUPIER, CHRISTOPHE GERARD 3,144,471
PUREWICK CORPORATION 3,144,181
QIAGEN GMBH 3,148,731
QIAN, XUEMING 3,149,406
QIAN, YUMING 3,149,396
QIAO, CHUNPING 3,145,112
QIU, HUAWEI 3,148,764
QUAKENBUSH, GREG 3,149,006
QUAN, HEQING 3,126,399
QUEBATTE, JULIEN LAURENT 3,149,430
QUEK, SHU CHING 3,148,471
QUEK, TOI MIEN 3,148,471
QUINN, CONOR 3,148,739
QUINN, GREGORY 3,148,475
QUINN, PATRICK 3,148,739
QUINTERO, JORGE 3,149,302
QURIENT CO., LTD. 3,145,115
R.P. SCHERER TECHNOLOGIES, LLC 3,148,807
RABE, AMANDA LAUREN 3,144,192
RABER, PETER 3,149,423
RABOUH, RAFI 3,144,919
RABUKA, DAVID 3,148,807
RAJ, GAUTAM SESHAN 3,148,806
RAJAGOPALAN, P. T. RAVI 3,148,822
RAMIREZ, JOSE 3,148,818
RAMOS, JORGE 3,144,591
RAMPART COMMUNICATIONS, INC. 3,148,969
RANDHAWA, JATINDER 3,148,849
RANDOX LABORATORIES LTD 3,148,718
RANDOX TEORANTA 3,148,718
RANTE CORPORATION 3,148,919
RAO, GANESH 3,148,823

RAPIN, DANIEL P. 3,148,837
RAS TECHNOLOGY SARL 3,149,339
RASETTO, VALERIA 3,148,940
RASMUSSEN, JEFFREY L. 3,144,475
RASTORGUEV, DMITRII SERGEEVICH 3,149,317
RATH, MATTHIAS 3,145,041
RATHANASWAMI, PALANISWAMI 3,148,591
RAVID, NADAV 3,148,811
RAVID, YOSEPHA SHAHAK 3,148,811
RAWLINGS, DAVID LIONEL 3,148,925
RAWLINGS, GEORGE WILLIAM 3,148,872
RAY, WILLIAM 3,148,454
RAYMOND, CHRIS 3,145,114
RE, FRANCESCA 3,148,787
REABOI, ANDREI 3,148,595
REATA PHARMACEUTICALS, INC. 3,144,603
RECSEI, CARL 3,149,137
REE AUTOMOTIVE LTD. 3,144,745
REEBYE, UDAY 3,148,594
REEBYE, VIKASH 3,148,827
REED, JEFFREY 3,145,017
REEVELL, TONY 3,148,725
REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG 3,144,165
REGENERON PHARMACEUTICALS, INC. 3,148,611
REGENTS OF THE UNIVERSITY OF MINNESOTA 3,148,805
REGENXBIO INC. 3,145,112
REHDER, KENNETH S. 3,145,074
REHEN, STEVENS 3,149,425
REHM, ERIC 3,144,181
REINKE, GERALD H. 3,148,757
REISMAN, ELI 3,148,823
REISNER, YAIR 3,149,379
REITZ, ALLEN B. 3,148,794
RELPH, JOHN 3,148,815
REMEUR, CAMILLE 3,148,794
REMUS, RICARDO 3,149,126
REN, BAOLUTE 3,148,817
REN, JINSHENG 3,148,881
REN, PING 3,149,398
REN, SHAN 3,149,333
RESEARCH TRIANGLE INSTITUTE 3,145,074
RESOLUTION BIOSCIENCE, INC. 3,145,114
RETAILLEAU, VINCENT 3,148,883
RETAILLEAU, VINCENT 3,148,927
RETAILLEAU, VINCENT 3,148,932
REYMOND, JEAN-LOUIS 3,149,431
REYNOLDS, TOM 3,149,182
RHINOWARE CONNECT, LLC 3,149,417
RHODES, DAVID E. 3,144,896
RHODIA OPERATIONS 3,145,224
RHODIA OPERATIONS 3,145,266
RHOTEN, AARON T. 3,148,468
RIBEIRO, SIDARTA 3,149,425
RICHARD, GILLES 3,149,325
RICHARDSON, CIARAN 3,148,718
RICHTER, CHRISTIAN 3,145,276
RICKFORD, NADEIRA 3,145,265
RICORDEL, MARINE 3,148,788
RICORDEL, MARINE 3,149,328
RIDDEL, JACOB 3,148,603
RIDDLE'S DEHI & CHEMICAL SERVICES CO., LLC D/B/A E&P SERVICES GROUP 3,144,707
RIEGER, THOMAS 3,148,624
RILEY, STEVEN 3,148,987
RIMON, RONEN 3,145,019
RINALDI, CARLOS 3,144,388
RIVAS, CANDY MAVIS 3,144,918
ROBERT, PATRICK 3,145,264
ROBERTS, CLANCY P. 3,149,015
ROBERTS, CRAIG P. 3,148,773
ROBERTS, JOHN A. 3,148,460
ROBERTS, MARK F. 3,148,983
ROBERTS, MARK F. 3,148,986
ROBIN, MARK L. 3,148,796
ROBIN, NOEL JOSEPH CAMILLE 3,144,516
ROBINSON, HELEN MARIE RUTH 3,149,112
ROBINSON, MATTHEW BRANDON 3,148,969
ROBINSON, MATTHEW K. 3,149,198
ROBINSON, RONALD 3,144,194
ROCHE, JEAN-BAPTISTE 3,145,245
ROCKWOOL B.V. 3,148,942
RODELL, KRISTINE C. 3,148,908
RODINGER, TOMAS 3,148,738
RODRIGUES, SOPHIE 3,144,733
RODRIGUEZ SALAZAR, JUAN C. 3,148,519
RODRIGUEZ, FRANKLIN CHARLES 3,145,117
ROGER, HARMONY 3,144,901
ROGERS, DARREN 3,149,108
ROGERS, RONNIE D. 3,148,468
ROGERS, STEPHEN 3,148,900
ROGERS, TRACY D. 3,148,468
ROGL, HARALD 3,144,717
ROHDE, WOLFGANG 3,144,711
ROHDE, WOLFGANG 3,144,716
ROHDE, WOLFGANG 3,144,899
ROLL, MARC-SVEN 3,148,934
ROMERO RODRIGUEZ, JAVIER 3,148,726
RON, OFER 3,149,002
RONCIN, ARMELLE 3,148,800
ROOT'S DECOR INDIA PVT. LTD. 3,149,366
ROSADO SABINO, VANESSA ALEXANDRA 3,149,175
ROSANWO, SOTON AYODELE 3,148,762
ROSATI, LOUIS 3,144,194
ROSEMOUNT INC. 3,148,805
ROSENBERG, VICTOR 3,148,755
ROSLER, CHRISTIANE 3,149,126
ROSSETTI, ILARIA 3,148,723
ROTGERI, MATHIAS 3,148,935
ROTO FRANK FENSTER-UND TURTECHNOLOGIE GMBH 3,144,844
ROTTLANDER, MARIO 3,148,719
ROUGET, CELINE 3,149,332
ROUSSEL, EMILE 3,148,804
ROZENBLAT, SHARON 3,149,120
ROZENBLAT, SHARON 3,149,121
ROZENBLAT, SHARON 3,149,298
RUAG AMMOTEC AG 3,144,928
RUAN, YANG 3,148,823
RUBIC-SCHNEIDER, TINA 3,148,890
RUBICON RESEARCH PTY LTD 3,148,626
RUGOLO, JASON 3,148,860
RUJAS DIEZ, EDURNE 3,149,320
RULE, JEFFREY 3,144,391
RULE, JEFFREY 3,144,455
RULE, JEFFREY 3,144,492
RUMY, ARPAD 3,148,782
RUNNACLES, JONATHAN 3,148,732
RUNYON, SCOTT P. 3,145,074
RUTLEDGE, JAMES M. 3,149,376
RUTTER, RISA 3,145,070
RYAN, KEVIN M. 3,145,039
RYAN, MICHALE D. 3,148,615
SAADON, MARSCHELL 3,148,609
SACHDEV, NARENDRA SINGH 3,149,318
SADILE, FRANCESCO 3,148,841
SAE HOUER, PIERRE 3,148,928
SAELEE, KAO 3,149,206
SAFE FOODS CORPORATION 3,145,262
SAFEHOUSE HABITATS (SCOTLAND) LIMITED 3,149,101
SAFRAN AIRCRAFT ENGINES 3,144,516
SAFRAN HELICOPTER ENGINES 3,144,907
SAGA, HIDEKI 3,144,487
SAHIN, FIKRETTIN 3,148,933
SAINT-GOBAIN GLASS FRANCE 3,145,273
SALCEDO, JUAN 3,148,594
SALGADO, ANNA 3,148,529
SAMANTA, BISWAJIT 3,148,592
SAMIOTAKIS, ANTONIOS 3,144,731
SAMIOTAKIS, ANTONIOS 3,144,734
SAMMULLER, HERBERT 3,149,144
SAMS, ANETTE, GRAVEN 3,148,719
SAMYANG CORPORATION 3,145,038
SANDS, ARTHUR T. 3,148,769
SANDVIK MINING AND CONSTRUCTION G.M.B.H. 3,144,858
SANFORD-BURNHAM MEDICAL RESEARCH INSTITUTE 3,148,593
SANG, SHAOMING 3,149,107
SANOFI PASTEUR INC. 3,148,824
SANSO MIXING AB 3,149,420
SANTANA DOS SANTOS, PEDRO 3,148,928

SANTILLAN, DIWATA KATRINA DINGLASA 3,148,868
SAOL INTERNATIONAL RESEARCH LTD. 3,148,812
SAPHIER, OFER 3,148,808
SARAIVA, DANIEL 3,148,589
SARDES, AHISHAY 3,144,745
SARDINA, MARCO ANTONIO ERCOLE 3,148,787
SARVER, EDWIN JAY 3,144,148
SARVER, EDWIN JAY 3,144,153
SATO, TAKESHI 3,148,741
SATO, TETSUTARO 3,149,385
SATO, TOSHIHIRO 3,149,391
SATTERFIELD, BENJAMIN 3,144,469
SAUDI ARABIAN OIL COMPANY 3,148,770
SAUDI ARABIAN OIL COMPANY 3,149,091
SAVAGE, PAUL B. 3,145,403
SAVVYBABY PTY LTD 3,148,580
SAXENA, MANJU 3,148,608
SAYGER, DANIEL 3,148,763
SAYOUR, ELIAS 3,144,388
SCARLO PTY LTD 3,148,501
SCHAAPVELD, ROELAND QUIRINUS JOZEF 3,148,713
SCHADA VON BORZYSKOWSKI, LENNART 3,148,934
SCHAER, MARC-ANTOINE 3,149,339
SCHEEPERS, PETER FRANSCISCUS JOHANNES MARIA 3,148,716
SCHEEPERS, PETER FRANSCISCUS JOHANNES MARIA 3,148,717
SCHEINBERG, DAVID A. 3,149,395
SCHEN, AARON 3,148,603
SCHIERLE-ARNDT, KERSTIN 3,144,711
SCHIERLE-ARNDT, KERSTIN 3,144,716
SCHIERLE-ARNDT, KERSTIN 3,144,899
SCHINDELER, AARON 3,145,403
SCHLAKE, THOMAS 3,144,902
SCHLUND, MARIO 3,148,645
SCHNEIDER, RAINER 3,149,433
SCHOFIELD, THOMAS BEAUREGARD 3,145,120
SCHROEDER, MATTHEW R. 3,144,905
SCHUMACHER, ERIC 3,144,882
SCHUMACHER, ERIC 3,144,893
SCHUNK TRANSIT SYSTEMS GMBH 3,148,652
SCHUSTER, HEIKO 3,148,937
SCHWARTE, STEPHAN 3,145,058
SCHWEIZER, THOMAS 3,144,149
SCHWENDEMAN, ANNA A. 3,144,710
SCHWOBEL, FRANK 3,148,937
SCIEUR, PHILIPPE 3,148,924
SEA4US - BIOTECNOLOGIA E RECURSOS MARINHOS, LDA. 3,149,158
SEA4US - BIOTECNOLOGIA E RECURSOS MARINHOS, LDA. 3,149,175
SEALEY II, JAMES E. 3,144,187
SEAMANS, JAMES DALLAS 3,144,916
SEARS, CANDICE 3,148,465
SEBERT, MORGANE 3,149,332
SECO, JOAO 3,144,146
SEEFRIED, JURGEN 3,149,436
SEEGER, NATALIE 3,148,613
SEELER, FABIAN 3,144,716
SEELER, FABIAN 3,144,899
SEGAL, MARK STEPHEN 3,148,991
SEGAO MONDRAGAO, MIGUEL ANGELO 3,149,158
SEGAO MONDRAGAO, MIGUEL ANGELO 3,149,175
SEGEV, TOMER 3,144,745
SEGUIN, STEPHEN 3,144,466
SEKALY, RAFICK-PIERRE 3,144,413
SELIG, ROLAND 3,148,780
SELLE ROYAL S.P.A. 3,149,372
SELTZER, CHARLES MICHAEL 3,148,830
SEMENOV, EVGENIJ IGOREVICH 3,144,195
SEMIOCARE SAS 3,144,188
SENANAYAKE, MAHINDA PALITHA 3,148,474
SENSIMED SA 3,148,645
SENSUS SPECTRUM LLC 3,149,344
SENTEC LTD 3,149,344
SENTINHEALTH 3,148,783
SEOUL NATIONAL UNIVERSITY HOSPITAL 3,148,714
SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT 3,149,325
SEREINIG, SIEGFRIED 3,149,435
SERHAL, KAMAL 3,148,833
SERVICETITAN, INC. 3,144,150
SERVICETITAN, INC. 3,144,166
SESTRA SYSTEMS, INC. 3,144,190
SEVADJIAN, EMILE EDMUND 3,145,118
SEVI, GUILLAUME 3,144,516
SFERRAZZA, ALESSIO 3,148,723
SHA, XIUBIN 3,145,267
SHABTAI, SAMI 3,145,270
SHAFFER, TRISTAN 3,145,114
SHAFRAN-TOMER, HADAS 3,148,950
SHAH, AJAY M. 3,148,774
SHAH, SALIK 3,144,722
SHAHVIRDI DIZAJ YEKAN, TAHA 3,148,793
SHAIKH, ABDUL 3,145,120
SHAILUBHAI, KUNWAR 3,149,397
SHALEV, ARIEL 3,148,808
SHANEBECK, KURT 3,148,505
SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD. 3,148,886
SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD. 3,148,903
SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD. 3,148,921
SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD. 3,148,926
SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES 3,148,886
SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES 3,148,903
SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES 3,148,926
SHANGHAI INSTITUTE OF MATERIAL MEDICA CHINESE ACADEMY OF SCIENCES 3,148,921
SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD 3,149,403
SHANGHAI RAISING PHARMACEUTICAL CO., LTD. 3,149,107
SHANGHAI YAHONG MEDITECH CO., LTD. 3,149,340
SHANGHAI YUYAO BIOTECH LTD. 3,149,326
SHANMUGANATHAN, SUGEEVAN 3,131,844
SHAO, JINHUA 3,149,335
SHARKEY, JAMES 3,148,995
SHARKEY, JAMES 3,148,998
SHARMA, ANURAG 3,144,515
SHARMA, ASHISH 3,144,413
SHARP KABUSHIKI KAISHA 3,149,146
SHARP KABUSHIKI KAISHA 3,149,156
SHARP KABUSHIKI KAISHA 3,149,160
SHASTRI, PARSHURAM NIRAJAN 3,148,801
SHEN, FEI 3,148,735
SHEN, SHUAI 3,149,340
SHENZHEN CARKU TECHNOLOGY CO., LIMITED 3,126,399
SHENZHEN CARKU TECHNOLOGY CO., LIMITED 3,126,403
SHENZHEN CARKU TECHNOLOGY CO., LIMITED 3,133,530
SHENZHEN HUACHENGDA PRECISION INDUSTRY CO. LTD 3,148,633
SHENZHEN LINPINGXIJING VISION TECHNOLOGY CO., LTD 3,148,878
SHEYBANI, ROYA 3,148,774
SHI, JIZHOU 3,144,420
SHIBAYAMA, SHIRO 3,149,309

SHIEH, AILEEN 3,149,376
SHIEH, DAVID J. 3,148,778
SHIEH, DAVID J. 3,148,779
SHIMAMURA, TADASHI 3,148,312
SHIMBO, TAKUYA 3,149,309
SHIN, JINHWAN 3,148,824
SHIN, JOO-HYUN 3,132,600
SHIN, SUNHWA 3,149,368
SHINOHARA, YU 3,149,146
SHIRANI, ALIREZA 3,148,460
SHIVKUMAR, BAGAVANT 3,148,786
SHIVKUMAR, UMA 3,148,786
SHOBE, MATTHEW 3,148,815
SHOTS BV 3,148,948
SIDLIK MUSKATEL, RAKEFET 3,149,379
SIEMENS ENERGY GLOBAL GMBH & CO. KG 3,149,111
SIEMENS HEALTHCARE DIAGNOSTICS INC. 3,149,090
SIEMENS INDUSTRY, INC. 3,148,908
SIGYN THERAPEUTICS, INC. 3,148,773
SIKORA, DEREK 3,148,446
SILVANI, MICHAEL ANGELO, JR. 3,149,417
SILVERMAN, DAVID ANDREW 3,145,239
SILVERMAN, PETER BRIAN 3,149,365
SILVERNAIL, CARTER M. 3,148,620
SIMANZHENKOV, VASILY 3,148,833
SIMARD, SEBASTIEN 3,148,761
SIMCERE BIO-PHARMACEUTICAL TECHNOLOGY., LTD. 3,148,881
SIMON, BARRY J. 3,148,608
SIMONSEN, TORE 3,149,088
SINGH, AMBUJ K. 3,148,602
SINGH, DEEP ARJUN 3,144,431
SINGH, SACHCHIDA 3,148,778
SINGH, SACHCHIDA 3,148,779
SINGH, SANJAYA 3,148,735
SINOPOLI, PAOLO 3,149,355
SINTETICA S.A. 3,149,373
SK BIOSCIENCE CO., LTD. 3,148,824
SKALYO, JEFFREY J. 3,148,461
SKEAD, BENJAMIN 3,145,286
SKEAD, BENJAMIN 3,145,287
SKYTRAC SYSTEMS LTD. 3,149,009
SLANEY, MALCOLM 3,148,860
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH 3,149,395
SLUTI, ANNE 3,148,519
SMALES, MATTHEW P. 3,148,461
SMARTA INDUSTRIAL PTY LTD 3,145,393
SMARTA INDUSTRIAL PTY LTD 3,148,966
SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED 3,148,470
SMITH & NEPHEW ORTHOPAEDICS AG 3,148,470
SMITH & NEPHEW, INC. 3,148,470
SMITH, ANTONY 3,148,529
SMITH, DANIELLE CASSIDY 3,148,500
SMITH, DANIELLE CASSIDY 3,148,607
SMITH, DAVID JOHNSTON 3,148,868
SMITH, GARETH 3,144,716
SMITH, GARRY R. 3,148,794
SMITH, GRAEME CAMERON MURRAY 3,149,112
SMITH, GREGORY H. 3,149,006
SMITH, KEVIN M. 3,145,282
SMITH, MICHAEL 3,148,776
SMITH, PAUL 3,145,093
SMITH, WESTON 3,148,500
SMITH, WESTON 3,148,607
SNAP CPAP, LLC 3,148,958
SO, YOON JOON 3,148,784
SOBIERAJ, GRZEGORZ 3,149,427
SOCIETE DES PRODUITS NESTLE S.A. 3,149,436
SODERSTAM, GUNILLA 3,149,367
SOE, JAE-GU 3,132,600
SOFIA, MICHAEL J. 3,149,302
SOH, HAN LIM 3,148,471
SOLONITSYN, SLAVA 3,149,186
SONG, DEGANG 3,148,735
SONG, YEONJU 3,149,390
SONNEN, MICHAEL 3,149,336
SONOCO DEVELOPMENT INC. 3,144,896
SONOCRETE GMBH 3,149,126
SONOSCOPE INC. 3,149,323
SONY GROUP CORPORATION 3,144,914
SONY INTERACTIVE ENTERTAINMENT INC. 3,144,685
SONY PICTURES ENTERTAINMENT, INC. 3,144,914
SOQUENNE, EDGARD 3,148,883
SOQUENNE, EDGARD 3,148,927
SOQUENNE, EDGARD 3,148,932
SOSTELLY, ALEXANDRE ANTOINE BERNARD 3,144,921
SOSTELLY, ALEXANDRE ANTOINE BERNARD 3,144,923
SOUBRET, ANTOINE 3,144,921
SOUBRET, ANTOINE 3,144,923
SOVELA MOURAO, HENRIQUE 3,149,175
SOVEREIGN, RANDALL JAMES 3,145,408
SPANDLEY, LUKE 3,149,108
SPANDLEY, LUKE 3,149,408
SPANDLEY, LUKE 3,149,409
SPANDLEY, LUKE 3,149,422
SPANGENBERG, GERMAN CARLOS 3,148,629
SPARGO, PETER LIONEL 3,144,713
SPARKCOGNITION, INC. 3,148,847
SPARNACCI, KATIA 3,145,281
SPECIALITES PET FOOD 3,148,659
SPENDER, JONATHAN 3,144,872
SPERATI, KARLA M. 3,144,579
SPIES, ALEXANDER 3,149,111
SPIRIT AEROSYSTEMS, INC. 3,144,905
SPITLER, II, SCOTT 3,148,452
SPM OIL & GAS INC. 3,144,463
SPORTS DATA LABS, INC. 3,144,397
SPURGEON, DANIEL A. 3,149,303
ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC. 3,149,201
STANHOPE, TREVOR 3,145,279
STANKOVSKI, STEVE 3,148,989
STARODUBTSEV, DMITRY 3,149,186
STAUCH, ROMAN 3,148,724
STEFKE, DANIEL 3,145,252
STEHLING, DANIEL 3,148,446
STEICHEN, CHARLES 3,149,343
STEPHENSON, STANLEY V. 3,149,416
STEVENS, KIRK L. 3,148,613
STIMSON, CHRISTOPHER 3,145,120
STINTON, SHAUN KEVIN 3,144,441
STOCK, FABRICE 3,148,788
STOCK, FABRICE 3,149,328
STOCKLEY, MARTIN 3,149,119
STOKOE, ALEX 3,148,775
STORA ENSO OYJ 3,149,367
STRAKA, JASON 3,148,983
STRAUB, JOCHEN 3,149,111
STRIEDNER, GERALD 3,149,433
STRIPE, INC. 3,148,806
STRIPE, INC. 3,148,809
STRODIOT, LAURENT BERNARD JEAN 3,148,928
STRUCTURED I, LLC 3,144,187
STRYKER CORPORATION 3,149,143
STUMPFIG, THOMAS 3,149,182
SU, LIANG 3,148,500
SU, LIANG 3,148,607
SUBRAMANIAN, LENIN KUMAR 3,148,975
SUENAGA, HIROMI 3,149,146
SUENAGA, HIROMI 3,149,160
SUH, FRANCIS DONGIL 3,148,925
SUI, JIANHUA 3,145,057
SULAPAC OY 3,149,299
SULLIVAN, REGINA MARIKO 3,145,408
SUMITOMO SHI FW ENERGIA OY 3,145,061
SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED 3,148,592
SUN, GUANGQIANG 3,148,886
SUN, GUANGQIANG 3,148,903
SUN, GUANGQIANG 3,148,921
SUN, GUANGQIANG 3,148,926
SUN, HAIZHOU 3,144,603
SUN, HANLI 3,149,010
SUN, JIN 3,149,335
SUNE RODRIGUEZ, GUILLERMO 3,148,930
SUNTORY HOLDINGS LIMITED 3,149,161
SUNTRAP LIFE TECHNOLOGIES LTD. 3,149,169
SUZHOU TRANSCENTA THERAPEUTICS CO., LTD. 3,149,406
SUZUKI, HIDETOSHI 3,148,743
SVAHN, MATHIAS 3,148,582
SYNERGY BLUE, LLC 3,139,158
SYNGENTA CROP PROTECTION AG 3,144,675

Index des demandes PCT entrant en phase nationale

SYNGENTA CROP PROTECTION AG 3,144,720
SZELAG, MICHAEL 3,149,138
SZWARC DOS SANTOS, BEATRIZ 3,149,158
SZWARC DOS SANTOS, BEATRIZ 3,149,175
SZYMANSKI, AARON 3,144,681
TAHARA, DAISUKE 3,145,280
TAI, CHIN-YIN 3,148,740
TAIHO PHARMACEUTICAL CO., LTD. 3,148,312
TAKAHASHI, KAZUNORI 3,149,391
TAKEMURA, TOSHIHIKO 3,148,815
TALAGA, PHILIPPE 3,148,824
TALALAI, ALEXANDER 3,148,849
TALBOTT, GEORGE C. 3,149,390
TAN, KAR TEAN 3,148,754
TANAKA, HIROKO 3,148,769
TANG, YANBING 3,135,123
TANNA, JAY 3,148,938
TAPIA IMBAQUINGO, GUSTAVO A. 3,148,849
TARGUS INTERNATIONAL LLC 3,148,974
TASLI, PAKIZE NESLIHAN 3,148,933
TAYLOR, GERALDINE 3,148,586
TEAM INDUSTRIAL SERVICES, INC. 3,149,392
TEHINI, LONY 3,148,727
TEIJIN PHARMA LIMITED 3,148,961
TEIJIN PHARMA LIMITED 3,149,391
TELFORD, BRYONY JANE 3,148,713
TELLAKULA, ROOPA 3,144,194
TEMPUS LABS, INC. 3,149,381
TEN HOMPEL, MICHAEL 3,148,935
TENG, FEI 3,149,406
TEODOROVICH, ANDREW 3,148,931
TEODOROVICH, MISHKO 3,148,931
TESLA, INC. 3,144,911
TEZUKA, TOMOYA 3,149,309
THALES 3,143,954
THALES 3,149,118
THANKAMUSHY, SREEKANTH SUNIL 3,144,732
THE BECKLEY FOUNDATION 3,149,425
THE BINDING SITE GROUP LIMITED 3,148,585
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,144,185
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,144,192
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,149,399
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS 3,148,980
THE CHEMOURS COMPANY FC, LLC 3,148,796
THE DUNYA PROJECT INC. 3,131,844
THE GENERAL HOSPITAL CORPORATION 3,148,988
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO 3,149,320
THE HOSPITAL FOR SICK CHILDREN 3,149,320
THE NATIONAL INSTITUTES OF PHARMACEUTICAL R&D CO., LTD. 3,144,420
THE PIRBRIGHT INSTITUTE 3,148,586
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,145,254
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,148,870
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,148,992
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 3,149,399
THE REGENTS OF THE UNIVERSITY OF MICHIGAN 3,144,710
THE SCRIPPS RESEARCH INSTITUTE 3,148,840
THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (A.R.O.), VOLCANI CENTER 3,148,950
THE TORONTO-DOMINION BANK 3,148,760
THE TRUSTEES OF INDIANA UNIVERSITY 3,149,188
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,149,194
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES OFFICE OF TECHNOLOGY TRANSFER, NIH 3,137,870
THE UNIVERSITY OF CHICAGO 3,148,621
THE UNIVERSITY OF MANCHESTER 3,148,714
THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY 3,148,827
THERIOT, PHILLIP M. 3,148,460
THERMOGRAPHIC MEASUREMENTS LTD 3,148,786
THESS, ANDREAS 3,144,902
THIBAULT, JOSEPH 3,148,608
THIERGART, OLIVER 3,149,297
THILLOT, MARC 3,143,954
THISCAP, INC. 3,148,920
THOMA, JOHANNES PETER 3,149,436
THOMAS, ADRIAN 3,148,946
THOMAS, RUSSELL 3,148,454
THOMASSER, PETER 3,148,624
THOMPSON, ANNELISE CHRISTINE 3,148,500
THOMPSON, ANNELISE CHRISTINE 3,148,607
THOMPSON, DONOVAN S. 3,148,458
THOMPSON, PAUL 3,149,109
THOMSON, AXEL 3,148,876
THROSBY, MARK 3,149,309
TILL, LAWRENCE 3,149,114
TILLEMENT, OLIVIER 3,148,734
TISSUE REGENERATION THERAPEUTICS INC. 3,148,631
TJERNBERG, LISA EDLUND 3,144,529
TMEM16A LIMITED 3,145,120
TMEM16A LIMITED 3,145,285
TOMATA, YOSHIHIDE 3,148,955
TOMINARI, YUSUKE 3,148,955
TONDU, THOMAS 3,145,273
TORAY INDUSTRIES, INC. 3,149,387
TORINO, DOMENICA 3,148,454
TOROMAN, VUKASIN 3,148,975
TORRENTE, ESTHER 3,148,723
TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION 3,148,862
TOTAL MARKETING SERVICES 3,144,496
TOTH, REKA 3,145,224
TOUSSAINT MOREAU, VALERIE 3,148,788
TOUSSAINT MOREAU, VALERIE 3,149,328
TOWNSEND, SCOTT A. 3,145,017
TRAGER, JAMES BARNABY 3,144,724
TRAGGIAI, ELISABETTA 3,148,890
TRAMPOSCH, WALTER G. 3,148,461
TRANSLATE BIO, INC. 3,148,819
TRANVOUEZ-BERNARDIN, DELPHINE 3,148,721
TRC OPERATING COMPANY, INC. 3,148,468
TREANOR, BEBHINN 3,149,320
TREGGER, NATHAN A. 3,148,983
TREGGER, NATHAN A. 3,148,986
TREMAIN, NICOLAS W. 3,148,596
TREMBLAY, MARIE-HELENE 3,148,761
TRIEGER, KELSEY A. 3,148,992
TRINH, KHOI 3,148,449
TROJEL-HANSEN, CHRISTINA 3,144,687
TRUSHINA, ANNA 3,149,186
TRUVALUE LABS, INC. 3,148,823
TSANG, MAN CHEUNG DAN 3,148,974
TSCHUMPERLIN, DANIEL J. 3,148,598

TSE, HENRY TAT KWONG 3,148,774
TSEITLIN, ALEXANDER 3,148,802
TSIRKULEV, MIKHAIL VALEREVICH 3,149,317
TSUCHIDA, SHINYA 3,144,685
TSURUTA, FUMINORI 3,144,718
TUFTS MEDICAL CENTER, INC. 3,148,846
TUFVESSON, HELENA 3,149,367
TULLOCH, FAITHLYN 3,148,823
TURGEMAN, SHLOMO 3,149,351
TYPHON TECHNOLOGY SOLUTIONS, LLC 3,148,496
TZANNOU, IFIGENEIA 3,149,145
TZARUM, NETANEL 3,148,840
U.S. WELL SERVICES, LLC 3,148,987
UBER, BRANDON 3,148,500
UBER, BRANDON 3,148,607
ULLIUS, ANDREA 3,148,731
ULRICH, PETER 3,148,890
UMUNDUM, CHRISTIAN 3,144,858
UNITED THERAPEUTICS CORPORATION 3,149,358
UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE 3,149,425
UNIVERSITA DEGLI STUDI DI MILANO - BICOCCA 3,148,787
UNIVERSITAT BERN 3,149,431
UNIVERSITAT DE BARCELONA 3,148,930
UNIVERSITE D'AIX MARSEILLE 3,149,325
UNIVERSITE DE BORDEAUX 3,148,659
UNIVERSITE DE BRETAGNE OCCIDENTALE 3,148,659
UNIVERSITE DE MONTREAL 3,148,721
UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR 3,148,800
UNIVERSITE DE ROUEN-NORMANDIE 3,144,733
UNIVERSITE DE TOULOUSE III - PAUL SABATIER 3,149,332
UNIVERSITE GRENOBLE ALPES 3,144,663
UNIVERSITE GRENOBLE ALPES 3,148,734
UNIVERSITE GRENOBLE ALPES 3,148,783
UNIVERSITE GRENOBLE ALPES 3,148,804
UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED 3,144,388
UNIVERSITY OF HOUSTON SYSTEM 3,145,214
UNIVERSITY OF LEEDS 3,148,791
UNIVERSITY OF ROCHESTER 3,144,687
UNIVERSITY OF TSUKUBA 3,144,718
UNIVERTISE CLAUDE BERNARD 3,148,804
UNVERDORBEN, FELIX 3,148,936
UNVERDORBEN, FELIX 3,148,937
URBAN, LAURENT 3,143,974
URBANO ISPIZUA, ALVARO 3,148,930
URBANSKI, JOHN PAUL 3,144,440
URGO RECHERCHE INNOVATION ET DEVELOPPEMENT 3,148,800
URGO RECHERCHE INNOVATION ET DEVELOPPEMENT 3,149,313
UROSPHERE 3,149,332
UV BOOSTING 3,143,974
VACLAVKOVA, ANDREA 3,145,269
VAILLANT, RENAUD 3,148,792
VAILLANT, RENAUD 3,148,799
VALBJOERN, JESPER 3,149,333
VALE S.A. 3,144,908
VALENTIN, MARIAN 3,148,869
VALLEJO, OLIVIER 3,145,091
VALLS ANGLES, ISAAC 3,145,075
VALMET TECHNOLOGIES OY 3,144,906
VALOIS, MAXIME 3,149,323
VALTCHEV, PETER 3,145,403
VALTONEN, ANTTI 3,149,299
VALVOLINE LICENSING AND INTELLECTUAL PROPERTY LLC 3,144,853
VAN DE KERCKHOVE, THOMAS ETIENNE CAMILLE MARIE 3,144,516
VAN DEN BOSCH, MARION TINA JOLIEN 3,148,713
VAN DER MADE, PETER AJ 3,144,898
VAN DER STEEN, ANDRE 3,148,984
VAN DER VELD, RUTGERUS NICOLAAS PIETER MARIA 3,148,942
VAN ESSEN, ADAM 3,148,511
VAN KREVEL, J 3,144,730
VAN LOO, PIETER FOKKO 3,149,309
VAN PINXTEREN, LAURENS ADRIANUS HENDRICUS 3,148,713
VAN WYNGAARDEN, CASE BRYANT 3,148,991
VANDERBILT UNIVERSITY 3,145,278
VAQUER, JORDI 3,148,962
VAQUER, JOSEP LLUIS 3,148,962
VARADHAN, SRIDHARAN 3,149,398
VARIDEL, THIERRY 3,148,645
VARLAKHANOV, ALEXANDER 3,148,849
VAUGHAN, BRIAN 3,149,407
VAZQUEZ, JOSE 3,144,182
VEGGE, ANDREAS 3,144,611
VEGGE, ANDREAS 3,144,618
VELO3D, INC. 3,148,849
VENKATARAMANI, SATHYADEVI 3,148,735
VENKATESWARAN, SRIRAM 3,145,252
VENKATESWARAN, VASUNDARA 3,148,876
VENOSTENT, INC. 3,148,465
VERA VALDES, JUAN FERNANDO 3,149,145
VERBAKEL, JOOST 3,149,120
VERBAKEL, JOOST 3,149,121
VERBAKEL, JOOST 3,149,298
VERCELLESI, MARCO 3,149,378
VERGNOLLE, NATHALIE 3,149,332
VERKER, TAL 3,148,808
VERNDARI, INC. 3,149,390
VERONA PHARMA PLC 3,144,713
VERRY, CAMILLE 3,148,734
VESELY, IVAN 3,148,739
VESTAS WIND SYSTEMS A/S 3,149,108
VESTAS WIND SYSTEMS A/S 3,149,408
VESTAS WIND SYSTEMS A/S 3,149,409
VESTAS WIND SYSTEMS A/S 3,149,422
VETAGRO INTERNATIONAL S.R.L. 3,149,130
VETAGRO INTERNATIONAL S.R.L. 3,149,134
VICTAULIC COMPANY 3,149,015
VIDAKOVIC, MLADEN 3,144,414
VILLANCIO-WOLTER, MARIA 3,148,918
VIRGINIA COMMONWEALTH UNIVERSITY 3,144,430
VIRTUALINE PTY LTD 3,148,753
VISNICK, MELEAN 3,144,603
VITA INCLINATA TECHNOLOGIES, INC. 3,148,446
VLANGOS, CHRISTOPHER N. 3,149,381
VO, ASHLEY A. 3,148,600
VOGELSANG, REGINA 3,144,711
VOGELSANG, REGINA 3,144,716
VOGELSANG, REGINA 3,144,899
VOGES, MATTHIAS 3,144,711
VOGES, MATTHIAS 3,144,716
VOGES, MATTHIAS 3,144,899
VOGT, JORDANNA CHAMON 3,144,908
VOGT, MATTHEW R. 3,145,278
VOHRA, ANMOL 3,144,724
VOLFTSUN, LEV 3,144,190
VOLKOVS, MAKSIMS 3,148,760
VON ITZSTEIN, MARK 3,148,756
VORONKOV, MICHAEL V. 3,149,152
VOYAGER PRODUCTS INC. 3,149,127
VUKOVIC, ALEKSANDER 3,144,844
VUYLSTEKE, BRAM 3,148,924
VUYLSTEKE, BRAM 3,148,928
WAGNER, BRYAN C. 3,144,463
WAGNER, CLAUDIA 3,148,937
WAGNER, ERIK JOHAN 3,149,194
WAGNER, FLORENCE FEVRIER 3,149,096
WAGNER, KARL 3,144,189
WAGNER-HATTLER, LEONIE FLURINA CLAUDE 3,144,840
WAHLBOM, MARIA A.C. 3,149,333
WAI, NORMAN FUNG-MAN 3,144,719
WALES, ROBERT 3,149,117
WALKER, MARY AMELIA 3,149,407
WALL, JONATHAN 3,148,806
WALL, JONATHAN 3,148,809
WALLIS, GREGG 3,148,585
WALTERS, KERRIE E. 3,148,620
WALTERS, KERRIE E. 3,148,977
WALTHER, ANDREAS 3,149,099
WANG, AMY QIU 3,149,194
WANG, BIAO 3,145,380

Index des demandes PCT entrant en phase nationale

WANG, CE 3,144,542
WANG, CHEN 3,144,911
WANG, CHENBO 3,148,769
WANG, FENG 3,149,104
WANG, JING 3,148,851
WANG, MENG 3,135,123
WANG, QUN 3,126,403
WANG, XIAOFANG 3,148,719
WANG, XINYI 3,148,886
WANG, XINYI 3,148,903
WANG, XINYI 3,148,921
WANG, XINYI 3,148,926
WANG, YANRU 3,148,851
WASLEY, JASON 3,148,758
WATKINS, HAROLD J. 3,148,989
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,149,088
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,149,388
WEBBER, DANIEL 3,144,726
WEBER, ANDREAS PAUL MICHAEL 3,148,934
WEBER, ERIC 3,148,500
WEBER, ERIC 3,148,607
WEEDGETS INC. 3,148,985
WEHNER, FLORIAN 3,148,500
WEHNER, FLORIAN 3,148,607
WEIKERT, ROBERT JAMES 3,145,239
WEINHEIMER, MANUEL 3,148,812
WEISS, DAHLIA 3,148,769
WEITZNER, BARRY 3,148,519
WELSH, JEFF 3,148,815
WENDEL, STEPHAN 3,144,414
WENZEL, BJORN 3,149,424
WERTZ, THOMAS 3,148,460
WEST, JAY A.A. 3,149,201
WESTROCK MWV, LLC 3,148,518
WESTROCK MWV, LLC 3,149,185
WESTWOOD, MITCHELL TERRANCE 3,148,500
WESTWOOD, MITCHELL TERRANCE 3,148,607
WHALLEY, BENJAMIN 3,145,369
WHEELER, CRAIG ANTHONY 3,144,735
WHELAN, CHRIS 3,146,931
WHITACRE, JAY 3,148,607
WHITE, GEORGE W. 3,148,470
WHITE, MARK 3,149,093
WHITE, NICHOLAS M. 3,148,839
WILD, MORITZ 3,149,099
WILD, MORITZ 3,149,297
WILDHAGEN, LUKAS 3,144,539
WILLARD, JOSIAH FRANKLIN 3,148,849
WILLIAMS, DAVID C. 3,149,092
WILLIAMS, STEVE 3,145,297
WILLIS, JEFFREY R. 3,145,239
WILSON, IAN 3,148,840
WILSON, JONATHAN E. 3,149,095
WISHNESKI, TODD W. 3,148,789
WOBBEN PROPERTIES GMBH 3,149,138
WODLINGER, BRIAN C. 3,144,769
WOERLEE, GEERT FEYE 3,144,917
WOJCIECHOWSKI, TIMOTHY 3,144,894
WOJESKI, BROOKE 3,148,500
WOJESKI, BROOKE 3,148,607
WONDERLAND SWITZERLAND AG 3,149,329
WONG, EUGENE 3,148,823
WOOD, ARRAN 3,149,108
WOODFORD, WILLIAM HENRY 3,148,500
WOODFORD, WILLIAM HENRY 3,148,607
WOODS, WILLIAM 3,148,860
WRIGHT, MATTHEW 3,148,753
WU, JIANMENG 3,126,399
WU, LIFENG 3,148,778
WU, LIFENG 3,148,779
WU, XIANGMING 3,149,182
WU, YINGHUI 3,144,680
WURMFELD, DAVID 3,144,391
WURTH INTERNATIONAL AG 3,144,539
WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD. 3,149,335
XI, KAI 3,148,778
XI, KAI 3,148,779
XIA, YUFANG 3,148,449
XIAO, QITAO 3,144,542
XIONG, GUANGYAN 3,148,646
XLIFESC, LTD. 3,149,010
XU, DANIAN 3,135,123
XU, JIE 3,148,791
XU, MENG 3,144,554
XU, SHAOHUA 3,148,646
XU, SHUNHONG 3,149,398
XU, XIAOCHEN 3,149,335
XU, XIN 3,149,194
XU, YIXIANG 3,148,646
XU, YIYANG 3,148,646
XUN, GUOLIANG 3,144,542
YADAV, UDAIVIR 3,148,847
YAHYANEJAD, SANAZ 3,148,713
YAMADA, KIKUO 3,144,904
YAN, QING 3,145,107
YAN, XU 3,144,420
YANG, CHITAI C. 3,148,518
YANG, CHITAI C. 3,149,185
YANG, SHU 3,149,104
YANG, SHYH-MING 3,137,870
YANG, WEIWEI 3,145,267
YANG, WEN 3,145,223
YANG, XIN 3,135,123
YAO, CHEN 3,148,505
YAO, KE 3,144,172
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 3,149,379
YEDITEPE UNIVERSITESI 3,148,933
YEGIAZARYAN, ARAM 3,148,849
YI, FANG 3,148,735
YI, ZHENGFANG 3,149,326
YIN, HUIJUN 3,144,420
YIN, ZHANGZHANG 3,148,825
YING-WAH LEE, ANNA 3,148,876
YOKOTA, GEN 3,148,742
YORK POTASH LTD 3,149,116
YOSHIOKA, MAKOTO 3,137,870
YOSHIOKA, SHOHEI 3,148,851
YOTO LIMITED 3,145,093
YOUNG, ALEXANDER 3,148,460
YOUSEF, SARA 3,148,937
YOUSIF, ALI 3,148,454
YU, CHUNXIAO 3,148,505
YU, GUANGWEI 3,148,760
YU, WALTER 3,148,822
YUAN, YUAN 3,148,610
YUN, HONGRUO 3,148,646
ZAKRZEWSKI, PETER ANDREW 3,148,991
ZAMOLO, SUSANNA 3,149,431
ZANELLA, STEFANO 3,149,100
ZAPF, CHRISTOPH W. 3,148,769
ZATREANU, DIANA 3,149,112
ZE, XIAOLEI 3,147,134
ZEIDAN, JOUMANA 3,144,413
ZEMENCHIK, ROBERT A. 3,145,283
ZENG, HAIQIANG 3,144,542
ZER-KAVOD, AMIHAY 3,149,002
ZEU TECHNOLOGIES, INC. 3,149,396
ZHAN, GUODONG 3,148,770
ZHAN, GUODONG 3,149,091
ZHANG, BING 3,133,530
ZHANG, CHAO 3,148,610
ZHANG, CHENXI 3,149,376
ZHANG, HONGBING 3,148,646
ZHANG, JIAN (JAMES) 3,144,734
ZHANG, JIANGFENG 3,149,398
ZHANG, JING 3,148,886
ZHANG, JING 3,148,903
ZHANG, JING 3,148,921
ZHANG, JING 3,148,926
ZHANG, PENGBO 3,148,646
ZHANG, SHIJUN 3,144,430
ZHANG, SHIWEN 3,148,505
ZHANG, TINGHU 3,149,374
ZHANG, XINI 3,149,398
ZHANG, XUGUANG 3,147,134
ZHANG, YINGXU 3,148,725
ZHANG, ZHIFENG 3,133,530
ZHANG, ZHIQIANG 3,135,123
ZHAO, TIANTIAN 3,149,320
ZHAO, XIAOFENG 3,148,881
ZHAO, XINYAN 3,148,881
ZHAO, YONGHONG 3,148,735
ZHAO, ZHONGDONG 3,148,613
ZHONG, CHUNJIU 3,149,107
ZHOU, HONGYING 3,148,754
ZHOU, TAO 3,148,817
ZHOU, WENBO 3,149,326
ZHOU, XIAOJUN 3,149,104
ZHOU, YING 3,148,754
ZHU, GUANGWEI 3,144,536
ZHU, JIANG 3,148,840
ZHU, PEI 3,148,803
ZHU, WEI 3,149,340
ZHUO, YA 3,145,214
ZIMMERMAN, MIKE 3,149,344
ZITELLA VERBICK, LAURA MARIE 3,148,605
ZOLTEK CORPORATION 3,148,782

Index of PCT Applications Entering the National Phase

ZONKER, HARRY R.	3,148,817
ZONNEVILLE, JUSTIN	3,148,767
ZOPPAS, FEDERICO	3,149,100
ZOU, LAN	3,144,719
ZTE CORPORATION	3,144,172
ZTE CORPORATION	3,145,267
ZULIANI, ARNAUD	3,148,928
ZURU (SINGAPORE) PTE. LTD.	3,148,868
ZYMEWORKS INC.	3,144,731
ZYMEWORKS INC.	3,144,734

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

ALI, MOHAMMED M. 3,148,167
ARCHEMIX LLC 3,148,917
ARCTIC CAT INC. 3,147,907
ARLINGHAUS, PAUL R. 3,148,167
AUTOMATIC COATING LIMITED 3,147,833
AYAL, SHARON 3,148,194
BALL CORPORATION 3,148,056
BALLANTYNE, TODD A. 3,148,154
BALLARD, EVAN 3,148,167
BAMFORD, BRAD 3,147,833
BARKER, KENTON, H. 3,147,822
BASAVARAJU, SMITHA 3,147,822
BASSILY, GEORGE 3,147,914
BEAVIS, ANDREW 3,147,907
BEAVIS, RUSSELL H. 3,148,314
BELDEN INC. 3,147,826
BENICHOU, NETANEL 3,147,924
BENNETT, MICHAEL JOHN 3,148,196
BESEHANIC, JAN 3,148,309
BETANCORT, JUAN MANUEL 3,148,196
BIASI, JOHN J. 3,148,154
BLAIR, JEFFREY J. 3,147,986
BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,123,794
BOHLEN, JORG 3,148,133
BOHM, SEBASTIAN 3,148,252
BOIVIN, MATHIEU 3,147,914
BOLOOR, AMOGH 3,148,196
BREEBAART, DIRK J. 3,148,563
BRENNEKE, DOUGLAS DAVID 3,147,826
BRYAN, MORRIS 3,147,960
BUCKMAN, BRAD OWEN 3,147,961
CARBOGNANI, LANTE ANTONIO 3,147,965
CARLSON, DAVID 3,148,050
CARRIER, PHILIPPE 3,148,091
CAS CENTER FOR EXCELLENCE IN MOLECULAR PLANT SCIENCES 3,148,103
CELGENE QUANTICEL RESEARCH, INC. 3,148,196
CENOVUS ENERGY INC. 3,147,965
CHANDRASEKHARA, SURESHA 3,148,167
CHANDRASHEKHAR, GANESAN 3,148,877
CHOW, SEAN A. 3,147,924
CLARK, WILLIAM THOMAS 3,147,826
COMRIE, DOUGLAS C. 3,148,289
COOPER, DAVID M. 3,148,563
D.S., ACHYUTA 3,147,822
DAMON MOTORS INC. 3,148,368
DAOUST, SYLVAIN 3,147,914
DAVIDSON, GRANT A. 3,148,563
DAVIS, ROBERT 3,148,303
DAVIS, ROBERT 3,148,326
DEIR, WALID 3,147,914
DEKA PRODUCTS LIMITED PARTNERSHIP 3,148,154
DEKA PRODUCTS LIMITED PARTNERSHIP 3,148,314
DENTON, MARK 3,148,050
DERENZY, DAVID 3,148,252
DEXCOM, INC. 3,148,252
DIBER, ALEX 3,148,194
DIMET, DOTAN 3,148,194
DOLBY LABORATORIES LICENSING CORPORATION 3,148,563
DUTHIE, NEIL GRAY 3,148,874
DYZE DESIGN INC. 3,148,091
EDWARDS LIFESCIENCES CORPORATION 3,147,924
EMAYAN, KUMARASWAMY 3,147,961
EMMANUEL, EYAL 3,148,194
EPSTEIN, DAVID 3,148,917
EVOGENE LTD. 3,148,194
FAN, KAI-WEI 3,148,877
FAN, LIANG-SHIH 3,148,322
FAN, YUN 3,148,103
FELLAH JAHROMI, ALI 3,147,914
FENTON, GARY L. 3,148,466
FINNELL, SCOTT A. 3,147,986
FISHER & PAYKEL HEALTHCARE LIMITED 3,147,682
FISHER & PAYKEL HEALTHCARE LIMITED 3,148,874
FITZGERALD, ZECHARIAH JAMES 3,148,050
FRAUNHOFER-GELELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV 3,148,963
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 3,148,999
FREDRICKSON, JAMES 3,148,050
FUCHS, GUILLAUME 3,148,963
FUCHS, GUILLAUME 3,148,999
GANG, MICHAEL 3,148,194
GAREIS, GALEN MARK 3,147,826
GATEWOOD, ERIK E. 3,148,056
GELINAS-GUY, MAXENCE 3,148,091
GEYERSBERGER, STEFAN 3,148,963
GEYERSBERGER, STEFAN 3,148,999
GIRAUD, DAMON JAY 3,148,368
GOLD, EVGENIA 3,148,194
GOPALAKRISHNAN, SUBBIAH 3,147,822
GOTO, TOSHIHIRO 3,146,462
GRAY, LARRY B. 3,148,314
GULLIVER, LAURENCE 3,148,874
GUTIERREZ, ISMAEL 3,147,919
HALAC, JASON 3,148,252
HASLAM, RICHARD 3,148,246
HERSCHKOVITZ, YOAV 3,148,194
HIRAKI, YUJI 3,146,462
HOFFERBER, GARY ALAN 3,148,050
HOPKINS, CAROLINE GERALDINE 3,148,874
HUNTER DOUGLAS INDUSTRIES B.V. 3,148,133
HURLBERT, DAVID, J 3,147,822
IDAN, ANAT 3,148,194
INTERMUNE, INC. 3,147,961
INTRA-CELLULAR THERAPIES, INC. 3,148,303
INTRA-CELLULAR THERAPIES, INC. 3,148,326
JASMIN, SIMON 3,147,955
JASMIN, SIMON 3,148,373
JEONG, HONG-SIL 3,147,919
JEONG, HONG-SIL 3,148,149
JEONG, HONG-SIL 3,148,160
JICHI MEDICAL UNIVERSITY 3,146,462
KALDOR, STEPHEN W. 3,148,196
KAMEN, DEAN 3,148,154
KAMEN, DEAN 3,148,314
KANTHARAJU, SWAROOP 3,147,914
KEENAN, RICHARD 3,148,050
KERWIN, JOHN M. 3,148,154
KIM, DANIEL H. 3,123,794
KIM, KYUNG-JOONG 3,148,149
KIM, KYUNG-JOONG 3,148,160
KLINE, DANIEL 3,148,252
KNAPPCO CORPORATION 3,147,986
KURZ, JEFF C. 3,148,917
KWONG, DOMINIQUE 3,148,368
LACY, YONG K. 3,148,167
LEHNER, JACK R. 3,148,167
LEPOUDRE, PHILIP PAUL 3,148,296
LEUNG, RAYMOND C.L. 3,148,368
LI, PENG 3,148,303
LI, PENG 3,148,326
LIEU, PHONG 3,148,252
LIVINGSTON, ADAM 3,148,252
LOPEZ, NOEMI RUIZ 3,148,246
LORD, CHRISTOPHER 3,148,579

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

LUEY, JA-KAEL 3,148,050
LUO, SIWEI 3,148,322
MANI, VIJAYAKUMAR 3,148,167
MANNATTIL, HARIKRISHNAN 3,147,822
MASTERSON, STEVE 3,148,252
MATES, SHARON 3,148,303
MATES, SHARON 3,148,326
MATSUNOBU, TORU 3,148,063
MATSUNOBU, TORU 3,148,065
MERTZ, JOSHUA 3,148,050
MOURAD, ALAIN 3,147,919
MYUNG, SE-HO 3,147,919
MYUNG, SE-HO 3,148,149
MYUNG, SE-HO 3,148,160
NAPIER, JOHNATHAN 3,148,246
NEALE, PAUL 3,148,252
NELSON, MIKAEL A. 3,147,986
NEVO, INBAR 3,148,194
NICHOLAS, JOHN BEAMOND 3,147,961
NICIRA, INC. 3,148,877
NICOVENTURES TRADING LIMITED 3,148,579
NISHI, TAKAHIRO 3,148,063
NISHI, TAKAHIRO 3,148,065
NORTEK AIR SOLUTIONS CANADA, INC. 3,148,296
NOX II, LTD 3,148,289
O'DONNELL, KEVIN PETER 3,147,682
OHHATA, ATSUSHI 3,146,462
OHIO STATE INNOVATION FOUNDATION 3,148,322
ORME, RONALD MERRITT 3,148,050
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,146,462
PALMRE, VILJAR 3,123,794
PANDEY, KAPIL 3,147,986
PC-CUPS LTD. 3,147,965
PENLAND, ERIC VINCENT 3,148,050
PEREIRA ALMAO, PEDRO 3,147,965
PEREZ ZURITA, MARIA JOSEFINA 3,147,965
PFUNDER, DAN 3,148,167
PHILLIPS, MATTHEW A. 3,148,167
PRYOR, JACK 3,148,252
RAMPHAL, JOHNNIE Y. 3,147,961
RAO, AJEYA, S. 3,147,822
RAVELLI, EMMANUEL 3,148,963
RAVELLI, EMMANUEL 3,148,999
RAVINOOTHALA, SREERAM 3,148,877
RAYMONT, JOHN 3,148,050
RONEN, GIL 3,148,194
ROTHAMSTED RESEARCH LTD 3,148,246
ROWE, STANTON J. 3,147,924
SAMSUNG ELECTRONICS CO., LTD. 3,147,919
SAMSUNG ELECTRONICS CO., LTD. 3,148,149
SAMSUNG ELECTRONICS CO., LTD. 3,148,160
SASAI, HISAO 3,148,063
SASAI, HISAO 3,148,065
SAYANOVA, OLGA 3,148,246
SCARPACI, JACOB W. 3,148,154
SCHLAGE LOCK COMPANY LLC 3,147,822
SCHLAGE LOCK COMPANY LLC 3,148,167
SCHNELL, MARKUS 3,148,963
SCHNELL, MARKUS 3,148,999
SEIWERT, SCOTT D. 3,147,961
SHIBAHARA, YOUJI 3,148,063
SHIBAHARA, YOUJI 3,148,065
SHIN, DONG SUK 3,123,794
SHUANG, ZHIWEI 3,148,563
SILES, JOHN L. 3,148,056
SIMPSON, PETER C. 3,148,252
SMITH, RONALD SCOTT 3,147,965
SOSA, CLEMENTINA 3,147,965
STAFFORD, JEFFREY ALAN 3,148,196
STI HOLDINGS, INC. 3,148,466
SUGIO, TOSHIYASU 3,148,063
SUGIO, TOSHIYASU 3,148,065
SYSTEMEX-ENERGIES INC. 3,147,955
SYSTEMEX-ENERGIES INC. 3,148,373
TAGIVAN II LLC 3,148,063
TAGIVAN II LLC 3,148,065
TANIKAWA, KYOKO 3,148,063
TANIKAWA, KYOKO 3,148,065
TERADA, KENGO 3,148,063
TERADA, KENGO 3,148,065
THE NIELSEN COMPANY (US), LLC. 3,148,309
TOMASEK, ADRIAN 3,148,963
TOMASEK, ADRIAN 3,148,999
TOME, ELIZABETH 3,147,914
TOWER GARDEN, LLC 3,147,960
TRANSTEX COMPOSITE INC. 3,147,914
TURNER, JAMES G. 3,148,154
UBACH, ANTONIO 3,148,252
VAN BEURDEN, JASON PETER 3,147,682
VANOVER, KIMBERLY 3,148,303
VANOVER, KIMBERLY 3,148,326
VEAL, JAMES MARVIN 3,148,196
VEOLIA NUCLEAR SOLUTIONS, INC. 3,148,050
VINOCUR, BASIA JUDITH 3,148,194
VITALE-ROJAS, GERARDO 3,147,965
WANG, PINGPING 3,148,103
WEHRLI, ANDREW JOHN 3,147,826
WEI, WEI 3,148,103
WEI, YONGJUN 3,148,103
WENNOGLE, LAWRENCE P. 3,148,303
WENNOGLE, LAWRENCE P. 3,148,326
WHITE, CRAIG KARL 3,147,682
WILSON, RHONDA 3,148,563
YAN, XING 3,148,103
YANG, HYUN-KOO 3,147,919
YANO, TOMONORI 3,146,462
YEN, KUAN-CHIEH 3,148,563
YUN, SUNG-RYUL 3,147,919
ZENG, LIANG 3,148,322
ZHANG, JUN 3,148,103
ZHANG, RONGHUA 3,148,877
ZHOU, ZHIHUA 3,148,103