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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.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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7. 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 February 21, 2023 contains applications open to public inspection from February 5, 2023 to February 11, 2023.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 21 février 2023 contient les demandes disponibles au public pour consultation pour la période du 5 février 2023 au 11 février 2023.

Canadian Patents Issued

February 21, 2023

Brevets canadiens délivrés

21 février 2023

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[54] **PROCEDE DE PRODUCTION DE GLYCOSIDE DE STEVIOL**
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[73] SUNTORY HOLDINGS LIMITED, JP
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[72] CUSTERS, JEROME H.H.V., NL
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[72] WIDJOJOATMODJO, MYRA N., NL
[73] JANSSEN VACCINES & PREVENTION B.V., NL
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[54] **POLYTHERAPIE ANTICANCEREUSE**
[72] KEILHACK, HEIKE, US
[72] KNUTSON, SARAH KATHLEEN, US
[72] KUNTZ, KEVIN WAYNE, US
[73] EPIZYME, INC., US
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[54] **FONCTIONNALITES D'USABILITE POUR SYSTEME D'HUMIDIFICATION RESPIRATOIRE**
[72] STANTON, JAMES WILLIAM, NZ
[72] ANDRESEN, MICHAEL JOHN, NZ
[72] LAMBERT, JONATHAN ANDREW GEORGE, NZ
[72] KLENNER, JASON ALLAN, NZ
[72] SALMON, ANDREW PAUL MAXWELL, NZ
[72] HAMILTON, MARK SAMUEL, NZ
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[54] **VECTEURS VIRAUX POUR LE TRAITEMENT DE LA DYSTROPHIE RETINIENNE**
[72] BIGELOW, CHAD ERIC, US
[72] CHOI, VIVIAN, US
[72] DRYJA, THADDEUS PETER, US
[72] POLICE, SESHIDHAR REDDY, US
[72] MCGEE, TERRI, US
[72] HANKS, SHAWN MICHAEL, US
[72] VROUVLIANIS, JOANNA, US
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[54] **ANTICORPS BISPECIFIQUES REDIRIGES CONTRE DES CELLULES T POUR LE TRAITEMENT DE MALADIES**
[72] CHANG, CHIEN-HSING, US
[72] GOLDENBERG, DAVID M., US
[72] ROSSI, EDMUND A., US
[72] ROSSI, DIANE, US
[73] IBC PHARMACEUTICALS, INC., US
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[54] **DISPOSITIFS HEMOSTATIQUES**
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[72] DUBEY, DINA, US
[73] TELEFLEX LIFE SCIENCES LIMITED, MT
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[54] **HUMIDITY CONTROL IN CHEMICAL REACTORS**
[54] **CONTROLE DE L'HUMIDITE DANS DES REACTEURS CHIMIQUES**
[72] GOH, SHIREEN, SG
[72] RAM, RAJEEV JAGGA, US
[72] LEE, KEVIN SHAO-KWAN, US
[72] CANZONERI, MICHELANGELO, FR
[72] BLUM, HORST, FR
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[73] SANOFI, FR
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[54] **DISPOSITIF DE BIOPSIE AU TROCART**
[72] SHABAZ, MARTIN VICTOR, US
[73] C.R. BARD, INC., US
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[54] **PROTEINES IMMUNOMODULATRICES**
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[73] CSL BEHRING LENGNAU AG, CH
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[54] **INHIBITION DE LA PHOSPHORYLATION DE PRAS40, GSK3-BETA OU P70S6K1 EN TANT QUE MARQUEUR DE L'ACTIVITE INHIBITRICE DE LA KINASE TOR**
[72] XU, WEIMING, US
[72] MORTENSEN, DEBORAH, US
[72] XU, SHUICHAN, US
[72] FULTZ, KIMBERLY ELIZABETH, US
[73] SIGNAL PHARMACEUTICALS, LLC, US
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[54] **USE OF TRYPTASE INHIBITORS IN THE TREATMENT RETINOPATHY OF PREMATURITY**
[54] **UTILISATION D'INHIBITEURS DE TRYPTASE DANS LE TRAITEMENT DE LA FIBROPLASIE RETROCRISTALLINIENNE**
[72] MATSUDA, HIROSHI, JP
[72] TANAKA, AKANE, JP
[73] JAPAN INNOVATIVE THERAPEUTICS, INC., JP
[73] NATIONAL UNIVERSITY CORPORATION TOKYO UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, JP
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[54] **COMPOSITIONS DE PESTICIDE AQUEUX COMPRENANT UN AGENT DE CONTROLE DES DEPOTS GRAS**
[72] GOYAL, RAJESH, US
[72] SHANMUGA, KRISH, US
[73] RHODIA OPERATIONS, FR
[85] 2015-04-22
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[54] **USE OF PALMITOYLETHANOLAMIDE TO DELAY ONSET OF OPIOID TOLERANCE**
[54] **UTILISATION DE PALMITOYLETHANOLAMIDE POUR RETARDER L'APPARITION DE LA TOLERANCE AUX OPIOIDES**
[72] DELLA VALLE, FRANCESCO, IT
[72] DELLA VALLE, MARIA FEDERICA, IT
[72] DI CESARE MANELLI, LORENZO, IT
[72] GHELARDINI, CARLA, IT
[73] EPITECH GROUP S.R.L., IT
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[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER ET D'ATTENUER DES MENACES CONTRE UN SYSTEME DE STOCKAGE DE DONNEES STRUCTURE**
[72] VARSANYI, ERIC, US
[72] ROSENBERG, DAVID, US
[72] PATERSON, CHUCK, US
[72] SCHNETZLER, STEVE, US
[72] RUDDICK, TIMOTHY W., US
[73] IPIVOT, CORP., US
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[54] **METHOD OF DIAGNOSING GALACTOSEMIA IN NEONATAL SCREENING**
[54] **METHODE DE DIAGNOSTIC DE LA GALACTOSEMIE DANS UN CRIBLAGE NEONATAL**
[72] COHEN, ARIEH SIERRA, SE
[73] STATENS SERUM INSTITUT, DK
[85] 2015-05-29
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[54] **ANTICORPS EGFR/C-MET BISPECIFIQUES**
[72] CHIU, MARK, US
[72] MOORES, SHERI, US
[72] NEIJSSEN, JOOST, NL
[72] PARREN, PAUL, NL
[72] SCHUURMAN, JANINE, NL
[73] JANSSEN BIOTECH, INC., US
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[30] US (61/728,912) 2012-11-21
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[72] LOSEE, PETER ALMERN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **COUVERCLES DE BARRES OMNIBUS EN L ISOLANTS ET SYSTEMES ET PROCEDES CONNEXES**
[72] NEWMAN, JOHN ANTHONY, US
[72] SERAJ, MAHMOUD K., US
[72] HILLER, LAURA J., US
[72] BOWLING, DAVID E., US
[73] TE CONNECTIVITY CORPORATION, US
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[54] **FORME GALENIQUE TRANSDERMIQUE POUR PRINCIPE ACTIF A BAS POINT DE FUSION**
[72] SIVARAMAN, ARUNPRASAD, US
[72] SIMMONS, TYLER D., US
[72] FIELDSON, GREGORY T., US
[72] SORENSON, ADAM, US
[72] CORTOPASSI, JEFFREY E., US
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[54] **FRACTURATION ET VOLUMES DE FRACTURE REACTIVEE**
[72] GARCIA-TEIJEIRO, XAVIER, GB
[72] KOUTSABELOULIS, NIKOLAOS CONSTANTINOS, GB
[72] KRZICALLA, FABIAN, GB
[72] RODRIGUEZ-HERRERA, ADRIAN, GB
[72] PENA OLARTE, ANDRES, GB
[72] MINTON, JAMES, GB
[73] SCHLUMBERGER CANADA LIMITED, CA
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[25] EN
[54] **FOOT AND MOUTH DISEASE VIRUS (FMDV) CONSENSUS PROTEINS, CODING SEQUENCES THEREFOR AND VACCINES MADE THEREFROM**
[54] **PROTEINES CONSENSUS DU VIRUS DE LA FIEVRE APHTEUSE (FMDV), SEQUENCES CODANT POUR CELLES-CI ET VACCINS OBTENUS DE CELLES-CI**
[72] WEINER, DAVID B., US
[72] MUTHUMANI, KARUPPIAH, US
[72] YAN, JIAN, US
[72] SARDESAI, NIRANJAN Y., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[73] INOVIO PHARMACEUTICALS, INC., US
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[25] EN
[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES, AND METHODS OF USING SAME FOR INCREASING NITROGEN USE EFFICIENCY OF PLANTS**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ET LEURS PROCEDES D'UTILISATION POUR AUGMENTER L'EFFICACITE D'UTILISATION D'AZOTE DE PLANTES**
[72] SHORESH, MICHAL, IL
[72] KARCHI, HAGAI, IL
[73] EVOGENE LTD., IL
[85] 2015-06-25
[86] 2013-12-19 (PCT/IL2013/051042)
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[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES, CONSTRUCT AND PLANTS COMPRISING SAME AND METHODS OF USING SAME FOR INCREASING NITROGEN USE EFFICIENCY OF PLANTS**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES, CONSTRUCTIONS ET PLANTES COMPRENANT LESDITS POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES ET LEURS PROCEDES D'UTILISATION POUR AUGMENTER L'EFFICAC ITE D'UTILISATION DE L'AZOTE**
[72] ETZIONI, ADI, IL
[72] KARCHI, HAGAI, IL
[73] EVOGENE LTD., IL
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[54] **BOUCLIER THERMIQUE LEGER**
[72] LEHR, BRIAN C., US
[72] BARRALL, JEFFERY L., US
[72] FORRY, JOHN S., US
[73] LYDALL PERFORMANCE MATERIALS (US), INC., US
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[54] **APPARATUS AND METHODS FOR OPTICAL COHERENCE TOMOGRAPHY AND TWO-PHOTON LUMINESCENCE IMAGING**
[54] **APPAREIL ET PROCEDES POUR TOMOGRAPHIE PAR COHERENCE OPTIQUE ET IMAGERIE A LUMINESCENCE A DEUX PHOTONS**
[72] FELDMAN, MARC, US
[72] MILNER, THOMAS, US
[72] WANG, TIANYI, US
[72] PHIPPS, JENNIFER, US
[73] RESEARCH DEVELOPMENT FOUNDATION, US
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[54] **DISPOSITIF CHIRURGICAL ELECTROMECANIQUE A AGENCEMENT A RELAIS DE SIGNAL**
[72] HALL, STEVEN G., US
[72] BABER, DANIEL L., US
[72] LEIMBACH, RICHARD L., US
[73] ETHICON ENDO-SURGERY, INC., US
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[25] EN
[54] **HAFNOCENE CATALYZED POLYETHYLENE FILMS HAVING RAPID CLING DEVELOPMENT**
[54] **FILMS DE POLYETHYLENE CATALYSE PAR UN HAFNOCENE AYANT UN DEVELOPPEMENT D'ADHERENCE RAPIDE**
[72] FARLEY, JAMES M., US
[72] ADETUNJI, PHILIP ADETOKUNBO, AU
[72] MIRAMS, STEPHEN JAMES, AU
[72] BECKTON, GERALD LINDEN, AU
[73] UNIVATION TECHNOLOGIES, LLC, US
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[54] **COMPOSITIONS ET METHODES D'EXPANSION DE CELLULE SOUCHE EPITHELIALE COMPRENANT UN AGONISTE DE WNT ET UN INHIBITEUR D'HISTONE DESACETYLASE**
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[72] SUCCI, MARC DAVID, US
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[72] PORTIER, PHILIPPE, FR
[72] BURON, MARTIAL, FR
[72] DELEHELLE, ADAO, FR
[72] THILLAYS, BRUNO, FR
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[54] **INHIBITEURS D'ARGILE POUR OPERATIONS DE FORAGE, DE FRACTURATION, ET AUTRES**
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[72] NAVARRETE, REINALDO C., US
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[54] **REGULATION DE METABOLISME DE GLUCOSE A L'AIDE D'ANTICORPS ANTI-CGRP**
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[72] ZHANG, RAOYANG, US
[72] CHEN, HUDONG, US
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[72] ANITUA ALDECOA, EDUARDO, ES
[73] BIOTECHNOLOGY INSTITUTE, I MAS D, S.L., ES
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[54] **VECTEURS VIRAUX ADENO-ASSOCIES (AAV) UTILES POUR LA TRANSDUCTION DU TISSU ADIPEUX**
[72] JIMENEZ CENZANO, VERONICA, ES
[72] BOSCH TUBERT, FATIMA, ES
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[72] RINDSBERG, MARK, US
[72] VADEKAR, ASHOK, CA
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[54] **INHIBITEURS DE KDM1A POUR LE TRAITEMENT D'UNE MALADIE**
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[72] RIENHOFF, HUGH YOUNG, JR., US
[72] CLARE, MICHAEL, US
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[54] **SYSTEME AUTOMATISE ET METHODE DE CULTURE DE CELLULES SOUCHES**
[72] CONWAY, MICHAILK, US
[72] GERGER, MICHAEL, US
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[73] INVIVOSCIENCES INC., US
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[54] **ANTICORPS SE LIANT DE FACON SPECIFIQUE A GLP-1R ET SA PROTEINE DE FUSION A GLP-1**
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[72] JING, SHUQIAN, CN
[72] ZHANG, HUA, CN
[72] WANG, XIAOFENG, CN
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[72] O'NEILL, JASON C., US
[72] FOLTZ, IAN NEVIN, CA
[72] KETCHEM, RANDAL R., US
[72] PIASECKI, JULIA C., US
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[54] **COMMUTATEUR DE COMMANDE DE POMPE**
[72] ANDERSON, STEPHEN J., US
[73] MERRILL MANUFACTURING COMPANY, US
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[54] **PROCESS FOR PRODUCING SULFURIC ACID WITH LOW LEVELS OF NITER**
[54] **PROCEDE DE PRODUCTION D'ACIDE SULFURIQUE A FAIBLE TENEUR EN SALPETRE**
[72] DINDI, HASAN, US
[73] MECS, INC., US
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[72] PAUL, SYFKO, US
[73] BELRON INTERNATIONAL LIMITED, GB
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[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES**
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[72] HU, XING, CN
[72] DING, CHIWU, CN
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[54] **DISPOSITIFS MODULAIRES POUR REACTEUR A MICROPLASMA CONTENANT DES MICROCANAUX, MODULES MINIATURES POUR REACTEUR ET DISPOSITIFS DE GENERATION D'OZONE**
[72] EDEN, J. GARY, US
[72] KIM, MIN HWAN, US
[72] CHO, JIN HOON, US
[72] PARK, SUNG-JIN, US
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[54] **IMPLICATION DES CIRCUITS DE LA MOELLE EPINIERE CERVICALE POUR RECREER UN CONTROLE VOLITIF DE LA FONCTION MANUELLE CHEZ DES SUJETS TETRAPLEGIQUES**
[72] LU, DANIEL C., US
[72] EDGERTON, V. REGGIE, US
[72] ROY, ROLAND R., US
[72] GERASIMENKO, YURY, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **VISUAL AND AUDITORY USER NOTIFICATION METHODS FOR SMART-HOME HAZARD DETECTOR**
[54] **PROCEDES D'AVERTISSEMENT VISUEL ET AUDITIF D'UN UTILISATEUR DESTINES A UN DETECTEUR DE DANGER DOMESTIQUE INTELLIGENT**
[72] FADELL, ANTHONY M., US
[72] ROGERS, MATTHEW L., US
[72] SLOO, DAVID, US
[72] VERON, MAXIME, US
[72] LE GUEN, SOPHIE, US
[72] WEBB, NICK, US
[73] GOOGLE LLC, US
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[73] ASEKO, INC., US
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[54] **MESSAGE DE REVEIL DESTINE A UN SYSTEME DE TELEVISION NUMERIQUE**
[72] STEWART, JOHN SIDNEY, US
[72] MUTERSPAUGH, MAX WARD, US
[72] FONTAINE, LOIC, FR
[73] INTERDIGITAL CE PATENT HOLDINGS, FR
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[54] **METHOD OF CHARACTERIZING A TARGET RIBONUCLEIC ACID (RNA) COMPRISING FORMING A COMPLEMENTARY POLYNUCLEOTIDE WHICH MOVES THROUGH A TRANSMEMBRANE PORE**
[54] **PROCEDE DE CARACTERISATION D'UN ACIDE RIBONUCLEIQUE (ARN) CIBLE COMPRENANT LA FORMATION D'UN POLYNUCLEOTIDE COMPLEMENTAIRE TRAVERSANT UN PORE TRANSMEMBRANAIRE**
[72] BROWN, CLIVE GAVIN, GB
[72] TURNER, DANIEL JOHN, GB
[72] WHITE, JAMES, GB
[73] OXFORD NANOPORE TECHNOLOGIES PLC, GB
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[54] **ADENOVIRUS ONCOLYTIQUES POURVUS DE GENES HETEROLOGUES**
[72] CHAMPION, BRIAN ROBERT, GB
[72] BROWN, ALICE CLAIRE NOEL, GB
[72] FISHER, KERRY DAVID, GB
[72] NICOLSON, TAMARA, GB
[73] PSIOXUS THERAPEUTICS LIMITED, GB
[85] 2016-04-19
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[54] **APPARATUS FOR DAMAGING CANCEROUS CELLS UTILIZING RADIO FREQUENCY WAVES IN HEATING WITH HEATING ENHANCED BY INFUSION OR INJECTION OF GLUCOSE**
[54] **APPAREIL SERVANT A ENDOMMAGER DES CELLULES CANCEREUSES AU MOYEN D'ONDES DE FREQUENCES RADIO PAR CHAUFFAGE AU MOYEN DE CHAUFFAGE AMELIORE PAR INFUSION OU INJECTION DE GLUCOSE**
[72] ROSEN, HOWARD, CA
[73] ROSEN, HOWARD, CA
[86] (2929284)
[87] (2929284)
[22] 2016-05-06
[30] US (14/845,804) 2015-09-04

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[25] EN
[54] **MICRO RNA ISOLATION FROM BIOLOGICAL FLUID**
[54] **ISOLEMENT DE MICRO-ARN A PARTIR DE LIQUIDE BIOLOGIQUE**
[72] KREADER, CAROL, US
[73] SIGMA-ALDRICH CO. LLC, US
[85] 2016-05-13
[86] 2014-11-25 (PCT/US2014/067321)
[87] (WO2015/094609)
[30] US (61/909,834) 2013-11-27
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[25] EN
[54] **AUTOTAXIN INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS DE L'AUTOTAXINE**
[72] HUTCHINSON, JOHN HOWARD, US
[72] LONERGAN, DAVID, US
[73] SABRE THERAPEUTICS LLC, US
[85] 2016-05-13
[86] 2014-11-20 (PCT/US2014/066706)
[87] (WO2015/077503)
[30] US (61/907,965) 2013-11-22
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[51] **Int.Cl. B66C 13/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING ROTATIONAL MOVEMENT OF SUSPENDED LOADS**
[54] **METHODE ET SYSTEME POUR CONTROLER LE MOUVEMENT DE ROTATION DE CHARGES SUSPENDUES**
[72] BANG, KNUT E., NO
[73] SAVANT TECH AS, NO
[85] 2016-05-27
[86] 2014-11-28 (PCT/EP2014/075950)
[87] (WO2015/082347)
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[25] EN
[54] **EXCIMER FORMING COMPOUNDS**
[54] **COMPOSES FORMANT DES EXCIMERES**
[72] KRASKOUSKAYA, DZIYANA, CA
[72] GUNNING, PATRICK THOMAS, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2016-06-06
[86] 2014-12-19 (PCT/CA2014/000901)
[87] (WO2015/089639)
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[25] EN
[54] **KIT FOR TAKE AWAY PIZZA**
[54] **KIT POUR PIZZA A EMPORTER**
[72] RIZZO, ARMANDO, IT
[73] FOOD DELIVERY PACKAGING S.R.L., IT
[85] 2016-06-08
[86] 2014-12-09 (PCT/IB2014/002701)
[87] (WO2015/087135)
[30] IT (VA2013A000063) 2013-12-10
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[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/22 (2006.01) F01D 5/30 (2006.01)**
[25] FR
[54] **BLADE FOR A TURBO MACHINE IMPELLER AND METHOD FOR MODELLING THE SAME**
[54] **AUBE POUR ROUE A AUBES DE TURBOMACHINE ET PROCEDE DE MODELISATION DE CELLE-CI**
[72] BENICHOU, SAMI, FR
[72] BARIAUD, CHRISTIAN, FR
[72] DEFLANDRE, STEPHANIE, FR
[72] DIGARD BROU DE CUISSART, SEBASTIEN, FR
[72] HUCHIN, PATRICK EMILIEN PAUL EMILE, FR
[73] SNECMA, FR
[85] 2016-06-16
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[54] **SURGICAL FORCEPS**
[54] **PINCE CHIRURGICALE**
[72] BROOKE, GERARD MICHAEL, GB
[73] BROOKE, GERARD MICHAEL, GB
[85] 2016-06-16
[86] 2013-12-18 (PCT/GB2013/053335)
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[25] EN
[54] **PYRAZOLO[1,5-A]PYRIMIDIN-7-AMINE DERIVATIVES USEFUL IN THERAPY**
[54] **DERIVES DE PYRAZOLO[1,5-A]PYRIMIDINE-7-AMINE UTILES EN THERAPIE**
[72] WESTMAN, JACOB, SE
[73] CUROVIR AB, SE
[85] 2016-06-30
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[25] EN
[54] **AN AEROSOL-GENERATING SYSTEM HAVING A HEATER ASSEMBLY AND A CARTRIDGE FOR AN AEROSOL-GENERATING SYSTEM HAVING A FLUID PERMEABLE HEATER ASSEMBLY**
[54] **SYSTEME DE GENERATION D'AEROSOL COMPORTANT UN ENSEMBLE DE CHAUFFAGE ET CARTOUCHE POUR UN SYSTEME DE GENERATION D'AEROSOL COMPORTANT UN ENSEMBLE DE CHAUFFAGE PERMEABLE AUX FLUIDES**
[72] MIRONOV, OLEG, CH
[72] BATISTA, RUI NUNO, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2016-07-26
[86] 2014-12-15 (PCT/EP2014/077843)
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[25] EN
[54] **THERMAL BATTERY FOR HEATING VEHICLES**
[54] **BATTERIE THERMIQUE PERMETTANT LE CHAUFFAGE DE VEHICULES**
[72] TZIDON, AVIV, IL
[72] YADGAR, AVRAHAM, IL
[73] PHINERGY LTD., IL
[85] 2016-07-28
[86] 2015-02-03 (PCT/IL2015/050117)
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[25] EN
[54] **SUBSTITUTED [1,2,4]TRIAZOLO[1,5-A]PYRIMIDIN-7-YL COMPOUNDS AS PDE2 INHIBITORS**
[54] **COMPOSES DE [1,2,4]TRIAZOLO[1,5-A]PYRIMIDIN-7-YLE SUBSTITUES UTILISABLES EN TANT QU'INHIBITEURS DE PDE2**
[72] BREITENBUCHER, JAMES, US
[72] FREESTONE, GRAEME, US
[72] GOMEZ, LAURENT, US
[72] LEMUS, ROBERT, US
[72] LY, KIEV, US
[72] MCCARRICK, MARGARET, US
[72] VERNIER, WILLIAM, US
[72] VICKERS, TROY, US
[73] DART NEUROSCIENCE (CAYMAN) LTD., KY
[85] 2016-07-29
[86] 2015-04-22 (PCT/US2015/027102)
[87] (WO2015/164508)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 37/04 (2006.01) C07K 14/435 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **FILARIAL NEMATODE VACCINES, POLYPEPTIDES, AND NUCLEIC ACIDS**
[54] **VACCINS CONTRE LES NEMATODES FILARIENS, POLYPEPTIDES ET ACIDES NUCLEIQUES**
[72] MAKEPEACE, BEN, GB
[72] TAYLOR, DAVID, GB
[72] BABAYAN, SIMON, GB
[72] ARMSTRONG, STUART, GB
[72] BLAXTER, MARK, GB
[73] EDINBURGH UNIVERSITY, GB
[73] THE UNIVERSITY OF LIVERPOOL, GB
[85] 2016-08-09
[86] 2015-02-11 (PCT/GB2015/050380)
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[30] GB (1402352.7) 2014-02-11

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[51] **Int.Cl. C09D 7/63 (2018.01)**
[25] EN
[54] **ADHESION PROMOTER COMPOSITIONS FOR CYCLIC OLEFIN RESIN COMPOSITIONS**
[54] **COMPOSITIONS DE PROMOTEUR D'ADHERENCE POUR COMPOSITIONS DE RESINE D'OLEFINE CYCLIQUE**
[72] CRUCE, CHRISTOPHER J., US
[72] EDGECOMBE, BRIAN, US
[72] BOOTHE, PAUL W., US
[72] GIARDELLO, MICHAEL A., US
[73] MATERIA, INC., US
[85] 2016-08-19
[86] 2015-02-25 (PCT/US2015/017548)
[87] (WO2015/130802)
[30] US (61/945,473) 2014-02-27

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[51] **Int.Cl. B66F 11/00 (2006.01) B66F 3/00 (2006.01) F16L 1/06 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **JACK SYSTEM**
[54] **SYSTEME DE CRIC**
[72] GRIBNITZ, KURT GEORG, ZA
[72] VAN DER MERWE, JAN HENDRIK, ZA
[73] KURTJAN JACKS, ZA
[86] (2940340)
[87] (2940340)
[22] 2016-08-25
[30] ZA (2015/07897) 2015-10-23

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[51] **Int.Cl. G01T 1/167 (2006.01) G01T 1/00 (2006.01) G01T 1/161 (2006.01) G21G 1/00 (2006.01) A61M 36/06 (2006.01) G01T 1/24 (2006.01)**
[25] EN
[54] **REAL TIME NUCLEAR ISOTOPE DETECTION**
[54] **DETECTION D'ISOTOPE NUCLEAIRE EN TEMPS REEL**
[72] MCQUAID, JAMES HOWARD, US
[72] NUNN, ADRIAN D., US
[72] STEINMEYER, PAUL ROBERT, US
[73] BRACCO DIAGNOSTICS INC., US
[85] 2016-08-25
[86] 2015-03-13 (PCT/US2015/020461)
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[51] **Int.Cl. A61K 31/445 (2006.01) A61K 31/4168 (2006.01) A61P 23/02 (2006.01)**
[25] EN
[54] **KITS AND METHODS FOR TREATING POST TRAUMATIC STRESS DISORDER (PTSD) AND HOT FLASHES**
[54] **KITS ET PROCEDES POUR LE TRAITEMENT D'UN TROUBLE DE STRESS POST-TRAUMATIQUE (PTSD) ET DE BOUFFEES DE CHALEUR**
[72] LIPOV, EUGENE, US
[73] CAD MEDICAL SOLUTIONS, LLC, US
[85] 2016-09-02
[86] 2015-01-30 (PCT/US2015/013688)
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[51] **Int.Cl. F25J 3/02 (2006.01) F25J 1/00 (2006.01) F28D 7/06 (2006.01) F28D 9/00 (2006.01) F28F 3/14 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER FOR A LIQUEFIED NATURAL GAS FACILITY**
[54] **ECHANGEUR DE CHALEUR POUR UNE INSTALLATION DE GAZ NATUREL LIQUEFIE**
[72] QUALLS, WESLEY R., US
[72] GENTRY, MATTHEW C., US
[72] LEGER, PAULA A., US
[72] BOULANGER, ROBERT L., US
[72] WILSON, STUART L., US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2016-09-02
[86] 2015-02-27 (PCT/US2015/017951)
[87] (WO2015/134313)
[30] US (61/947,797) 2014-03-04
[30] US (14/633,307) 2015-02-27

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[51] **Int.Cl. E01C 13/02 (2006.01) E01C 13/08 (2006.01)**
[25] EN
[54] **SPORTS FIELD STRUCTURE AND METHOD FOR FORMING THE SAME**
[54] **STRUCTURE DE TERRAIN DE SPORT ET PROCEDE DE FORMATION DE CELLE-CI**
[72] VAN RAAM, CAROLUS HERMANUS, NL
[72] SHUTTLEWORTH, ANDREW BRYAN, GB
[72] CULLETON, PAUL DAVID, GB
[73] PERMAVOID LIMITED, GB
[85] 2016-09-09
[86] 2015-03-11 (PCT/EP2015/055032)
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[30] US (14/207,139) 2014-03-12

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[51] **Int.Cl. B65D 75/00 (2006.01) B65D 83/00 (2006.01)**
[25] FR
[54] **PACKAGING**
[54] **CONDITIONNEMENT**
[72] REGNIER, WENAEL, FR
[73] SOCIETE D'EMBALLAGE ET DE CONDITIONNEMENT S.E.M.C.O., MC
[85] 2016-09-15
[86] 2015-03-17 (PCT/EP2015/055586)
[87] (WO2015/140185)
[30] FR (1452203) 2014-03-18

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[51] **Int.Cl. A61K 31/70 (2006.01) A61K 38/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **DIETARY FORMULATION AND METHOD FOR TREATING AUTOIMMUNE AND INFLAMMATORY DISEASES**
[54] **FORMULATION DIETETIQUE ET METHODE DE TRAITEMENT DES MALADIES AUTO-IMMUNITAIRES ET INFLAMMATOIRES**
[72] LONGO, VALTER D., US
[72] CHOI, IN YOUNG, US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2016-09-29
[86] 2015-04-02 (PCT/US2015/024021)
[87] (WO2015/153850)
[30] US (61/974,189) 2014-04-02

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[51] **Int.Cl. F25D 19/00 (2006.01) F25D 11/00 (2006.01) F25D 23/00 (2006.01)**
[25] EN
[54] **REFRIGERATION APPARATUS**
[54] **APPAREIL DE REFRIGERATION**
[72] ESTILL, JIM, CA
[72] HALL, GREGORY ALLAN THOMAS, CA
[72] CUNNINGHAM, BRYAN STUART, CA
[72] O'BRIEN, DENNIS, CA
[73] DANBY PRODUCTS LIMITED, CA
[86] (2944850)
[87] (2944850)
[22] 2016-10-11
[30] US (62/240,555) 2015-10-13

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[51] **Int.Cl. A61B 3/028 (2006.01) A61B 3/00 (2006.01)**
[25] FR
[54] **PHOROPTER, AND METHOD FOR MEASURING REFRACTION USING A PHOROPTOR OF SAID TYPE**
[54] **REFRACTEUR ET PROCEDE DE MESURE DE REFRACTION UTILISANT UN TEL REFRACTEUR**
[72] BOUTINON, STEPHANE, FR
[72] TEJEDOR DEL RIO, VINCENT, FR
[72] NAUCHE, MICHEL, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2016-10-05
[86] 2015-04-07 (PCT/FR2015/050892)
[87] (WO2015/155458)
[30] FR (1453129) 2014-04-08

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[25] EN
[54] **POLYOLEFIN PIPE**
[54] **TUYAU EN POLYOLEFINE**
[72] ERICSSON, JAN, US
[72] MENSSEN, TODD, US
[73] UPONOR INNOVATION AB, SE
[85] 2016-10-11
[86] 2015-04-22 (PCT/EP2015/058663)
[87] (WO2015/162155)
[30] US (61/983,062) 2014-04-23

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[13] C
[51] **Int.Cl. H01B 13/14 (2006.01) H01B 3/30 (2006.01) H01F 27/32 (2006.01)**
[25] EN
[54] **CONTINUOUSLY TRANSPOSED CONDUCTOR**
[54] **CONDUCTEUR CONTINUELLEMENT TRANSPOSE**
[72] LEACH, MATTHEW, US
[72] CAUDILL, GREGORY S., US
[73] ESSEX FURUKAWA MAGNET WIRE USA LLC, US
[85] 2016-10-19
[86] 2015-04-23 (PCT/US2015/027207)
[87] (WO2015/164557)
[30] US (14/260,563) 2014-04-24

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[13] C
[51] **Int.Cl. B65D 55/02 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **TAMPER-EVIDENT CONTAINER AND PROCESS FOR MAKING THE SAME**
[54] **RECIPIENT A PREUVE D'EFFRACTION ET PROCEDE POUR SA REALISATION**
[72] BRESSAN, MICHEL, IT
[73] I.G.B. S.R.L., IT
[85] 2016-10-21
[86] 2015-04-01 (PCT/IB2015/052400)
[87] (WO2015/170203)
[30] IT (MI2014A000812) 2014-05-05
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[25] EN
[54] **CODING RUN VALUES BASED ON PALETTE INDEX IN PALETTE-BASED VIDEO CODING**
[54] **VALEURS D'EXECUTION DE CODAGE BASE SUR UN INDICE DE PALETTE DANS UN SYSTEME DE CODAGE VIDEO BASE SUR UNE PALETTE**
[72] SEREGIN, VADIM, US
[72] JOSHI, RAJAN LAXMAN, US
[72] KARCZEWICZ, MARTA, US
[72] PU, WEI, US
[72] SOLE ROJALS, JOEL, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-10-25
[86] 2015-05-22 (PCT/US2015/032282)
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[30] US (62/002,717) 2014-05-23
[30] US (62/009,772) 2014-06-09
[30] US (62/015,261) 2014-06-20
[30] US (62/019,223) 2014-06-30
[30] US (62/059,659) 2014-10-03
[30] US (62/065,526) 2014-10-17
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[51] **Int.Cl. C05G 3/90 (2020.01)**
[25] EN
[54] **MICROENCAPSULATED NITRIFICATION INHIBITOR COMPOSITION**
[54] **COMPOSITION D'INHIBITEUR DE NITRIFICATION MICRO-ENCAPSULEE**
[72] DAVE, HITESHKUMAR, US
[72] LIU, LEI, US
[72] BOUCHER, RAYMOND E., JR., US
[72] POWELS, GREG, US
[72] WILLIAMS, ALEX, US
[72] BURKHART, MIRIAM, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2016-10-26
[86] 2015-05-01 (PCT/US2015/028843)
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[51] **Int.Cl. H04W 4/16 (2009.01) H04W 4/02 (2018.01) H04N 21/414 (2011.01) H04W 4/90 (2018.01) H04N 7/15 (2006.01) H04W 64/00 (2009.01)**
[25] EN
[54] **MOBILE SECURITY TECHNOLOGY**
[54] **TECHNOLOGIE DE SECURITE MOBILE**
[72] DECHARMS, CHRISTOPHER, US
[73] DECHARMS, CHRISTOPHER, US
[85] 2016-11-03
[86] 2014-05-05 (PCT/US2014/036871)
[87] (WO2014/182638)
[30] US (61/819,575) 2013-05-04
[30] US (61/872,690) 2013-08-31
[30] US (61/924,901) 2014-01-08

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[51] **Int.Cl. C12P 13/22 (2006.01)**
[25] EN
[54] **MICROBIAL APPROACH FOR THE PRODUCTION OF 5-HYDROXYTRYPTOPHAN**
[54] **APPROCHE MICROBIENNE POUR LA PRODUCTION DE 5-HYDROXYTRYPTOPHANE**
[72] YAN, YAJUN, US
[72] LIN, YUHENG, US
[73] BIOTECERA, INC., US
[85] 2016-11-04
[86] 2015-05-14 (PCT/US2015/030811)
[87] (WO2015/175793)
[30] US (61/994,413) 2014-05-16

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[51] **Int.Cl. B09B 3/00 (2022.01) C05F 17/90 (2020.01) B03B 9/06 (2006.01) B09B 5/00 (2006.01) C05F 17/00 (2020.01)**
[25] EN
[54] **METHOD AND PLANT FOR TREATING A MIXTURE OF WASTES WITH TWO COMPOSTING CYCLES**
[54] **METHODE ET USINE DE TRAITEMENT D'UN MELANGE DE DECHETS A DEUX CYCLES DE COMPOSTAGE**
[72] CHARREYRE, FABIEN MICHEL ALAIN, FR
[73] FINANCE DEVELOPPEMENT ENVIRONNEMENT CHARREYRE - FIDEC, FR
[85] 2016-11-22
[86] 2015-05-22 (PCT/FR2015/051371)
[87] (WO2015/177486)
[30] FR (14 54696) 2014-05-23

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[54] **CONFIGURATIONS AND METHODS OF DEWATERING CRUDE OIL**
[54] **CONFIGURATIONS ET PROCEDES DE DESHYDRATATION DE PETROLE BRUT**
[72] RODWELL, MORGAN CHARLES, CA
[73] FLUOR TECHNOLOGIES CORPORATION, US
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[30] US (62/005,164) 2014-05-30

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[25] EN
[54] **DEVICE AND METHOD FOR MEASURING A PHYSICAL MAGNITUDE OF A FLUID FLOW**
[54] **DISPOSITIF ET PROCEDE DE MESURE D'UNE GRANDEUR PHYSIQUE D'UN ECOULEMENT DE FLUIDE**
[72] PLACKO, DOMINIQUE, FR
[72] RIVOLLET, ALAIN, FR
[72] BORE, THIERRY, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] ECOLE NORMALE SUPERIEURE DE CACHAN, FR
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[25] EN
[54] **IMPROVED DETERGENT COMPOSITION**
[54] **COMPOSITION DE DETERGENT AMELIOREE**
[72] AL-BAYATI, ALIAS, DE
[72] KAMMERER, GERHARD, DE
[72] DITTMANN, SABRINA, DE
[73] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2016-11-24
[86] 2015-06-01 (PCT/GB2015/051589)
[87] (WO2015/181570)
[30] GB (1409632.5) 2014-05-30

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[54] **A WATER-COOLED INTERNAL COMBUSTION ENGINE**
[54] **MOTEUR A COMBUSTION INTERNE A REFROIDISSEMENT PAR EAU**
[72] DOVERI, STEFANO, IT
[73] PIAGGIO & C. S.P.A., IT
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[54] **EX VIVO ORGAN CARE SYSTEM**
[54] **SYSTEME DE SOINS D'ORGANES EX VIVO**
[72] HASSANEIN, WALEED H., US
[72] KHAYAL, TAMER I., US
[72] ELBETANONY, AHMED, US
[72] BARNES, JEFF, US
[72] RITCHIE, GREG, US
[72] BRINGHAM, RICHARD, US
[72] ANDERSON, MARK, US
[72] SULLIVAN, JOHN, US
[73] TRANSMEDICS, INC., US
[85] 2016-11-29
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[25] EN
[54] **SOLID HERBICIDAL COMPOSITIONS CONTAINING A SAFENER**
[54] **COMPOSITIONS HERBICIDES SOLIDES CONTENANT UN PHYTOPROTECTEUR**
[72] HERCAMP, JOSEPH C., US
[72] LI, MEI, US
[72] SHAO, HUI, US
[72] SHEN, HAO, US
[72] ZHANG, HONG, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2016-12-01
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[54] **METHOD FOR RECOVERING LIPIDS FROM MICROBIAL BIOMASS**
[54] **METHODE DE RECUPERATION DE LIPIDES A PARTIR D'UNE BIOMASSE MICROBIENNE**
[72] HEISKA, ARTO, FI
[72] PASANEN, JUKKA-PEKKA, FI
[72] MALM, ANNIKA, FI
[73] NESTE OYJ, FI
[85] 2016-12-01
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[54] **RATE CONTROL FOR WIRELESS COMMUNICATION**
[54] **CONTROLE DE DEBIT POUR DES COMMUNICATIONS SANS FIL**
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] HE, LINHAI, US
[72] ATTAR, RASHID AHMED AKBAR, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-12-14
[86] 2015-06-11 (PCT/US2015/035248)
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[25] EN
[54] **STEREOCHEMICALLY ENRICHED COMPOSITIONS FOR DELIVERY OF NUCLEIC ACIDS**
[54] **COMPOSITIONS ENRICHIES STEREOCHIMIQUEMENT POUR L'ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] DEROSA, FRANK, US
[72] KARVE, SHRIRANG, US
[72] HEARTLEIN, MICHAEL, US
[73] TRANSLATE BIO, INC., US
[85] 2016-12-16
[86] 2015-06-24 (PCT/US2015/037392)
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[30] US (62/016,512) 2014-06-24

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[25] EN
[54] **TARPAULIN STRUCTURE**
[54] **STRUCTURE A BACHE**
[72] REMMEL, ROGER, DE
[73] EUROPEAN TRAILER SYSTEMS GMBH, DE
[85] 2016-12-19
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[25] EN
[54] **VARIABLE ANGLE LOCKING ROTATION CORRECTION PLATE**
[54] **PLAQUE DE CORRECTION DE ROTATION DE VERROUILLAGE A ANGLE VARIABLE**
[72] HASHMI, ADAM, US
[72] KELLY, LYNN, US
[72] TOUHALISKY, DANEEN, US
[72] FISCHER, THOMAS J., US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2016-12-19
[86] 2015-06-18 (PCT/US2015/036326)
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[25] EN
[54] **AROMATIC HETEROCYCLIC DERIVATIVES AND PHARMACEUTICAL APPLICATIONS THEREOF**
[54] **DERIVES HETEROCYCLIQUES AROMATIQUES ET LEURS APPLICATIONS PHARMACEUTIQUES**
[72] ZHANG, YINGJUN, CN
[72] JIN, CHUANFEI, CN
[72] ZHONG, WENHE, CN
[72] CHEN, KANGZHI, CN
[72] GAO, LI, CN
[72] LIU, RUNZHI, CN
[72] ZHANG, JI, CN
[73] SUNSHINE LAKE PHARMA CO., LTD., CN
[85] 2016-12-20
[86] 2015-07-08 (PCT/CN2015/083605)
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[51] **Int.Cl. G01N 15/10 (2006.01) G01N 15/14 (2006.01)**
[25] FR
[54] **FLOW CYTOMETRY ASSEMBLY AND SYSTEM, ANALYSING DEVICE COMPRISING SUCH A CYTOMETRY ASSEMBLY AND ASSEMBLY COMPRISING SUCH A CYTOMETRY SYSTEM**
[54] **SYSTEME ET ENSEMBLE DE CYTOMETRIE EN FLUX, DISPOSITIF D'ANALYSE COMPRENANT UN TEL ENSEMBLE DE CYTOMETRIE ET ENSEMBLE COMPRENANT UN TEL SYSTEME DE CYTOMETRIE**
[72] ROUSSEAU, ALAIN, FR
[73] ARTEION, FR
[85] 2016-12-20
[86] 2015-06-23 (PCT/FR2015/051677)
[87] (WO2016/001522)
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[51] **Int.Cl. B23K 35/362 (2006.01) B23K 1/00 (2006.01) B23K 35/02 (2006.01) H05K 3/34 (2006.01)**
[25] EN
[54] **SOLDER FLUX**
[54] **FLUX DE BRASAGE**
[72] RYDER, KARL, GB
[72] BALLANTYNE, ANDREW, GB
[72] HARRIS, ROBERT, GB
[72] ZALESKI, CHRISTOPHER, GB
[73] UNIVERSITY OF LEICESTER, GB
[85] 2016-12-02
[86] 2015-06-05 (PCT/GB2015/051655)
[87] (WO2015/185946)
[30] GB (1410093.7) 2014-06-06

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[13] C
[51] **Int.Cl. G01L 1/10 (2006.01) G01C 15/00 (2006.01) G01D 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR THE MEASUREMENT OF ANGULAR AND/OR LINEAR DISPLACEMENTS UTILIZING ONE OR MORE FOLDED PENDULA**
[54] **PROCEDE POUR LA MESURE DE DEPLACEMENTS AUGULAIRES ET/OU LINEAIRES AU MOYEN D'UN OU DE PLUSIEURS PENDULE(S) REPLIE(S)**
[72] BARONE, FABRIZIO, IT
[72] ACERNESE, FAUSTO, IT
[72] GIORDANO, GERARDO, IT
[73] UNIVERSITA DEGLI STUDI DI SALERNO, IT
[85] 2017-01-04
[86] 2015-08-04 (PCT/IT2015/000194)
[87] (WO2016/020947)
[30] IT (RM2014A000460) 2014-08-06

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[51] **Int.Cl. G08B 13/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADAPTIVELY CONTROLLING ALARM ISSUANCE**
[54] **SYSTEMES ET PROCEDES POUR LA COMMANDE ADAPTATIVE D'EMISSION D'ALERTE**
[72] SOTO, MANUEL A., US
[72] BERGMAN, ADAM SCOT, US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2017-01-16
[86] 2015-06-05 (PCT/US2015/034469)
[87] (WO2015/191395)
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[30] US (14/485,030) 2014-09-12

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[51] **Int.Cl. A61L 31/14 (2006.01) A61L 31/08 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **COATED BALLOONS AND COATED BALLOON ASSEMBLIES AND RELATED METHODS OF USE AND MANUFACTURE**
[54] **BALLONNETS REVETUS ET ENSEMBLES BALLONNETS REVETUS ET PROCEDES ASSOCIES D'UTILISATION ET DE FABRICATION**
[72] HOPKINSON, AARON J., US
[72] WIERSDORF, JASON MATTHEW, US
[73] MERIT MEDICAL SYSTEMS, INC., US
[85] 2017-01-23
[86] 2015-09-24 (PCT/US2015/051842)
[87] (WO2016/049262)
[30] US (62/055,384) 2014-09-25

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[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL CABLE AND MANUFACTURING METHOD**
[54] **CABLE OPTIQUE ET PROCEDE DE FABRICATION**
[72] SALES CASALS, LLUIS-RAMON, IT
[72] BONICEL, JEAN-PIERRE, IT
[73] PRYSMIAN S.P.A., IT
[85] 2017-01-31
[86] 2014-08-12 (PCT/EP2014/067268)
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[51] **Int.Cl. G08B 13/24 (2006.01) G01S 13/76 (2006.01)**
[25] EN
[54] **AUTOMATIC SELECTIVE DAMPING OF A RESONANT ANTENNA**
[54] **AMORTISSEMENT SELECTIF AUTOMATIQUE D'UNE ANTENNE RESONANTE**
[72] PADULA, GUILLERMO H., US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2017-01-31
[86] 2015-07-10 (PCT/US2015/039901)
[87] (WO2016/010845)
[30] US (62/025,057) 2014-07-16
[30] US (14/485,946) 2014-09-15

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[51] **Int.Cl. G21K 5/08 (2006.01) H05H 6/00 (2006.01)**
[25] EN
[54] **CONTAINER, METHOD FOR OBTAINING SAME AND TARGET ASSEMBLY FOR THE PRODUCTION OF RADIOISOTOPES USING SUCH A CONTAINER**
[54] **CONTENEUR, SON PROCEDE D'OBTENTION, ET ENSEMBLE DE CIBLE POUR LA PRODUCTION DE RADIO-ISOTOPES UTILISANT UN TEL CONTENEUR**
[72] CONARD, MILO, BE
[73] NANOMARKER SPRL, BE
[85] 2017-01-05
[86] 2015-07-09 (PCT/EP2015/065687)
[87] (WO2016/005492)
[30] BE (BE2014/0551) 2014-07-10

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[25] EN
[54] **GENETIC TARGETING IN NON-CONVENTIONAL YEAST USING AN RNA-GUIDED ENDONUCLEASE**
[54] **CIBLAGE GENETIQUE DANS UNE LEVURE NON CLASSIQUE A L'AIDE D'UNE ENDONUCLEASE GUIDEE PAR ARN**
[72] FRISCH, RYAN, US
[72] FAN, XIAOCHUN, US
[72] HONG, SEUNG-PYO, US
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2017-02-08
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[30] US (62/036,652) 2014-08-13

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[51] **Int.Cl. G01V 1/32 (2006.01)**
[25] EN
[54] **JOINT INVERSION OF COMPRESSIONAL AND SHEAR SEISMIC DATA IN NATIVE TIME DOMAINS**
[54] **INVERSION CONJOINTE DE DONNEES SISMIQUES DE COMPRESSION ET DE CISAILLEMENT DANS DES DOMAINES TEMPORELS NATIFS**
[72] ROURE, BENJAMIN, FR
[73] CGG SERVICES SA, FR
[85] 2017-02-09
[86] 2015-08-18 (PCT/IB2015/001554)
[87] (WO2016/027156)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PYRROLOPYRIMIDINE DERIVATIVES AS NR2B NMDA RECEPTOR ANTAGONISTS**
[54] **DERIVES DE PYRROLOPYRIMIDINE A TITRE D'ANTAGONISTES DES RECEPTEURS NMDA NR2B**
[72] SHAPIRO, GIDEON, US
[73] RUGEN HOLDINGS (CAYMAN) LIMITED, KY
[85] 2017-02-09
[86] 2015-09-15 (PCT/US2015/050267)
[87] (WO2016/044323)
[30] US (62/050,692) 2014-09-15

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[51] **Int.Cl. G02C 7/10 (2006.01) A41D 13/11 (2006.01) A61F 9/04 (2006.01)**
[25] EN
[54] **TRANSPARENT DISPLAY WITH EYE PROTECTION**
[54] **PRESENTOIR TRANSPARENT OFFRANT UNE PROTECTION DES YEUX**
[72] O'CONNELL, DANNY J., US
[72] MCDAVITT, DANIEL L., US
[72] PARKER, JAMES S., US
[72] TRIPATHI, SANJAY, US
[73] L3 TECHNOLOGIES, INC., US
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[87] (2958496)
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[51] **Int.Cl. E21B 29/00 (2006.01) B08B 9/093 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ACCESS AND REMEDIATION OF HYDROCARBON STORAGE TANKS**
[54] **PROCEDE ET APPAREIL POUR ACCEDER A DES CUVES DE STOCKAGE D'HYDROCARBURES ET POUR PROCEDER A LEUR REHABILITATION**
[72] DONALD, IAN, GB
[72] REID, JOHN, GB
[73] ENPRO SUBSEA LIMITED, GB
[85] 2017-02-23
[86] 2015-08-25 (PCT/GB2015/052448)
[87] (WO2016/030670)
[30] GB (1415031.2) 2014-08-25

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[25] EN
[54] **AIRCRAFT TIRE PRESSURE SENSOR RESONANT LOOP LINK**
[54] **LIAISON DE BOUCLES RESONANTES DE CAPTEUR DE PRESSION DE PNEU D'AERONEF**
[72] LAMPING, JEFF, US
[72] GONIODSKY, IGAL, US
[73] ELDEC AEROSPACE CORP., US
[85] 2017-02-23
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[25] EN
[54] **DISTRIBUTION OF COINS IN BAGS**
[54] **DISTRIBUTION DE PIECES DE MONNAIE DANS DES SACS**
[72] SJOSTROM, ANDERS, SE
[73] SCAN COIN AB, SE
[85] 2017-03-10
[86] 2015-09-14 (PCT/SE2015/050961)
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[51] **Int.Cl. H02G 3/32 (2006.01) F16L 3/04 (2006.01) F16L 3/06 (2006.01)**
[25] EN
[54] **UNIVERSAL MOUNTING CLIP FOR SIGNAL-CARRYING CABLES**
[54] **CLIP DE MONTAGE UNIVERSEL POUR CABLES DE TRANSPORT DE SIGNAL**
[72] LAWRENCE, MICHAEL E., US
[72] HANSON, BRIAN K., US
[73] PPC BROADBAND, INC., US
[85] 2017-03-13
[86] 2015-09-14 (PCT/US2015/050019)
[87] (WO2016/040950)
[30] US (62/049,460) 2014-09-12

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[51] **Int.Cl. G21F 5/12 (2006.01) B25B 7/22 (2006.01) B25B 7/00 (2006.01)**
[25] EN
[54] **SEALING CONTAINER AND METHOD OF USE**
[54] **RECIPIENT DE SCELLAGE ET PROCEDE D'UTILISATION**
[72] HAEPERS, JOSEPH, US
[72] FARELLA, RALPH, US
[73] LANTHEUS MEDICAL IMAGING, INC., US
[85] 2017-03-13
[86] 2015-10-02 (PCT/US2015/053724)
[87] (WO2016/057328)
[30] US (62/060,291) 2014-10-06

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[13] C
[51] **Int.Cl. B63B 21/10 (2006.01) B63B 21/18 (2006.01) B63B 21/50 (2006.01)**
[25] FR
[54] **FAIRLEAD INTENDED TO ENGAGE WITH AN ANCHOR CHAIN, FOR A SYSTEM FOR ANCHORING A FLOATING INSTALLATION TO THE GROUND**
[54] **CHAUMARD DESTINE A COOPERER AVEC UNE CHAINE D'ANCRAGE, POUR UN SYSTEME D'ANCRAGE AU SOL D'UNE INSTALLATION FLOTTANTE**
[72] BUSSON, PHILIPPE, FR
[73] NOV-BLM, FR
[85] 2017-03-17
[86] 2015-09-18 (PCT/FR2015/052504)
[87] (WO2016/042274)
[30] FR (1458854) 2014-09-19

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[51] **Int.Cl. A45F 3/02 (2006.01) A45F 3/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE CARRY BAG**
[54] **SAC DE TRANSPORT REGLABLE**
[72] COLEMAN, ANTHONY, US
[73] COLEMAN, ANTHONY, US
[85] 2017-03-21
[86] 2015-09-14 (PCT/US2015/050040)
[87] (WO2016/044184)
[30] US (14/492,025) 2014-09-21

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[13] C
[51] **Int.Cl. C10G 2/00 (2006.01) B01J 29/40 (2006.01)**
[25] EN
[54] **FORMING LIGHT HYDROCARBONS**
[54] **FORMATION D'HYDROCARBURES LEGERS**
[72] MALEK, ANDRZEJ, US
[72] DAVIDIAN, THOMAS, NL
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-03-21
[86] 2015-09-21 (PCT/US2015/051234)
[87] (WO2016/048900)
[30] US (62/053,922) 2014-09-23

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[51] **Int.Cl. G06Q 10/0832 (2023.01) G06Q 50/06 (2012.01) G06Q 10/30 (2023.01)**
[25] EN
[54] **SYSTEMS AND COMPUTER IMPLEMENTED METHODS FOR MONITORING AN ACTIVITY AT ONE OR MORE FACILITIES**
[54] **SYSTEMES ET PROCEDES MIS EN OEUVRE PAR ORDINATEUR POUR SURVEILLER UNE ACTIVITE AU NIVEAU D'UNE OU PLUSIEURS INSTALLATIONS**
[72] MOFARDIN, EDDY, AU
[72] BUTLER, LUKE, AU
[72] PUCOVSKI, CLAIRE, AU
[72] BLINMAN, ADRIAN, AU
[73] SOUTH EAST WATER CORPORATION, AU
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[30] AU (2014904243) 2014-10-23

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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR INJECTION**
[54] **COMPOSITION PHARMACEUTIQUE POUR INJECTION**
[72] TANAKA, SATOSHI, JP
[72] NAKATANI, TOMOMI, JP
[73] SUMITOMO PHARMA CO., LTD., JP
[85] 2017-03-24
[86] 2015-09-26 (PCT/JP2015/077223)
[87] (WO2016/047797)
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[54] **BIOMASS SOLID FUEL**
[54] **COMBUSTIBLE A BASE DE BIOMASSE SOLIDE**
[72] HAYASHI, SHIGEYA, JP
[72] AMANO, HIROSHI, JP
[72] OOI, NOBUYUKI, JP
[72] HIRAIWA, YUUSUKE, JP
[73] MITSUBISHI UBE CEMENT CORPORATION, JP
[85] 2017-03-27
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[25] EN
[54] **NON-MEAT FOOD PRODUCTS HAVING APPEARANCE AND TEXTURE OF COOKED MEAT**
[54] **PRODUITS ALIMENTAIRES NON CARNES AYANT L'ASPECT ET LA TEXTURE DE LA VIANDE CUITE**
[72] CULLY, KEVIN J., US
[72] BERENDS, PIETER, DE
[72] TROTTET, GREGORY W., CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2017-03-28
[86] 2015-10-06 (PCT/IB2015/057644)
[87] (WO2016/055940)
[30] US (62/062,275) 2014-10-10

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[25] EN
[54] **AN INHALABLE RAPAMYCIN FORMULATION FOR THE TREATMENT OF PULMONARY HYPERTENSION**
[54] **FORMULATION DE RAPAMYCINE INHALABLE POUR LE TRAITEMENT DE L'HYPERTENSION PULMONAIRE**
[72] ARMER, THOMAS, US
[72] MELVIN, LAWRENCE S. JR., US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[73] AI THERAPEUTICS, INC., US
[85] 2017-03-29
[86] 2015-10-07 (PCT/US2015/054550)
[87] (WO2016/057712)
[30] US (62/060,988) 2014-10-07
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[25] EN
[54] **THERMALLY EXPANDABLE COMPOSITIONS**
[54] **COMPOSITIONS THERMO-EXPANSIBLES**
[72] KOHLSTRUNG, RAINER, DE
[72] RAPPMANN, KLAUS, DE
[73] HENKEL AG & CO. KGAA, DE
[85] 2017-04-13
[86] 2015-10-07 (PCT/EP2015/073139)
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[25] EN
[54] **RECEPTION APPARATUS, TRANSMISSION APPARATUS, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE RECEPTION, DISPOSITIF DE TRANSMISSION, ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] KITAZATO, NAOHISA, JP
[72] IGARASHI, TATSUYA, JP
[72] YAMAGISHI, YASUAKI, JP
[73] SONY CORPORATION, JP
[85] 2017-04-13
[86] 2015-10-21 (PCT/JP2015/079646)
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[30] JP (2014-219660) 2014-10-28

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[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 27/447 (2006.01) G01N 27/453 (2006.01)**
[25] EN
[54] **EFFICIENT OPTICAL ANALYSIS OF POLYMERS USING ARRAYS OF NANOSTRUCTURES**
[54] **ANALYSE OPTIQUE EFFICACE DE POLYMERES AU MOYEN DE RESEAUX DE NANOSTRUCTURES**
[72] HUBER, MARTIN, US
[72] DAVIDSON, STUART, US
[73] QUANTAPORE, INC., US
[85] 2017-04-13
[86] 2015-10-23 (PCT/US2015/057245)
[87] (WO2016/065339)
[30] US (62/068,599) 2014-10-24

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[51] **Int.Cl. A61B 5/07 (2006.01) A61B 1/04 (2006.01) A61B 5/06 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL PILL DEVICE WITH LOCALIZATION CAPABILITIES**
[54] **DISPOSITIF DE PILULES ELECTROMECANIQUES AVEC CAPACITES DE LOCALISATION**
[72] JONES, MITCHELL LAWRENCE, CA
[72] LABBE, ALAIN, CA
[72] DRLIK, MARK SASHA, CA
[72] PROCH MCMECHAN, CHRISTIAN TERRY, CA
[73] BIORA THERAPEUTICS, INC., US
[85] 2017-03-23
[86] 2015-09-25 (PCT/US2015/052500)
[87] (WO2016/049602)
[30] US (62/055,244) 2014-09-25

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[51] **Int.Cl. C08K 5/1515 (2006.01) C08J 3/18 (2006.01) C08L 27/06 (2006.01)**
[25] EN
[54] **PLASTICIZER COMPOSITIONS AND METHODS FOR MAKING PLASTICIZER COMPOSITIONS**
[54] **COMPOSITIONS DE PLASTIFIANT ET PROCEDES DE PREPARATION DE COMPOSITIONS DE PLASTIFIANT**
[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] MUNDRA, MANISH, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-04-18
[86] 2015-10-14 (PCT/US2015/055482)
[87] (WO2016/069266)
[30] US (62/068,864) 2014-10-27

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[51] **Int.Cl. B01J 2/12 (2006.01)**
[25] EN
[54] **COATING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE D'ENROBAGE**
[72] MOHAMMED, AFZAL-UR-RAHMAN, GB
[72] DAHMASH, EMAN, GB
[72] AHMED, JITEEN, GB
[72] DREW, THOMAS, GB
[73] ASTON UNIVERSITY, GB
[85] 2017-04-20
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[25] FR
[54] **METHOD FOR DETECTING DEFECTIVE PIXELS.**
[54] **PROCEDE DE DETECTION DE PIXELS DEFECTUEUX.**
[72] MALTESE, DOMINIQUE, FR
[72] OUDINOT, MATHIEU, FR
[72] PERDRIAU, QUENTIN, FR
[72] DEVICHI, THOMAS, FR
[73] SAFRAN ELECTRONICS & DEFENSE SAS, FR
[85] 2017-04-20
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[87] (WO2016/071461)
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[25] EN
[54] **DERIVATIVES OF 2-(1,2,4-TRIAZOL-3-YLSULFANYL)-N-1,3,4-THIADIAZOL-2-YL ACETAMIDE WHICH ARE USEFUL FOR THE TREATMENT OF INTER ALIA DIABETES**
[54] **DERIVES DE 2-(1,2,4-TRIAZOL-3-YLSULFANYL)-N-1,3,4-THIADIAZOL-2-YLE ACETAMIDE, UTILES POUR TRAITER, ENTRE AUTRES, LE DIABETE**
[72] RUTZLER, MICHAEL, SE
[72] BRIMERT, THOMAS, SE
[72] DREISCH, KLAUS, SE
[72] EVENAS, JOHAN, SE
[72] LARSSON, JOAKIM, SE
[73] APOGLYX AB, SE
[85] 2017-04-26
[86] 2015-10-28 (PCT/EP2015/075007)
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[25] EN
[54] **OPHTHALMIC COMPOSITION**
[54] **COMPOSITION OPHTALMIQUE**
[72] BAI, MINGGI, US
[72] HOLEVA, KENNETH T., US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2017-04-26
[86] 2015-10-29 (PCT/US2015/057959)
[87] (WO2016/069845)
[30] US (62/073,488) 2014-10-31
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[54] **BLUNT TIP BONE SCREW**
[54] **VIS A OS A POINTE EMOUSSEE**
[72] BALES, JOEL PATRICK, US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2017-04-27
[86] 2015-10-29 (PCT/US2015/057925)
[87] (WO2016/073259)
[30] US (62/075,021) 2014-11-04

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[51] **Int.Cl. A45B 19/02 (2006.01)**
[25] EN
[54] **UMBRELLAS WITH INFLATABLE PORTIONS**
[54] **PARAPLUIES A PARTIES GONFLABLES**
[72] HANDWERKER, NEIL, US
[72] BAILEY, KEVIN, CA
[72] HAATS, TIM, CA
[72] HENDERSON, JAMES, CA
[73] THE HANDWERKER UMBRELLA COMPANY LLC, US
[85] 2017-05-01
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[87] (WO2016/073295)
[30] US (62/074,995) 2014-11-04

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[51] **Int.Cl. G01N 27/49 (2006.01)**
[25] EN
[54] **AMPEROMETRIC CHLORINE SENSOR**
[54] **CAPTEUR DE CHLORE AMPEROMETRIQUE**
[72] HOWES, RONALD BRUCE, US
[72] KILAWEE, PATRICK HENRY, US
[72] KADLEC, LEONARD JOHN, US
[73] ECOLAB USA INC., US
[85] 2017-05-03
[86] 2015-10-28 (PCT/US2015/057741)
[87] (WO2016/073248)
[30] US (14/535,523) 2014-11-07

[11] **2,966,800**
[13] C
[51] **Int.Cl. C07D 233/24 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SYNTHESIS OF COPANLISIB AND ITS DIHYDROCHLORIDE SALT**
[54] **SYNTHESE DU COPANLISIB ET DE SON DIHYDROCHLORURE**
[72] PETERS, JAN-GEORG, DE
[72] RUBENBAUER, PHILIPP, DE
[72] GOTZ, DANIEL, DE
[72] GROSSBACH, DANJA, DE
[72] MAIS, FRANZ-JOSEF, DE
[72] SCHIRMER, HEIKO, DE
[72] STIEHL, JUERGEN, DE
[72] LOVIS, KAI, DE
[72] LENDER, ANDREAS, DE
[72] SEYFRIED, MARTIN, CH
[72] ZWEIFEL, THEODOR, CH
[72] MARTY, MAURUS, CH
[72] WEINGARTNER, GUNTER, CH
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2017-05-04
[86] 2015-11-05 (PCT/EP2015/075789)
[87] (WO2016/071435)
[30] EP (14192203.9) 2014-11-07

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[51] **Int.Cl. B25B 13/54 (2006.01) B25B 13/50 (2006.01)**
[25] EN
[54] **SPANNER WRENCH**
[54] **CLE POUR CONTRE-ECROU**
[72] KEGG, ANGEL J., US
[72] WRIGHT, JAMES A., US
[73] HORIZON SYSTEMS MACHINING, INC., US
[86] (2967023)
[87] (2967023)
[22] 2017-05-12
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[11] **2,967,229**
[13] C
[51] **Int.Cl. F16K 1/44 (2006.01)**
[25] EN
[54] **DELUGE VALVE WITH VALVE SEAT DRAIN**
[54] **VANNE DE NOYAGE COMPORTANT UN DRAIN DE SIEGE DE VANNE**
[72] WEINGARTEN, ZVI, IL
[73] BERMAD CS LTD., IL
[85] 2017-05-10
[86] 2015-11-16 (PCT/IL2015/051101)
[87] (WO2016/075698)
[30] US (62/080,359) 2014-11-16

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[51] **Int.Cl. E05B 73/00 (2006.01)**
[25] EN
[54] **SECURITY TAG**
[54] **ETIQUETTE DE SECURITE**
[72] LUO, DANHUI, US
[73] SENSORMATIC ELECTRONICS LLC, US
[85] 2017-05-10
[86] 2015-10-08 (PCT/US2015/054723)
[87] (WO2016/057807)
[30] US (62/062,402) 2014-10-10
[30] US (14/548,585) 2014-11-20

[11] **2,967,370**
[13] C
[51] **Int.Cl. E21B 23/08 (2006.01) E21B 23/04 (2006.01) E21B 23/10 (2006.01)**
[25] EN
[54] **MONOPROPELLANT DRIVEN HYDRAULIC PRESSURE SUPPLY**
[54] **ALIMENTATION DE PRESSION HYDRAULIQUE ENTRAINEE PAR MONERGOL**
[72] COPPEDGE, CHARLES DON, US
[72] REEVES, JOSEPH, US
[72] RAMAKRISHNAN, JAYANT, US
[72] HERNANDEZ, JORGE, US
[73] BASTION TECHNOLOGIES, INC., US
[85] 2017-05-10
[86] 2015-11-16 (PCT/US2015/060930)
[87] (WO2016/077836)
[30] US (62/079,895) 2014-11-14

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[13] C
[51] **Int.Cl. G03F 1/62 (2012.01) G03F 1/00 (2012.01) G03F 7/20 (2006.01)**
[25] EN
[54] **APPARATUS**
[54] **APPAREIL**
[72] VAN DER MEULEN, FRITS, NL
[72] JANSEN, MAARTEN MATHIJS MARINUS, NL
[72] AZEREDO LIMA, JORGE MANUEL, NL
[72] BROUNS, DERK SERVATIUS GERTRUDA, NL
[72] BRUIJN, MARC, NL
[72] DEKKERS, JEROEN, NL
[72] JANSSEN, PAUL, NL
[72] KRAMER, RONALD HARM GUNTHER, NL
[72] KRUIZINGA, MATTHIAS, NL
[72] LANSBERGEN, ROBERT GABRIEL MARIA, NL
[72] LEENDERS, MARTINUS HENDRIKUS ANTONIUS, NL
[72] LOOPSTRA, ERIK ROELOF, NL
[72] VAN DEN BOSCH, GERRIT, NL
[72] VAN LOO, JEROME FRANCOIS SYLVAIN VIRGILE, NL
[72] VERBRUGGE, BEATRIJS LOUISE MARIE-JOSEPH KATRIEN, NL
[72] DE KLERK, ANGELO CESAR PETER, NL
[72] DINGS, JACOBUS MARIA, NL
[72] JANSSEN, MAURICE LEONARDUS JOHANNES, NL
[72] KERSTENS, ROLAND JACOBUS JOHANNES, NL
[72] KESTERS, MARTINUS JOZEF MARIA, NL
[72] LOOS, MICHEL, NL
[72] MIDDEL, GEERT, NL
[72] REIJNDERS, SILVESTER MATHEUS, NL
[72] THEUERZEIT, FRANK JOHANNES CHRISTIAAN, NL
[72] VAN LIEVENOOGEN, ANNE JOHANNES WILHELMUS, NL
[73] ASML NETHERLANDS B.V., NL
[85] 2017-05-17
[86] 2015-11-16 (PCT/EP2015/076688)
[87] (WO2016/079052)
[30] US (62/080,561) 2014-11-17
[30] US (62/108,348) 2015-01-27
[30] US (62/110,841) 2015-02-02
[30] US (62/126,173) 2015-02-27
[30] US (62/149,176) 2015-04-17
[30] US (62/183,342) 2015-06-23

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[13] C
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[25] EN
[54] **ELECTROTHERMAL ENERGY STORAGE SYSTEM AND AN ASSOCIATED METHOD THEREOF**
[54] **SYSTEME DE STOCKAGE D'ENERGIE ELECTROTHERMIQUE**
[72] KALRA, CHIRANJEEV SINGH, US
[72] PETER, ANDREW MAXWELL, US
[72] SHISLER, ROGER ALLEN, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2017-05-18
[86] 2015-11-19 (PCT/US2015/061458)
[87] (WO2016/126300)
[30] US (14/554,081) 2014-11-26

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[13] C
[51] **Int.Cl. A61K 49/22 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **MULTIMODAL ULTRASOUND AND PHOTOACOUSTIC CONTRAST AGENT BASED ON POLYMERIC MICROPARTICLES**
[54] **AGENT DE CONTRASTE PHOTO-ACOUSTIQUE ET ULTRASONORE MULTIMODAL BASE SUR DES MICROPARTICULES DE POLYMERE**
[72] KIESSLING, FABIAN, DE
[72] LAMMERS, TWAN, NL
[72] NYONGAMSEN, STANLEY FOKONG, DE
[72] SUPPELT, KATRIN, DE
[73] RHEINISCH-WESTFALISCHE TECHNISCHE HOCHSCHULE (RWTH) AACHEN, DE
[85] 2017-05-24
[86] 2015-11-26 (PCT/EP2015/077827)
[87] (WO2016/083533)
[30] EP (14194967.7) 2014-11-26

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[13] C
[51] **Int.Cl. F22B 1/02 (2006.01) F22B 37/00 (2006.01) F22B 37/10 (2006.01) F22B 37/70 (2006.01) G21C 1/32 (2006.01) G21D 1/00 (2006.01) G21C 13/036 (2006.01) G21C 13/04 (2006.01)**
[25] EN
[54] **STEAM GENERATOR WITH INCLINED TUBE SHEET**
[54] **GENERATEUR DE VAPEUR A PLAQUE TUBULAIRE INCLINEE**
[72] LISZKAI, TAMAS, US
[73] NUSCALE POWER, LLC, US
[85] 2017-05-24
[86] 2015-11-11 (PCT/US2015/060173)
[87] (WO2016/130186)
[30] US (14/618,701) 2015-02-10

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[51] **Int.Cl. C10M 163/00 (2006.01) C10M 129/16 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITION CONTAINING AN OXYALKYLATED HYDROCARBYL PHENOL**
[54] **COMPOSITION LUBRIFIANTE CONTENANT UN PHENOL HYDROCARBYLE OXYALKYLE**
[72] ZHANG, YANSHI, US
[73] THE LUBRIZOL CORPORATION, US
[85] 2017-06-02
[86] 2015-12-03 (PCT/US2015/063573)
[87] (WO2016/090065)
[30] US (62/086,818) 2014-12-03

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[13] C
[51] **Int.Cl. A61L 27/04 (2006.01) A61K 9/00 (2006.01) A61L 27/30 (2006.01) A61L 27/54 (2006.01) C01D 15/00 (2006.01) C01F 5/00 (2006.01)**
[25] EN
[54] **ULTRAHIGH DUCTILITY MG-LI BASED ALLOYS FOR BIOMEDICAL APPLICATIONS**
[54] **ALLIAGES A BASE DE MG-LI A TRES GRANDE DUCTILITE POUR DES APPLICATIONS BIOMEDICALES**
[72] KUMTA, PRASHANT N., US
[72] WU, JINGYAO, US
[72] VELIKOKHATNYI, OLEG, US
[73] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2017-06-20
[86] 2015-12-09 (PCT/US2015/064694)
[87] (WO2016/094510)
[30] US (62/090,939) 2014-12-12

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[25] EN
[54] **ANTIMICROBIAL TRANSPARENT PLASTIC IN THE FORM OF FILM OR EXTRUDED SHAPE**
[54] **PLASTIQUE TRANSPARENT ANTIMICROBIEN SOUS FORME DE PELLICULE OU SOUS FORME EXTRUDEE**
[72] NITTI, MICHAEL CHRISTOPHER, CA
[72] ROLFE, THOMAS AGNEW, CA
[72] PETERSON, EDWARD R., US
[73] NITTI, MICHAEL CHRISTOPHER, CA
[73] ROLFE, THOMAS AGNEW, CA
[73] PETERSON, EDWARD R., US
[86] (2970030)
[87] (2970030)
[22] 2017-06-09
[30] US (62/348,025) 2016-06-09

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[13] C
[51] **Int.Cl. B23C 5/20 (2006.01) B23C 5/06 (2006.01)**
[25] EN
[54] **RAMPING INSERT AND HIGH-FEED MILLING TOOL ASSEMBLY**
[54] **INSERT EN RAMPE ET ENSEMBLE OUTIL DE FRAISAGE A VITESSE ELEVEE**
[72] HECHT, GIL, IL
[72] DAGAN, DANNY, IL
[73] ISCAR LTD., IL
[85] 2017-06-07
[86] 2015-11-29 (PCT/IL2015/051162)
[87] (WO2016/103248)
[30] US (14/580,821) 2014-12-23

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[54] **EVACUATION DE DEBRIS POUR ROBOTS DE NETTOYAGE**
[72] MORIN, RUSSELL WALTER, US
[72] BOESCHENSTEIN, HAROLD, US
[72] BURSAL, FARUK, US
[72] GRACE, CHRIS, US
[73] IROBOT CORPORATION, US
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[54] **TRICYCLIC IMIDAZO-PYRIMIDINONE COMPOUNDS FOR THE MEDIATION OF LIPOPROTEIN-ASSOCIATED PHOSPHOLIPASE A2**
[54] **COMPOSES D'IMIDAZO-PYRIMIDINONE TRICYCLIQUES POUR LA MEDIATION DE LA PHOSPHOLIPASE A2 ASSOCIEE AUX LIPOPROTEINES**
[72] WAN, ZEHONG, CN
[72] ZHANG, XIAOMIN, CN
[72] WANG, JIAN, CN
[72] SENDER, MATTHEW ROBERT, US
[72] MANAS, ERIC STEVEN, US
[72] RIVERO, RAPHAEL ANTHONY, US
[72] PERO, JOSEPH E., US
[72] NEIPP, CHRISTOPHER ERNST, US
[72] PATEL, VIPULKUMAR KANTIBHAI, GB
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[54] **PROCEDE DE SEPARATION DE GAZ**
[72] LI, GANG, AU
[72] MAY, ERIC FREEMANTLE, AU
[72] WEBLEY, PAUL ANTHONY, AU
[72] HUANG, STANLEY HSING-WEI, US
[72] CHAN, KAMAN IDA, US
[73] GAS CAPTURE TECHNOLOGIES PTY LTD, AU
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[54] **CADRE D'AMORTISSEUR**
[72] KARNS, JESSE, US
[73] MITEK USA, INC., US
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[54] **METHOD FOR PRODUCING PRESTRESSED STRUCTURES AND STRUCTURAL PARTS BY MEANS OF SMA TENSION ELEMENTS, AND STRUCTURE AND STRUCTURAL PART EQUIPPED THEREWITH**
[54] **PROCEDE POUR LA REALISATION D'OUVRAGES DE CONSTRUCTION ET D'ELEMENTS DE CONSTRUCTION PRECONTRAINTS AU MOYEN D'ELEMENTS DE TRACTION SMA ET OUVRAGE DE CONSTRUCTION ET ELEMENT DE CON STRUCTION AINSI EQUIPE**
[72] MOTAVALLI, MASOUD, CH
[72] WEBER, BENEDIKT, CH
[72] LEE, WOOKIJN, CH
[72] BRONNIMANN, ROLF, CH
[72] CZADERSKI, CHRISTOPH, CH
[72] LEINENBACH, CHRISTIAN, CH
[72] MICHELS, JULIEN, CH
[72] SHAHVERDI, MOSLEM, CH
[73] RE-FER AG, CH
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[54] **REMPLACEMENT A EFFRACTION MINIMALE DE VALVULE MITRALE COMPRENANT UN REBORD**
[72] LIM, HOU-SEN, SG
[72] GOTZ, WOLFGANG, DE
[73] VENUS MEDTECH (HANGZHOU), INC., CN
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[54] **CONCEPTION D'UNE PARTIE AVANT DE NAVIRE**
[72] MOEN, ROAR JOHAN, NO
[73] RASMUSSEN MARITIME DESIGN AS, NO
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[54] **METHODS, SYSTEMS, AND COMPUTER PROGRAM PRODUCTS FOR MANAGING MULTIPLE DRUG PRODUCT PACKAGING SYSTEMS USING A COMMON DATABASE MANAGEMENT SYSTEM**
[54] **METHODES, SYSTEMES ET PRODUITS DE PROGRAMME INFORMATIQUE SERVANT A GERER DES SYSTEMES D'EMBALLAGE DE PRODUIT RENFERMANT PLUSIEURS MEDICAMENTS AU MOYEN D'UN SYSTEME DE GESTION DE BASE DE DONNEES COMMUNE**
[72] BLALOCK, COLLIN D., US
[72] CRISTOBAL, BRIAN, US
[72] OWEN, GARY M., US
[72] LONGLEY, MARK, US
[73] PARATA SYSTEMS, LLC, US
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[54] **SYSTEMS AND METHODS FOR APPLYING REDUCED PRESSURE THERAPY**
[54] **SYSTEMES ET PROCEDES POUR APPLIQUER UNE THERAPIE A PRESSION REDUITE**
[72] CARR, RAYMOND, US
[72] GREGORY, WILLIAM W., US
[72] QUINTANAR, FELIX C., GB
[73] SMITH & NEPHEW, INC., US
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[72] HELMS, MARTIN, DE
[72] LIESS, MARTIN, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **CAPTEURS INDUCTIFS DE DEPLACEMENT**
[72] MANIOULOUX, YOHAN, FR
[72] REGACHE, PASCAL, FR
[73] HUTCHINSON, FR
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[54] **JOINT D'ETANCHEITE POUR UNE BATTERIE DE PILES A COMBUSTIBLE**
[72] HORIMOTO, TAKAYUKI, JP
[72] YUI, HAJIME, JP
[73] NOK CORPORATION, JP
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[54] **MULTI FLUID DRILLING SYSTEM**
[54] **SYSTEME DE FORAGE A FLUIDES MULTIPLES**
[72] STRANGE, WARREN, GB
[72] SPEER, IAN, AU
[73] STRADA DESIGN LIMITED, GB
[85] 2017-07-07
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[54] **HUILES DE LIGNINE SOLUBLES DANS DU GAZOLE ET LEURS PROCEDES DE PRODUCTION**
[72] BACHMANN NIELSEN, JOACHIM, DK
[72] JENSEN, ANDERS, NO
[72] DEGN JENSEN, ANKER, DK
[73] DANMARKS TEKNISKE UNIVERSITET, DK
[73] UNIVERSITY OF COPENHAGEN, DK
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[54] **WORK VEHICLE START SYSTEM AND METHOD WITH ENGINE CYCLING**
[54] **SYSTEME DE DEMARRAGE DE VEHICULE DE TRAVAIL ET METHODE DE CYCLE MOTEUR**
[72] WATSON, DANIEL D., US
[72] HORSTMAN, NATHAN J., US
[73] DEERE & COMPANY, US
[86] (2974082)
[87] (2974082)
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[54] **COMPOSITION AND METHOD FOR TREATMENT OF STAINS IN TEXTILES**
[54] **COMPOSITION ET PROCEDE POUR LE TRAITEMENT DE TACHES SUR DES TEXTILES**
[72] CHRISTENSEN, STEPHEN B., US
[72] BULL, JESSICA R., US
[72] WEEKS, KIRSTEN M., US
[72] LOCK, DAWN N., US
[72] PHAM, JOANNA AI, US
[73] ECOLAB USA INC., US
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[54] **DERIVES DE 4H-PYRROLO[3,2-C]PYRIDIN-4-ONE**
[72] GRAHAM, KEITH, DE
[72] KLAR, ULRICH, DE
[72] BRIEM, HANS, DE
[72] SCHULZE, VOLKER, DE
[72] SIEMEISTER, GERHARD, DE
[72] LIENAU, PHILIP, DE
[72] TEMPEL, RENE, DE
[72] BALINT, JOZSEF, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **ANTIBODY MOLECULES AND PEPTIDE DELIVERY SYSTEMS FOR USE IN ALZHEIMER'S DISEASE AND RELATED DISORDERS**
[54] **MOLECULES D'ANTICORPS ET SYSTEMES D'ADMINISTRATION PEPTIDIQUES DESTINES A ETRE UTILISES DANS LA MALADIE D'ALZHEIMER ET AUTRES TROUBLES APPARENTES**
[72] VOLKER CORTE-REAL, SOFIA, PT
[72] SANTOS NEVES, VERA LUISA, PT
[72] CORREIA CANHAO, PEDRO MANUEL, PT
[72] FLEMING OUTEIRO, TIAGO, PT
[72] RICO BOTAS CASTANHO, MIGUEL AUGUSTO, PT
[72] CASTANHEIRA AIRES DA SILVA, FREDERICO NUNO, PT
[72] SANTIAGO DE OLIVEIRA, SORAIA RAFAELA, PT
[73] TECHNOPHAGE, INVESTIGACAO E DESENVOLVIMENTO EM BIOTECNOLOGIA, SA, PT
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[54] **SYSTEMS AND METHODS FOR GENERATING LIQUID WATER FROM AIR**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'EAU LIQUIDE A PARTIR DE L'AIR**
[72] FRIESEN, CODY, US
[72] SWITZER, ELISE, US
[72] LORZEL, HEATH, US
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
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[54] **SIMULTANEOUS CHARACTERIZATION OF IGG AND IGA ANTIBODIES TO MULTIPLE FOOD ANTIGENS AND C1Q-FOOD PROTEIN IMMUNE COMPLEXES**
[54] **CARACTERISATION SIMULTANEE D'ANTICORPS IGG ET IGA A DE MULTIPLES ANTIGENES ALIMENTAIRES ET COMPLEXES IMMUNS A LA PROTEINE ALIMENTAIRE C1Q**
[72] VOJDANI, ARISTO, US
[73] CYREX LABORATORIES, LLC, US
[85] 2017-07-27
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[54] **COMT INHIBITING METHODS AND COMPOSITIONS**
[54] **PROCEDES D'INHIBITION DE LA COMT ET COMPOSITIONS ASSOCIEES**
[72] BARROW, JAMES, US
[72] ERNST, GLEN, US
[72] HUANG, YIFANG, US
[72] BUCHLER, INGRID, US
[72] WEINBERGER, DANIEL, US
[73] LIEBER INSTITUTE FOR BRAIN DEVELOPMENT, US
[85] 2017-07-28
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[54] **ALUMINIUM SMELTER AND METHOD TO COMPENSATE FOR A MAGNETIC FIELD CREATED BY THE CIRCULATION OF THE ELECTROLYSIS CURRENT OF SAID ALUMINIUM SMELTER**
[54] **ALUMINERIE ET PROCEDE DE COMPENSATION D'UN CHAMP MAGNETIQUE CREE PAR LA CIRCULATION DU COURANT D'ELECTROLYSE DE CETTE ALUMINERIE**
[72] BARDET, BENOIT, FR
[72] RENAUDIER, STEEVE, FR
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2017-08-04
[86] 2016-02-05 (PCT/IB2016/000120)
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[54] **SYSTEMS AND METHODS FOR NATURAL LANGUAGE QUESTION ANSWERING AND ANALYSIS**
[54] **SYSTEMES ET PROCEDES POUR L'ANALYSE ET LA REPONSE A DES QUESTIONS EN LANGAGE NATUREL**
[72] SCHILDER, FRANK, US
[72] SMILEY, CHARESE, US
[72] SONG, DEZHAO, US
[72] BREW, CHRISTOPHER, GB
[73] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2017-08-04
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[25] EN
[54] **QUASI PROGRESSIVE LENSES FOR EYEWEAR**
[54] **VERRES QUASI-PROGRESSIFS POUR ARTICLE DE LUNETTERIE**
[72] GIL, YOTAM, IL
[72] GLESER, LIRON, IL
[72] CARMON, YUVAL, IL
[72] SHUR, ALEX, IL
[73] SHAMIR OPTICAL INDUSTRY LTD., IL
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[30] US (61/938,029) 2014-02-10
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[25] EN
[54] **METHOD FOR PREPARING INHIBITED STARCH WITH IMPROVED WAREHOUSE STORAGE STABILITY**
[54] **PROCEDE DE PREPARATION D'AMIDON INHIBE PRESENTANT UNE STABILITE AU STOCKAGE AMELIOREE**
[72] BRYNOLF, MIKAEL, SE
[72] SAMUELSSON, MATHIAS, SE
[72] STAHL, AKE, SE
[73] SVERIGES STARKELSEPRODUCENTER, FORENING U.P.A., SE
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[25] FR
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[54] **PROCEDE DE FABRICATION D'UNE AUBE DE TURBOMACHINE EN MATERIAU COMPOSITE**
[72] MARSAL, DAVID, FR
[72] ROUSSILLE, CLEMENT, FR
[72] BLACHIER, JEREMY, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-08-16
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[54] **PATE ELECTROCONDUCTRICE POUR LA FORMATION D'UNE ELECTRODE DE CELLULE SOLAIRE**
[72] KANASAKU, TADASHI, JP
[72] NISHIMURA, KOUSUKE, JP
[72] KURAHASHI, MASAYUKI, JP
[73] SHOEI CHEMICAL INC., JP
[85] 2017-08-17
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[25] EN
[54] **VERTICAL ELECTRIC COOKER AND SMOKER AND SMOKE BOX**
[54] **CUISEUR ELECTRIQUE VERTICAL, FUMOIR ET BOITE A FUMEE**
[72] DIXON, WILLIAM A., US
[72] ABDALLAH, SLEIMAN ASSAAD, US
[72] MCQUAGG, MARK STEPHEN, US
[73] W.C. BRADLEY CO., US
[85] 2017-08-17
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[25] FR
[54] **ANTENNA REFLECTOR IN PARTICULAR FOR SPACECRAFT**
[54] **REFLECTEUR D'ANTENNE, EN PARTICULIER POUR ENGIN SPATIAL**
[72] LOUIS, AUDREY-MARINE, FR
[72] RAULT, REGIS, FR
[72] VEILLERAUD, FREDERIC, FR
[73] ARIANEGROUP SAS, FR
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[54] **IMPLANT OCULAIRE A ELUTION DE MEDICAMENT**
[72] HAFFNER, DAVID, US
[72] CURRY, KEN, US
[72] HEITZMANN, HAROLD, US
[72] APPLEGATE, DAVID, US
[73] DOSE MEDICAL CORPORATION, US
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[54] **HINGED WALL PROFILE DOOR**
[54] **PORTE PROFILEE MURALE PENDUE**
[72] MIRONCHUK, VADYM, US
[72] LIEB, BRIAN, US
[72] MINKOVICH, MICHAEL, US
[73] BATH AUTHORITY LLC DBA DREAMLINE, US
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[54] **IMPLANT CONFIGURED FOR HAMMERTOE AND SMALL BONE FIXATION**
[54] **IMPLANT CONCU POUR ORTEIL EN MARTEAU ET FIXATION DE PETIT OS**
[72] FINLEY, ADAM, US
[72] HOEPPNER, JACY, US
[72] STONE, KEVIN, US
[73] BIOMET C.V., US
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[54] **METHOD FOR PRODUCING STRUCTURED SURFACES AND ARTICLES STRUCTURED IN SUCH A WAY**
[54] **PROCEDE DE REALISATION DE SURFACES STRUCTUREES ET OBJETS AINSI STRUCTURES**
[72] BECKER-WEIMANN, KLAUS, DE
[72] FANDREY, JENS, DE
[73] KLEBCHEMIE M. G. BECKER GMBH & CO. KG, DE
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[25] EN
[54] **REDUCED VOLUME ELECTROCHLORINATION CELLS AND METHODS OF MANUFACTURING SAME**
[54] **CELLULES D'ELECTROCHLORATION A VOLUME REDUIT ET LEURS PROCEDES DE FABRICATION**
[72] GRIFFIS, JOSHUA W., US
[72] LIANG, LI-SHIANG, US
[72] BEDDOES, PAUL, GB
[72] GREEN, ANDREW, GB
[72] DUKES, SIMON, US
[72] TELEPCIAK, JACOB, US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
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[25] EN
[54] **A SPECIFIC TRIFLUOROETHYL QUINOLINE ANALOGUE FOR USE IN THE TREATMENT OF SJOGREN'S SYNDROME**
[54] **ANALOGUE DE TRIFLUOROETHYL QUINOLINE SPECIFIQUE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU SYNDROME DE SJOGREN**
[72] ALLEN, RODGER ANTHONY, GB
[72] BARONE, FRANCESCA, GB
[72] FAHY, WILLIAM ANTHONY, GB
[72] NAYAR, SABA, GB
[73] UCB BIOPHARMA SPRL, BE
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[25] EN
[54] **POLYMER MODIFIED ASPHALT FOR INDUSTRIAL APPLICATIONS**
[54] **ASPHALTE MODIFIE PAR UN POLYMERE DESTINE A DES APPLICATIONS INDUSTRIELLES**
[72] TIBAH, DENIS MUKI, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
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[25] EN
[54] **USE OF ISOTHIOCYANATE DERIVATIVES AS MODULATORS OF PERIPHERAL AND NEUROPATHIC PAIN**
[54] **UTILISATION DE DERIVES D'ISOTHIOCYANATE EN TANT QUE MODULATEURS DE LA DOULEUR PERIPHERIQUE ET NEUROPATHIQUE**
[72] MORAZZONI, PAOLO, IT
[72] IORI, RENATO, IT
[73] INDENA S.P.A., IT
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[54] **POLYMER COMPOSITION, MOLDED ARTICLE, AND METHOD OF MANUFACTURING THE MOLDED ARTICLE**
[54] **COMPOSITION POLYMERE, ARTICLE MOULE, ET PROCEDE DE FABRICATION DE L'ARTICLE MOULE**
[72] HYUN, SONG WON, KR
[72] KIM, IN, KR
[72] PANG, KYEONG, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[25] EN
[54] **CO-CRYSTAL COMPOSITION AND ITS PHARMACEUTICAL USE**
[54] **COMPOSITION DE CO-CRISTAUX ET SON UTILISATION PHARMACEUTIQUE**
[72] LIU, XIAOZHONG, US
[73] SYN-NAT PRODUCTS ENTERPRISE LLC, US
[85] 2017-10-19
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[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/20 (2006.01)**
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[54] **ARTIFICIAL VENTILATION APPARATUS ABLE TO DELIVER VENTILATION AND MONITORING WHICH ARE SPECIFIC TO THE PATIENTS RECEIVING CARDIAC MASSAGE**
[54] **APPAREIL DE VENTILATION ARTIFICIELLE APTE A DELIVRER UNE VENTILATION ET UN MONITORAGE SPECIFIQUES AUX PATIENTS RECEVANT UN MASSAGE CARDIAQUE**
[72] JACQUOT, ERIC, FR
[72] RIGOLLOT, MARCEAU, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[73] AIR LIQUIDE MEDICAL SYSTEMS, FR
[85] 2017-10-23
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[25] EN
[54] **COMPOSITE MATERIAL HAVING IMPROVED MECHANICAL PROPERTIES AT ELEVATED TEMPERATURES**
[54] **MATERIAU COMPOSITE AYANT DES PROPRIETES MECANIQUES AMELIOREES A DES TEMPERATURES ELEVEES**
[72] LAURIN, JEAN-ALAIN, CA
[72] PARSON, NICHOLAS C., CA
[72] ROUX, MARIO, CA
[72] CHEN, XIAO-GUANG, CA
[72] LIU, KUN, CA
[73] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
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[25] EN
[54] **RIVASTIGMINE-CONTAINING SUSTAINED-RELEASE PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE A LIBERATION PROLONGEE CONTENANT DE LA RIVASTIGMINE**
[72] PARK, SANG GEUN, KR
[72] SHIN, HYE GYEONG, KR
[72] BAE, JEONG WOO, KR
[72] CHOI, HYUN JU, KR
[73] NAVIPHARM CO., LTD., KR
[85] 2017-10-27
[86] 2016-04-27 (PCT/KR2016/004380)
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[25] EN
[54] **LOCKSET WITH CYLINDER INTEGRITY SENSOR**
[54] **SERRURE COMPLETE AVEC CAPTEUR D'INTEGRITE DE CYLINDRE**
[72] TOBIAS, MARC, US
[72] BLUZMANIS, TOBIAS, US
[72] BLOOM, MARK S., US
[72] LIN, JAMES, US
[73] SPECTRUM BRANDS, INC., US
[85] 2017-11-01
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[30] US (62/156,511) 2015-05-04
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[51] **Int.Cl. F24F 3/14 (2006.01) B01D 53/26 (2006.01)**
[25] EN
[54] **REVERSE FLOW DEHUMIDIFIER AND METHODS OF OPERATING THE SAME**
[54] **DESHUMIDIFICATEUR A FLUX INVERSE ET METHODES D'EXPLOITATION ASSOCIEES**
[72] PETERSON, THOMAS R., US
[73] CLIMATE BY DESIGN INTERNATIONAL, INC., US
[86] (2984840)
[87] (2984840)
[22] 2017-11-07
[30] US (62/419523) 2016-11-09

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[54] **FLEXIBLY PLANNED KITTED KNEE PROTOCOL**
[54] **PROTOCOLE DE GENOU EN KIT PLANIFIE DE FACON FLEXIBLE**
[72] BROWN, DAVID R., US
[72] UTHGENANNT, BRIAN, US
[72] METZGER, ROBERT, US
[73] BIOMET MANUFACTURING, LLC, US
[85] 2017-11-09
[86] 2016-05-27 (PCT/US2016/034719)
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[30] US (62/167,591) 2015-05-28

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[25] EN
[54] **IMPROVED METHOD FOR PRODUCING A SANDWICH METAL PART HAVING A NON-DEVELOPABLE SHAPE**
[54] **PROCEDE AMELIORE DE FABRICATION D'UNE PIECE METALLIQUE DU TYPE SANDWICH PRESENTANT UNE FORME NON-DEVELOPPABLE**
[72] PICAUT, GWENAEL, FR
[73] HALCYON, FR
[85] 2017-11-15
[86] 2016-05-19 (PCT/EP2016/061206)
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[30] FR (15 54611) 2015-05-22

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[51] **Int.Cl. G06F 7/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SELECTIVELY RETRIEVING DATA TO PROVIDE A LIMITED DATASET FOR INCORPORATION INTO A PIVOT TABLE**
[54] **PROCEDES ET SYSTEMES DE RECUPERATION SELECTIVE DE DONNEES PERMETTANT D'OBTENIR UN ENSEMBLE DE DONNEES LIMITE A INCLURE DANS UN TABLEAU CROISE DYNAMIQUE**
[72] MARCOTTE, DANIEL, US
[72] TABB, LLOYD, US
[73] GOOGLE LLC, US
[85] 2017-11-20
[86] 2016-05-25 (PCT/US2016/034186)
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[25] EN
[54] **OPERATING AND LOCKING MECHANISM FOR DIAMOND CROSSINGS OF CENTRAL RAIL-GUIDED VEHICLES**
[54] **MECANISME DE FONCTIONNEMENT ET VERROUILLAGE DESTINE AUX TRAVERSEES OBLIQUES DE VEHICULES GUIDES PAR UN RAIL CENTRAL**
[72] SANCHEZ JORRIN, JUAN CARLOS, ES
[73] JEZ SISTEMAS FERROVIARIOS, S.L., ES
[73] VOESTALPINE VAE GMBH, AT
[85] 2017-12-07
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[30] EP (15382300.0) 2015-06-08

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[51] **Int.Cl. G06F 21/85 (2013.01) G06F 13/38 (2006.01)**
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[54] **PERIPHERAL BUS SECURITY INTERFACE AND METHOD**
[54] **INTERFACE DE SECURITE DE BUS PERIPHERIQUE ET PROCEDE**
[72] LEAVENS, EDWARD, CA
[72] SCHENK, DEREK, CA
[72] SCHWARTZ, ABE, CA
[72] CARRAFIELLO, MARC, CA
[73] DATEX INC., CA
[85] 2017-12-11
[86] 2015-06-09 (PCT/CA2015/050526)
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[25] EN
[54] **PROCESS TO PREPARE PHENOLIC ETHYLENEDIAMINE DIACETIC ACID COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES D'ACIDE PHENOLIQUE ETHYLENEDIAMINE DIACETIQUE**
[72] REICHWEIN, ADRIANUS MARIA, NL
[72] JONGEN, HUBERTUS JOHANNES, NL
[72] GROOTE, MARJOLEIN, NL
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-12-18
[86] 2016-06-23 (PCT/EP2016/064499)
[87] (WO2016/207265)
[30] EP (15173799.6) 2015-06-25

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[51] **Int.Cl. G01L 5/00 (2006.01)**
[25] EN
[54] **DEVICE FOR AVOIDING EXCESSIVE LOADS ON THE HUMAN FOOT WHEN WALKING AND OPERATING METHOD THEREFOR**
[54] **DISPOSITIF PERMETTANT D'EVITER LES CHARGES EXCESSIVES SUR LE PIED HUMAIN LORS DE LA MARCHE ET METHODE FONCTIONNELLE ASSOCIEE**
[72] DOLL, WALTER, CH
[73] DOLL, WALTER, CH
[86] (2991926)
[87] (2991926)
[22] 2018-01-15
[30] DE (10 2017 100 636.2) 2017-01-13

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[51] **Int.Cl. E21B 43/10 (2006.01) E21B 29/10 (2006.01)**
[25] EN
[54] **EXPANDABLE LINER**
[54] **REVETEMENT EXTENSIBLE**
[72] DELANGE, RICHARD W., US
[72] SETTERBERG, JOHN RICHARD, JR., US
[72] OSBURN, SCOTT H., US
[72] CAPEHART, MICHAEL B., US
[72] GAO, FENG, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[30] US (62/191,947) 2015-07-13

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[51] **Int.Cl. G21C 7/12 (2006.01) G21C 7/14 (2006.01) G21C 1/32 (2006.01) G21C 9/02 (2006.01)**
[25] FR
[54] **NUCLEAR REACTOR WITH SCREW-NUT DRIVE OF THE CORE REACTIVITY CONTROL MEMBERS**
[54] **REACTEUR NUCLEAIRE AVEC ENTRAINEMENT DES ORGANES DE CONTROLE DE LA REACTIVITE DU COEUR DE TYPE VIS-ECROU**
[72] RANC, LIONEL, FR
[72] DUMANOIS, CHARLES, FR
[72] ROUILLER, JEAN-LUC, FR
[73] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2018-01-24
[86] 2016-07-28 (PCT/EP2016/068114)
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[25] EN
[54] **ELECTROCHEMICAL MEASURING CELL FOR MEASURING THE CONTENT OF CHLORINE COMPOUNDS IN WATER**
[54] **CELLULE DE MESURE ELECTROCHIMIQUE POUR LA MESURE DE LA TENEUR DE L'EAU EN COMPOSES CHLORES**
[72] KUNTZE, VERENA, DE
[73] KUNTZE INSTRUMENTS GMBH, DE
[85] 2018-01-22
[86] 2016-07-11 (PCT/DE2016/100306)
[87] (WO2017/012607)
[30] DE (10 2015 111 849.1) 2015-07-22

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[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **IN-VITRO METHODS FOR THE DETECTION OF AUTOIMMUNE DISEASES OR CONDITIONS**
[54] **PROCEDES IN VITRO POUR LA DETECTION DE MALADIES OU AFFECTIONS AUTO-IMMUNES**
[72] TRINSCHEK, BETTINA, DE
[72] SATOH, KAZUKI, JP
[72] JONULEIT, HELMUT, DE
[73] UNIVERSITATSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAT MAINZ, DE
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[30] EP (15180501.7) 2015-08-11

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[51] **Int.Cl. G06Q 50/18 (2012.01) G06F 21/36 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTRONICALLY PROVIDING LEGAL INSTRUMENT**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR ELECTRONIQUEMENT UN ACTE JURIDIQUE**
[72] KAMINSKI, RAYMOND, US
[72] BUNNELL, ANTHONY, US
[72] HURLEY, WILLIAM, US
[72] CARDONA, DAVID, US
[73] GOLDMAN SACHS & CO. LLC, US
[85] 2018-01-29
[86] 2016-07-03 (PCT/IB2016/053995)
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[30] US (62/188,351) 2015-07-02

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[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR RETINA PHOTOTHERAPY**
[54] **SYSTEME ET PROCEDE POUR PHOTOTHERAPIE DE LA RETINE**
[72] LUTTRULL, JEFFREY K., US
[72] MARGOLIS, BENJAMIN W. L., US
[72] CHANG, DAVID B., US
[73] OJAI RETINAL TECHNOLOGY, LLC, US
[85] 2018-01-29
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[87] (WO2017/069819)
[30] US (14/921,890) 2015-10-23
[30] US (15/148,842) 2016-05-06

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[13] C
[51] **Int.Cl. G16H 20/10 (2018.01)**
[25] EN
[54] **AUTOMATIC PRESCRIPTION MEDICATION SCHEDULING**
[54] **PLANIFICATION AUTOMATIQUE DE MEDICAMENT SUR ORDONNANCE**
[72] NICHOLS, LINDA, US
[72] ACHARYA, REENA, US
[72] LIZOTTE, MARGARET W., US
[72] ST. JEAN, DONNA L., US
[72] LOVERING, KIMBERLY A., US
[73] CVS PHARMACY, INC., US
[85] 2018-02-02
[86] 2016-08-02 (PCT/US2016/045142)
[87] (WO2017/023919)
[30] US (14/816,834) 2015-08-03

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[13] C
[51] **Int.Cl. A23K 50/40 (2016.01) A23L 33/00 (2016.01) A61P 3/04 (2006.01)**
[25] EN
[54] **METHODS USING MORPHOMETRIC MEASUREMENTS OF A SMALL DOG TO IMPROVE FOOD FOR THE SMALL DOG**
[54] **PROCEDES UTILISANT DES MESURES MORPHOMETRIQUES D'UN PETIT CHIEN POUR AMELIORER LA NOURRITURE POUR LE PETIT CHIEN**
[72] BOUTHEGOURD, JEAN-CHRISTOPHE, FR
[72] GORE, ASA, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-02-06
[86] 2016-08-05 (PCT/IB2016/054748)
[87] (WO2017/025881)
[30] US (62/203,710) 2015-08-11
[30] US (62/242,107) 2015-10-15

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[13] C
[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/6897 (2018.01) C12N 9/38 (2006.01) C12Q 1/34 (2006.01) C12Q 1/48 (2006.01) C12Q 1/54 (2006.01)**
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[54] **PROCEDE DE PRODUCTION DE N-ACETYL-D-GLUCOSAMINE ET/OU DE CHLORHYDRATE DE D-GLUCOSAMINE PAR FERMENTATION MICROBIENNE**
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[54] **CHARGEUR EXTERNE POUR DISPOSITIF MEDICAL IMPLANTABLE AYANT AU MOINS UNE BOBINE DE DETECTION CONCENTRIQUE A UNE BOBINE DE CHARGE POUR DETERMINER LA POSITION**
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[54] **SEPARATEUR D'HUILE COMPORTANT DES ELEMENTS EN SPIRALE DEFINISSANT DES PARCOURS D'ECOULEMENT HELICOIDAUX**
[72] MEISTER, BRANDON, US
[72] MONCUR, CHRISTOPHER JARED, US
[72] TANNER, RYAN, US
[72] HAKES, BRAD, US
[72] DAVIDSON, OSCAR, US
[72] BUNNE, JON, US
[73] NOVARES US ENGINE COMPONENTS, INC., US
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[54] **METHOD FOR PRODUCING HYDROPHOBIC HEAT INSULATION MATERIAL**
[54] **PROCEDE POUR LA FABRICATION D'UN MATERIAU HYDROPHOBE, THERMO-ISOLANT**
[72] SCHULTZ, THORSTEN, DE
[72] GEISLER, MATTHIAS, DE
[72] OLEK, MACIEJ, DE
[72] TSCHERNJAEW, JURI, DE
[72] ASBAHR, HARK-OLUF, DE
[72] GARTNER, GABRIELE, DE
[73] EVONIK OPERATIONS GMBH, DE
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[54] **MULTIKINASE INHIBITORS AND USES IN OCULAR FIBROSIS**
[54] **INHIBITEURS MULTIKINASES ET LEURS UTILISATIONS DANS LA FIBROSE OCULAIRE**
[72] TANG-LIU, DIANE, US
[72] DEVRIES, GERALD WOODROW, US
[72] LIU, TIFFANY CONSTANCE, US
[73] AIVIVA BIOPHARMA, INC., US
[85] 2019-01-21
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[25] EN
[54] **MULTI-CHANNEL PAIRING IN A MEDIA SYSTEM**
[54] **APPARIEMENT DE CANAUX MULTIPLES DANS UN SYSTEME MULTIMEDIA**
[72] KALLAI, CHRISTOPHER, US
[72] ERICSON, MICHAEL DARELL ANDREW, US
[72] LAMBOURNE, ROBERT A., US
[72] REIMANN, ROBERT, US
[72] TRIPLETT, MARK, US
[73] SONOS,INC., US
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[87] (3032479)
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[54] **PORTILLONNAGES QUANTIQUES PAR TRAINEE ADIABATIQUE MULTI-ETAGE**
[72] EPSTEIN, RYAN J., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-01-30
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[54] **INTEGRATED TUBULAR HANDLING SYSTEM**
[54] **SYSTEME DE MANUTENTION TUBULAIRE INTEGRE**
[72] BOULIGNY, VERNON, US
[72] ANGELLE, JEREMY R., US
[72] THIBODEAUX, ROBERT L., US
[72] LAMBERT, TRAVIS, US
[72] BERNARD, TIMOTHY, US
[73] FRANK'S INTERNATIONAL, LLC, US
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[54] **DATA SENDING METHOD, SIGNALING SENDING METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE D'ENVOI DE DONNEES, ET PROCEDE, APPAREIL ET SYSTEME D'ENVOI DE SIGNALISATION**
[72] LIU, KUNPENG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **TEST APPARATUS FOR A WASTE WATER TREATMENT SYSTEM**
[54] **APPAREIL DE TEST POUR SYSTEME DE TRAITEMENT DES EAUX USEES**
[72] DOBBS, SEAN, GB
[73] CDE GLOBAL LIMITED, GB
[85] 2019-02-15
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[54] **PROSTHESIS FOR REPAIRING A BLOOD VESSEL AND METHOD**
[54] **PROTHESE ET METHODE POUR REPARER UN VAISSEAU SANGUIN**
[72] BARONE, HECTOR DANIEL, AR
[73] BARONE, HECTOR DANIEL, AR
[85] 2019-02-21
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[25] EN
[54] **ITEM STORAGE ARRAY FOR MOBILE BASE IN ROBOT ASSISTED ORDER-FULFILLMENT OPERATIONS**
[54] **RESEAU DE STOCKAGE D'ARTICLES POUR BASE MOBILE DANS DES OPERATIONS D'EXECUTION DE COMMANDES ASSISTEES PAR ROBOT**
[72] JOHNSON, MICHAEL CHARLES, US
[72] JOHNSON, SEAN, US
[72] JAQUEZ, LUIS, US
[72] JOHNSON, RYAN, US
[73] LOCUS ROBOTICS CORP., US
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[54] **HIGH PERFORMANCE COMPUTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CALCUL A HAUTE PERFORMANCE**
[72] LIPPERT, THOMAS, DE
[73] PARTEC CLUSTER COMPETENCE CENTER GMBH, DE
[85] 2019-02-28
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[54] **THERAPY FOR DRUG-RESISTANT CANCER BY ADMINISTRATION OF ANTI-HER2 ANTIBODY/DRUG CONJUGATE**
[54] **TRAITEMENT CONTRE LE CANCER PHARMACORESISTANT PAR ADMINISTRATION D'UN CONJUGUE ANTICORPS ANTI-HER2/MEDICAMENT**
[72] JIKOH, TAKAHIRO, JP
[72] OGITANI, YUSUKE, JP
[72] YOSHIHARA, KAZUTAKA, JP
[72] ENDO, SEIKO, JP
[72] FUJISAKI, YOSHIHIKO, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
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[54] **COMBINATION ANIMAL DETERRENT CANISTER AND CARRIER DEVICE**
[54] **CARTOUCHE DE DISSUASION D`ANIMAL COMBINEE ET DISPOSITIF DE TRANSPORT**
[72] HAIGH, DUSTIN, CA
[73] HAIGH, DUSTIN, CA
[86] (3038194)
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[54] **OFFSHORE PREPARATION SYSTEM**
[54] **SYSTEME DE PREPARATION EN MER**
[72] PIENADO, RENE E., US
[73] MEEDL68 LP, US
[86] (3038754)
[87] (3038754)
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[25] EN
[54] **PARAMETRIC DISTURBANCE SENSOR FOR A VEHICULAR MEASUREMENT SYSTEM**
[54] **CAPTEUR DE PERTURBATION PARAMETRIQUE POUR SYSTEME DE MESURE DE VEHICULE**
[72] HANSON, RANDY, CA
[72] HAICHERT, TYLER, CA
[72] PLEMEL, MARTIN RUSSELL CONRAD, CA
[73] INTERNATIONAL ROAD DYNAMICS, INC., CA
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[54] **VISUAL SENSOR-BASED MANAGEMENT OF A RETURN TRANSACTION**
[54] **GESTION D'UNE TRANSACTION DE RETOUR FONDEE SUR UN CAPTEUR VISUEL**
[72] SINGH, ANKIT, US
[72] HERRING, DEAN FREDERICK, US
[72] JOHNSON, BRAD MATTHEW, US
[72] SMITH, JEFFREY JOHN, US
[73] TOSHIBA GLOBAL COMMERCE SOLUTIONS HOLDINGS CORPORATION, JP
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[25] EN
[54] **OPTIMIZED HOPPING PATTERNS FOR DIFFERENT SENSOR NODES AND VARIABLE DATA LENGTHS ON THE BASIS OF THE TELEGRAM SPLITTING TRANSMISSION METHOD**
[54] **MODELES DE SAUT OPTIMISES POUR DIFFERENTS NOEUDS DE CAPTEURS ET LONGUEURS DE DONNEES VARIABLES SUR LA BASE DU PROCEDE DE TRANSMISSION AVEC SEGMENTATION DE TELEGRAMMES**
[72] KILIAN, GERD, DE
[72] BERNHARD, JOSEF, DE
[72] ROBERT, JOERG, DE
[72] KNEISSL, JAKOB, DE
[72] WECHSLER, JOHANNES, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[73] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG, DE
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[54] **PLASTIC BOTTLE WITH A CHAMPAGNE BASE AND PRODUCTION METHODS THEREOF**
[54] **BOUTEILLE EN PLASTIQUE COMPORTANT UNE BASE POUR CHAMPAGNE ET PROCEDES DE PRODUCTION ASSOCIES**
[72] MAHAJAN, KAMAL, US
[72] PEER, SYED, US
[72] TELESCA, BRUNO, US
[72] BAREL, MORENO, IT
[73] PEPSICO, INC., US
[85] 2019-04-24
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[25] EN
[54] **DATA TRANSMISSION METHOD, USER EQUIPMENT AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, EQUIPEMENT UTILISATEUR, ET DISPOSITIF RESEAU**
[72] YANG, NING, CN
[72] XU, HUA, CA
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF POLYUNSATURATED FATTY ACIDS IN TRANSGENIC PLANTS**
[54] **PROCEDE DE PRODUCTION D'ACIDES GRAS POLYINSATURES DANS LES PLANTS TRANSGENIQUES**
[72] CIRPUS, PETRA, DE
[72] BAUER, JORG, DE
[72] QIU, XIAO, CA
[72] WU, GUOHAI, CA
[72] DATLA, NAGAMANI, CA
[73] BASF PLANT SCIENCE GMBH, DE
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[54] **METHOD AND DEVICE FOR TRANSMITTING SYSTEM INFORMATION**
[54] **PROCEDE ET DISPOSITIF DESTINES A TRANSMETTRE DES INFORMATIONS DE SYSTEME**
[72] YANG, NING, CN
[72] LIN, YANAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **METHOD FOR SEPARATING FIBERS**
[54] **PROCEDE DE SEPARATION DE FIBRES**
[72] WUCHERER, STEPHAN, DE
[72] ELSNER, CHRISTIAN, DE
[73] REPULPING TECHNOLOGY GMBH & CO. KG, DE
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[54] **FLUID-BED GRANULATOR SYSTEM AND PROCESS FOR PARTICLE SIZE CONTROLLED GRANULATION OF UREA-CONTAINING PARTICLES**
[54] **SYSTEME DE GRANULATEUR A LIT FLUIDE ET PROCEDE POUR UN PRODUIT DE GRANULATION DE CONTROLE DE LA TAILLE DES PARTICULES CONTENANT DE L'UREE**
[72] FRANZRAHE, HARALD, DE
[72] KRAWCZYK, THOMAS, DE
[73] THYSSENKRUPP FERTILIZER TECHNOLOGY GMBH, DE
[73] THYSSENKRUPP AG, DE
[86] (3048236)
[87] (3048236)
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[54] **DUAL-POLARIZED FRACTAL ANTENNA FEED ARCHITECTURE EMPLOYING ORTHOGONAL PARALLEL-PLATE MODES**
[54] **ARCHITECTURE D`ALIMENTATION D`ANTENNE FRACTALE A DOUBLE POLARISATION UTILISANT DES MODES DE PLAQUES PARALLELES ORTHOGONALES**
[72] MILROY, WILLIAM, US
[72] HENDERSON, WILLIAM, US
[72] SOR, JAMES, US
[73] THINKOM SOLUTIONS, INC., US
[86] (3049202)
[87] (3049202)
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[54] **REINFORCING MEMBER FOR A BAG**
[54] **ELEMENT DE RENFORCEMENT D`UN SAC**
[72] STRENG, JARROD THOMAS, US
[72] WEED, CHRISTOPHER MATTHEW, US
[72] BUTTS, MARK LEE, US
[72] KUBICA, RYAN LEE-NOWLAND, US
[72] FIEVET, JAMES BLAKE, US
[72] LI, JING, US
[73] BIG TIME PRODUCTS, LLC, US
[86] (3051190)
[87] (3051190)
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[30] US (62/714,453) 2018-08-03

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[54] **DUAL VOLTAGE RANGE CHARGING STATION**
[54] **BORNE DE RECHARGE A PLAGE BITENSION**
[72] MAILLOUX, DANIEL, CA
[73] ADDENERGIE TECHNOLOGIES INC., CA
[86] (3052825)
[87] (3052825)
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[54] **A LIQUID COMPOSITION AND PROCESS THEREOF**
[54] **COMPOSITION LIQUIDE ET PROCEDE CORRESPONDANT**
[72] CARLOS, EDUARDO FABRI, BR
[72] DIGISH, MANUBHAI PANCHAL, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[73] UPL LTD, IN
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[54] **MODIFIED NK-92 HANK003 CELLS FOR THE CLINIC**
[54] **CELLULES NK-92 HANK003 MODIFIEES POUR LA CLINIQUE**
[72] KLINGEMANN, HANS, US
[72] BOISSEL, LAURENT, US
[72] SOON-SHIONG, PATRICK, US
[73] IMMUNITYBIO, INC., US
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[25] EN
[54] **LIGAND BOUND MBP MEMBRANES, USES AND METHOD OF MANUFACTURING**
[54] **MEMBRANES EN COPOLYMERE MULTI-BLOC LIEES A UN LIGAND, UTILISATIONS ET PROCEDE DE FABRICATION**
[72] DORIN, RACHEL M., US
[72] ROBBINS, SPENCER, US
[72] HURWITZ, MARK, US
[73] TERAPORE TECHNOLOGIES, INC., US
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[25] EN
[54] **AUTOMATED TOOL FOR QUESTION GENERATION**
[54] **OUTIL AUTOMATISE DE GENERATION DE QUESTIONS**
[72] KELSEY, ELAINE, US
[72] GOETSCHALCKX, ROBBY JOZEF MARIA, US
[72] RAY, RONALD EDWARD, US
[72] VEDEN, AARON J., US
[72] ROBSON, ELLIOT NICHOLAS, US
[72] ROBSON, ROBERT O., US
[73] EDUWORKS CORPORATION, US
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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 24/08 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **DYNAMIC MEASUREMENT OF NETWORK HEALTH**
[54] **MESURE DYNAMIQUE DE SANTE D'UN RESEAU**
[72] RAKESH ELUVAN, PERIYAELUVAN, IN
[72] R V K S NARAYANA, RAO, IN
[72] VIVEK, MARAN, IN
[73] SLING MEDIA PVT. LTD., IN
[85] 2019-09-11
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[87] (WO2018/167653)
[30] IN (201741008629) 2017-03-13

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[13] C
[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON DIFFERENT FUNDS-MANAGEMENT SERVERS, AND PAYMENT METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR DIFFERENTS SERVEURS DE FONDS ET PROCEDE DE PAIEMENT, DISPOSITIF ET SERVEUR ASSOCIES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[86] (3057528)
[87] (3057528)
[22] 2015-05-28
[62] 2,988,428
[30] CN (201510218466.3) 2015-04-30

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[51] **Int.Cl. G11C 11/406 (2006.01)**
[25] EN
[54] **MEMORY REFRESH TECHNOLOGY AND COMPUTER SYSTEM**
[54] **TECHNOLOGIE DE RAFRAICHISSEMENT DE LA MEMOIRE ET SYSTEME INFORMATIQUE**
[72] HU, XING, CN
[72] LIANG, CHUANZENG, CN
[72] XIAO, SHIHAI, CN
[72] WANG, KANWEN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-10-02
[86] 2017-04-14 (PCT/CN2017/080640)
[87] (WO2018/188085)

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[13] C
[51] **Int.Cl. C07K 16/32 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 15/13 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **ANTIBODY FC VARIANTS FOR INCREASED BLOOD HALF-LIFE**
[54] **VARIANTS D'ANTICORPS FC POUR AMELIORER LA DEMI-VIE DANS LE SANG**
[72] JUNG, SANG TAEK, KR
[72] KO, SANGHWAN, KR
[72] LEE, TAE GYU, KR
[72] CHOI, SO YOUNG, KR
[72] LEE, SOO HAN, KR
[72] SOHN, MYUNG HO, KR
[72] KIM, SU JIN, KR
[72] PARK, SO RA, KR
[72] PARK, JONG SHIK, KR
[72] LIM, MYUNG SIN, KR
[73] KOOKMIN UNIVERSITY INDUSTRY ACADEMY COOPERATION FOUNDATION, KR
[73] OSONG MEDICAL INNOVATION FOUNDATION, KR
[85] 2019-10-04
[86] 2018-04-06 (PCT/KR2018/004104)
[87] (WO2018/186717)
[30] KR (10-2017-0045142) 2017-04-07
[30] KR (10-2017-0047821) 2017-04-13
[30] KR (10-2017-0047822) 2017-04-13

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[13] C
[51] **Int.Cl. H01R 13/44 (2006.01)**
[25] EN
[54] **DEVICE FOR PROTECTING ELECTRIC SOCKETS ARRANGED IN VEHICLES**
[54] **DISPOSITIF DE PROTECTION DE PRISES ELECTRIQUES INSTALLEES DANS DES VEHICULES**
[72] BUCHHALTER, THOMAS, DE
[73] ANTON CLEMENS AUTOMOTIVE GMBH, DE
[85] 2019-10-07
[86] 2016-04-22 (PCT/EP2016/059075)
[87] (WO2017/182098)

[11] **3,059,777**
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[51] **Int.Cl. C07H 7/06 (2006.01) A61K 31/706 (2006.01) A61P 31/12 (2006.01) C07H 19/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF (S)-2-ETHYLBUTYL 2-(((S)-(((2R,3S,4R,5R)-5-(4-AMINOPYRROLO[2,1-F][1,2,4]TRIAZIN-7-YL)-5-CYANO-3,4-DIHYDROXYTETRAHYDROFURAN-2-YL)METHOXY)(PHENOXY)PHOSPHORYL)AMINO)PROPANOATE**
[54] **FORMES CRISTALLINES DE (S) 2 ETHYLBUTYL 2 (((S) (((2R,3S,4R,5R) 5 (4 AMINOPYRROLO[2,1-F][1,2,4]TRIAZINE-7-YL)-5-CYANO-3,4-DIHYDROXYTETRAHYDROFURAN-2 YL)METHOXY)(PHENOXY) PHOSPHOR YL)AMINO)PROPANOATE**
[72] BRAK, KATRIEN, US
[72] CARRA, ERNEST A., US
[72] HEUMANN, LARS V., US
[72] LARSON, NATE, US
[73] GILEAD SCIENCES, INC., US
[85] 2019-10-10
[86] 2018-04-27 (PCT/US2018/029974)
[87] (WO2018/204198)
[30] US (62/492,364) 2017-05-01

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[13] C
[51] **Int.Cl. G01V 5/04 (2006.01)**
[25] EN
[54] **IMPROVED TEMPERATURE PERFORMANCE OF A SCINTILLATOR-BASED RADIATION DETECTOR SYSTEM**
[54] **PERFORMANCE DE TEMPERATURE AMELIOREE D'UN SYSTEME DETECTEUR DE RAYONNEMENT BASE SUR UN SCINTILLATEUR**
[72] TEAGUE, PHILIP, US
[72] STEWART, ALEX, US
[73] TEAGUE, PHILIP, US
[73] STEWART, ALEX, US
[85] 2019-10-10
[86] 2018-04-12 (PCT/US2018/027338)
[87] (WO2018/191521)
[30] US (62/484,611) 2017-04-12
[30] US (15/951,874) 2018-04-12

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[13] C
[51] **Int.Cl. G01S 17/04 (2020.01) G01S 17/931 (2020.01)**
[25] EN
[54] **VEHICLE-MOUNTED LIGHT DETECTION AND RANGING (LIDAR) SYSTEM**
[54] **SYSTEME DE DETECTION ET DE TELEMETRIE PAR LA LUMIERE (LIDAR) MONTE SUR UN VEHICULE**
[72] YU, AIHUA, CN
[72] HUA, YIMIN, CN
[73] O-NET COMMUNICATIONS (SHENZHEN) LIMITED, CN
[85] 2019-10-11
[86] 2017-05-17 (PCT/CN2017/084743)
[87] (WO2018/209606)

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[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/58 (2006.01) A61B 17/68 (2006.01) A61B 17/82 (2006.01)**
[25] EN
[54] **SELF-ADJUSTABLE PECTUS RECONSTRUCTION SYSTEM**
[54] **SYSTEME DE RECONSTRUCTION DE PECTUS AUTO-REGLABLE**
[72] SU, SEA-QUAN, TW
[73] SU, SUSAN BING, US
[73] SU, SEA-QUAN, TW
[85] 2019-10-11
[86] 2018-04-19 (PCT/US2018/028239)
[87] (WO2018/195235)
[30] TW (106113333) 2017-04-20
[30] US (15/641,358) 2017-07-05

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[13] C
[51] **Int.Cl. B64G 4/00 (2006.01) B64G 1/64 (2006.01)**
[25] EN
[54] **CAPTURE DEVICE AND CAPTURE METHOD FOR CAPTURING UNCOOPERATIVE SATELLITES IN SPACE**
[54] **DISPOSITIF ET METHODE DE CAPTURE DE SATELLITES PEU COOPERATIFS DANS L'ESPACE**
[72] MADIGER, BERND, DE
[72] DORMER, MANFRED, DE
[72] GOLBECK, ORTWIN, DE
[73] AIRBUS DEFENCE AND SPACE GMBH, DE
[86] (3060449)
[87] (3060449)
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[13] C
[51] **Int.Cl. A61K 31/185 (2006.01) A61K 31/195 (2006.01) A61K 31/404 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **IDALOPIRDINE-BASED COMBINATORIAL THERAPIES OF ALZHEIMER'S DISEASE**
[54] **THERAPIES COMBINATOIRES A BASE D'IDALOPIRDINE POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] COHEN, DANIEL, FR
[72] NABIROCHKIN, SERGUEI, FR
[72] HAJJ, RODOLPHE, FR
[72] BRUREAU, ANTHONY, FR
[73] PHARNEXT, FR
[85] 2019-10-21
[86] 2018-04-23 (PCT/EP2018/060284)
[87] (WO2018/197383)
[30] EP (17305462.8) 2017-04-24

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[13] C
[51] **Int.Cl. C08J 11/12 (2006.01) C08H 7/00 (2011.01) C07G 1/00 (2011.01)**
[25] EN
[54] **LIGNIN DEPOLYMERIZATION PROCESS USING CHEMICALS RECOVERABLE BY THE KRAFT RECOVERY CYCLE**
[54] **PROCEDE DE DEPOLYMERISATION DE LIGNINE A L'AIDE DE PRODUITS CHIMIQUES RECUPERABLES PAR LE CYCLE DE RECUPERATION KRAFT**
[72] PALEOLOGOU, MICHAEL, CA
[72] AHMAD, ZAID, CA
[72] XU, CHUNBAO, CA
[73] FPINNOVATIONS, CA
[85] 2019-11-07
[86] 2018-05-08 (PCT/CA2018/050547)
[87] (WO2018/205021)
[30] US (62/503,376) 2017-05-09

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[51] **Int.Cl. A61K 8/25 (2006.01) A61K 8/04 (2006.01) A61K 8/85 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **GEL SUNSCREENS COMPRISING OCTYLDODECYL/GLYCERYL HYDROXY STEARATE DIMETHICONE COPOLYMER AND FUMED SILICA**
[54] **ECRANS SOLAIRES EN GEL COMPRENANT UN COPOLYMERE DE DIMETHICONE D'HYDROXY-STEARATE D'OCTYLDODECYLE/GLYCERYL E ET DE LA SILICE PYROGENEE**
[72] PATEL, JAYESH A., US
[72] BALDWIN, STEPHEN, US
[72] MEYER, TOM, US
[72] ERIXON, ANNA, US
[72] PRESTI, RICHARD A., US
[73] BEIERSDORF AG, DE
[85] 2019-11-11
[86] 2018-05-11 (PCT/US2018/032184)
[87] (WO2018/209163)
[30] US (62/504,910) 2017-05-11

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[13] C
[51] **Int.Cl. H04W 16/02 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING UPLINK SIGNAL, TERMINAL AND NETWORK DEVICE**
[54] **PROCEDE D'EMISSION DE SIGNAL DE LIAISON MONTANTE, TERMINAL ET DISPOSITIF DE RESEAU**
[72] CHEN, WENHONG, CN
[72] ZHANG, ZHI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-19
[86] 2017-05-26 (PCT/CN2017/086097)
[87] (WO2018/214149)

[11] **3,064,238**
[13] C
[51] **Int.Cl. B66F 7/28 (2006.01)**
[25] EN
[54] **ARM RESTRAINTS FOR VEHICLE LIFT AND VEHICLE LIFT INCLUDING THE SAME**
[54] **ACCOUDOIRS POUR PONT ELEVATEUR POUR VEHICULES ET PONT ELEVATEUR POUR VEHICULES COMPORTANT LEDIT ACCOUDOIR**
[72] MAILHOT, LUC, CA
[72] MITCHELL, NORMAND, CA
[72] JEAN, STEPHANE, CA
[73] CANADA HYDRAULIQUE EQUIPEMENT INC., CA
[86] (3064238)
[87] (3064238)
[22] 2019-12-06

[11] **3,064,273**
[13] C
[51] **Int.Cl. G01N 33/487 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **NANOPORE SEQUENCERS**
[54] **SEQUENCEURS PAR NANOPORES**
[72] BOYANOV, BOYAN, US
[72] AKOLKAR, ROHAN N., US
[72] FISHER, JEFFREY S., US
[72] MANDELL, JEFFREY G., US
[72] QIANG, LIANGLIANG, US
[72] BARNARD, STEVEN M., US
[73] ILLUMINA, INC., US
[85] 2019-11-19
[86] 2018-06-19 (PCT/US2018/038337)
[87] (WO2018/236906)
[30] US (62/522,628) 2017-06-20

[11] **3,065,414**
[13] C
[51] **Int.Cl. H04W 24/00 (2009.01)**
[25] EN
[54] **MEASUREMENT GAP CONFIGURATION METHOD, APPARATUS, DEVICE, TERMINAL AND SYSTEM**
[54] **PROCEDE, APPAREIL, DISPOSITIF, TERMINAL, ET SYSTEME DE CONFIGURATION D'INTERVALLE DE MESURE**
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-28
[86] 2017-06-15 (PCT/CN2017/088503)
[87] (WO2018/227494)

[11] **3,066,297**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **SIGNAL PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAUX**
[72] CHEN, WENHONG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
[86] 2017-09-14 (PCT/CN2017/101747)
[87] (WO2019/051717)

[11] **3,066,517**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **COMMUNICATIONS METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION**
[72] HUANG, HUANG, CN
[72] GAO, KUANDONG, CN
[72] YAN, MAO, CN
[72] SHAO, HUA, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-12-06
[86] 2019-01-14 (PCT/CN2019/071634)
[87] (WO2019/137534)
[30] CN (201810032285.5) 2018-01-12

[11] **3,066,895**
[13] C
[51] **Int.Cl. C10L 3/10 (2006.01) B01D 3/14 (2006.01)**
[25] EN
[54] **FRACTIONATION SYSTEM USING COMPACT CO-CURRENT CONTACTING SYSTEMS**
[54] **SYSTEME DE FRACTIONNEMENT UTILISANT DES SYSTEMES COMPACTS DE MISE EN CONTACT DE CO-COURANT**
[72] YEH, NORMAN K., US
[72] GRAVE, EDWARD J., US
[72] RAMKUMAR, SHWETHA, US
[72] JUAREZ, JUAN C., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-12-10
[86] 2018-04-27 (PCT/US2018/029793)
[87] (WO2018/231347)
[30] US (62/520,213) 2017-06-15

[11] **3,066,936**
[13] C
[51] **Int.Cl. H04W 72/0453 (2023.01) H04W 72/23 (2023.01) H04W 72/231 (2023.01)**
[25] EN
[54] **RESOURCE INDICATION METHOD, USER EQUIPMENT, NETWORK DEVICE AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE D'INDICATION DE RESSOURCE, EQUIPEMENT UTILISATEUR, DISPOSITIF DE RESEAU ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] SHEN, JIA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-11
[86] 2017-11-16 (PCT/CN2017/111415)
[87] (WO2019/095225)

[11] **3,067,090**
[13] C
[51] **Int.Cl. C01B 3/12 (2006.01) C01B 3/34 (2006.01)**
[25] EN
[54] **SOOT REMOVAL PROCESS AND ASSEMBLY IN COOLING SECTORS AND RECUPERATORS**
[54] **PROCEDE ET SYSTEME D'ELIMINATION DE LA SUIE DANS DES SECTIONS DE REFROIDISSEMENT ET DES RECUPERATEURS**
[72] RUGER, DIETMAR, DE
[72] BERNINGHAUSEN, CARL, DE
[72] KLAHN, CHRISTIAN, DE
[72] BECKER, SEBASTIAN, DE
[72] BLUMENTRITT, ROBERT, DE
[73] SUNFIRE GMBH, DE
[85] 2019-12-12
[86] 2018-06-11 (PCT/DE2018/100552)
[87] (WO2018/228641)
[30] EP (17175569.7) 2017-06-12

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[13] C
[51] **Int.Cl. G08G 9/02 (2006.01) H04W 4/40 (2018.01) G01S 13/933 (2020.01) G01S 17/933 (2020.01) G01S 13/93 (2020.01) G01S 17/93 (2020.01)**
[25] EN
[54] **SENSE AND AVOID FOR AUTOMATED MOBILE VEHICLES**
[54] **DETECTION ET EVITEMENT DESTINES A DES VEHICULES MOBILES AUTOMATISES**
[72] KIMCHI, GUR, US
[72] NAVOT, AMIR, US
[72] BECKMAN, BRIAN C., US
[72] SCHAFFALITZKY, FREDERIK, US
[72] GREEN, SCOTT A., US
[72] ISAACS, SCOTT, US
[73] AMAZON TECHNOLOGIES, INC., US
[86] (3067285)
[87] (3067285)
[22] 2015-03-19
[62] 2,943,233
[30] US (14/225,161) 2014-03-25

[11] **3,068,694**
[13] C
[51] **Int.Cl. H01M 50/583 (2021.01) H01M 50/581 (2021.01) H01M 10/44 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **BATTERY PACK AND ELECTRICAL DEVICE USING BATTERY PACK**
[54] **BLOC-BATTERIE ET DISPOSITIF ELECTRIQUE UTILISANT UN BLOC-BATTERIE**
[72] NAKANO, YASUSHI, JP
[72] YAMAGUCHI, SATOSHI, JP
[72] HANAWA, HIROYUKI, JP
[72] FUNABASHI, KAZUHIKO, JP
[72] NISHIKAWA, TOMOMASA, JP
[72] KANNO, SHOTA, JP
[72] MIZOGUCHI, TOSHIO, JP
[73] KOKI HOLDINGS CO., LTD., JP
[85] 2019-12-30
[86] 2018-07-24 (PCT/JP2018/027698)
[87] (WO2019/022072)
[30] JP (2017-142779) 2017-07-24

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[13] C
[51] **Int.Cl. E04B 1/98 (2006.01) E04G 23/02 (2006.01) E04G 23/04 (2006.01) E04H 9/02 (2006.01) F16F 1/364 (2006.01)**
[25] EN
[54] **SEISMIC REINFORCEMENT STRUCTURE AND SEISMIC RETROFITTING METHOD**
[54] **STRUCTURE DE RENFORCEMENT SISMIQUE ET METHODE DE REAMENAGEMENT SISMIQUE**
[72] JEON, JAE HWAN, KR
[73] TRAUM WOOD HOUSE CORP, KR
[86] (3068962)
[87] (3068962)
[22] 2020-01-20
[30] KR (10-2019-0013366) 2019-02-01

[11] **3,069,271**
[13] C
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 2/00 (2006.01) C08F 4/654 (2006.01) C08L 23/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING POLYPROPYLENE COMPOSITION**
[54] **PROCEDE POUR LA PREPARATION D'UNE COMPOSITION DE POLYPROPYLENE**
[72] LESKINEN, PAULI, FI
[72] BORAGNO, LUCA, AT
[73] BOREALIS AG, AT
[85] 2020-01-07
[86] 2018-09-06 (PCT/EP2018/073973)
[87] (WO2019/048529)
[30] EP (17190020.2) 2017-09-08

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[13] C
[51] **Int.Cl. A61K 31/407 (2006.01) A61P 31/12 (2006.01) A61P 31/20 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **BISDIAZABICYCLO COMPOUND FOR TREATMENT AND/OR PREVENTION OF HEPATITIS VIRUS-RELATED DISEASES OR DISORDERS**
[54] **COMPOSE BISDIAZABICYCLO POUR LE TRAITEMENT ET/OU LA PREVENTION DE MALADIES OU DE TROUBLES LIES AU VIRUS DE L'HEPATITE**
[72] ZHAI, YIFAN, CN
[72] ZHANG, XIAOYONG, CN
[72] HOU, JINLIN, CN
[72] YANG, DAJUN, CN
[73] JIANGSU ASCENTAGE BIOMED DEVELOPMENT INC., CN
[73] HEALTHQUEST PHARMA INC., CN
[85] 2020-02-11
[86] 2018-11-20 (PCT/CN2018/116289)
[87] (WO2019/101047)
[30] CN (201711193388.1) 2017-11-24

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[13] C
[51] **Int.Cl. A61K 38/10 (2006.01) A61K 47/66 (2017.01) A01K 67/027 (2006.01) A61P 15/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 7/08 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **CYTOCIDAL AGENT**
[54] **AGENT CYTOCIDE**
[72] SUGIHARA, KAZUHIRO, JP
[72] KANAYAMA, NAOHIRO, JP
[72] ONODERA, YUICHIRO, JP
[72] SHIBATA, TOSHIAKI, JP
[72] FUKUDA, MICHIKO, JP
[72] NONAKA, MOTOHIRO, JP
[73] FUJITA ACADEMY, JP
[85] 2020-02-19
[86] 2018-08-23 (PCT/JP2018/031136)
[87] (WO2019/039540)
[30] JP (2017-161556) 2017-08-24

[11] **3,074,319**
[13] C
[51] **Int.Cl. H04B 11/00 (2006.01)**
[25] EN
[54] **DYNAMIC TIME ADJUSTMENT METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE REGLAGE TEMPOREL DYNAMIQUE**
[72] YIN, HUI, CN
[72] WANG, XIANG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-02-28
[86] 2018-02-12 (PCT/CN2018/076412)
[87] (WO2019/041761)
[30] CN (201710766484.4) 2017-08-30

[11] **3,075,464**
[13] C
[51] **Int.Cl. C22B 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR RECOVERING CU AND METHOD OF PREPARING ELECTROLYTIC COPPER**
[54] **PROCEDE DE RECUPERATION DE CU ET PROCEDE DE PREPARATION DE CUIVRE ELECTROLYTIQUE**
[72] FUKANO, YUKEN, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2020-03-10
[86] 2018-12-27 (PCT/JP2018/048383)
[87] (WO2019/131977)
[30] JP (2017-252011) 2017-12-27

[11] **3,076,025**
[13] C
[51] **Int.Cl. G16H 20/17 (2018.01) A61B 5/00 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **METHOD FOR ADJUSTING A BOLUS AMOUNT OF INSULIN, DEVICE AND MEDICAL SYSTEM**
[54] **PROCEDE D'AJUSTEMENT D'UNE QUANTITE DE BOLUS D'INSULINE, DISPOSITIF ET SYSTEME MEDICAL**
[72] GRINBERG, ITZHAK, DE
[72] MUELLER-HOFFMANN, WIEBKE, DE
[72] RENDSCHMIDT, TIL, DE
[72] SCHMITZ, ANDREAS, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-03-17
[86] 2018-11-07 (PCT/EP2018/080400)
[87] (WO2019/091998)
[30] EP (17200590.2) 2017-11-08

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[25] EN
[54] **LEAN PARSING: A NATURAL LANGUAGE PROCESSING SYSTEM AND METHOD FOR PARSING DOMAIN-SPECIFIC LANGUAGES**
[54] **ANALYSE ALLEGEE : SYSTEME DE TRAITEMENT DE LANGAGE NATUREL ET PROCEDE D'ANALYSE DE LANGAGES SPECIFIQUES AU DOMAINE**
[72] MUKHERJEE, SAIKAT, US
[72] MANANDISE, ESME, US
[72] AGARWAL, SUDHIR, US
[72] PATCHIRAJAN, KARPAGA GANESH, US
[73] INTUIT INC., US
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[54] **INKING SYSTEM WITH EMBEDDED COLOUR CORRECTION**
[54] **SYSTEME D'ENCRAGE A CORRECTION DE COULEUR INTEGREE**
[72] D'ANNUNZIO, FEDERICO, IT
[73] BOBST FIRENZE S.R.L., IT
[85] 2020-03-20
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[25] EN
[54] **RECOMBINANT EXPRESSION OF PCV2B ORF2 PROTEIN IN INSECT CELLS**
[54] **EXPRESSION RECOMBINANTE DE PROTEINE ORF2 DE PCV2B DANS DES CELLULES D'INSECTES**
[72] SONDERMEIJER, PAULUS JACOBUS ANTONIUS, NL
[72] SANDERS, LISETTE, NL
[72] VAN DER HEIJDEN - LIEFKENS, KARIN HUBERDINA ANTONIA, NL
[73] INTERVET INTERNATIONAL B.V., NL
[85] 2020-04-02
[86] 2018-10-16 (PCT/EP2018/078189)
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[54] **CONTOURED FOAM DRESSING SHAPED FOR PROVIDING NEGATIVE PRESSURE TO INCISIONS IN THE BREAST**
[54] **PANSEMENT EN MOUSSE PROFILE FACONNE POUR FOURNIR UNE PRESSION NEGATIVE A DES INCISIONS DANS LE SEIN**
[72] REHBEIN, JONATHAN G., US
[72] KAZALA, RICHARD, US
[72] SANDOVAL, ENRIQUE L., US
[72] RANDOLPH, LARRY TAB, US
[72] PERKINS, LUKE, US
[72] SILVERMAN, RONALD P., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-04-07
[86] 2018-10-10 (PCT/US2018/055182)
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[51] **Int.Cl. B25J 9/16 (2006.01) G06T 7/10 (2017.01)**
[25] EN
[54] **CONTROL DEVICE AND METHOD FOR A ROBOT SYSTEM FOR LOCATING OBJECTS AND CALCULATING APPROPRIATE GRASP POINTS FOR EACH OBJECT**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE POUR UN SYSTEME DE ROBOT POUR LOCALISER DES OBJETS ET CALCULER DES POINTS DE SAISIE APPROPRIES POUR CHAQUE OBJET**
[72] DEACON, GRAHAM, GB
[72] PEDRO, OSEMWARO, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2020-04-09
[86] 2018-11-16 (PCT/EP2018/081589)
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[54] **CAPACITOR WITH MULTIPLE ELEMENTS FOR MULTIPLE REPLACEMENT APPLICATIONS**
[54] **CONDENSATEUR A ELEMENTS MULTIPLES POUR APPLICATIONS DE REMPLACEMENT MULTIPLES**
[72] STOCKMAN, ROBERT M., US
[73] AMRAD MANUFACTURING, LLC, US
[85] 2020-04-17
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[25] EN
[54] **FILAR ANTENNA ELEMENT DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES POUR ELEMENT D`ANTENNE FILAIRE**
[72] EMARA, MOHAMED, CA
[72] HAUTCOEUR, JULIEN, CA
[72] PANTHER, GYLES, CA
[72] BOTROS, JOSEPH, CA
[73] TALLYSMAN WIRELESS INC., CA
[86] (3079709)
[87] (3079709)
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[25] EN
[54] **VACUUM PROTECTED FLIGHT RECORDER MEMORY**
[54] **MEMOIRE D'ENREGISTREUR DE VOL PROTEGEE SOUS VIDE**
[72] WAGGENER, WILLIAM N., US
[73] L3 TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-26 (PCT/US2018/057835)
[87] (WO2019/084485)
[30] US (15/796,614) 2017-10-27

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[13] C
[51] **Int.Cl. A23K 10/00 (2016.01) A23K 10/10 (2016.01) A23K 10/12 (2016.01)**
[25] EN
[54] **PROCEDURE FOR THE PRODUCTION OF A MULTIPLIER AND MODULATOR ADDITIVE OF THE RUMINAL MICROBIOTE**
[54] **PROCEDURE POUR LA PRODUCTION D'UN ADDITIF MULTIPLICATEUR ET MODULATEUR DU MICROBIOTE RUMINAL**
[72] PATERNO, MARCELO ALEJANDRO, AR
[73] BIOPREMIX TECHNOLOGIES LLC, US
[85] 2020-04-24
[86] 2018-09-17 (PCT/IB2018/057096)
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[30] UY (37492) 2017-11-23

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[51] **Int.Cl. C12M 1/26 (2006.01)**
[25] EN
[54] **SAMPLE MANIPULATION APPARATUS**
[54] **APPAREIL DE MANIPULATION DES ECHANTILLONS**
[72] CAHILLY, BAMBI LYN, US
[73] CAHILLY, BAMBI LYN, US
[86] (3080289)
[87] (3080289)
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[25] EN
[54] **MICROBIAL PRODUCTION OF ALKANOLAMIDES AND AMIDOAMINES AND USES THEREOF**
[54] **PRODUCTION MICROBIENNE D'ALCANOLAMIDES ET D'AMIDOAMINES ET LEURS UTILISATIONS**
[72] LUTES, JASON J., US
[72] DEL CARDAYRE, STEPHEN B., US
[73] GENOMATICA, INC., US
[86] (3081178)
[87] (3081178)
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[51] **Int.Cl. G05B 19/418 (2006.01)**
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[54] **COMPOUNDING DEVICE SYSTEM**
[54] **SYSTEME DE DISPOSITIF DE MELANGE**
[72] MARSH, CHARLES, US
[72] MCCUTCHAN, LARRY, US
[73] OMNICELL, INC., US
[85] 2020-05-07
[86] 2018-11-30 (PCT/US2018/063493)
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[25] EN
[54] **NOCTURIA REDUCTION SYSTEM**
[54] **SYSTEME DE REDUCTION DE LA NYCTURIE**
[72] TOONG, HOO-MIN D., US
[73] NEUROSTIM SOLUTIONS LLC, US
[85] 2020-05-11
[86] 2018-10-26 (PCT/US2018/057776)
[87] (WO2019/094208)
[30] US (62/584,790) 2017-11-11
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[51] **Int.Cl. B60R 1/06 (2006.01)**
[25] EN
[54] **CAMERA ARM OF A CAMERA-BASED MIRROR SUBSTITUTE SYSTEM FOR A MOTOR VEHICLE**
[54] **BRAS DE CAMERA D'UN SYSTEME DE RETROVISEUR DE SUBSTITUTION UTILISANT UNE CAMERA POUR UN VEHICULE AUTOMOBILE**
[72] MIETHIG, WERNER, DE
[73] CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH, DE
[85] 2020-05-26
[86] 2018-12-11 (PCT/EP2018/084404)
[87] (WO2019/121177)
[30] DE (10 2017 223 716.3) 2017-12-22
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[25] EN
[54] **MAIZE HYBRID X80R614**
[54] **MAIS AUTOGAME X80R614**
[72] PLEHN, STEVE J., US
[73] AGRIGENETICS, INC., US
[86] (3084612)
[87] (3084612)
[22] 2020-06-22
[30] US (62/867,930) 2019-06-28

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[25] EN
[54] **FORMATION DIP EVALUATION SYSTEM**
[54] **SYSTEME D'EVALUATION DE PENDAGE DE FORMATION**
[72] JOHNSON, PAUL BLAIR, US
[72] MIAO, YANG, US
[72] COMBS, JEREMY JAMES, US
[72] SAINTIVE, RENATA DA GAMA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ROTOR CRAFT INCLUDING VARIABLE BLADE TORSIONAL ANGLE MECHANISM**
[54] **GIRAVION AYANT UN MECANISME DE PAS DE PALE VARIABLE**
[72] HAYASHIDA, ATSUSHI, JP
[72] WAKATSUKI, TADASHI, JP
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2020-06-08
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[25] EN
[54] **ADENO-ASSOCIATED VIRUS (AAV) VECTOR HAVING HYBRID HGF GENE INTRODUCED THERETO**
[54] **VECTEUR DE VIRUS ADENO-ASSOCIE (VAA) COMPRENANT UN GENE HGF HYBRIDE INTRODUIT EN SON SEIN**
[72] YU, SEUNG SHIN, KR
[72] JEONG, JAE GYUN, KR
[72] LEE, JUNG HUN, KR
[72] KIM, SU BIN, KR
[73] HELIXMITH CO., LTD, KR
[85] 2020-06-16
[86] 2018-12-28 (PCT/KR2018/016937)
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[54] **COMBINE HARVESTER CONCAVE BAR AND SEPARATOR GRATE**
[54] **BARRE CONCAVE DE MOISSONNEUSE-BATTEUSE ET GRILLE DE SEPARATEUR**
[72] ROBERTSON, BRIAN G., US
[73] ROBERTSON, BRIAN G., US
[85] 2020-06-24
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[51] **Int.Cl. H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR FEEDING ELECTRICAL POWER INTO AN ELECTRICAL SUPPLY NETWORK**
[54] **PROCEDE D'INJECTION DE PUISSANCE ELECTRIQUE DANS UN RESEAU DE DISTRIBUTION ELECTRIQUE**
[72] QUITMANN, ECKARD, DE
[72] BROMBACH, JOHANNES, DE
[73] WOBBEN PROPERTIES GMBH, DE
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[87] (WO2019/149561)
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[54] **SYSTEM AND METHOD FOR UNIQUE IDENTIFIER DETECTION BASED ON INVISIBLE LIGHT**
[54] **SYSTEME ET PROCEDE DE DETECTION D'IDENTIFIANT UNIQUE BASE SUR UNE LUMIERE INVISIBLE**
[72] GABRIEL, MICHAEL RICHARD, US
[73] INTUIT INC., US
[85] 2020-07-17
[86] 2019-07-30 (PCT/US2019/044152)
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[30] US (16/115,254) 2018-08-28

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[25] EN
[54] **VEGETATION PARTITION WIRE MESH INCLUDING NONWOVEN FABRIC, AND SLOPE GREENING METHOD USING SAME**
[54] **TREILLIS METALLIQUE DE SEPARATION DE VEGETATION COMPORTANT UN TISSU NON TISSE, ET PROCEDE DE VEGETALISATION DE PENTE UTILISANT CE DERNIER**
[72] HAN, NAM SOO, KR
[73] GREEN SPACE CO., LTD., KR
[85] 2020-07-23
[86] 2019-01-21 (PCT/KR2019/000819)
[87] (WO2019/146972)
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[51] **Int.Cl. H04W 48/10 (2009.01) H04W 56/00 (2009.01)**
[25] EN
[54] **CELL INFORMATION ACQUISITION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ACQUISITION D'INFORMATIONS DE CELLULES**
[72] LIU, JING, CN
[72] HUANG, HE, CN
[73] ZTE CORPORATION, CN
[85] 2020-07-29
[86] 2018-02-13 (PCT/CN2018/076723)
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[51] **Int.Cl. B62D 13/00 (2006.01)**
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[54] **STEERING DOLLY**
[54] **CHARIOT DE DIRECTION**
[72] SCHELLER, PATRICK, CA
[72] JOHNSTON, PHIL, CA
[73] ASPEN CUSTOM TRAILERS INC., CA
[86] (3090090)
[87] (3090090)
[22] 2020-08-14

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[13] C
[51] **Int.Cl. A61F 7/02 (2006.01) A61F 7/00 (2006.01) A61H 7/00 (2006.01)**
[25] EN
[54] **PERSONAL CARE TOOL FOR COOLING AND TREATING SKIN**
[54] **ACCESSOIRE DE SOINS PERSONNELS POUR LE REFROIDISSEMENT ET LE TRAITEMENT DE LA PEAU**
[72] CHATEAUVERT, MATTHEW, US
[72] TENNANT, HEIDI, US
[72] KASSOUF, JOYCE, US
[72] WILSON, DAVID, US
[72] PALMER QUINTANO, JENNIFER, US
[73] ELC MANAGEMENT LLC, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016026)
[87] (WO2019/152635)
[30] US (15/887,581) 2018-02-02

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[13] C
[51] **Int.Cl. H01R 43/04 (2006.01) H01R 43/042 (2006.01)**
[25] EN
[54] **CRIMPING TOOL WITH WIRELESS COMMUNICATION SYSTEM**
[54] **OUTIL DE SERTISSAGE A SYSTEME DE COMMUNICATION SANS FIL**
[72] COUCH, CASEY, US
[72] BARTHOLOMEW, PAUL, US
[72] DE-LA-BORBOLLA, IAN RUBIN, US
[73] ABB SCHWEIZ AG, CH
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016115)
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[30] US (62/624,194) 2018-01-31

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[54] **AIRCRAFT INTERIOR LAVATORY**
[54] **TOILETTES D'INTERIEUR D'AERONEF**
[72] COOK, DONALD F., US
[72] HARRINGTON, LIBERTY D., US
[72] STEINER, PHILIPP, US
[72] BRAUER, ROBERT K., US
[72] SKELLY, TREVOR, US
[73] BE INTELLECTUAL PROPERTY, INC., US
[86] (3090437)
[87] (3090437)
[22] 2011-04-19
[62] 2,796,589
[30] US (61/326,198) 2010-04-20
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[30] US (13/089,063) 2011-04-18

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[13] C
[51] **Int.Cl. E03F 5/10 (2006.01) E02B 11/00 (2006.01)**
[25] EN
[54] **COLLECTION TANK FOR SUMP PUMP UNDER BUILDING FLOOR**
[54] **RESERVOIR COLLECTEUR DE POMPE D'ASSECHEMENT SOUS LE PLANCHER D'UN BATIMENT**
[72] CASCIANO, PAUL, CA
[73] LYON HOLDINGS LTD., CA
[86] (3090602)
[87] (3090602)
[22] 2020-08-20
[30] US (62/890,356) 2019-08-22

[11] **3,091,015**
[13] C
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01) C07D 241/18 (2006.01) C07D 241/20 (2006.01) C07D 403/14 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PD-1/PD-L1 INHIBITORS**
[54] **INHIBITEURS PD -1/PD-L1**
[72] AKTOUDIANAKIS, EVANGELOS, US
[72] CHO, AESOP, US
[72] DU, ZHIMIN, US
[72] GRAUPE, MICHAEL, US
[72] LAD, LATESHKUMAR THAKORLAL, US
[72] MACHICAO TELLO, PAULO A., US
[72] MEDLEY, JONATHAN WILLIAM, US
[72] METOBO, SAMUEL E., US
[72] MUKHERJEE, PRASENJIT KUMAR, US
[72] NADUTHAMBI, DEVAN, US
[72] PARKHILL, ERIC Q., US
[72] PHILLIPS, BARTON W. (DECEASED), US
[72] SIMONOVICH, SCOTT PRESTON, US
[72] SQUIRES, NEIL H., US
[72] WANG, PEIYUAN, US
[72] WATKINS, WILLIAM J., US
[72] XU, JIE, US
[72] YANG, KIN SHING, US
[72] ZIEBENHAUS, CHRISTOPHER ALLEN, US
[73] GILEAD SCIENCES, INC., US
[85] 2020-08-11
[86] 2019-02-12 (PCT/US2019/017721)
[87] (WO2019/160882)
[30] US (62/630,187) 2018-02-13
[30] US (62/640,534) 2018-03-08
[30] US (62/763,116) 2018-04-19
[30] US (62/747,029) 2018-10-17

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[13] C
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/90 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE**
[54] **APPAREIL POUR PRODUIRE DES AEROSOLS**
[72] YOON, SUNG WOOK, KR
[73] KT&G CORPORATION, KR
[85] 2020-08-24
[86] 2020-04-23 (PCT/KR2020/005391)
[87] (WO2020/218855)
[30] KR (10-2019-0048608) 2019-04-25

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[13] C
[51] **Int.Cl. H04W 24/08 (2009.01) H04W 24/10 (2009.01)**
[25] EN
[54] **METHOD FOR REPORTING SRS POWER HEADROOM, TERMINAL DEVICE, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE DE SIGNALEMENT DE MARGE DE PUISSANCE DE SRS, DISPOSITIF TERMINAL ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-09-04
[86] 2018-03-07 (PCT/CN2018/078347)
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[13] C
[51] **Int.Cl. F16C 35/04 (2006.01) F16C 19/38 (2006.01) F16C 33/50 (2006.01) F16C 33/60 (2006.01) F16C 35/063 (2006.01) F16C 35/067 (2006.01) F16C 43/04 (2006.01)**
[25] EN
[54] **SPLIT TAPERED ROLLER BEARING**
[54] **ROULEMENT A ROULEAUX CONIQUES FENDUS**
[72] DENT, NICK, GB
[72] WERNER, BRIAN, US
[72] WILMER, MATTHEW, US
[72] HAGER, CARL H., US
[72] STANCIU, DANIEL F., RO
[73] THE TIMKEN COMPANY, US
[85] 2020-09-04
[86] 2018-07-19 (PCT/US2018/042798)
[87] (WO2020/018096)

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[13] C
[51] **Int.Cl. C07C 303/06 (2006.01) C07C 303/44 (2006.01)**
[25] EN
[54] **COMPOUNDS, PROCESSES, AND MACHINERY FOR CONVERTING METHANE GAS INTO METHANE-SULFONIC ACID**
[54] **COMPOSES, PROCEDES ET EQUIPEMENT POUR CONVERTIR DU GAZ METHANE EN ACIDE METHANESULFONIQUE**
[72] RICHARDS, ALAN K., US
[73] VEOLIA NORTH AMERICA REGENERATION SERVICES, LLC, US
[85] 2020-09-08
[86] 2019-04-25 (PCT/US2019/029024)
[87] (WO2019/212835)

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[51] **Int.Cl. G01V 1/50 (2006.01) E21B 47/00 (2012.01) G01V 1/52 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR APPLICATION OF ELASTIC PROPERTY CONSTRAINTS TO PETRO-ELASTIC SUBSURFACE RESERVOIR MODELING**
[54] **SYSTEME ET PROCEDE D'APPLICATION DE CONTRAINTES DE PROPRIETES ELASTIQUES A UNE MODELISATION DE RESERVOIR SOUTERRAIN PETRO-ELASTIQUE**
[72] ALFI, MASOUD, US
[72] RAMSAY, TRAVIS ST. GEORGE, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-09-10
[86] 2018-05-08 (PCT/US2018/031570)
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[51] **Int.Cl. B65D 41/34 (2006.01)**
[25] EN
[54] **SECURING DEVICE FOR A TAPPING ARMATURE**
[54] **DISPOSITIF DE SECURITE POUR UNE ROBINETTERIE DE SOUTIRAGE**
[72] KLATT, BERND, DE
[72] WERNER, CHRISTIAN, DE
[73] PROTECHNA S.A., CH
[85] 2020-09-11
[86] 2019-03-29 (PCT/EP2019/058003)
[87] (WO2019/197178)
[30] DE (10 2018 108 755.1) 2018-04-12

[11] **3,094,183**
[13] C
[51] **Int.Cl. E21B 7/04 (2006.01) E21B 44/02 (2006.01)**
[25] EN
[54] **MODEL-BASED PARAMETER ESTIMATION FOR DIRECTIONAL DRILLING IN WELLBORE OPERATIONS**
[54] **ESTIMATION DE PARAMETRES BASEE SUR UN MODELE POUR FORAGE DIRECTIONNEL DANS DES OPERATIONS DE PUITS DE FORAGE**
[72] QUATTRONE, FRANCESCO, US
[72] HANSEN, CHRISTIAN, US
[72] HOEHN, OLIVER, US
[72] KOENEKE, JOERN, US
[72] MORABITO, BRUNO, US
[72] FINDEISEN, ROLF, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2020-09-16
[86] 2019-03-25 (PCT/US2019/023874)
[87] (WO2019/190982)
[30] US (15/935,659) 2018-03-26

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[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **NEIGHBOR RELATIONSHIP MAINTENANCE METHOD AND APPARATUS, AND NETWORK DEVICE**
[54] **PROCEDE ET APPAREIL D'ENTRETIEN DE RELATION DE VOISINAGE, ET DISPOSITIF DE RESEAU**
[72] WANG, SHUKUN, CN
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-09-17
[86] 2018-09-18 (PCT/CN2018/106286)
[87] (WO2020/056596)

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[51] **Int.Cl. B29C 64/124 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/00 (2020.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FORMING AN ARTICLE**
[54] **APPAREIL ET PROCEDE DE FORMATION D'UN ARTICLE**
[72] PERIGO, ELIO ALBERTO, US
[72] MURPHY, KATHRYN F., US
[72] GHOUL, CHERIF, US
[72] KADOKA, JONAH, US
[72] HETRICH, MATTHEW, US
[72] ZANT, NIKOLAUS, US
[72] KASZA, KRZYSZTOF, PL
[72] MATYSIAK, LUKASZ, PL
[72] SEKULA, ROBERT, PL
[72] MALINOWSKI, LUKASZ, PL
[72] ROCKS, JENS, CH
[73] HITACHI ENERGY SWITZERLAND AG, CH
[85] 2020-09-17
[86] 2019-04-01 (PCT/US2019/025110)
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[30] US (15/946,999) 2018-04-06

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[25] EN
[54] **COMBINATION PRODUCT OF BCL-2 INHIBITOR OR BCL-2/BCL-XL DUAL INHIBITOR AND BTK INHIBITOR AND USE THEREOF IN THE PREVENTION AND/OR TREATMENT OF DISEASES**
[54] **PRODUIT DE COMBINAISON D'UN INHIBITEUR DE BCL-2 OU D'UN INHIBITEUR DOUBLE DE BCL-2/BCL-XL ET D'UN INHIBITEUR DE BTK ET SON UTILISATION DANS LA PREVENTION ET/OU LE TRAITEMENT DE MA LADIES**
[72] YANG, DAJUN, CN
[72] ZHAI, YIFAN, CN
[72] FANG, DOUGLAS DONG, CN
[72] WANG, GUANGFENG, CN
[72] ZHAI, GUOQIN, CN
[73] ASCENTAGE PHARMA (SUZHOU) CO., LTD., CN
[85] 2020-09-18
[86] 2019-07-30 (PCT/CN2019/098252)
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[51] **Int.Cl. A61K 8/73 (2006.01) A61K 8/02 (2006.01) A61K 8/04 (2006.01) A61Q 5/06 (2006.01)**
[25] EN
[54] **HAIR STYLING COMPOSITIONS COMPRISING POLYGALACTOMANANS, AND METHOD FOR USING THE SAME**
[54] **COMPOSITIONS DE COIFFURE COMPRENANT DES POLYGALACTOMANNANES, ET LEUR METHODE D'UTILISATION**
[72] STREULI, DAVID C., US
[72] KROON, GIJSBERT, NL
[72] VENTURA, CRISTINA RAE, US
[73] ISP INVESTMENTS LLC, US
[85] 2020-09-22
[86] 2019-04-01 (PCT/US2019/025101)
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[30] US (62/650,747) 2018-03-30

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[51] **Int.Cl. B61H 13/00 (2006.01) B61H 11/02 (2006.01)**
[25] EN
[54] **RAIL SUPPORT PLATFORM**
[54] **PLATEFORME DE SUPPORT DE RAIL**
[72] MOTAZEDI, ERIC, US
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (3094991)
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[25] EN
[54] **CHARACTERISTICS OF TUNABLE ADSORBENTS FOR RATE SELECTIVE SEPARATION OF NITROGEN FROM METHANE**
[54] **CARACTERISTIQUES D'ADSORBANTS ACCORDABLES POUR LA SEPARATION SELECTIVE D'AZOTE A PARTIR DE METHANE**
[72] STUCKERT, NICHOLAS R., US
[72] PONTONIO, STEVEN J., US
[72] STEPHENSON, NEIL A., US
[72] BARRETT, PHILIP A., US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-09-24
[86] 2019-03-28 (PCT/US2019/024581)
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[30] US (62/649,798) 2018-03-29

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[54] **AUTOMATIC GRINDER AND GRINDING METHOD THEREOF**
[54] **BROYEUR AUTOMATIQUE ET MODE D'EMPLOI**
[72] LIU, ALEX, US
[72] LIU, HONGJIN, CN
[73] SHENZHEN ELEMEX TECHNOLOGY, LTD, CN
[85] 2020-09-26
[86] 2018-11-12 (PCT/CN2018/115046)
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[25] EN
[54] **A TAMPER-EVIDENT COVER**
[54] **COUVERCLE INVIOLABLE**
[72] WHITE, NICK, GB
[72] SILLITOE, CHRIS, GB
[73] BIO PURE TECHNOLOGY LIMITED, GB
[86] (3095886)
[87] (3095886)
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[62] 3,015,952
[30] GB (1606951.0) 2016-04-21
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[25] EN
[54] **DEVICE AND METHOD FOR PROVIDING IMMERSION COOLING IN A COMPACT-FORMAT CIRCUIT CARD ENVIRONMENT**
[54] **DISPOSITIF ET PROCEDE PERMETTANT DE FOURNIR UN REFROIDISSEMENT PAR IMMERSION DANS UN ENVIRONNEMENT DE CARTES DE CIRCUIT A FORMAT COMPACT**
[72] CHRISTIANSEN, MARTIN BROKNER, US
[72] ISLER, BRUCE RYAN, US
[72] VAN DYKE, JONATHAN FRANCIS, US
[72] VOIGT, ROBERT J., US
[72] LIU, BENJAMIN CHAONING, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-10-06
[86] 2019-03-29 (PCT/US2019/024857)
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[51] **Int.Cl. H04W 72/0446 (2023.01)**
[25] EN
[54] **METHOD, TERMINAL EQUIPMENT AND NETWORK EQUIPMENT FOR REPEATEDLY TRANSMITTING INFORMATION**
[54] **PROCEDE, EQUIPEMENT TERMINAL ET EQUIPEMENT DE RESEAU PERMETTANT DE TRANSMETTRE DES INFORMATIONS DE FACON REPETEE**
[72] LIN, YANAN, CN
[72] XU, JING, CN
[72] SHI, CONG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[51] **Int.Cl. B65D 5/66 (2006.01) B31B 50/59 (2017.01) B65D 5/00 (2006.01)**
[25] EN
[54] **CLAMSHELL PACKAGING FOR AIRTIGHT PACKAGING OF FOODSTUFF**
[54] **BLISTER DOUBLE COQUE POUR EMBALLAGE ETANCHE A L'AIR DE PRODUITS ALIMENTAIRES**
[72] ZWAGA, RONALD, NL
[72] BUIS, GERRIT ARIE, NL
[72] TASMA, ALAIN WIETSE BASTIAAN, NL
[72] DE OLDE, REMI, NL
[73] PACKABLE B.V., NL
[85] 2020-10-15
[86] 2019-04-11 (PCT/EP2019/059297)
[87] (WO2019/201746)
[30] EP (18167996.0) 2018-04-18

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[51] **Int.Cl. B23P 19/06 (2006.01) B23K 11/14 (2006.01)**
[25] EN
[54] **FEEDING ROD FOR SHAFT-SHAPED COMPONENT AND FEEDING METHOD**
[54] **TIGE D'ALIMENTATION POUR PIECE DE TYPE ARBRE, ET PROCEDE D'ALIMENTATION**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[73] AOYAMA, SHOJI, JP
[85] 2020-10-20
[86] 2019-03-29 (PCT/JP2019/014139)
[87] (WO2019/220793)
[30] JP (2018-107262) 2018-05-17

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[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVING VISCOUS MATERIALS IN METAL ARTICLE PROCESSING**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE MATERIAUX VISQUEUX DANS LE TRAITEMENT D'ARTICLE METALLIQUE**
[72] BECKER, HEINZ WERNER, CA
[72] LEMAY, REJEAN, CA
[72] HOBBIS, ANDREW JAMES, CA
[72] GAENSBAUER, DAVID ANTHONY, US
[73] NOVELIS INC., US
[85] 2020-10-22
[86] 2019-06-13 (PCT/US2019/037036)
[87] (WO2019/241547)
[30] US (62/684,446) 2018-06-13

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[13] C
[51] **Int.Cl. E21B 23/01 (2006.01) E21B 33/12 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **DEGRADABLE ANCHORING DEVICE WITH GAVANIC CORROSION RESISTANT COMPONENT INTERFACE**
[54] **DISPOSITIF D'ANCRAGE DEGRADABLE POSSEDANT UNE INTERFACE DE COMPOSANTE RESISTANTE A LA CORROSION**
[72] ZHANG, ZHIHUI, US
[72] XU, YINGQING, US
[72] XU, ZHIYUE, US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[86] (3098214)
[87] (3098214)
[22] 2020-11-05
[30] US (16/680,789) 2019-11-12

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[51] **Int.Cl. E06B 3/54 (2006.01)**
[25] EN
[54] **INSULATING GLAZING UNIT**
[54] **ENSEMBLE VITRAGE ISOLANT**
[72] HOLTSTIEGE, THOMAS, DE
[72] DROGE, ALICIA, DE
[72] EFFERTZ, CHRISTIAN, DE
[72] MARJAN, CHRISTOPHER, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-11-02
[86] 2019-05-08 (PCT/EP2019/061760)
[87] (WO2019/219462)
[30] EP (18172065.7) 2018-05-14

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[51] **Int.Cl. F22B 21/22 (2006.01) F22B 27/04 (2006.01) F22B 27/12 (2006.01) F23J 1/00 (2006.01) F28D 11/02 (2006.01)**
[25] EN
[54] **WATER-TUBE BOILER WITH CONCENTRIC HEAT-EXCHANGE COILS WITH ASH-REMOVAL SYSTEM**
[54] **CHAUDIERE AQUATUBULAIRE A SERPENTINS CONCENTRIQUES POUR L'ECHANGE THERMIQUE AVEC UN SYSTEME D'ELIMINATION DES CENDRES**
[72] MAS SANZ, XAVIER, ES
[73] MAS SANZ, XAVIER, ES
[85] 2020-11-04
[86] 2019-02-11 (PCT/ES2019/070071)
[87] (WO2019/215355)
[30] ES (P201830460) 2018-05-10

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[51] **Int.Cl. B03B 7/00 (2006.01) B03B 9/00 (2006.01)**
[25] EN
[54] **UNDERGROUND COAL SEPARATION PROCESS**
[54] **PROCEDE DE SEPARATION DE CHARBON SOUTERRAIN**
[72] GUI, XIAHUI, CN
[72] LIU, MIN, CN
[72] XING, YAOWEN, CN
[72] XIA, YANGCHAO, CN
[72] CAO, YIJUN, CN
[72] LUO, JIAQIAN, CN
[72] LIU, PEIKUN, CN
[72] WANG, ZHIGANG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[73] JINYITONG SCI.&TECH. BEIJING, CN
[85] 2020-11-05
[86] 2019-04-22 (PCT/CN2019/083665)
[87] (WO2020/181618)
[30] CN (201910174675.0) 2019-03-08

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[51] **Int.Cl. A41D 13/02 (2006.01) A62B 35/00 (2006.01) A62B 17/00 (2006.01)**
[25] EN
[54] **SAFETY GARMENT SYSTEM**
[54] **SYSTEME DE VETEMENT DE SECURITE**
[72] RUTTEN, MICHAEL, CA
[72] MCLEOD, KRISTOFER, CA
[73] RUTTEN, MICHAEL, CA
[73] MCLEOD, KRISTOFER, CA
[86] (3099576)
[87] (3099576)
[22] 2020-11-18
[30] US (17/022,688) 2020-09-16

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[13] C
[51] **Int.Cl. B25B 13/06 (2006.01) B25B 13/46 (2006.01) B25B 23/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY ISOLATED ADAPTER**
[54] **ADAPTATEUR ISOLE ELECTRIQUEMENT**
[72] MESNIL, PIERRE, US
[72] DE SWARDT, ROLF REITZ, US
[73] APEX BRANDS, INC., US
[85] 2020-11-12
[86] 2019-06-24 (PCT/US2019/038668)
[87] (WO2020/005805)
[30] US (62/690,047) 2018-06-26

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[13] C
[51] **Int.Cl. C12H 3/04 (2019.01)**
[25] EN
[54] **METHOD FOR DEALCOHOLIZATION OF BEVERAGES**
[54] **PROCEDE DE DESALCOOLISATION DE BOISSONS**
[72] BANNERT, SEBASTIAN, DE
[72] VERHUELSDONK, MARCUS, DE
[72] ZAVREL, MICHAEL, DE
[72] GENSLER, SVEN, DE
[73] CLARIANT PRODUKTE (DEUTSCHLAND) GMBH, DE
[85] 2020-11-19
[86] 2019-06-12 (PCT/EP2019/065420)
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[30] EP (18178377.0) 2018-06-18

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[13] C
[51] **Int.Cl. A01K 1/03 (2006.01) A01K 1/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING AIR FLOW IMPURITY**
[54] **PROCEDE ET SYSTEME POUR SURVEILLER LES IMPURETES DANS LA CIRCULATION D`AIR**
[72] COIRO, JOHN M., US
[72] BILECKI, BRIAN M., US
[72] MILLER, STEVEN, US
[73] ALLENTOWN, LLC, US
[86] (3101445)
[87] (3101445)
[22] 2020-12-02
[30] US (16/705,311) 2019-12-06

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[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/575 (2006.01) A61K 31/58 (2006.01) A61P 31/18 (2006.01) C07J 43/00 (2006.01) C07J 53/00 (2006.01)**
[25] EN
[54] **TRITERPENE AMINE DERIVATIVES**
[54] **DERIVES D'AMINE TRITERPENIQUE**
[72] NITZ, THEODORE J., US
[72] WILD, CARL T., US
[72] MARTIN, DAVID E., US
[72] FREED, ERIC O., US
[73] DFH THERAPEUTICS, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-11-25
[86] 2019-06-28 (PCT/US2019/039981)
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[30] US (62/692,071) 2018-06-29

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[25] EN
[54] **BURNER CAP**
[54] **CHAPEAU DE BRULEUR**
[72] ZHANG, BO, CN
[72] LIU, XIAOGANG, CN
[72] XU, QIANG, CN
[72] ZHENG, JUNMEI, CN
[73] NINGBO FOTILE KITCHEN WARE CO., LTD., CN
[85] 2020-11-26
[86] 2019-03-13 (PCT/CN2019/077985)
[87] (WO2019/233152)
[30] CN (201810560224.6) 2018-06-03

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[51] **Int.Cl. B60T 7/08 (2006.01) B60T 7/02 (2006.01)**
[25] EN
[54] **ONE TOUCH TYPE AUXILIARY BRAKE FOR DRIVING TRAINING**
[54] **FREIN AUXILIAIRE DE TYPE A EFFLEUREMENT POUR COURS DE CONDUITE**
[72] OH, JUN WOO, KR
[73] OH, JUN WOO, KR
[85] 2020-11-26
[86] 2020-10-20 (PCT/KR2020/014345)
[87] (WO2021/080293)
[30] KR (10-2019-0133928) 2019-10-25

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[51] **Int.Cl. A61K 31/365 (2006.01) A61P 33/14 (2006.01)**
[25] EN
[54] **USE OF MILBEMYCIN OXIME AGAINST SEA LICE ON FISH**
[54] **UTILISATION D'OXIME DE MILBEMYCINE CONTRE LES POUX DE MER SUR LES POISSONS**
[72] ANDERSEN, RACHMILLA SOUHOKA, NO
[72] FEIJTER KARLSEN, MARIUS ANDRE DE, NO
[72] WIIK-NIELSEN, CHRISTER ROSS, NO
[73] PHARMAQ AS, NO
[85] 2020-12-08
[86] 2019-06-14 (PCT/US2019/037143)
[87] (WO2019/245891)
[30] US (62/686,707) 2018-06-19

[11] **3,103,461**
[13] C
[51] **Int.Cl. C09D 7/43 (2018.01)**
[25] EN
[54] **COARSE PARTICLE SOLID NONIONIC SYNTHETIC ASSOCIATIVE THICKENERS FOR PAINT FORMULATIONS AND METHODS FOR PRODUCING THE SAME**
[54] **EPAISSISSANTS ASSOCIATIFS SYNTHETIQUES NON IONIQUES SOLIDES A PARTICULES GROSSIERES POUR FORMULATIONS DE PEINTURE ET LEURS PROCEDES DE PRODUCTION**
[72] VAYNBERG K., ABRAHAM, US
[73] HERCULES LLC, US
[85] 2020-12-10
[86] 2019-06-13 (PCT/US2019/036923)
[87] (WO2019/241487)
[30] US (62/685,478) 2018-06-15

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[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/337 (2006.01) A61K 31/513 (2006.01) A61K 31/675 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINED USE OF PERTUZUMAB, TRASTUZUMAB, AND DOCETAXEL FOR TREATMENT OF HER2-POSITIVE BREAST CANCER**
[54] **UTILISATION COMBINEE DU PERTUZUMAB, DU TRASTUZUMAB ET DU CARBOPLATINE POUR LE TRAITEMENT NEOADJUVANT DU CANCER DU SEIN HER2 POSITIF AU STADE PRECOCE**
[72] ALAVATTAM, SREEDHARA, US
[72] AMLER, LUKAS C., US
[72] BENYUNES, MARK C., US
[72] CLARK, EMMA L., GB
[72] DE TOLEDO PELIZON, CHRISTINA H., CH
[72] KWONG GLOVER, ZEPHANIA W., US
[72] MITCHELL, LADA, CH
[72] RATNAYAKE, JAYANTHA, GB
[72] ROSS, GRAHAM A., GB
[72] WALKER, RU-AMIR, US
[73] GENENTECH, INC., US
[86] (3104165)
[87] (3104165)
[22] 2012-08-29
[62] 2,788,253
[30] US (61/547,535) 2011-10-14
[30] US (61/567,015) 2011-12-05
[30] US (61/657,669) 2012-06-08
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[54] **SALT OF MONOCHLOROACETIC ACID WITH CHELATING AGENT FOR DELAYED ACIDIFICATION IN THE OIL FIELD INDUSTRY**
[54] **SEL D'ACIDE MONOCHLOROACETIQUE AVEC AGENT CHELATANT POUR UNE ACIDIFICATION RETARDEE DANS L'INDUSTRIE DES CHAMPS PETROLIFERES**
[72] VAN LARE, CORNELIS ELIZABETH JOHANNUS, NL
[72] LEON MATHEUS, MARIA ANTONIETA, NL
[72] SCHUTTE, JANNES, NL
[72] KOOIJMAN, CORNELIS, NL
[73] NOURYON CHEMICALS INTERNATIONAL B.V., NL
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[54] **SYSTEMS AND METHODS FOR INTELLIGENT DISINFECTION OF DISINFECTION ENVIRONMENTS THROUGH USE OF ULTRA-VIOLET LIGHTS**
[54] **SYSTEMES ET PROCEDES DE DESINFECTION INTELLIGENTE D'ENVIRONNEMENTS DE DESINFECTION GRACE A L'UTILISATION DE LUMIERES ULTRAVIOLETTES**
[72] KUPA, TIMUR, US
[72] HERRERA, RENE, US
[72] SONGKAKUL, PORNSAK, US
[73] SIEMENS INDUSTRY, INC., US
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[54] **TRAILER STABILIZER**
[54] **STABILISATEUR DE REMORQUE**
[72] KIMENER, ROBERT PETER, US
[72] KIMENER, THOMAS TERRENCE, US
[72] WAHLSTROM, DANIEL, US
[73] STABILOCK, LLC, US
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING MITOCHONDRIAL FUNCTION AND TREATING NEURODEGENERATIVE DISEASES AND COGNITIVE DISORDERS**
[54] **COMPOSITIONS ET METHODES D'AMELIORATION DE LA FONCTION MITOCHONDRIALE ET DE TRAITEMENT DE MALADIES NEURODEGENERATIVES ET DE TROUBLES COGNITIFS**
[72] RINSCH, CHRISTOPHER L., CH
[72] BLANCO-BOSE, WILLIAM, CH
[72] SCHNEIDER, BERNARD, CH
[72] THOMAS, CHARLES, CH
[72] SANDI, CARMEN, CH
[72] AUWERX, JOHAN, CH
[72] ANDREUX, PENELOPE, CH
[72] HOUTKOOPER, RICHARDUS, CH
[72] PIRINEN, EIJA, CH
[72] MOUCHIROUD, LAURENT, CH
[72] GENOUX, DAVID, CH
[73] AMAZENTIS SA, CH
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[54] **BIOFEEDBACK FOR ALTERING GAIT**
[54] **RETROACTION BIOLOGIQUE POUR MODIFIER LA MARCHE**
[72] SASHEN, STEVEN, US
[73] FEEL THE WORLD, INC. D/B/A XERO SHOES, US
[85] 2021-02-17
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[54] **MANUFACTURING METHOD OF BORON NITRIDE NANOMATERIAL AND BORON NITRIDE NANOMATERIAL, MANUFACTURING METHOD OF COMPOSITE MATERIAL AND COMPOSITE MATERIAL, AND METHOD OF PURIFYING BORON NITRIDE NANOMATERIAL**
[54] **PROCEDE DE FABRICATION D'UN NANOMATERIAU DE NITRURE DE BORE ET NANOMATERIAU DE NITRURE DE BORE, PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE ET MATERIAU COMPOSITE, ET METHODE DE PURIFICATION DU NANOMATERIAU DE NITRURE DE BORE**
[72] OKAI, MAKOTO, JP
[73] HITACHI METALS, LTD., JP
[73] TEKNA PLASMA SYSTEMS INC., CA
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[54] **NON-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING SLAB USED AS MATERIAL FOR THE SAME**
[54] **TOLE MINCE EN ACIER ELECTRIQUE NON ORIENTEE ET METHODE DE FABRICATION DE LA BANDE DE METAL UTILISEE COMME MATERIAU DE LADITE TOLE**
[72] HARADA, AKIFUMI, JP
[72] MATSUI, AKITOSHI, JP
[72] ODA, YOSHIHIKO, JP
[72] OKUBO, TOMOYUKI, JP
[72] UESAKA, MASANORI, JP
[73] JFE STEEL CORPORATION, JP
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[54] **CALIBRATION ADAPTOR BRACKET, APPARATUS AND METHOD**
[54] **SUPPORT D'ADAPTATEUR D'ETALONNAGE, APPAREIL ET METHODE**
[72] YELLE, JEAN-CLAUDE, CA
[72] BRISSON, SAMUEL, CA
[72] PLANTE, ZACHARY, CA
[73] CAE INC., CA
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[54] **TEE UNION BALL DRAIN VALVE**
[54] **CLAPET DE VIDANGE A BILLE A RACCORD TE UNION**
[72] MASON, CHRISTOPHER WILLIAM, US
[73] NIBCO INC., US
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[54] **LEAF SPRING, MANUFACTURING PROCESS AND MOULD OF THAT LEAF SPRING**
[54] **RESSORT A LAME, PROCEDE DE FABRICATION ASSOCIE ET MOULE DUDIT RESSORT**
[72] RUIZ DEALBERT, MIGUEL, ES
[72] ESTAL VERA, ROBERTO, ES
[72] SALAMERO LAORDEN, JUAN, ES
[73] MUELLES Y BALLESTAS HISPANO-ALEMANAS PROJECTS, S.L., ES
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[54] **VACCINE AGAINST BETA-HERPESVIRUS INFECTION AND USE THEREOF**
[54] **VACCIN CONTRE UNE INFECTION A VIRUS HERPES BETA ET UTILISATION CORRESPONDANTE**
[72] THIRION, CHRISTIAN, DE
[72] KOSZINOWSKI, ULRICH, DE
[72] MOHR, CHRISTIAN A., DE
[72] RUZSICS, ZSOLT, DE
[73] THIRION, CHRISTIAN, DE
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[54] **METHOD FOR RETRIEVING A MOBILE PLATFORM FROM A TANK HAVING ENERGETIC SUBSTANCES**
[54] **METHODE POUR RECUPERER UNE PLATEFORME MOBILE D'UN RESERVOIR CONTENANT DES SUBSTANCES ENERGETIQUES**
[72] MEYERS, JULIAN W., US
[73] TANKBOTS, INC., US
[85] 2021-12-07
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[54] **VAPORIZATION DEVICE SYSTEMS AND METHODS**
[54] **DISPOSITIF, SYSTEMES ET PROCEDES DE VAPORISATION**
[72] MONSEES, JAMES, US
[72] BOWEN, ADAM, US
[72] HATTON, NICHOLAS, US
[72] CHRISTENSEN, STEVEN, US
[72] ATKINS, ARIEL, US
[72] MORENSTEIN, JOSHUA, US
[72] HIBMACRONAN, CHRISTOPHER NICHOLAS, US
[73] JUUL LABS, INC., US
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[54] **AGRICULTURAL MIXTURES COMPRISING CARBOXAMIDE COMPOUND**
[54] **MELANGES AGRICOLES COMPRENANT UN COMPOSE CARBOXAMIDE**
[72] GEWEHR, MARKUS, DE
[72] SIKULJAK, TATJANA, DE
[73] BASF AGROCHEMICAL PRODUCTS B.V., NL
[86] (3134748)
[87] (3134748)
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[54] **COMPOSITE WEAR COMPONENT**
[54] **COMPOSANT D'USURE COMPOSITE**
[72] DESILES, STEPHANE, BE
[72] LEPOINT, FRANCOIS, BE
[72] TAS, BURHAN, BE
[73] MAGOTTEAUX INTERNATIONAL S.A., BE
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[54] **PROTECTEURS DE BANDE A UTILISER DANS UN OUTIL DE FOND DE TROU**
[72] ROBERTSON, MICHAEL C., US
[72] GRATTAN, ANTONY F., US
[72] STREIBICH, DOUGLAS J., US
[72] STEPHENS, AMY C., US
[73] ROBERTSON INTELLECTUAL PROPERTIES, LLC, US
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[54] **PANNEAU A COPEAUX ORIENTES (OSB) IGNIFUGE**
[72] JIN, LEHONG, US
[72] HUMPHREY, DAVID, AU
[72] RASSAM, GHONCHE, NZ
[72] ZIVKOVIC, OLIVERA, US
[72] ADEKUNLE, ADEGOKE, US
[72] HURLEY, JAMES, US
[72] THOMASON, SUSAN, US
[73] ARXADA, LLC, US
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[54] **BARRE D'ECLABOUSSEMENT DE TOUR DE REFROIDISSEMENT ET ENSEMBLE ASSOCIE**
[72] KULICK, FRANK M., III, US
[72] BOWMAN, CHRISTOPHER, US
[72] GAVENAS, NICHOLAS, US
[73] BRENTWOOD INDUSTRIES, INC., US
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[54] **GRIPPING APPARATUS AND DEVICES FOR PLUGGING OF PIPES, ORIFICES OR CONNECTING**
[54] **APPAREIL ET DISPOSITIFS DE PREHENSION PERMETTANT L'OBTURATION DE TUYAUX, D'ORIFICES OU LE RACCORDEMENT**
[72] SUE, CASEY, US
[72] DE LEON, JOHN REY, US
[72] SALLEE, RICHARD, US
[73] USA INDUSTRIES, LLC, US
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[54] **FILMS AND BAGS HAVING GRADIENT DEFORMATION PATTERNS**
[54] **FILMS ET SACS A PROFILS DE PENTE DE DEFORMATION**
[72] TUCKER, EDWARD B., US
[72] DORSEY, ROBERT T., US
[72] ZHU, RANYI, US
[72] FITES, THEODORE CORY, US
[72] VIDOVIC, ZELJKO, US
[72] BORCHARDT, MICHAEL G., US
[72] MAXWELL, JASON R., US
[72] BROERING, SHAUN T., US
[72] PECK, DANIEL C., US
[73] THE GLAD PRODUCTS COMPANY, US
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[54] **ANTICORPS MONOCLONAL ANTI-VEGF HUMANISE**
[72] XIE, LIANGZHI, CN
[72] SUN, CHUNYUN, CN
[72] WANG, RUI, CN
[72] ZHANG, XIAO, CN
[73] SINOCELLTECH LTD., CN
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[25] EN
[54] **PREPARATION METHOD OF PTFE-BASED NANO FUNCTIONAL COMPOSITE MEMBRANE AND USE**
[54] **METHODE DE PREPARATION DE MEMBRANE NANOCOMPOSITE FONCTIONNELLE A BASE DE POLYMERE DE POLY(TETRAFLUOROETHYLENE) ET UTILISATION**
[72] XIANG, XIN, CN
[72] LIU, JIANPING, CN
[72] WU, JIANHUA, CN
[72] SUN, ZHIYU, CN
[72] ZHU, YAWEI, CN
[72] LI, WENWEI, CN
[72] SHUAI, ZHENGFENG, CN
[72] WU, HONG, CN
[72] ZHAO, JINGXIN, CN
[72] ZHAO, JINQUAN, CN
[72] WU, JIANPING, CN
[73] CHINA THREE GORGES CORPORATION, CN
[73] CHINA THREE GORGES RENEWABLES(GROUP)CO., LTD., CN
[73] NANJING HAOHUI HI TECH CO., LTD., CN
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[54] **METHOD FOR COMMUNICATING BETWEEN SOFTWARE ENTITIES VIA AN API**
[54] **PROCEDE DE COMMUNICATION ENTRE DES ENTITES LOGICIELLES VIA UNE API**
[72] NGUYEN DINH HIEN, MICHAEL THIEN BAO, FR
[72] JAULIN, JEAN-PHILIPPE, FR
[73] SAGEMCOM BROADBAND SAS, FR
[85] 2022-03-09
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[54] **METHOD TO PREPARE AN AVIATION FUEL COMPONENT**
[54] **PROCEDE DE PREPARATION D'UN COMPOSANT DE CARBURANT D'AVIATION**
[72] KIISKI, ULLA, FI
[72] LIKANDER, SALLA, FI
[72] SANDBERG, KATI, FI
[72] SAIKKONEN, PIRJO, FI
[73] NESTE OYJ, FI
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[54] **FILL SHEETS AND RELATED FILL PACK ASSEMBLIES**
[54] **FEUILLES DE REMPLISSAGE ET ENSEMBLES DE SUPPORTS DE REMPLISSAGE ASSOCIES**
[72] EDWARDS, BRIAN, US
[72] BHAT, ADITYA, US
[72] KULICK, FRANK M., III, US
[73] BRENTWOOD INDUSTRIES, INC., US
[85] 2022-05-03
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[30] US (62/951,365) 2019-12-20
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[51] **Int.Cl. G06F 9/451 (2018.01) H04B 1/401 (2015.01) G06F 9/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANAGING FEATURE BASED USER INPUT ROUTING IN A MULTI-PROCESSOR ARCHITECTURE USING SINGLE USER INTERFACE CONTROL**
[54] **PROCEDE ET APPAREIL POUR GERER UN ROUTAGE D'ENTREE D'UTILISATEUR BASE SUR DES CARACTERISTIQUES DANS UNE ARCHITECTURE A PROCESSEURS MULTIPLES A L'AIDE D'UNE COMMANDE D'INTERFACE UTILISATEUR UNIQUE**
[72] LEY, DAVID J., US
[72] ROBAINA, CARLOS J., US
[72] ANTILLA, MARK, US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2022-04-07
[86] 2020-10-19 (PCT/US2020/056262)
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[51] **Int.Cl. H04M 11/04 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHOD FOR DUPLICATE CALL HANDLING AT A PUBLIC-SAFETY ANSWERING POINT DEVICE**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE GESTION DE DOUBLE APPEL AU NIVEAU D'UN DISPOSITIF DE CENTRE DE PRISE D'APPELS POUR LA SECURITE DU PUBLIC**
[72] SCHULER, FRANCESCA, US
[72] DURAN, JAMES C., US
[72] BONNEY, ALLEN F., US
[72] BLACKSHEAR, CHRISTOPHER E., US
[73] MOTOROLA SOLUTIONS, INC., US
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[25] EN
[54] **LOCKING AND UNLOCKING A BLENDER**
[54] **VERROUILLAGE ET DEVERROUILLAGE DE MIXEUR**
[72] PAMPLIN, RYAN MICHAEL, US
[73] BLENDJET INC., US
[85] 2022-05-19
[86] 2020-10-07 (PCT/US2020/054471)
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[30] US (16/694,896) 2019-11-25

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[25] EN
[54] **PACKAGING SHEETING AND A METHOD OF MANUFACTURING PACKAGING SHEETING**
[54] **FEUILLE D'EMBALLAGE ET PROCEDE DE FABRICATION DE FEUILLE D'EMBALLAGE**
[72] PENN, BRANDON, AU
[72] DELAFOSSE, MARK, AU
[72] HUANG, WENCONG, AU
[72] TIANYI, SHI, AU
[73] UNIQCO-IP PTY LTD, AU
[85] 2022-06-02
[86] 2021-02-01 (PCT/AU2021/050075)
[87] (WO2021/151170)
[30] AU (2020900243) 2020-01-30

[11] **3,164,831**
[13] C
[51] **Int.Cl. G01D 21/00 (2006.01) G08B 15/00 (2006.01) G10L 17/00 (2013.01)**
[25] EN
[54] **USING A SENSOR HUB TO GENERATE A TRACKING PROFILE FOR TRACKING AN OBJECT**
[54] **UTILISATION D'UN CONCENTRATEUR DE CAPTEURS POUR LA GENERATION D'UN PROFIL DE SUIVI DESTINE A SUIVRE UN OBJET**
[72] SABRIPOUR, SHERVIN, US
[72] DUMAN, GOKTUG, US
[72] PRESTON, JOHN B., US
[72] SENER, BELFUG, US
[72] VAN DER ZAAG, BERT, US
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2022-06-15
[86] 2020-11-24 (PCT/US2020/062008)
[87] (WO2021/133504)
[30] US (16/725,830) 2019-12-23

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[13] C
[51] **Int.Cl. F16L 3/13 (2006.01) F16L 1/11 (2006.01) G01V 15/00 (2006.01)**
[25] EN
[54] **TRACER WIRE HOLDER**
[54] **PORTE-CABLE TRACEUR**
[72] CLUNE, JORDON, CA
[72] BIRD, ANDREW, CA
[72] MEEUWSE, ROBERT, CA
[72] MOLNAR, BRETT, CA
[73] TRACER WAY INC., CA
[85] 2022-06-16
[86] 2021-07-08 (PCT/CA2021/050936)
[87] (WO2022/011453)
[30] CA (3086864) 2020-07-15

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[13] C
[51] **Int.Cl. G01H 17/00 (2006.01)**
[25] EN
[54] **COMPUTERIZED ESTIMATION OF MINIMUM NUMBER OF SONIC SOURCES USING MAXIMUM MATCHING OF A BIPARTITE GRAPH**
[54] **ESTIMATION INFORMATISEE DU NOMBRE MINIMAL DE SOURCES SONIQUES AU MOYEN DE LA CORRESPONDANCE MAXIMUM D'UN GRAPHE BIPARTI**
[72] SPIESBERGER, JOHN LOUIS, US
[73] SCIENTIFIC INNOVATIONS, INC., US
[86] (3166541)
[87] (3166541)
[22] 2022-06-28
[30] US (17/366,888) 2021-07-02

[11] **3,168,665**
[13] C
[51] **Int.Cl. A61B 42/50 (2016.01) A61B 42/00 (2016.01) A61B 42/10 (2016.01) A61B 42/40 (2016.01) B65G 47/00 (2006.01) B65G 47/90 (2006.01)**
[25] EN
[54] **APPARATUS FOR PUTTING A GLOVE ON A PALM HAND**
[54] **APPAREIL PERMETTANT DE METTRE EN PLACE UN GANT SUR LA PAUME D'UNE MAIN**
[72] SHALOM AVSHALOM, SHLOMO MATAN, IL
[73] IGIN SMART HYGIENE PTE. LTD, SG
[85] 2022-07-19
[86] 2020-12-27 (PCT/IL2020/051334)
[87] (WO2021/152570)
[30] IL (272406) 2020-02-02

[11] **3,173,801**
[13] C
[51] **Int.Cl. C01B 32/00 (2017.01) C01B 32/05 (2017.01) B01J 19/12 (2006.01) C01B 3/02 (2006.01) C01B 3/24 (2006.01)**
[25] EN
[54] **METHODS FOR PREPARING HYDROGEN AND SOLID CARBON FROM A GASEOUS HYDROCARBON SOURCE USING MICROWAVES AND/OR RADIO WAVES**
[54] **METHODES DE PREPARATION D'HYDROGENE ET DE CARBONE SOLIDE D'UNE SOURCE D'HYDROCARBURES GAZEUX AU MOYEN DE MICRO-ONDES ET/OU D'ONDES RADIOELECTRIQUES**
[72] THOMSON, MURRAY, CA
[72] BOBICKI, ERIN, CA
[73] AURORA HYDROGEN INC., CA
[85] 2022-09-28
[86] 2022-05-06 (PCT/CA2022/050710)
[87] (3173801)
[30] SE (21505763) 2021-05-06

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[51] **Int.Cl. B32B 5/22 (2006.01) B32B 21/02 (2006.01) B32B 27/04 (2006.01) B32B 27/18 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **RECYCLED-PLASTIC WOOD-CHIPPING COMPOSITE SHEATHING PANEL**
[54] **PANNEAU DE REVETEMENT COMPOSITE BOIS-PLASTIQUE ET DE COPEAUX RECYCLE**
[72] PETERSON, MYLES, CA
[71] PETERSON, MYLES, CA
[22] 2021-08-05
[41] 2023-02-05

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[21] **3,126,856**
[13] A1
[51] **Int.Cl. B61D 3/16 (2006.01)**
[25] EN
[54] **RAILROAD COIL CAR STRUCTURE**
[54] **STRUCTURE DE WAGON PORTE-BOBINES**
[72] VEIT, OLIVER, CA
[71] NATIONAL STEEL CAR LIMITED, CA
[22] 2021-08-05
[41] 2023-02-05

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[13] A1
[51] **Int.Cl. H04B 10/70 (2013.01) H04B 10/508 (2013.01) H04B 10/532 (2013.01)**
[25] EN
[54] **QUANTUM KEY DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION QUANTIQUE DES CLES**
[72] PODMORE, HUGH, CA
[71] COM DEV LTD., CA
[22] 2021-08-05
[41] 2023-02-05

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[21] **3,127,028**
[13] A1
[51] **Int.Cl. A63B 71/14 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **EYE GOUGE PREVENT MIXED MARTIAL ARTS (MMA) OR GRAPPLING GLOVES**
[54] **GANTS POUR ARTS MARTIAUX MIXTES (AMM) OU POUR COMBAT AU SOL EMPECHANT LES BLESSURES AUX YEUX**
[72] HENRY, CRAIG, CA
[71] HENRY, CRAIG, CA
[22] 2021-08-07
[41] 2023-02-07

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[21] **3,127,180**
[13] A1
[51] **Int.Cl. A61K 36/07 (2006.01) A61K 31/4045 (2006.01) A61K 31/42 (2006.01) A61K 31/675 (2006.01) A61P 25/00 (2006.01) B01D 11/02 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **PRE-EVAPORATION STANDARDIZATION OF EXTRACTED PSYCHOACTIVE COMPOUNDS**
[54] **NORMALISATION DE L'EVAPORATION PRELIMINAIRE DES COMPOSES PSYCHOACTIFS EXTRAITS**
[72] MOSS, RYAN, CA
[72] LIGHTBURN, BENJAMIN, CA
[72] RANKEN, LISA, CA
[71] PSILO SCIENTIFIC LTD., CA
[22] 2021-08-06
[41] 2023-02-06

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[21] **3,127,197**
[13] A1
[51] **Int.Cl. B43L 1/00 (2006.01) G09D 3/04 (2006.01)**
[25] EN
[54] **A WHITEBOARD CALENDAR WITH MOVEABLE WEEK PANELS**
[54] **TABLEAU BLANC-CALENDRIER PRESENTANT DES PANNEAUX DE SEMAINES MOBILES**
[72] MCDONALD, ALEXANDER, CA
[71] MCDONALD, ALEXANDER, CA
[22] 2021-08-09
[41] 2023-02-09

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[21] **3,127,199**
[13] A1
[51] **Int.Cl. A01M 1/22 (2006.01) A01M 1/20 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ASPHYXIATING ARTHROPODS**
[54] **METHODE ET APPAREIL SERVANT A ASPHYXIER LES ARTHROPODES**
[72] DYER, GORDON, US
[71] DYER, GORDON, US
[22] 2021-08-09
[41] 2023-02-09

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[21] **3,127,206**
[13] A1
[51] **Int.Cl. B65D 88/12 (2006.01) B65D 88/54 (2006.01) B65D 90/00 (2006.01)**
[25] EN
[54] **PORTABLE STORAGE CONTAINER**
[54] **RECIPIENT DE STOCKAGE PORTATIF**
[72] SCHELL, JASON, CA
[71] SCHELL, JASON, CA
[22] 2021-08-09
[41] 2023-02-06
[30] US (17/444,567) 2021-08-06

[21] **3,127,296**
[13] A1
[51] **Int.Cl. F24B 1/18 (2006.01) F23B 20/00 (2006.01)**
[25] EN
[54] **FIRE PIT**
[54] **FOYER**
[72] POTTER, STEPHEN DALE, CN
[71] GREEN EARTH REGENERATION (XIAMEN) ENVIRONMENTAL TECHNOLOGY CO., LTD., CN
[22] 2021-08-06
[41] 2023-02-06

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[21] **3,127,406**
[13] A1
[51] **Int.Cl. A01H 6/28 (2018.01) A01H 5/00 (2018.01) A61K 36/185 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **GENETICALLY AND OR MODIFYING METALS WITHIN THE SOIL COMPOUNDS FOR HIGHER ELECTRON MOVEMENT AND OR ANY MECHANICAL, DIGITAL PROCEDURE TO MODIFY THE ELECTRON ADAPTABILITY WITHIN THE CANNABIS PLANT AND GENETICS TO INCREASE THE MEDICINAL AND RECREATIONAL MARIJUANA POTENCY LEVELS**
[54] **METAUX GENETIQUEMENT MODIFIES DANS LES COMPOSES DU SOL POUR UN MOUVEMENT PLUS GRAND DES ELECTRONS ET/OU TOUTE PROCEDURE MECANIQUE, NUMERIQUE SERVANT A MODIFIER L'ADAPTABILITE DES ELECTRONS DANS LA PLANTE DE CANNABIS ET LA GENETIQUE VEGETALE POUR AUGMENTER LES NIVEAUX DE PUISSANCE DE LA MARIJUANA MEDICINALE ET RECREATIVE**
[72] DECARIES, GLENN, CA
[72] DECARIES, JENNILEE, CA
[71] DECARIES, GLENN, CA
[71] DECARIES, JENNILEE, CA
[22] 2021-08-11
[41] 2023-02-11

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[21] **3,127,769**
[13] A1
[51] **Int.Cl. F03B 13/00 (2006.01) B65G 17/00 (2006.01) E03B 1/04 (2006.01) F03B 9/00 (2006.01)**
[25] EN
[54] **SELF SUFFICIENT ELECTRIC GENERATING PRECIPITATION AND CONVEYOR SYSTEM**
[54] **SYSTEME GENERATEUR D'ELECTRICITE AUTOSUFFISANT POUR LE CAPTAGE ET LE TRANSPORT DES PRECIPITATIONS**
[72] EVA, LEONARD, CA
[71] EVA, LEONARD, CA
[22] 2021-08-11
[41] 2023-02-11

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[21] **3,127,782**
[13] A1
[51] **Int.Cl. A23C 20/00 (2006.01) A23C 19/00 (2006.01) A23C 21/00 (2006.01) A23C 21/04 (2006.01)**
[25] EN
[54] **ANALOGUE CHEESE WITH WHEY PROTEIN CREAM**
[54] **FROMAGE ANALOGUE A LA CREME DE PROTEINES DE LACTOSERUM**
[72] MANDERFELD, MICHELLE, US
[72] ROSENE, SARA, US
[72] WLASCHIN, AARON, US
[72] FUDGE, JAMES, US
[72] WYRICK, BRENT, US
[72] GLIDDEN, MOLLY, US
[71] GENERAL MILLS, INC., US
[22] 2021-08-10
[41] 2023-02-10

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[21] **3,129,288**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR REINFORCEMENT LEARNING WITH SUPPLEMENTED STATE DATA**
[54] **SYSTEMES ET METHODES D'APPRENTISSAGE PAR RENFORCEMENT A L'AIDE DE DONNEES D'ETAT COMPLEMENTAIRES**
[72] BURHANI, HASHAM, CA
[72] SHI, XIAO QI, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2021-08-30
[41] 2023-02-09
[30] US (17/397,460) 2021-08-09

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[21] **3,129,767**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G06F 16/27 (2019.01)**
[25] EN
[54] **ELECTRONIC DRAWING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE TIRAGE AU SORT ELECTRONIQUE**
[72] KOHLMANN, ANDREAS, DE
[72] BIERBACH, THOMAS, CA
[71] ADESSO SE, DE
[22] 2021-09-02
[41] 2023-02-10
[30] EP (EP21190514.6) 2021-08-10

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[21] **3,140,308**
[13] A1
[51] **Int.Cl. B65D 85/72 (2006.01) B65D 75/52 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **PACKET OPENING AND DISCHARGING DEVICE AND METHOD OF USING**
[54] **DISPOSITIF D'OUVERTURE ET DE DECHARGE DE PAQUETS ET METHODE D'UTILISATION**
[72] GILDERSLEEVE, MADISON KAY, US
[72] HAYDEN, MICHELLE MARIE, US
[72] DALTON, PETER, US
[72] ROWE, LADD PETERSON, US
[72] PARKER, JOHN, US
[72] JACKSON, LEEYA, US
[72] ZREET, CHASE, US
[72] NIKDEL, FARIN, US
[72] ADEJOBI, FUNMI, US
[72] RIBEIRO, FELIPE, US
[71] H.J. HEINZ COMPANY BRANDS LLC, US
[22] 2021-11-24
[41] 2023-02-05
[30] US (17/395064) 2021-08-05

[21] **3,147,143**
[13] A1
[51] **Int.Cl. E05C 3/12 (2006.01) E05B 63/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE GATE LATCH ASSEMBLY**
[54] **ENSEMBLE DE LOQUETS DE BARRIERE REGLABLE**
[72] LAJEWARDI, FARHAD, US
[72] ANDERSON, RONALD SCOTT, US
[71] THE HILLMAN GROUP, INC., US
[22] 2022-01-31
[41] 2023-02-09
[30] US (63/230,998) 2021-08-09
[30] US (17/583,622) 2022-01-25

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[21] **3,149,165**
[13] A1
[51] **Int.Cl. G02C 11/00 (2006.01) H04W 84/18 (2009.01) G02C 5/14 (2006.01) H04R 1/10 (2006.01) G02C 11/06 (2006.01)**
[25] EN
[54] **BLUETOOTH GLASSES**
[54] **LUNETTES BLUETOOTH**
[72] CHENG, HSI-CHOU, TW
[72] HUANG, SHUE-YU, TW
[71] CHENG, HSI-CHOU, TW
[71] HUANG, SHUE-YU, TW
[22] 2022-02-17
[41] 2023-02-09
[30] CN (110129331) 2021-08-09

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[21] **3,156,916**
[13] A1
[51] **Int.Cl. G06F 15/00 (2006.01) G06F 1/3296 (2019.01) G06F 1/08 (2006.01) G06F 1/20 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND NON-TRANSITORY COMPUTER-READABLE MEDIUM FOR CRYPTOCURRENCY MINING**
[54] **SYSTEME, METHODE ET SUPPORT LISIBLE PAR ORDINATEUR NON TRANSITOIRE POUR LE MINAGE DE CRYPTOMONNAIE**
[72] FRESA, MARC, US
[71] FRESA, MARC, US
[22] 2022-04-28
[41] 2023-02-05
[30] US (63/229,685) 2021-08-05
[30] US (17/716,651) 2022-04-08

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[21] **3,160,866**
[13] A1
[51] **Int.Cl. F16H 49/00 (2006.01) B64C 13/28 (2006.01) F16H 35/00 (2006.01)**
[25] EN
[54] **COMPOUND HARMONIC GEAR SYSTEM WITH DUAL OUTPUT ARMS**
[54] **SYSTEME D'ENGRENAGE HARMONIQUE COMPOSE AVEC BRAS DE SORTIE DOUBLES**
[72] BALSIGER, DERICK S., US
[72] KUCZEK, ANDRZEJ ERNEST, US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2022-05-27
[41] 2023-02-11
[30] US (17/399,289) 2021-08-11

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[21] **3,160,885**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 8/65 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **AUTO-IMPROVING SOFTWARE SYSTEM FOR USER BEHAVIOR MODIFICATION**
[54] **SYSTEME LOGICIEL D'AUTO-AMELIORATION SERVANT A MODIFIER LE COMPORTEMENT DES UTILISATEURS**
[72] DAVID, DANIEL BEN, IL
[72] MUKHERJEE, SAIKAT, US
[72] RANGANATHAN, MIRMALA, US
[72] HORESH, YAIR, IL
[71] INTUIT INC., US
[22] 2022-05-27
[41] 2023-02-09
[30] US (17/397,801) 2021-08-09

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[21] **3,161,221**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 11/30 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING AND OPTIMIZING COMPUTING RESOURCE USAGE OF CLOUD BASED COMPUTING APPLICATION**
[54] **SYSTEME DE SURVEILLANCE ET D'OPTIMISATION DE L'UTILISATION DES RESSOURCES INFORMATIQUES D'UNE APPLICATION INFORMATIQUE EN NUAGE**
[72] KHASTGIR, ANURUDDHA S., IN
[72] DAS, JAGARAN, IN
[72] CHITALWALA, MURTUZA, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2022-05-31
[41] 2023-02-06
[30] US (17/395994) 2021-08-06

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[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01) B29C 70/30 (2006.01) C08J 3/20 (2006.01) C08L 23/06 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **COMPOSITE, RECYCLED-PLASTIC, WOOD-WASTE, FIBERBOARD-ALTERNATIVE PANEL**
[54] **PANNEAU DE FIBRES SUBSTITUT COMPOSITE BOIS-PLASTIQUE ET DE DECHETS DE BOIS RECYCLE**
[72] PETERSON, MYLES, CA
[71] PETERSON, MYLES, CA
[22] 2021-10-28
[41] 2023-02-05
[30] CA (3,126,821) 2021-08-05

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[13] A1
[51] **Int.Cl. G10D 13/02 (2020.01) G10D 13/10 (2020.01)**
[25] EN
[54] **APPARATUS FOR VENTING AIRFLOW IN A BASS DRUM**
[54] **APPAREIL DE VENTILATION DU DEBIT D'AIR DANS UNE GROSSE CAISSE**
[72] MAY, JAMES H., US
[72] RENOLDS, SCOTT, US
[71] REMO, INC., US
[22] 2022-06-15
[41] 2023-02-05
[30] US (17/395,181) 2021-08-05

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[21] **3,166,138**
[13] A1
[25] EN
[54] **TRANSIENT CHATROOMS ADAPTED TO PROVIDE COMMUNICATIONS AMONG DRIVERS**
[54] **CLAVADOIRS TRANSITOIRES ADAPTES POUR PERMETTRE AUX CONDUCTEURS DE COMMUNIQUER ENTRE EUX**
[72] FANG, SHUSHENG, US
[71] FANG, SHUSHENG, US
[22] 2022-06-21
[41] 2023-02-10
[30] US (17398880) 2021-08-10
[30] US (17645967) 2021-12-24

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[21] **3,166,441**
[13] A1
[51] **Int.Cl. G01B 11/245 (2006.01) G02B 7/04 (2021.01) G03B 35/08 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXTRACTING INFORMATION ON THE SPATIAL DISTRIBUTION OF WAVEFRONTS**
[54] **SYSTEME ET METHODE D'EXTRACTION DES RENSEIGNEMENTS SUR LA DISTRIBUTION SPATIALE DE FRONTS D'ONDE**
[72] GARCIA, RICARDO OLIVA, ES
[72] SABATO, CERUSO, ES
[72] RAMOS, JOSE MANUEL RODRIGUEZ, ES
[71] WOOPTIX S.L., ES
[22] 2022-06-27
[41] 2023-02-11
[30] EP (21382755.3) 2021-08-11

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[21] **3,167,082**
[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01)**
[25] EN
[54] **MULTI AXIS CORRECTIVE KNEE BRACE**
[54] **ATTELLE DE GENOU CORRECTIVE MULTIAXIALE**
[72] NAIK, NEIL, CA
[72] GANPAT NAIK, VIJAYKUMAR, IN
[71] NAIK, NEIL, CA
[71] GANPAT NAIK, VIJAYKUMAR, IN
[22] 2022-07-07
[41] 2023-02-06
[30] IN (202121035522) 2021-08-06

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[21] **3,167,230**
[13] A1
[51] **Int.Cl. G07F 7/08 (2006.01) G06Q 20/20 (2012.01) G06K 7/01 (2006.01)**
[25] EN
[54] **INDICATING FAILED CARD READING TO IDENTIFY DEFECTIVE TRANSACTION CARD AND/OR DEFECTIVE TRANSACTION TERMINAL**
[54] **INDICATION D'UN ECHEC DE LECTURE DE CARTE POUR DECELER UNE CARTE DE TRANSACTION DEFECTUEUSE ET/OU UN TERMINAL DE TRANSACTION DEFECTUEUX**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] MOSSOBA, MICHAEL, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-07-11
[41] 2023-02-09
[30] US (17/444684) 2021-08-09

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[21] **3,167,393**
[13] A1
[25] EN
[54] **END TRAVEL LIMIT CALIBRATION OF AN ELECTRIC ACTUATOR**
[54] **ETALONNAGE DE LA LIMITE DE FIN DE COURSE D'UN ACTIONNEUR ELECTRIQUE**
[72] VADNERE, MOHAN, A., IN
[72] USASZ, MITCHELL, R., US
[72] KARST, PALOMA, US
[71] DEERE & COMPANY, US
[22] 2022-07-11
[41] 2023-02-11
[30] US (17/444,838) 2021-08-11

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[21] **3,167,512**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATIC PARAMETER SELECTION USING GRANULAR PRODUCT CHARACTERISTIC SENSING**
[54] **SYSTEME ET METHODE DE SELECTION AUTOMATIQUE DE PARAMETRES UTILISANT LA DETECTION DE CARACTERISTIQUES DE PRODUITS GRANULAIRES**
[72] THOMPSON, DENNIS GEORGE, US
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2022-07-14
[41] 2023-02-05
[30] US (17/394,979) 2021-08-05

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[21] **3,167,544**
[13] A1
[25] EN
[54] **BEARING CAP HEAT SINK SYSTEM FOR AN ELECTRIC MOTOR**
[54] **SYSTEME DISSIPATEUR THERMIQUE A CHAPEAU DE PALIER POUR MOTEUR ELECTRIQUE**
[72] HERNANDEZ, SERGIO, US
[71] TOSHIBA INTERNATIONAL CORPORATION, US
[22] 2022-07-13
[41] 2023-02-05
[30] US (17/394,957) 2021-08-05

[21] **3,167,554**
[13] A1
[25] EN
[54] **TRANSPORT DATA STRUCTURE USEFUL FOR TRANSPORTING INFORMATION VIA A FREE SPACE OPTICAL LINK USING A PULSED LASER**
[54] **STRUCTURE DE DONNEES DE TRANSPORT UTILE POUR LE TRANSPORT D'INFORMATIONS AU MOYEN D'UNE LIAISON OPTIQUE EN ESPACE LIBRE A L'AIDE D'UN LASER PULSE**
[72] CHRISTENSEN, L. CARL, US
[72] HINTON, RYAN W., US
[72] SMEDLEY, SCOTT C., US
[72] LANDON, DAVID G., US
[72] ROSS, RICHARD, US
[72] SOLONENKO, MICHAEL G., US
[71] L3HARRIS TECHNOLOGIES, INC., US
[22] 2022-07-13
[41] 2023-02-09
[30] US (17/397,453) 2021-08-09

[21] **3,167,608**
[13] A1
[25] EN
[54] **SELF-HEALING OF REPEATER FORMATION IN A NETWORK**
[54] **AUTOGENERATION DE LA FORMATION DE REPETEURS DANS UN RESEAU**
[72] SANDERS, ALAN DAVID, US
[72] SHARMA, AKSHAYKEERTI, US
[72] INGRAHAM, SCOTT J., US
[72] WESTRICK, JR., RICHARD L., US
[71] ABL IP HOLDING LLC, US
[22] 2022-07-14
[41] 2023-02-10
[30] US (17/398,390) 2021-08-10

[21] **3,167,619**
[13] A1
[51] **Int.Cl. C02F 1/54 (2006.01) C02F 11/148 (2019.01) B01D 21/01 (2006.01) C02F 1/52 (2006.01)**
[25] EN
[54] **ENHANCED SETTLING AND DEWATERING OF OIL SANDS MATURE FINE TAILINGS WITH TITANOMAGNETITE NANOPARTICLES GRAFTED WITH POLYACRYLAMIDE AND LAURYL SULFATE**
[54] **AMELIORATION DE LA DECANTATION ET DE LA DESHYDRATATION DE RESIDUS FINS MURS DE SABLES BITUMINEUX AVEC DES NANOPARTICULES DE TITANOMAGNETITE GREFFEES AVEC DU POLYACRYLAMIDE ET DU SULFATE DE LAURYLE**
[72] NASSAR, NASHAAT N., CA
[72] HETHNAWI, AFIF, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2022-07-14
[41] 2023-02-09
[30] US (63/231,083) 2021-08-09

[21] **3,167,662**
[13] A1
[51] **Int.Cl. C02F 11/148 (2019.01) B01D 21/01 (2006.01) C02F 1/56 (2006.01)**
[25] EN
[54] **ENHANCED SETTLING AND DEWATERING OF OIL SANDS MATURE FINE TAILINGS WITH TITANOMAGNETITE NANOPARTICLES GRAFTED WITH POLYACRYLAMIDE AND LAURYL SULFATE**
[54] **AMELIORATION DE LA DECANTATION ET DE LA DESHYDRATATION DE RESIDUS FINS MURS DE SABLES BITUMINEUX AVEC DES NANOPARTICULES DE TITANOMAGNETITE GREFFEES AVEC DU POLYACRYLAMIDE ET DU SULFATE DE LAURYLE**
[72] NASSAR, NASHAAT N., CA
[72] HETHNAWI, AFIF, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2022-07-14
[41] 2023-02-09
[30] US (63/231,083) 2021-08-09

[21] **3,167,807**
[13] A1
[51] **Int.Cl. B22D 1/00 (2006.01) B33Y 10/00 (2015.01) B33Y 40/00 (2020.01) B33Y 50/02 (2015.01) B33Y 70/00 (2020.01) B29C 64/386 (2017.01) B33Y 70/10 (2020.01) B22D 19/00 (2006.01) B22D 25/02 (2006.01) C23C 6/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIRECT DEPOSITION OF THIXOTROPIC ALLOYS**
[54] **SYSTEMES ET METHODES DE DEPOT DIRECT D'ALLIAGES THIXOTROPES**
[72] MIRONETS, SERGEY, US
[72] MARTIN, THOMAS J., US
[72] STAROSELSKY, ALEXANDER, US
[71] GOODRICH CORPORATION, US
[22] 2022-07-14
[41] 2023-02-06
[30] US (17/396,617) 2021-08-06

[21] **3,168,255**
[13] A1
[51] **Int.Cl. F01D 5/34 (2006.01) F04D 29/28 (2006.01)**
[25] EN
[54] **INTEGRATED BLADED ROTOR**
[54] **ROTOR A PALES INTEGREES**
[72] STONE, PAUL, CA
[72] MANGARDICH, DIKRAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-19
[41] 2023-02-07
[30] US (17/396,670) 2021-08-07

[21] **3,168,281**
[13] A1
[51] **Int.Cl. B25B 1/02 (2006.01) B25B 1/08 (2006.01)**
[25] EN
[54] **MODULAR VISE**
[54] **ETAU MODULAIRE**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] WEIR, NICHOLAS H., US
[72] SCHULZ, BENJAMIN T., US
[72] PAUL, RUPAK K., US
[71] SNAP-ON INCORPORATED, US
[22] 2022-07-19
[41] 2023-02-09
[30] US (17/397,451) 2021-08-09

[21] **3,168,331**
[13] A1
[51] **Int.Cl. B65D 5/10 (2006.01) A47F 5/11 (2006.01) B65D 5/50 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **CONFIGURABLE SHIPPING AND DISPLAY BOX**
[54] **BOITE D'EXPEDITION ET DE PRESENTATION CONFIGURABLE**
[72] PARK, JU WON, US
[71] SAN DIEGO FARMS LLC, US
[22] 2022-07-20
[41] 2023-02-06
[30] US (63/230,469) 2021-08-06
[30] US (17/855,307) 2022-06-30

[21] **3,168,409**
[13] A1
[51] **Int.Cl. G01F 23/263 (2022.01) G01F 25/20 (2022.01)**
[25] EN
[54] **CAPACITIVE FILLING LEVEL PROBE WITHOUT DEAD ZONE**
[54] **SONDE CAPACITIVE DE MESURE DE NIVEAU SANS ZONE MORTE**
[72] GEBHARDT, STEFAN, DE
[72] KOHLER, ARMIN, DE
[72] BISCHLER, EDUARD, DE
[72] TATSCH, NIKITA PHILIP, US
[71] RECHNER INDUSTRIE-ELEKTRONIK GMBH, DE
[22] 2022-07-21
[41] 2023-02-09
[30] EP (21190413.1) 2021-08-09

[21] **3,168,422**
[13] A1
[51] **Int.Cl. G01N 33/567 (2006.01) C12Q 1/02 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **CELL-BASED ASSAYS AND KITS FOR ASSESSING SERUM CHOLINERGIC RECEPTOR ACTIVITY**
[54] **ESSAIS CELLULAIRES ET TROUSSES POUR D'EVALUATION DE L'ACTIVITE DES RECEPTEURS CHOLINERGIQUES SERIQUES**
[72] NOBREGA, JOSE, CA
[72] POLLOCK, BRUCE GODFREY, CA
[72] RAYMOND, ROGER, CA
[72] RAJJI, TAREK K., CA
[71] CENTRE FOR ADDICTION AND MENTAL HEALTH, CA
[22] 2022-07-21
[41] 2023-02-06
[30] US (17/396,030) 2021-08-06

[21] **3,168,587**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **SURGICAL DEVICE SEAL**
[54] **JOINT D'INSTRUMENT CHIRURGICAL**
[72] BLAKE, NATHAN PHILIP, GB
[71] GYRUS MEDICAL LIMITED, GB
[22] 2022-07-22
[41] 2023-02-10
[30] US (63/231,281) 2021-08-10

[21] **3,168,687**
[13] A1
[25] EN
[54] **CABLE PROTECTOR CLAMP ASSEMBLY**
[54] **COLLIER DE SERRAGE POUR PROTEGE-CABLES**
[72] ORTIZ, DAVID, US
[71] PRYSMIAN S.P.A., IT
[22] 2022-07-25
[41] 2023-02-06
[30] US (17/395,650) 2021-08-06

[21] **3,168,742**
[13] A1
[51] **Int.Cl. F21K 9/232 (2016.01) F21K 9/66 (2016.01) F21V 31/00 (2006.01)**
[25] EN
[54] **ILLUMINATION DEVICE AND LAMP COMPRISING THE ILLUMINATION DEVICES**
[54] **DISPOSITIF D'ECLAIRAGE ET LAMPE COMPRENANT LES DISPOSITIFS D'ECLAIRAGE**
[72] QIAN, XIN, CN
[72] XIAO, KUN, CN
[72] GAO, JIE, CN
[72] HAI, HUANG, CN
[71] SAVANT TECHNOLOGIES LLC, US
[22] 2022-07-25
[41] 2023-02-05
[30] CN (2021108980756) 2021-08-05

[21] **3,169,092**
[13] A1
[51] **Int.Cl. B64D 15/12 (2006.01) G01D 11/00 (2006.01) G01D 11/24 (2006.01)**
[25] EN
[54] **CERAMIC HEATER CONNECTOR**
[54] **CONNECTEUR DE RADIATEUR EN CERAMIQUE**
[72] GOH, JASMIN, US
[72] PAULE, ANDREW, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2022-07-27
[41] 2023-02-06
[30] US (17/396,388) 2021-08-06

[21] **3,169,104**
[13] A1
[51] **Int.Cl. C04B 26/06 (2006.01) C04B 14/06 (2006.01) C04B 18/24 (2006.01)**
[25] EN
[54] **CURABLE CASTING COMPOUND FOR THE MANUFACTURE OF MOLDED PLASTICS**
[54] **RESINE DE MOULAGE DURCISSABLE POUR LA FABRICATION DE PLASTIQUES MOULES**
[72] HAJEK, ANDREAS, DE
[71] BLANCO GMBH & CO. KG, DE
[22] 2022-07-27
[41] 2023-02-11
[30] DE (102021208803.1) 2021-08-11

[21] **3,169,106**
[13] A1
[51] **Int.Cl. F24B 1/182 (2006.01) F24B 1/195 (2006.01)**
[25] EN
[54] **COOKING PLATE FOR FIRE PIT**
[54] **PLAQUE DE CUISSON POUR FOYER**
[72] ALLGYER, AMOS ALAN, US
[71] BREEO, LLC, US
[22] 2022-07-26
[41] 2023-02-06
[30] US (17/832603) 2022-06-04
[30] US (63/230592) 2021-08-06

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[21] **3,169,183**
[13] A1
[51] **Int.Cl. E06B 9/262 (2006.01) E06B 9/40 (2006.01)**
[25] EN
[54] **ROMAN SHADE**
[54] **VOILAGE A LA ROMAINE**
[72] LAI, YUNG-CHING, TW
[71] LAI, YUNG-CHING, TW
[22] 2022-07-28
[41] 2023-02-06
[30] US (17/396,024) 2021-08-06
[30] US (17/702,393) 2022-03-23

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[21] **3,169,200**
[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/08 (2006.01)**
[25] EN
[54] **DENTAL BLANK, DENTAL PARTIAL PROSTHESIS AND METHOD OF MANUFACTURING A DENTAL PARTIAL PROSTHESIS**
[54] **EBAUCHE DENTAIRE, PROTHESE DENTAIRE PARTIELLE ET METHODE DE FABRICATION D'UNE PROTHESE DENTAIRE PARTIELLE**
[72] WATZKE, RONNY, AT
[71] IVOCLAR VIVADENT AG, LI
[22] 2022-07-29
[41] 2023-02-10
[30] EP (21190667.2) 2021-08-10

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[21] **3,169,234**
[13] A1
[51] **Int.Cl. B63B 17/00 (2006.01) B63B 69/00 (2013.01)**
[25] EN
[54] **WATERCRAFT COVER**
[54] **HOUSSE POUR EMBARCATION**
[72] ROGERS, ERIK W., US
[72] YOBE, MICHAEL T., US
[72] BAIRD, DAVID E., US
[72] NULL, VICKY L., US
[72] MCSORLEY, MARK R., US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-07-28
[41] 2023-02-06
[30] US (63/230454) 2021-08-06

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[21] **3,169,248**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **STEAM-ENHANCED HYDROCARBON RECOVERY USING HYDROGEN SULFIDE-SORBENT PARTICLES TO REDUCE HYDROGEN SULFIDE PRODUCTION FROM A SUBTERRANEAN RESERVOIR**
[54] **RECUPERATION AMELIOREE DES HYDROCARBURES PAR LA VAPEUR AU MOYEN DE PARTICULES ABSORBANTES DE SULFURE D'HYDROGENE POUR REDUIRE LA PRODUCTION DE SULFURE D'HYDROGENE A PARTIR D'UN RESERVOIR SOUTERRAIN**
[72] BEN-ZVI, AMOS, CA
[72] MCKAY, MICHAEL PATRICK, CA
[72] MORASSE, PAULINA, CA
[72] GITTINS, SIMON, CA
[71] CENOVUS ENERGY INC., CA
[22] 2022-07-28
[41] 2023-02-05
[30] US (63/229,926) 2021-08-05

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[21] **3,169,361**
[13] A1
[51] **Int.Cl. H04L 9/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVOLVING CRYPTOGRAPHY WITH A PRIVATE TIME BASE**
[54] **SYSTEME ET METHODE DE CRYPTOGRAPHIE EVOLUTIVE AVEC BASE DE TEMPS PRIVEE**
[72] FAROOQ, MUDDASSAR, PK
[72] RAMZAN, MUHAMMAD RASHAD, PK
[72] STANWOOD, KENNETH, US
[72] MAROOF, UZMA, AU
[71] WI-LAN RESEARCH INC., US
[22] 2022-08-02
[41] 2023-02-10
[30] US (17/398,299) 2021-08-10

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[21] **3,169,372**
[13] A1
[51] **Int.Cl. G06F 17/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING A RISK SCORE**
[54] **METHODE ET APPAREIL DE PRODUCTION DE COTE DE RISQUE**
[72] DUAN, ZUNING, CN
[72] HUA, BO, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-08-02
[41] 2023-02-10
[30] CN (202110915774.7) 2021-08-10

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[21] **3,169,385**
[13] A1
[51] **Int.Cl. F01D 11/00 (2006.01) F01D 11/08 (2006.01) F01D 25/18 (2006.01)**
[25] EN
[54] **VARIABLE GAP BETWEEN IMPELLER ROTOR AND STATIC STRUCTURE**
[54] **ESPACE VARIABLE ENTRE LE ROTOR DE LA ROUE A AUBES ET LA STRUCTURE STATIQUE**
[72] BAKER-OSTIGUY, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-06
[30] US (17/395,882) 2021-08-06

[21] **3,169,388**
[13] A1
[51] **Int.Cl. F02C 7/28 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **IMPELLER ROTOR CONFIGURED WITH WEAR RESISTANT SEAL LAND**
[54] **ROTOR DE ROUE A AUBES CONFIGURE AVEC UN MEPLAT DE JOINT RESISTANT A L'USURE**
[72] BAKER-OSTIGUY, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-06
[30] US (17/395,850) 2021-08-06

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[21] **3,169,422**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12N 1/21 (2006.01) C12N 15/64 (2006.01) C12N 15/66 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **HAIRPIN LOOP ENDED SELF-COMPLEMENTARY DOUBLE-STRANDED COVALENTLY CLOSED LINEAR DNA VECTOR, MANUFACTURING SYSTEM AND PROCESS, AND USES OF SAID RESULTING DNA VECTOR**
[54] **VECTEUR D'ADN LINEAIRE AUTO-COMPLEMENTAIRE DOUBLE BRIN FERME DE MANIERE COVALENTE AUX EXTREMITES PAR DES BOUCLES EN EPINGLE A CHEVEUX, SYSTEME ET METHODE DE FABRICATION, ET UTILISATIONS DU VECTEUR D'ADN EN QUESTION**
[72] WILLIAMS, MARTIN, AR
[71] WILLIAMS, MARTIN, AR
[71] SYTE.BIO INC., US
[22] 2022-08-03
[41] 2023-02-06
[30] US (63/230,603) 2021-08-06

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[21] **3,169,431**
[13] A1
[51] **Int.Cl. B27B 17/00 (2006.01) A62C 25/00 (2006.01) F04D 13/00 (2006.01) F16G 13/02 (2006.01)**
[25] EN
[54] **PORTABLE PUMP SYSTEMS, CHAINSAW ACCESSORIES, AND CHAINSAW PUMP ACCESSORY KITS**
[54] **SYSTEMES DE POMPES PORTATIVES, ACCESSOIRES DE SCIE A CHAINE ET TROUSSES D'ACCESSOIRES DE POMPES DE SCIE A CHAINE**
[72] LINDSAY, BLAKE CATLIN, US
[72] GLOVER, DILLON MICHAEL, US
[71] TRIGGER POINT INNOVATIONS, LLC, US
[22] 2022-08-03
[41] 2023-02-09
[30] US (17/397,856) 2021-08-09

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[21] **3,169,457**
[13] A1
[51] **Int.Cl. F16B 37/14 (2006.01) A47G 3/00 (2006.01)**
[25] EN
[54] **HARDWARE ASSEMBLY**
[54] **ASSEMBLAGE DE LA QUINCAILLERIE**
[72] KWOK, KWAN MING EDWIN, US
[72] MAHADEO, BEESHAM, US
[71] THE HILLMAN GROUP, INC., US
[22] 2022-08-03
[41] 2023-02-05
[30] US (63/229,727) 2021-08-05

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[21] **3,169,499**
[13] A1
[51] **Int.Cl. B65H 18/00 (2006.01) H01M 10/0587 (2010.01) B65H 19/22 (2006.01) B65H 39/16 (2006.01) H01M 10/04 (2006.01) H01M 10/28 (2006.01) H01M 10/38 (2006.01)**
[25] EN
[54] **APPARATUS AND RELATIVE METHOD FOR WINDING STRIPS OF MATERIAL FOR THE PRODUCTION OF ELECTRICAL ENERGY STORAGE DEVICES**
[54] **APPAREIL ET METHODE POUR L'ENROULEMENT DES BANDES DE MATERIAU POUR LA PRODUCTION DE DISPOSITIFS DE STOCKAGE D'ENERGIE ELECTRIQUE**
[72] ZAMBONELLI, LUCA, IT
[72] BARBIERI, PANTALEONE, IT
[72] SALE, MASSIMILIANO, IT
[71] MANZ ITALY S.R.L., IT
[22] 2022-08-04
[41] 2023-02-05
[30] IT (102021000021314) 2021-08-05

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[21] **3,169,503**
[13] A1
[25] EN
[54] **METHOD FOR CONVEYING AN ELECTRODE STRIP FOR THE PRODUCTION OF ELECTRICAL ENERGY STORAGE DEVICES AND RELATED MACHINE**
[54] **METHODE DE TRANSPORT D'UNE BANDE D'ELECTRODES POUR LA PRODUCTION DE DISPOSITIFS DE STOCKAGE D'ENERGIE ELECTRIQUE ET MACHINE CONNEXE**
[72] ALDROVANDI, LORENZO, IT
[72] ALONGI, PASQUALINO, IT
[72] CIRINO, SERGIO, IT
[71] MANZ ITALY S.R.L., IT
[22] 2022-08-04
[41] 2023-02-09
[30] IT (102021000021578) 2021-08-09

[21] **3,169,519**
[13] A1
[51] **Int.Cl. A01D 47/00 (2006.01) A01D 34/412 (2006.01) A01D 41/06 (2006.01)**
[25] EN
[54] **HEADER WITH LATERALLY FOLDABLE REEL TINES**
[54] **COLLECTEUR AVEC DENTS POUR RABATTEURS REPLIABLES LATERALEMENT**
[72] SUDHUES, STEFFEN, DE
[72] SALKER, DOMINIK, DE
[72] POKRIEFKE, MICHAEL, DE
[71] CARL GERINGHOFF GMBH & CO. KG, DE
[22] 2022-08-04
[41] 2023-02-05
[30] DE (10 2021120 403.8) 2021-08-05

[21] **3,169,530**
[13] A1
[51] **Int.Cl. F21S 10/04 (2006.01)**
[25] EN
[54] **SIMULATED FLAME MECHANISM FOR ELECTRIC FIREPLACES**
[54] **MECANISME DE SIMULATION DE FLAMMES POUR FOYERS ELECTRIQUES**
[72] VO, CUONG QUOC, CA
[72] SHULVER, DAVID, CA
[72] WILTSHIRE, JACOB, CA
[72] DORAISWAMY, THIRU MURUGA ACHARAPAKKAM, CA
[71] WOLF STEEL LTD., CA
[22] 2022-08-04
[41] 2023-02-10
[30] US (63/231,338) 2021-08-10

[21] **3,169,554**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING TRANSACTION LOCATIONS**
[54] **SYSTEMES ET METHODES POUR DETERMINER LES LIEUX DE TRANSACTION**
[72] FORT, PAVEL, US
[72] VEENSTRA, ANDREW, US
[72] MITCHO, NATASHA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2022-08-04
[41] 2023-02-06
[30] US (17/395,629) 2021-08-06

[21] **3,169,570**
[13] A1
[51] **Int.Cl. B65D 81/38 (2006.01) B65D 33/00 (2006.01)**
[25] EN
[54] **THERMAL CONTAINER**
[54] **CONTENEUR THERMIQUE**
[72] SCHEFFER, GEORG, DE
[71] PROFUMED KARLHEINZ LOHR E. K., DE
[22] 2022-08-04
[41] 2023-02-11
[30] DE (10 2021 120 900.5) 2021-08-11

[21] **3,169,577**
[13] A1
[51] **Int.Cl. C09D 5/10 (2006.01) B64F 5/10 (2017.01) C09D 7/61 (2018.01) C09D 7/62 (2018.01) C09D 201/00 (2006.01) C23F 11/00 (2006.01)**
[25] EN
[54] **A CORROSION INHIBITING PASTE FOR AIRCRAFT USE**
[54] **PATE ANTICORROSION POUR UTILISATION SUR LES AERONEFS**
[72] KNIGHT, CHAD, US
[72] BOOMER, KENT, US
[72] MERRITT, RYAN, US
[72] KNIGHT, DYLAN, US
[72] BOYD, MATT, US
[71] THE PATENT WELL LLC, US
[22] 2022-08-05
[41] 2023-02-06
[30] US (63/260,002) 2021-08-06

[21] **3,169,578**
[13] A1
[51] **Int.Cl. G06N 3/063 (2023.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **CONVOLUTIONAL NEURAL NETWORK COMPILER FOR PROGRAMMABLE FUNCTIONAL ARRAY (PFA) PROCESSORS**
[54] **COMPILATEUR DE RESEAUX NEURONAUX A CONVOLUTION POUR PROCESSEURS VECTORIELS FONCTIONNELS PROGRAMMABLES**
[72] SINHA, PAVEL, CA
[72] CUKRAN, YUNUS CAN, US
[72] YILDRIM, BAYZA, CA
[71] SINHA, PAVEL, CA
[22] 2022-08-05
[41] 2023-02-05
[30] US (63/230,012) 2021-08-05

[21] **3,169,582**
[13] A1
[51] **Int.Cl. B05B 3/18 (2006.01)**
[25] EN
[54] **MOBILE SPRAY MANIFOLD ASSEMBLY**
[54] **BLOC COLLECTEUR DE PULVERISATEURS MOBILES**
[72] MOORE, RICHARD I., US
[72] SMITH, BRENT, US
[71] AMPED EQUIPMENT, LLC, US
[22] 2022-08-05
[41] 2023-02-05
[30] US (63/229,880) 2021-08-05

[21] **3,169,670**
[13] A1
[25] EN
[54] **INSTRUCTION INTERPRETATION FOR WEB TASK AUTOMATION**
[54] **INSTRUCTIONS POUR INTERPRETER L'AUTOMATISATION DE TACHES WEB**
[72] WALIA, KARAN, CA
[72] MAMONOV, ANTON, CA
[72] WALIA, SOBI, CA
[71] YAAR INC., CA
[22] 2022-08-05
[41] 2023-02-05
[30] US (17/395,164) 2021-08-05

[21] **3,169,683**
[13] A1
[25] EN
[54] **WORKFLOW INSTRUCTION INTERPRETATION FOR WEB TASK AUTOMATION**
[54] **INSTRUCTIONS POUR INTERPRETER LE FLUX DE PRODUCTION POUR L'AUTOMATISATION DE TACHES WEB**
[72] WALIA, KARAN, CA
[72] MAMONOV, ANTON, CA
[72] WALIA, SOBI, CA
[71] YAAR INC., CA
[22] 2022-08-05
[41] 2023-02-05
[30] US (17/395,229) 2021-08-05

[21] **3,169,705**
[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01) B01D 24/02 (2006.01)**
[25] EN
[54] **IN-SITU FINES CAPTURE FROM FLUID FINE TAILINGS**
[54] **CAPTURE IN SITU DE FINES PARTICULES DANS LES RESIDUS FINS FLUIDES**
[72] WANG, NAN, CA
[72] LORENTZ, JAMES, CA
[72] DOGBE, GEORGE, CA
[72] MIMURA, WAYNE, CA
[71] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
[22] 2022-08-05
[41] 2023-02-10
[30] US (63/231,621) 2021-08-10

[21] **3,169,721**
[13] A1
[51] **Int.Cl. B64D 37/34 (2006.01) B64D 33/08 (2006.01) B64D 37/30 (2006.01) F02C 7/22 (2006.01) F02C 7/224 (2006.01) F17C 7/04 (2006.01) F28D 15/00 (2006.01) F28F 23/00 (2006.01)**
[25] EN
[54] **BUFFER HEAT EXCHANGERS FOR HYDROGEN ENGINES**
[54] **ECHANGEURS DE CHALEUR TAMPON POUR MOTEURS A HYDROGENE**
[72] SMITH, SCOTT, CA
[72] DUROCHER, ERIC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-05
[41] 2023-02-09
[30] US (17/397,889) 2021-08-09

[21] **3,169,744**
[13] A1
[51] **Int.Cl. B65D 81/113 (2006.01) F16L 3/00 (2006.01)**
[25] EN
[54] **REUSABLE PIPE SUPPORT APPARATUS**
[54] **APPAREIL REUTILISABLE DE SUPPORT DE TUYAUX**
[72] VOERTS, JON, DK
[71] PRO-PIPE ENERGY APS, DK
[22] 2022-08-05
[41] 2023-02-10
[30] DK (PA202100796) 2021-08-10

[21] **3,169,814**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTRONIC MEDICAL RECORD GENERATION, ACCESS, AND AUDIT**
[54] **SYSTEME ET METHODE DE PRODUCTION, D'ACCES ET DE VERIFICATION DES DOSSIERS MEDICAUX ELECTRONIQUES**
[72] WELLS, ANDREW ALAN, US
[72] MOLNAR, MARTYN, GB
[72] LALJI, ALKARIM "AL", US
[71] SMARTEK21 PRODUCT HOLDINGS CO., US
[22] 2022-08-05
[41] 2023-02-05
[30] US (63/230,055) 2021-08-05
[30] US (17/881,454) 2022-08-04

[21] **3,169,837**
[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 15/16 (2006.01)**
[25] EN
[54] **MULTI-PRESENCE APPLICATION ARCHITECTURE**
[54] **ARCHITECTURE D'APPLICATION MULTIPRESENCE**
[72] THAI, ARI, US
[71] XCELASTREAM, INC., US
[22] 2022-08-08
[41] 2023-02-09
[30] US (63/231,241) 2021-08-09

[21] **3,169,846**
[13] A1
[51] **Int.Cl. B29C 51/26 (2006.01)**
[25] EN
[54] **TRIM TOOL WITH ADJUSTABLE TRIM CENTERS**
[54] **OUTIL DE FINITION AVEC CENTRALES D'ASSIETTE REGLABLES**
[72] BROADWATER, JOHN, US
[71] FABRI-KAL CORPORATION, US
[22] 2022-08-08
[41] 2023-02-11
[30] US (17/399425) 2021-08-11

[21] **3,169,881**
[13] A1
[51] **Int.Cl. B01J 31/22 (2006.01) C07D 213/64 (2006.01) C08G 8/10 (2006.01)**
[25] EN
[54] **HETEROGENEOUS CATALYST WITH MULTICATALYTIC ACTIVITY**
[54] **CATALYSEUR HETEROGENE A ACTIVITE MULTICATALYTIQUE**
[72] DOMINGUEZ ESQUIVEL, JOSE MANUEL, MX
[72] MIRANDA OLVERA, ALMA DELIA, MX
[72] VAZQUEZ GUEVARA, MIGUEL ANGEL, MX
[72] GALVAN CABRERA, ADRIANA DEL CARMEN, MX
[72] MARTINEZ ROSALES, MERCED, MX
[71] INSTITUTO MEXICANO DEL PETROLEO-UNIVERSIDAD DE GUANAJUATO, MX
[22] 2022-08-08
[41] 2023-02-09
[30] MX (MX/A/2021/009548) 2021-08-09

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[13] A1
[51] **Int.Cl. F16L 3/00 (2006.01)**
[25] EN
[54] **CONDUIT SUPPORT DEVICE**
[54] **DISPOSITIF DE SUPPORT DE CONDUIT**
[72] PERRY, SHAWN, CA
[71] PERRY, SHAWN, CA
[22] 2022-08-08
[41] 2023-02-11
[30] US (17/400,030) 2021-08-11

[21] **3,169,892**
[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/08 (2006.01) A61C 13/09 (2006.01)**
[25] EN
[54] **DENTAL BLOCK FORMING A BLANK FOR A PARTIAL PROSTHESIS, DENTAL PARTIAL PROSTHESIS AND METHOD OF MANUFACTURING A DENTAL PARTIAL PROSTHESIS**
[54] **BLOC DENTAIRE SERVANT A FORME UNE EBAUCHE POUR UNE PROTHESE PARTIELLE, PROTHESE DENTAIRE PARTIELLE ET METHODE DE FABRICATION D'UNE PROTHESE DENTAIRE PARTIELLE**
[72] WATZKE, RONNY, AT
[71] IVOCLAR VIVADENT AG, LI
[22] 2022-07-28
[41] 2023-02-10
[30] EP (21190668.0) 2021-08-10

[21] **3,169,903**
[13] A1
[51] **Int.Cl. B32B 7/02 (2019.01) B65D 65/40 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GRADIENT SEAL FLEXIBLE FILMS**
[54] **SYSTEMES ET METHODES POUR SCELLER PROGRESSIVEMENT DES PELLICULES SOUPLES**
[72] BUCKNER, CASEY, US
[72] BUNDY, CARL, US
[71] TRANSCONTINENTAL HOLDING CORP., US
[22] 2022-08-08
[41] 2023-02-09
[30] US (63/231,167) 2021-08-09

[21] **3,169,924**
[13] A1
[25] EN
[54] **AUDIO APPARATUS**
[54] **APPAREIL AUDIO**
[72] GIBB, BRAD, CA
[72] GIBB, WYATT, CA
[71] SAWMILL CREEK INVESTMENTS LTD., CA
[22] 2022-08-08
[41] 2023-02-06
[30] US (63/230,246) 2021-08-06

[21] **3,169,978**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING QUALITY OF SERVICE**
[54] **SYSTEME ET METHODE SERVANT A FOURNIR UNE QUALITE DE SERVICE**
[72] SRIDHAR, KAMAKSHI, US
[72] REBELLON TASCON, MANUEL JESUS, CA
[71] SANDVINE CORPORATION, CA
[22] 2022-08-11
[41] 2023-02-11
[30] US (63/231,882) 2021-08-11

[21] **3,170,005**
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[51] **Int.Cl. B63H 21/21 (2006.01) B63H 25/02 (2006.01) B63H 25/42 (2006.01)**
[25] EN
[54] **THRUSTER CONTROL FOR A BOAT**
[54] **COMMANDE DE PROPULSEUR POUR EMBARCATION**
[72] ENDRIZZI, JAMES J., US
[72] STOCK, JACOB L., US
[72] BARTZ, AUSTIN R., US
[72] FUCHS, MICHAEL J., US
[72] ROGERS, ERIK W., US
[72] YOBE, MICHAEL T., US
[72] NUXOLL, JOSEPH PAUL, US
[72] BLAIR, KEVIN P., US
[72] KRAUS, JOHN E., US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-08-09
[41] 2023-02-10
[30] US (63/231452) 2021-08-10

[21] **3,170,046**
[13] A1
[51] **Int.Cl. A61F 2/14 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **CORNEAL IMPLANTS FOR TREATING ECTATIC CORNEAL DISEASE**
[54] **IMPLANTS CORNEENS POUR LE TRAITEMENT DE L'ECTASIE CORNEENNE**
[72] NJIKANG, GABRIEL N., US
[72] LE, ALAN NGOC, US
[71] RVO 2.0, INC. D/B/A OPTICS MEDICAL, US
[22] 2022-08-09
[41] 2023-02-09
[30] US (63/231,138) 2021-08-09

[21] **3,170,081**
[13] A1
[51] **Int.Cl. F04B 47/12 (2006.01) E21B 41/00 (2006.01) F04B 53/00 (2006.01)**
[25] EN
[54] **BUMPER SPRING**
[54] **AMORTISSEUR**
[72] BOOTHE, NATHAN, US
[72] GARRETT, CLINT, US
[71] LIBERTY LIFT SOLUTIONS, LLC, US
[22] 2022-08-10
[41] 2023-02-11
[30] US (17/399,800) 2021-08-11

[21] **3,170,089**
[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01) E04B 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING MODULAR BUILDING STRUCTURES BASED ON SITE-SPECIFIC CONDITIONS**
[54] **SYSTEMES ET METHODES SERVANT A FOURNIR DES ELEMENTS DE CONSTRUCTION DE BATIMENTS EN FONCTION DES CONDITIONS PARTICULIERES AU SITE**
[72] SEERY, WILLIAM, US
[72] SCANU, MARCO, US
[72] JOKERST, MARK, US
[71] SUREPODS, LLC, US
[22] 2022-08-09
[41] 2023-02-10
[30] US (63/231,435) 2021-08-10

[21] **3,170,098**
[13] A1
[25] EN
[54] **METHOD OF PROCESSING CREDIT SCORE, DEVICE, AND ELECTRONIC EQUIPMENT**
[54] **METHODE DE TRAITEMENT DE LA COTE DE CREDIT, APPAREIL ET MATERIEL ELECTRONIQUE**
[72] LI, XUYUE, CN
[72] LIU, PEIBIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-08-10
[41] 2023-02-10
[30] CN (202110914324.6) 2021-08-10

[21] **3,170,102**
[13] A1
[51] **Int.Cl. B60P 1/52 (2006.01) B62D 21/20 (2006.01) B62D 63/06 (2006.01)**
[25] EN
[54] **TRAILER EMPLOYING ROLLER ELEMENTS AND A DOUBLE GOOSENECK SUPPORT ASSEMBLY**
[54] **REMORQUE COMPORTANT DES ELEMENTS ROULANTS ET UN ENSEMBLE SUPPORT A DOUBLE COL DE CYGNE**
[72] NIELSEN, MATTHEW J., US
[72] VANDER POL, SCOT J., US
[72] GUNDERSON, TREVOR L., US
[72] PULLIN, KEVIN L., US
[71] TRAIL KING INDUSTRIES, INC., US
[22] 2022-08-10
[41] 2023-02-10
[30] US (63/231,358) 2021-08-10

[21] **3,170,135**
[13] A1
[51] **Int.Cl. B01D 46/52 (2006.01) F24F 11/38 (2018.01) B01D 46/56 (2022.01) F24F 13/28 (2006.01)**
[25] EN
[54] **POCKETED AIR FILTERS AND METHOD FOR DETERMINING PERFORMANCE OF AN AIR FILTER IN HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) SYSTEM**
[54] **FILTRES A AIR A POCHES ET METHODE SERVANT A DETERMINER LES PERFORMANCES D'UN FILTRE A AIR DANS UN SYSTEME DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION (CVC)**
[72] BRUNO, GIUSEPPE, CA
[72] BRUNO, FRANCESCO, CA
[72] BRUNO, VITTORIO, CA
[72] LOUDON, JONATHAN, CA
[71] ECOCEPTIONAL PRODUCTS INC., CA
[22] 2022-08-09
[41] 2023-02-09
[30] US (63/230,923) 2021-08-09

[21] **3,170,139**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 43/26 (2006.01)**
[25] EN
[54] **AUTOMATED DETECTION OF FRACKING END STAGES FOR ACTIVATION OF SWITCHOVER VALVES DURING COMPLETION OPERATIONS**
[54] **DETECTION AUTOMATISEE DES DERNIERES PHASES DE FRACTURATION POUR L'ACTIVATION DES VANNES D'INVERSION PENDANT LES TRAVAUX D'ACHEVEMENT**
[72] FORTIN, ALEXANDRE, CA
[72] BEHAIRY, KHALED, CA
[72] GRADISHAR, COOPER, CA
[71] COLD BORE TECHNOLOGY INC., CA
[22] 2022-08-08
[41] 2023-02-09
[30] US (63/231,175) 2021-08-09

[21] **3,170,149**
[13] A1
[51] **Int.Cl. G10K 11/20 (2006.01) G10L 25/90 (2013.01)**
[25] EN
[54] **AIDING DEVICE FOR SINGING ON PITCH**
[54] **DISPOSITIF D'AIDE POUR CHANTER A LA BONNE HAUTEUR**
[72] MUAFFAK, DUNYA, CA
[71] MUAFFAK, DUNYA, CA
[22] 2022-08-09
[41] 2023-02-10
[30] US (63/231323) 2021-08-10

[21] **3,170,151**
[13] A1
[51] **Int.Cl. A01B 69/00 (2006.01) B62D 13/00 (2006.01) B62D 13/04 (2006.01)**
[25] EN
[54] **HEADER TRANSPORT WITH STEERABLE WALKING TANDEM AXLES**
[54] **TRANSPORT DE TABLES DE COUPE AVEC DES ESSIEUX TANDEM BALANCIER ORIENTABLES**
[72] HILVERS, MICHAEL J., US
[72] GERDEMAN, SHAWN, US
[72] INKROTT, JOSHUA J., US
[71] UNVERFERTH MANUFACTURING CO., INC., US
[22] 2022-08-10
[41] 2023-02-11
[30] US (63/231,827) 2021-08-11

[21] **3,170,161**
[13] A1
[25] EN
[54] **ELECTRIC SURFACE TEMPERATURE CONTROL SYSTEM AND A LAYING DEVICE FOR A HEATING CABLE OF THE ELECTRIC SURFACE TEMPERATURE CONTROL SYSTEM**
[54] **CIRCUIT ELECTRIQUE DE REGULATION DE LA TEMPERATURE DE SURFACE ET DISPOSITIF DE POSE D'UN CABLE CHAUFFANT DU CIRCUIT ELECTRIQUE DE REGULATION DE LA TEMPERATURE DE SURFACE**
[72] HARTL, MARTIN, DE
[72] HIRMER, THOMAS, DE
[71] INFINEX HOLDING GMBH, DE
[22] 2022-08-10
[41] 2023-02-11
[30] DE (DE 10 2021 120 939.0) 2021-08-11

[21] **3,170,182**
[13] A1
[51] **Int.Cl. B62B 17/04 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **SNOWMOBILE**
[54] **MOTONEIGE**
[72] PRUSAK, MATTHEW J., US
[72] HEDLUND, MICHAEL A., US
[72] WENSLOFF, DEAN A., US
[72] EATON, JEFFREY A., US
[72] WOOD, JOSEPH P., US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-08-09
[41] 2023-02-10
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[21] **3,170,194**
[13] A1
[51] **Int.Cl. G01M 3/32 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING A FUEL LOSS EVENT**
[54] **SYSTEME ET METHODE SERVANT A DETECTER LES CAS DE PERTE DE CARBURANT**
[72] STEVENSON, DAVID L., US
[72] BONES, SARAH, US
[71] S1 TECHNOLOGIES, INC., US
[22] 2022-08-09
[41] 2023-02-10
[30] US (17/398,932) 2021-08-10

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[13] A1
[51] **Int.Cl. A47H 13/01 (2006.01) A47G 5/00 (2006.01) F16B 5/07 (2006.01) E06B 9/24 (2006.01)**
[25] EN
[54] **ONE-PIECE CLAMP ASSEMBLY FOR WINDOW COVERING**
[54] **ENSEMBLE DE BRIDES MONOPIECES POUR COUVRE-FENETRE**
[72] WILLIAMS, JEFFREY DAVID, CA
[72] NGUYEN, THAI, CA
[72] WANG, MINGXUAN, CA
[72] TOLLIS, ANGELA, CA
[72] CHEN, JOYCE, CA
[71] HURON SHORES PRODUCTION INC., CA
[22] 2022-08-11
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[13] A1
[51] **Int.Cl. A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 6/00 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTRAOPERATIVELY DETERMINING IMAGE ALIGNMENT**
[54] **SYSTEME ET METHODE SERVANT A DETERMINER PENDANT L'INTERVENTION L'ALIGNEMENT D'IMAGE**
[72] COOPER, ANDREW J., US
[72] WOLLOWICK, NOAH D., US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[22] 2022-08-10
[41] 2023-02-11
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[13] A1
[51] **Int.Cl. B65D 41/32 (2006.01) B65D 17/28 (2006.01)**
[25] EN
[54] **CAN ENDS HAVING RE-CLOSABLE POUR OPENINGS**
[54] **EXTREMITES DE BOITES MUNIES D'OUVERTURES REFERMABLES**
[72] VILLASIN, REX, US
[72] KIM, PETER, US
[72] TECKENBROCK, ALEX, US
[72] GOGOLA, MICHAEL R., US
[71] ARDAGH METAL PACKAGING USA CORP., US
[22] 2022-08-09
[41] 2023-02-10
[30] US (17/398,794) 2021-08-10

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[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01) E21C 41/00 (2006.01) G01V 11/00 (2006.01)**
[25] EN
[54] **CONSTRUCTION METHOD OF MINE INTELLIGENT MANAGEMENT AND CONTROL PLATFORM BASED ON GEOLOGICAL SURVEY GUARANTEE SYSTEM**
[54] **METHODE DE CONSTRUCTION D'UNE PLATEFORME DE GESTION ET DE CONTROLE INTELLIGENTS DES MINES A PARTIR D'UN SYSTEME DE GARANTIE D'INVENTAIRE GEOLOGIQUE**
[72] MAO, SHANJUN, CN
[72] LI, XIANG, CN
[72] JING, CHAO, CN
[71] BEIJING LONGRUAN TECHNOLOGIES INC., CN
[22] 2022-09-26
[41] 2023-02-09
[30] CN (202210511857.4) 2022-05-12

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[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/10 (2020.01)**
[25] FR
[54] **PRINTHEAD AND ADDITIVE MANUFACTURING METHODS**
[54] **TETE D'IMPRESSION ET PROCEDES DE FABRICATION ADDITIVE**
[72] VACHON, ANDRO, CA
[72] VUILLAUME, PASCAL YVES, CA
[72] DESCHAMPS, LUC, CA
[72] HU, LEI, CA
[72] DIOUF LEWIS, AUDREY, CA
[72] MARCOUX, PIER-LUC, CA
[71] COALIA, CA
[22] 2022-09-29
[41] 2023-02-07
[30] CA (3,161,970) 2022-06-07

[21] **3,180,016**
[13] A1
[51] **Int.Cl. G06V 20/10 (2022.01) G06Q 50/02 (2012.01) G01N 21/84 (2006.01)**
[25] EN
[54] **AUTOMATED DETERMINATION OF TREE INVENTORIES IN ECOLOGICAL REGIONS USING PROBALISTIC ANALYSIS OF OVERHEAD IMAGES**
[54] **DETERMINATION AUTOMATISEE DES INVENTAIRES DES ARBRES DANS LES REGIONS ECOLOGIQUES A L'AIDE DE L'ANALYSE PROBABILISTE DES IMAGES AERIENNES**
[72] HOLKESVIK, MICHAEL, US
[72] JOSEPH, MAX, US
[72] RODMAN, HENRY, US
[72] RUTENBECK, NATHAN, US
[72] SMITH, ZACHARY, US
[71] NATURAL CAPITAL EXCHANGE, INC., US
[22] 2022-10-27
[41] 2023-02-10
[30] US (17/568,160) 2022-01-04

[21] **3,181,998**
[13] A1
[51] **Int.Cl. D06M 19/00 (2006.01) D06B 9/00 (2006.01) D06B 13/00 (2006.01)**
[25] EN
[54] **A NANO-WATER-REPELLENT GOOSE DOWN PREPARATION METHOD**
[54] **METHODE DE PREPARATION DE DUVET D'OIE NANO-HYDROFUGE**
[72] WU, KUNMING, CN
[72] ZHANG, CHUANGUI, CN
[71] GAOFAN (ZHEJIANG) INFORMATION TECHNOLOGY CO., LTD, CN
[22] 2022-11-14
[41] 2023-02-06
[30] CN (2022113015565) 2022-10-24

[21] **3,182,543**
[13] A1
[51] **Int.Cl. C10G 1/04 (2006.01) C10G 1/00 (2006.01) C10G 1/02 (2006.01)**
[25] EN
[54] **PROCESS FOR EXTRACTING CRUDE OIL FROM SUBSTRATES**
[54] **PROCEDE D'EXTRACTION DE PETROLE BRUT A PARTIR DE SUBSTRATS**
[72] THAYER, IAN, US
[72] AZBILL, KEITH, US
[72] THOMPSON, PAUL, US
[72] GAGO, RONALD, US
[72] CLARK, DONALD, US
[71] THAYER, IAN, US
[71] AZBILL, KEITH, US
[71] THOMPSON, PAUL, US
[71] GAGO, RONALD, US
[71] CLARK, DONALD, US
[22] 2022-11-22
[41] 2023-02-08

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

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[51] **Int.Cl. B05D 1/18 (2006.01) A23P 20/12 (2016.01) B01F 23/53 (2022.01) B01F 27/92 (2022.01) B05D 1/02 (2006.01) B65G 33/08 (2006.01) B65G 33/24 (2006.01) A23L 27/00 (2016.01)**
[25] EN
[54] **IN-LINE FLAVORING GRANULAR AND POWDER CONVEYOR SYSTEM**
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[54] **FILM DE POLYPROPYLENE A ORIENTATION BIAXIALE A BASE ANTICONTREFACON POURLASER DE SCELLEMENT THERMIQUE DOUBLE FACE ET SA METHODE DE FABRICATION**
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[72] WANG, JUNFENG, CN
[72] LI, TAN, CN
[72] XING, QINGTAO, CN
[71] HAINAN SHINER INDUSTRIAL CO., LTD., HAIKOU(CN), CN
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[72] BALLARD, JOHN R., US
[72] D'AGOSTINO, ROBERT, US
[72] BRENZEL, MICHAEL P., US
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[54] **SYSTEMES ET METHODES D'OPTIMISATION DE SEQUENCE EN CASCADE MULTIUTILISATEUR D'OFDMA POUR LA DETECTION WI-FI**
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[72] OMER, MOHAMMAD, CA
[71] COGNITIVE SYSTEMS CORP., CA
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[71] SAFRAN LANDING SYSTEMS, FR
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[72] BIRBAUMER, TOSCA, CH
[72] JIANG, DR. YANRUI, CH
[72] SCHLUMPF, DR. TOMMY BEAT, CH
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[54] **PROCEDE DE PRODUCTION D'UN PRODUIT DE FIBRES D'HERBE NON TISSE**
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[72] SCHNEIDER, ROLAND, AT
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[72] BANISH, RICHARD, US
[72] CRANDAL, DAVID, US
[71] POLARIS SENSOR TECHNOLOGIES, INC., US
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[72] LAHORKAR, PRAFUL GULAB RAO, IN
[72] PERUMAL, RAJKUMAR, IN
[72] VAIDYA, ASHISH ANANT, IN
[71] UNILEVER GLOBAL IP LIMITED, GB
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[54] **EMPLATRE MEDICAL A LIBERATION LENTE**
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[54] **APPAREIL CULINAIRE AVEC DISPOSITIF D'ENTRAINEMENT A CORDE A COMMANDE AMOVIBLE**
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[71] SEB S.A., FR
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[54] **POUDRE A ECOULEMENT LIBRE COMPRENANT UN SUBSTRAT POREUX FONCTIONNALISE AVEC AU MOINS UN ACCELERATEUR**
[72] SOUDIER, JEROME, FR
[72] HARRATH, ALEXANDRE BEN, FR
[71] SIKA TECHNOLOGY AG, CH
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[54] **PROCEDES DE PREPARATION DE BIBLIOTHEQUE DE SEQUENCAGE EN PAIRE**
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[72] ZHAO, JUNHUA, US
[72] HE, MOLLY, US
[72] LIGHT, WILLIAM, US
[72] KELLINGER, MATTHEW, US
[72] PREVITE, MICHAEL, US
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[54] **PROCEDES POUR REDUIRE AU MINIMUM LE RISQUE DE TRANSMISSION D'UNE INFECTION**
[72] ORRINGTON, JAMES, US
[72] PRINCE, MICHAEL, US
[72] KIM, HYUNCHUL, US
[71] JAMES L. ORRINGTON, II D.D.S., P.C., US
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[54] **SYSTEME DE SURVEILLANCE DE COURANT DE FUITE ET DE CONTOURNEMENT DANS DES ISOLATEURS DE LIGNE AERIENNE THT**
[72] PINHEIRO MARTINS, JORGE FILIPE, PT
[72] CARRAGETA PINTADO, GONCALO NUNO, PT
[72] TEIXEIRA CERQUEIRA, TIAGO FREDERICO, PT
[72] GALHARDO, BRUNO, PT
[72] ALVES DE OLIVEIRA, LUIS MIGUEL, PT
[72] DIAS CASALEIRO, NUNO FILIPE, PT
[72] FABIAO APARICIO, ALEXANDRE JOSE, PT
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[72] ROHATGI, ANUBHAV, IN
[71] CIPO, CA
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[72] MADSEN, HENRIK TÆKKER, DK
[72] PEDERSEN, LARS STORM, DK
[71] SALTPOWER HOLDING APS, DK
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[71] HOLLISTER INCORPORATED, US
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[54] **DISPOSITIF DE GENERATION DE MODELE D'APPRENTISSAGE, DISPOSITIF DE DEDUCTION ET DISPOSITIF DE COMMANDE DE QUANTITE D'AERATION**
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[72] SUZUKI, NOBUKAZU, JP
[71] KUBOTA CORPORATION, JP
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[54] **SYSTEME DE PREPARATION DE BOISSONS**
[72] TONELLI, STEFANO, IT
[72] CASTELLI, CRISTIANO, IT
[72] ESPOSITO, ERCOLE, IT
[71] CAFFITALY SYSTEM S.P.A., IT
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[54] **MELANGES A BASE D'ACIDE 1-AMINO-1-CYCLOPROPANE CARBOXYLIQUE ET LEURS UTILISATIONS**
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[72] FRITTS, ROBERT JR., US
[72] WOOLARD, DEREK, US
[72] SILVERMAN, FRANKLIN PAUL, US
[71] VALENT BIOSCIENCES LLC, US
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[54] **SYSTEME D'ECHAPPEMENT DE TOIT POUR EVACUER L'AIR D'UN BATIMENT**
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[72] GRIFFIN, WILLIAM BRIAN, US
[71] CAPTIVE-AIRE SYSTEMS, INC., US
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[54] **FILTRAGE SELECTIF EN LONGUEUR D'ONDE AVEC RESEAU NON RADIAL D'ELEMENTS DE MICROSTRUCTURE**
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[72] DAWSON, JAY W., US
[72] DRACHENBERG, DERREK R., US
[72] MESSERLY, MICHAEL J., US
[72] PAX, PAUL H., US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[54] **TRAITEMENT DES EAUX USEES NE GENERANT AUCUN REJET LIQUIDE**
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[72] ZEEVY PEREZ, YAEL, IL
[71] P2W LTD., IL
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[54] **PROCEDE DE CAROTTAGE ET DE TRANCHAGE D'UN PRODUIT DE DIAMANT OBTENU PAR CVD ET APPAREIL POUR SA MISE EN ?UVRE**
[72] RICHERZHAGEN, BERNOLD, CH
[72] DIBOINE, JEREMIE, CH
[72] GENTON, JEROME, CH
[72] ZRYD, AMEDEE, CH
[71] SYNOVA S.A., CH
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[72] HALE, GEOFFREY, GB
[72] WILKINSON, IAN, GB
[71] MABSOLVE LIMITED, GB
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[54] **ENSEMBLE DE PROTECTION CONTRE LES SURTENSIONS**
[72] ANDERSON, GEORGE, US
[72] FUCHS, GREG, US
[72] ANDERSON, DAVID, US
[71] TECHHOLD, LLC, US
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[54] **DIAGNOSTIC ET THERAPIE D'UN DYSFONCTIONNEMENT MICROVASCULAIRE DE PERFUSION A FLUX REGULE**
[72] SCHWARTZ, ROBERT S., US
[72] HOEM, JON HELGE, CH
[72] FREY, SABRINA, CH
[72] BLUDAU, OLIVER, CH
[71] CORFLOW THERAPEUTICS AG, CH
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[54] **SYSTEME DE PARTICIPATION A DISTANCE**
[72] MURUGAN, CHANDRASAGARAN, ZA
[71] MURUGAN, CHANDRASAGARAN, ZA
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[30] US (63/027,481) 2020-05-20
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[54] **PYRIDINE DERIVATIVE AND APPLICATION THEREOF**
[54] **DERIVE DE PYRIDINE ET SON APPLICATION**
[72] LUO, YUNFU, CN
[72] BA, YUYONG, CN
[72] CHEN, SHUHUI, CN
[71] MEDSHINE DISCOVERY INC., CN
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[54] **FORMES CRISTALLINES D'OMADACYCLINE, LEURS PROCEDES DE SYNTHESE ET LEURS PROCEDES DE PREPARATION**
[72] WARCHOL, TADEUSZ, US
[72] JOHNSTON, SEAN M., US
[71] PARATEK PHARMACEUTICALS, INC., US
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[54] **MOLECULES D'ADAPTATEURS POUR REDIRIGER DES LYMPHOCYTES T A CAR VERS UN ANTIGENE D'INTERET**
[72] ALESSANDRINI, MARCO, CH
[72] KRAUSE, KARL-HEINZ, CH
[72] MYBURGH, RENIER, CH
[71] ANTION BIOSCIENCES SA, CH
[71] GENEVA UNIVERSITY HOSPITALS, CH
[71] UNIVERSITY OF GENEVA, CH
[71] UNIVERSITY OF ZURICH, CH
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[54] **FISH FARMING SYSTEM**
[54] **SYSTEME DE PISCICULTURE**
[72] MOHN, MARTHE ALMELAND, NO
[72] LINDSTAD, PAL, NO
[72] STRAND, ERIK, NO
[72] MO, FRODE, NO
[72] PAULSHUS, BJORN, NO
[72] ALMELAND, INGE BERTIN, NO
[72] FREDBORG, ANDREAS JO FALK, NO
[72] ERSDAL, SVEIN, NO
[72] JAKOBSEN, KRISTOFFER KJELLSA, NO
[72] BRUUN, PER KRISTIAN, NO
[72] BJERKNES, OLE JOHAN, NO
[72] HANNUS, HENRIK, NO
[71] AKER SOLUTIONS AS, NO
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[54] **SYSTEMS AND METHODS FOR AUTOMATIC AND NONINVASIVE LIVESTOCK HEALTH ANALYSIS**
[54] **SYSTEMES ET PROCEDES D'ANALYSE AUTOMATIQUE ET NON INVASIVE DE LA SANTE DU BETAIL**
[72] BENJAMIN, MADONNA, US
[72] LAVAGNINO, MICHAEL, US
[72] YIK, STEVEN, US
[72] MORRIS, DANIEL, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
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[54] **FORMULATION LIQUIDE D'UN CONJUGUE A ACTION PROLONGEE D'UN DERIVE DU GLUCAGON**
[72] DONG, JOO YOUNG, KR
[72] KIM, SANG YUN, KR
[72] BAE, SUNG MIN, KR
[72] LIM, HYUNG KYU, KR
[71] HANMI PHARM. CO., LTD., KR
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[54] **SYSTEM AND PROCESS FOR PRODUCING MESOPHASE COKE FROM ISOTROPIC PITCH**
[54] **SYSTEME ET PROCEDE PERMETTANT DE PRODUIRE DU COKE MESOPHASE A PARTIR D'UN BRAI ISOTROPE**
[72] NATARAJAN, CHINNASAMY, IN
[71] EPSILON ADVANCED MATERIALS PVT LTD, IN
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[54] **MANUFACTURING PROCEDURE FOR LABORATORY INTEGRATED ON A CHIP**
[54] **PROCEDE DE FABRICATION DE LABORATOIRE INTEGRE SUR UNE PUCE**
[72] FRANCO GONZALEZ, EMILIO, ES
[72] MOZO MULERO, MARTA, ES
[71] BIOTHINK TECHNOLOGIES, S.L., ES
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[51] **Int.Cl. A47J 31/36 (2006.01) A47J 31/44 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **SYSTEM FOR MAKING BEVERAGES**
[54] **SYSTEME DE FABRICATION DE BOISSONS**
[72] TONELLI, STEFANO, IT
[72] CASTELLI, CRISTIANO, IT
[72] ESPOSITO, ERCOLE, IT
[71] CAFFITALY SYSTEM S.P.A., IT
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[51] **Int.Cl. G06F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANNOTATING IMAGE SEQUENCES WITH LANDMARKS**
[54] **SYSTEMES ET PROCEDES POUR ANNOTER DES SEQUENCES D'IMAGES AU MOYEN DE POINTS DE REPERE**
[72] MORRIS, DANIEL, US
[72] YIK, STEVEN, US
[72] BENJAMIN, MADONNA, US
[72] LAVAGNINO, MICHAEL, US
[71] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR MACHINE-AUTOMATED CLASSIFICATION OF WEBSITE INTERACTIONS**
[54] **SYSTEMES ET PROCEDES DE CLASSIFICATION AUTOMATISEE D'INTERACTIONS DE SITE WEB**
[72] MARKSON, CHRISTOPHER R., US
[72] BOPPANA, ADITHYA CHOWDARY, US
[72] RAJENDRAN, RAHUL, US
[72] SHAH, PRITESH J., US
[72] LEHMUTH, CHRISTOPHER G., US
[71] EXPRESS SCRIPTS STRATEGIC DEVELOPMENT, INC., US
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[51] **Int.Cl. C07D 401/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **COMPOUND USED AS RET KINASE INHIBITOR AND APPLICATION THEREOF**
[54] **COMPOSE UTILISE COMME INHIBITEUR DE KINASE RET ET SON APPLICATION**
[72] LI, JUN, CN
[72] ZHENG, MAOLIN, CN
[72] NIU, CHENGSHAN, CN
[72] LIANG, APENG, CN
[72] WU, YUSHENG, CN
[71] TYK MEDICINES, INC., CN
[85] 2022-11-21
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[54] **COMPOSITIONS DE MICROBIOTE VAGINAL**
[72] WALSH, DANA M., US
[72] HAU, HEIDI, US
[72] STRANDBERG, KRISTI, US
[72] BLOUNT, KENNETH F., US
[72] JONES, LEE A., US
[71] FERRING B.V., NL
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[51] **Int.Cl. C08K 3/26 (2006.01) C08K 7/24 (2006.01) C08K 9/04 (2006.01)**
[25] EN
[54] **USE OF A POROUS FILLER FOR REDUCING THE GAS PERMEABILITY OF AN ELASTOMER COMPOSITION**
[54] **UTILISATION D'UNE CHARGE POREUSE POUR REDUIRE LA PERMEABILITE AUX GAZ D'UNE COMPOSITION ELASTOMERE**
[72] WELKER, MATTHIAS, FR
[72] RENTSCH, SAMUEL, CH
[71] OMYA DEVELOPMENT AG, CH
[85] 2022-11-21
[86] 2021-07-15 (PCT/EP2021/069700)
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[51] **Int.Cl. A43B 3/00 (2022.01) A61B 5/00 (2006.01) A61B 5/103 (2006.01) A61B 5/11 (2006.01) G01P 13/00 (2006.01)**
[25] EN
[54] **GAIT ANALYSIS SYSTEM**
[54] **SYSTEME D'ANALYSE DE DEMARCHE**
[72] WU, XUEFANG, US
[72] ALAJ, RINOL, US
[72] HAMON, SARA, US
[72] WIPPERMAN, MATTHEW F., US
[72] HARARI, OLIVIER, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[86] 2021-05-21 (PCT/US2021/033558)
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[25] EN
[54] **METHOD OF DETERMINING THE CONCENTRATION OF AN ANALYTE IN A SAMPLE OF A BODILY FLUID, MOBILE DEVICE, KIT, COMUTER PROGRAM AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **METHODE DE DETERMINATION DE LA CONCENTRATION D'UN ANALYTE DANS UN ECHANTILLON DE FLUIDE CORPOREL, DISPOSITIF MOBILE, TROUSSE, PROGRAMME INFORMATIQUE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEU**
[72] BERG, MAX, DE
[72] HAILER, FREDRIK, DE
[72] LIMBURG, BERND, DE
[72] TUERCK, VOLKER, DE
[72] WINKELNKEMPER, MOMME, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
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[51] **Int.Cl. G07F 17/12 (2006.01)**
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[54] **SECURITY AND GUIDANCE SYSTEMS AND METHODS FOR PARCEL-RECEIVING DEVICES**
[54] **SYSTEMES ET PROCEDES DE SECURITE ET DE GUIDAGE DE DISPOSITIFS DE RECEPTION DE COLIS**
[72] BYERS, CHARLES CALVIN, US
[72] WALSH, RYAN, US
[72] LACZAK, DAVID, US
[72] PROKUSKI, STEFAN, US
[72] FALESCH, ALEX, US
[71] VALQARI, LLC, US
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[25] EN
[54] **BUTTON COVERS AND BUTTONS WITH BIOACTIVE MATERIALS**
[54] **COUVRE-BOUTONS ET BOUTONS AVEC DES MATERIAUX BIOACTIFS**
[72] SISSON, MARK, US
[72] HACKEMEYER, DENNIS, US
[71] NANOTOUCH MATERIALS, LLC, US
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[30] US (62/850,776) 2019-05-21
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[51] **Int.Cl. A47J 31/36 (2006.01) A47J 31/44 (2006.01) B65D 85/804 (2006.01)**
[25] EN
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[54] **SYSTEME DE FABRICATION DE BOISSONS**
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[72] TONELLI, STEFANO, IT
[72] ESPOSITO, ERCOLE, IT
[71] CAFFITALY SYSTEM S.P.A., IT
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[54] **SUBSTITUTED BENZAMIDES AS MODULATORS OF TREX1**
[54] **BENZAMIDES SUBSTITUES EN TANT QUE MODULATEURS DE TREX1**
[72] COFFIN, AARON, US
[72] LEVELL, JULIAN R., US
[72] MEDIKONDA, ARAVIND PRASAD, US
[72] ZABLOCKI, MARY-MARGARET, US
[72] TAVERAS, KENNEDY, US
[72] WILSON, JONATHAN E., US
[71] CONSTELLATION PHARMACEUTICALS, INC., US
[85] 2022-11-21
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[30] US (63/030,590) 2020-05-27

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[51] **Int.Cl. A23L 5/46 (2016.01) A61K 8/49 (2006.01) C07D 491/048 (2006.01) C09B 61/00 (2006.01) C09B 67/54 (2006.01) C12P 17/18 (2006.01)**
[25] EN
[54] **ATROROSINS AS FOOD COLORS**
[54] **ATROROSINES EN TANT QUE COLORANTS ALIMENTAIRES**
[72] DALBOGE, HENRIK, DK
[72] ODUM, ANDERS SEBASTIAN ROSENKRANS, DK
[71] CHROMOLOGICS APS, DK
[85] 2022-11-21
[86] 2021-07-06 (PCT/EP2021/068647)
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[30] DK (PA202070464) 2020-07-06

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[51] **Int.Cl. A01N 25/34 (2006.01) B32B 27/18 (2006.01) B62B 3/14 (2006.01) B65D 59/04 (2006.01) B65D 81/28 (2006.01)**
[25] EN
[54] **HANDLE SLEEVES WITH BIOACTIVE SURFACE COATINGS**
[54] **MANCHONS DE POIGNEE A REVETEMENTS DE SURFACE BIOACTIFS**
[72] HACKEMEYER, DENNIS, US
[72] SISSON, MARK, US
[71] NANOTOUCH MATERIALS, LLC, US
[85] 2022-11-21
[86] 2020-05-21 (PCT/US2020/033917)
[87] (WO2020/237004)
[30] US (62/850,790) 2019-05-21
[30] US (16/879,031) 2020-05-20
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[25] EN
[54] **FORMULATIONS AND METHODS FOR TREATING ERECTILE DYSFUNCTION**
[54] **FORMULATIONS ET PROCEDES DE TRAITEMENT DU DYSFONCTIONNEMENT ERECTILE**
[72] CHOW, MOSES, US
[72] CHOW, SHERYL L., US
[71] STRATEGIC DRUG SOLUTIONS, INC., US
[85] 2022-11-21
[86] 2021-05-26 (PCT/US2021/034334)
[87] (WO2021/242913)
[30] US (63/029,881) 2020-05-26

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[54] **METHODS OF AUTONOMOUS TRANSMISSION AFTER CANCELLATION**
[54] **PROCEDES DE TRANSMISSION AUTONOME APRES ANNULATION**
[72] SHAPIN, ALEXEY, SE
[72] ALABBASI, ABDULRAHMAN, SE
[72] ZOU, ZHENHUA, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2022-11-21
[86] 2021-05-19 (PCT/EP2021/063392)
[87] (WO2021/234060)
[30] US (63/028081) 2020-05-21

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[13] A1
[51] **Int.Cl. C08L 27/06 (2006.01) C08L 75/04 (2006.01) C08L 29/14 (2006.01)**
[25] EN
[54] **DECORATIVE PANEL, AND DECORATIVE FLOOR COVERING CONSISTING OF SAID PANELS**
[54] **PANNEAU DECORATIF ET REVETEMENT DE SOL DECORATIF CONSTITUE DE CES PANNEAUX**
[72] BOUCKE, EDDY ALBERIC, BE
[72] DE KONING, MATHIAS WILHELMUS, NL
[71] I4F LICENSING NV, BE
[85] 2022-11-21
[86] 2021-06-04 (PCT/EP2021/065054)
[87] (WO2021/245261)
[30] NL (2025762) 2020-06-04
[30] NL (2026896) 2020-11-13

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/44 (2006.01) A61K 38/49 (2006.01) A61P 7/02 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVED ENDOVASCULAR THROMBECTOMY USING 3,3'-DIINDOLYLMETHANE**
[54] **PROCEDES POUR UNE THROMBECTOMIE ENDOVASCULAIRE AMELIOREE A L'AIDE DE 3,3'-DIINDOLYLMETHANE**
[72] ZELIGS, MICHAEL A., US
[72] JACOBS, IRWIN C., US
[71] BOULDER BIOSCIENCE LLC, US
[85] 2022-11-21
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[87] (WO2021/242970)
[30] US (63/032,218) 2020-05-29

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[51] **Int.Cl. C08K 3/26 (2006.01) C08K 9/04 (2006.01) C08K 9/06 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **REINFORCED ELASTOMER COMPOSITION**
[54] **COMPOSITION ELASTOMERE RENFORCEE**
[72] WELKER, MATTHIAS, FR
[72] RENTSCH, SAMUEL, CH
[71] CIPO, CA
[71] OMYA DEVELOPMENT AG, CH
[85] 2022-11-21
[86] 2021-07-15 (PCT/EP2021/069694)
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[30] EP (20186209.1) 2020-07-16

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[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/438 (2006.01) A61K 31/454 (2006.01) A61P 7/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **KINASE INHIBITORS**
[54] **INHIBITEURS DE KINASES**
[72] COBURN, CRAIG ALAN, US
[72] KUMAR, DANGE VIJAY, US
[72] BUZARD, DANIEL JOHN, US
[72] ARORA, NIDHI, US
[71] GB005, INC., US
[85] 2022-11-21
[86] 2021-06-02 (PCT/US2021/035509)
[87] (WO2021/247748)
[30] US (63/033,724) 2020-06-02
[30] US (63/033,728) 2020-06-02
[30] US (63/033,729) 2020-06-02
[30] US (63/136,577) 2021-01-12
[30] US (63/136,587) 2021-01-12
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[13] A1
[51] **Int.Cl. G01C 21/10 (2006.01) H04W 4/021 (2018.01) G08C 17/02 (2006.01)**
[25] EN
[54] **ELECTRONIC MONITORING SYSTEM WITH KPI-BASED OPTIMIZATION**
[54] **SYSTEME DE SURVEILLANCE ELECTRONIQUE AVEC OPTIMISATION BASEE SUR KPI**
[72] JONES, ROBERT TODD, US
[72] BENNETT, ERIC BRICE, US
[72] HAWKINS, JUSTIN T., US
[71] TALITRIX HOLDINGS, LLC, US
[85] 2022-11-21
[86] 2021-05-20 (PCT/US2021/033460)
[87] (WO2021/236960)
[30] US (63/028,385) 2020-05-21

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) B05B 15/65 (2018.01) A61M 15/00 (2006.01) B05B 1/00 (2006.01) B05B 1/26 (2006.01)**
[25] EN
[54] **INVERTED NOZZLE FIXTURE AND METHOD**
[54] **APPAREIL DE BUSE INVERSEE ET PROCEDE**
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[72] RAWERT, JURGEN, DE
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[54] **SYSTEME POUR DETECTER DES PROPRIETES D'UNE COUCHE DE MATERIAU**
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[72] PINTZ, HEIKO, DE
[71] HUESKER SYNTHETIC GMBH, DE
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[54] **SYSTEMS AND METHODS FOR CONTROLLING AND MAINTAINING THE TEMPERATURE OF A DRINK WITHIN A DRINKING VESSEL**
[54] **SYSTEMES ET PROCEDES DE COMMANDE ET DE MAINTIEN DE LA TEMPERATURE D'UNE BOISSON A L'INTERIEUR D'UN RECIPIENT A BOIRE**
[72] PAWLIK, RANDALL, US
[72] PAWLIK, LISA, US
[71] VOCHILL LLC, US
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[54] **DERMAL FILLERS**
[54] **AGENTS DE REMPLISSAGE DERMIQUE**
[72] SZERESZEWSKI, KAMA, CA
[72] HICKEY, RYAN, CA
[72] PELLING, ANDREW EDWARD, CA
[72] LEBLANC LATOUR, MAXIME, CA
[72] STROOBACH, MARK, CA
[72] MILMAN, PAVEL, CA
[72] ODDING, CHRISTOPHER, CA
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[71] SPIDERWORT INC., CA
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[54] **TRAITEMENT DE MESSAGE SEI IMBRIQUES DE MANIERE EVOLUTIVE DANS UN PROCEDE D'EXTRACTION DE SOUS-FLUX BINAIRE VIDEO**
[72] WANG, YE-KUI, US
[71] BYTEDANCE INC., US
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[86] 2021-05-21 (PCT/US2021/033717)
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[54] **COMBINATION CYTOKINES FOR METHODS AND COMPOSITIONS FOR TREATING CANCER**
[54] **COMBINAISON DE CYTOKINES POUR DES METHODES ET COMPOSITIONS DE TRAITEMENT DU CANCER**
[72] PAIGE, CHRISTOPHER J., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2022-11-21
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[54] **LIQUID PREPARATION OF LONG-ACTING CONJUGATE OF GLUCAGON/GLP-1/GIP TRIGONAL AGONIST**
[54] **PREPARATION LIQUIDE D'UN CONJUGUE A ACTION PROLONGEE DE L'AGONISTE TRIGONAL DE GLUCAGON/GLP-1/GIP**
[72] LIM, HYUNG KYU, KR
[72] KIM, SANG YUN, KR
[72] BAE, SUNG MIN, KR
[71] HANMI PHARM. CO., LTD., KR
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[54] **SOUDEUSE ORBITALE**
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[72] CLEMMONS, MARK, US
[72] JONES, ALAN, US
[72] LYNCH, NATHAN, US
[72] RADHAKRISHNAN, SHAILESH, US
[71] CRC-EVANS PIPELINE INTERNATIONAL, INC., US
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[54] **LIQUID REMOVAL DEVICE WITH ABSORBER DRUM AND RELATED METHODS**
[54] **DISPOSITIF D'ELIMINATION DE LIQUIDE A TAMBOUR ABSORBEUR ET PROCEDES ASSOCIES**
[72] STEWART, JUSTIN, US
[71] CLEVERTIVITY LLC, US
[85] 2022-11-21
[86] 2021-07-14 (PCT/US2021/041593)
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[25] EN
[54] **A SYRINGE, A METHOD FOR MANUFACTURING SUCH SYRINGES AND AN ASSEMBLY**
[54] **SERINGUE, PROCEDE DE FABRICATION DE TELLES SERINGUES ET ENSEMBLE**
[72] MARTINSSON, PATRICK, MT
[72] FRISCHER, IVAR, SE
[71] MEDTECH CONCEPT LLC, US
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[25] EN
[54] **METHODS AND APPARATUS FOR COLLECTING BODY FLUIDS**
[54] **PROCEDES ET APPAREIL DE COLLECTE DE FLUIDES CORPORELS**
[72] DUVAL, LANDON, US
[71] UR24TECHNOLOGY, INC, US
[85] 2022-11-21
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[54] **SYSTEM FOR WARNING ABOUT ENTERING A RESTRICTED AREA**
[54] **SYSTEME D'AVERTISSEMENT CONCERNANT L'ENTREE D'UNE ZONE LIMITEE**
[72] PFANNER, ANTON, AT
[71] PFANNER SCHUTZBEKLEIDUNG GMBH, AT
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[54] **METHOD, APPARATUS, DEVICE AND SYSTEM FOR THE GENERATION OF ELECTRICITY**
[54] **PROCEDE, APPAREIL, DISPOSITIF ET SYSTEME POUR LA PRODUCTION D'ELECTRICITE**
[72] PAREKH, PLATINA SUNEEL, IN
[72] PAREKH, NAVNITDAS RADHAKISHAN (DECEASED), IN
[72] PAREKH, SUNEEL NAVNITDAS, IN
[71] SU-N ENERGY HOLDINGS LTD., CA
[71] PAREKH, SUNEEL NAVNITDAS, IN
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[54] **TECHNOLOGIE PERMETTANT D'OBTENIR DE L'ELECTRICITE LIBRE A DES MOMENTS DE RESONANCES GRAVITATIONNELLES**
[72] KUKHAREV, VADIM, RU
[71] KUKHAREV, VADIM, RU
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[54] **OFF-ICE TRAINING BLADE AND SKATE**
[54] **LAME D'ENTRAINEMENT HORS GLACE ET PATIN**
[72] RIOU, KELLY, CA
[72] DRAGAN, ZENON, CA
[72] FURMAN, CORY, CA
[71] ALIEN KINETICS TECHNOLOGIES INC., CA
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[54] **OSCILLATING ENDOSCOPIC CATHETER FOR FALLOPIAN TUBE NAVIGATION**
[54] **CATHETER ENDOSCOPIQUE OSCILLANT POUR NAVIGATION DANS LES TROMPES DE FALLOPE**
[72] CHIN, ALBERT K., US
[72] CAO, PEI-JIE, US
[71] FEMDX MEDSYSTEMS, INC., US
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[87] (WO2021/242779)
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[54] **MASQUE FACIAL DE LACTOFERRINE ANTIVIRALE**
[72] HOPE, PAUL, GB
[71] VIRUSTATIC LTD., GB
[71] HOPE, PAUL, GB
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[86] 2021-07-06 (PCT/IB2021/054233)
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[54] **APPARATUS AND PROCESS FOR ROASTING AND DISCHARGING COFFEE BEANS**
[54] **APPAREIL ET PROCEDE DE TORREFACTION ET D'EVACUATION DE GRAINS DE CAFE**
[72] SAVIOZ, GREGORY, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[51] **Int.Cl. A23L 29/20 (2016.01) A23L 29/206 (2016.01) A23L 2/68 (2006.01)**
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[54] **COMPOSITIONS TO PROMOTE SWALLOWING SAFETY AND EFFICIENCY**
[54] **COMPOSITIONS POUR FAVORISER LA SECURITE ET L'EFFICACITE DE LA DEGLUTITION**
[72] JEDWAB, MICHAEL, CH
[72] MICHLIG GONZALEZ, STEPHANIE, CH
[72] LE REVEREND, BENJAMIN JEAN DIDIER, US
[72] SATHYAVAGEESWARAN, SHREERAM, SG
[72] FRANKS, MELANIE, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[51] **Int.Cl. A61K 31/133 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND USE OF A CERTAIN MEDICATION FOR REDUCING VIRAL REPLICATION IN THE AIRWAYS MUCOSAE**
[54] **SYSTEME, PROCEDE ET UTILISATION D'UN CERTAIN MEDICAMENT POUR REDUIRE LA REPLICATION VIRALE DANS LES MUQUEUSES DES VOIES RESPIRATOIRES**
[72] RIVEROS, CARLOS ALBERTO, US
[71] RIVEROS, CARLOS ALBERTO, US
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[54] **LIQUID FORMULATION**
[54] **FORMULATION LIQUIDE**
[72] MOON, JI HYE, KR
[72] LEE, JI EUN, KR
[71] HANMI PHARM. CO., LTD., KR
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[51] **Int.Cl. B05B 11/02 (2006.01)**
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[54] **DEVICE AND SYSTEM FOR DISPENSING A LIQUID FROM A CONTAINER, AND METHOD FOR ASSEMBLING A DEVICE FOR DISPENSING A LIQUID**
[54] **DISPOSITIF ET SYSTEME DE DISTRIBUTION D'UN LIQUIDE A PARTIR D'UN RECIPIENT, ET PROCEDE D'ASSEMBLAGE D'UN DISPOSITIF DE DISTRIBUTION D'UN LIQUIDE**
[72] VAN DEN HEUVEL, LUKAS JAKOB WILLEM, NL
[72] HURKMANS, PETRUS LAMBERTUS, NL
[72] NERVO, PAULO, NL
[71] DISPENSING TECHNOLOGIES B.V., NL
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[87] (WO2021/242110)
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[54] **SECURE REMOTE ACCESS TO INDUSTRIAL CONTROL SYSTEMS USING HARDWARE BASED AUTHENTICATION**
[54] **ACCES A DISTANCE SECURISE A DES SYSTEMES DE COMMANDE INDUSTRIELS A L'AIDE D'UNE AUTHENTIFICATION SUR BASE DE MATERIEL**
[72] LAWRENCE, JEREMY, US
[72] HOLLERN, JASON M., US
[72] GEDDES, BRADLEY, US
[72] THOW, MICHAEL L., US
[72] THIBAULT, JUSTIN C., US
[71] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
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[54] **CATHETER URINAIRE MULTI-FLEX**
[72] O'DONNELL, PAUL M., US
[72] FAHEY, JOSEPH, US
[72] KEARNS, BARBARA J., US
[71] HOLLISTER INCORPORATED, US
[85] 2022-11-22
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[51] **Int.Cl. C08L 71/00 (2006.01)**
[25] EN
[54] **CROSSLINKED AROMATIC POLYMER COMPOSITIONS AND METHODS OF MAKING INSULATION COATINGS**
[54] **COMPOSITIONS DE POLYMERES AROMATIQUES RETICULES ET PROCEDES DE FABRICATION DE REVETEMENTS ISOLANTS**
[72] DRAKE, KERRY A., US
[72] SONG, LE, US
[72] GAVLIK, RICHARD, US
[71] GREENE, TWEED TECHNOLOGIES, INC., US
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[51] **Int.Cl. B29C 44/02 (2006.01) B29C 44/04 (2006.01) B29C 44/08 (2006.01) B65D 1/34 (2006.01) B65D 1/42 (2006.01) B65D 81/26 (2006.01)**
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[54] **TRAY AND MANUFACTURE THEREOF**
[54] **PLATEAU ET SA FABRICATION**
[72] CLARKE, PETER REGINALD, GB
[72] BOCKING, CHRIS, GB
[71] BOCKATECH LTD, GB
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[86] 2021-07-16 (PCT/EP2021/070035)
[87] (WO2022/017986)
[30] GB (2011345.2) 2020-07-22
[30] GB (2017812.5) 2020-11-11
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[51] **Int.Cl. A61K 8/46 (2006.01) A61K 8/34 (2006.01) C07C 31/125 (2006.01) C07C 305/04 (2006.01) C11D 1/29 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING REDUCED GLYCOL FATTY ALCOHOL ETHOXYLATES, REDUCED GLYCOL SULFATE ETHOXYLATED SURFACTANTS, AND PRODUCTS**
[54] **PROCEDE DE PRODUCTION D'ETHOXYLATES D'ALCOOL GRAS DE GLYCOL REDUIT, TENSIOACTIFS ETHOXYLES DE SULFATE DE GLYCOL REDUIT ET PRODUITS**
[72] SMITH, EDWARD DEWEY III, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2022-11-22
[86] 2021-06-09 (PCT/US2021/036571)
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[51] **Int.Cl. A47J 31/60 (2006.01) A47J 31/36 (2006.01)**
[25] EN
[54] **SYSTEM FOR MAKING BEVERAGES**
[54] **SYSTEME DE PREPARATION DE BOISSONS**
[72] TONELLI, STEFANO, IT
[72] CASTELLI, CRISTIANO, IT
[72] ESPOSITO, ERCOLE, IT
[71] CAFFITALY SYSTEM S.P.A., IT
[85] 2022-11-22
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[51] **Int.Cl. A61M 5/168 (2006.01) A61M 39/10 (2006.01) A61M 39/28 (2006.01)**
[25] EN
[54] **INTEGRATED LIQUID FLOW CLOSED LOOP SENSING AND CONTROL**
[54] **DETECTION ET COMMANDE DE BOUCLE FERMEE D'ECOULEMENT DE LIQUIDE INTEGREE**
[72] ABAL, DANIEL, US
[72] BURGESS, BRENDAN JOHN, US
[72] SUBRAMANIAN, RAMKUMAR, US
[72] DAVE, JAY JYOTINDRA, US
[71] CAREFUSION 303, INC., US
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[51] **Int.Cl. G06T 11/60 (2006.01) G06T 7/30 (2017.01) G06T 3/20 (2006.01) G06T 3/60 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMAGE CAPTURE**
[54] **SYSTEMES ET PROCEDES DE CAPTURE D'IMAGES**
[72] DZITSIUK, YEVHENIIA, US
[72] CURRO, DOMENICO, US
[72] CHOW, SIU FAI, US
[72] SOMMERS, JEFFREY, US
[72] BARBHAIYA, HARSH, US
[71] HOVER INC., US
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[86] 2021-05-26 (PCT/US2021/034158)
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[30] US (63/029,792) 2020-05-26
[30] US (63/164,449) 2021-03-22
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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **INFUSION PUMP SENSING SYSTEM**
[54] **SYSTEME DE DETECTION DE POMPE A PERFUSION**
[72] ABAL, DANIEL, US
[72] BURGESS, BRENDAN, US
[72] SUBRAMANIAN, RAMKUMAR, US
[71] CAREFUSION 303, INC., US
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[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01)**
[25] EN
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[54] **DISPOSITIF DE SURVEILLANCE DE CHAMBRE DE GOUTTE-A-GOUTTE EN TEMPS REEL**
[72] ABAL, DANIEL, US
[72] BURGESS, BRENDAN, US
[72] SUBRAMANIAN, RAMKUMAR, US
[72] ZIRKLE, MICHAEL, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-22
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[87] (WO2021/242526)
[30] US (63/030,817) 2020-05-27

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[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AND MONITORING ENVIRONMENTAL CONDITIONS OF A SEMEN SAMPLE DURING TRANSPORT**
[54] **SYSTEMES ET PROCEDES DE COMMANDE ET DE SURVEILLANCE DE CONDITIONS ENVIRONNEMENTALES D'UN ECHANTILLON DE SPERME PENDANT LE TRANSPORT**
[72] FALK, OWEN, US
[72] MATTHEWS, WILLIAM, US
[71] FELLOW HEALTH INC., US
[85] 2022-11-22
[86] 2021-05-27 (PCT/US2021/034628)
[87] (WO2021/243089)
[30] US (63/030,730) 2020-05-27

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[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/40 (2018.01)**
[25] EN
[54] **AUTOMATED DEVICE MAINTENANCE SUPPORT TOOL**
[54] **OUTIL DE PRISE EN CHARGE AUTOMATISEE DE MAINTENANCE DE DISPOSITIF**
[72] CHEN, EVAN, US
[72] NESTERENKO, IGOR, US
[72] HAMRICK, TIFFANY, US
[72] WORKMAN, MICHAEL, US
[72] SULLIVAN, BRIAN, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-22
[86] 2021-05-27 (PCT/US2021/034600)
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[30] US (63/032,309) 2020-05-29

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[51] **Int.Cl. G06F 17/10 (2006.01) G06F 3/048 (2013.01) G06F 17/11 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SOLVING AN OPTIMIZATION PROBLEM USING A FLEXIBLE MODULAR APPROACH**
[54] **PROCEDES ET SYSTEMES DE RESOLUTION D'UN PROBLEME D'OPTIMISATION A L'AIDE D'UNE APPROCHE MODULAIRE FLEXIBLE**
[72] KUTTIMALAI, SILVAN SHIWA, CA
[72] ARAMON BAJESTANI, MALIHEH, CA
[72] ROSENBERG, GILAD AMIR, CA
[72] ROSE, NATHAN ANDREW, CA
[72] WOODS, BRADLEY DAVID, CA
[71] 1QB INFORMATION TECHNOLOGIES INC., CA
[85] 2022-11-22
[86] 2021-05-26 (PCT/CA2021/050709)
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[30] US (63/030,803) 2020-05-27

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[51] **Int.Cl. C02F 5/08 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING AND MONITORING SCALE FORMATION IN INDUSTRIAL WATER SYSTEMS**
[54] **PROCEDES DE PREDICTION ET DE SURVEILLANCE DE FORMATION DE TARTRE DANS DES SYSTEMES D'EAU INDUSTRIELLE**
[72] KALAKODIMI, RAJENDRA PRASAD, US
[72] BANERJEE, SANTANU, US
[72] DU, TZONG, US
[71] CHEMTREAT, INC., US
[85] 2022-11-22
[86] 2021-06-30 (PCT/US2021/039905)
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[30] US (63/074,576) 2020-09-04

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[51] **Int.Cl. A61K 31/34 (2006.01) A61K 31/343 (2006.01) C07D 307/78 (2006.01) C07D 307/80 (2006.01)**
[25] EN
[54] **ADVANTAGEOUS BENZOFURAN COMPOSITIONS FOR MENTAL DISORDERS OR ENHANCEMENT**
[54] **COMPOSITIONS DE BENZOFURANE AVANTAGEUSES POUR TROUBLES MENTAUX OU AMELIORATION MENTALE**
[72] BAGGOTT, MATTHEW, US
[71] TACTOGEN INC, US
[85] 2022-11-22
[86] 2021-06-08 (PCT/US2021/036479)
[87] (WO2021/252538)
[30] US (63/036,382) 2020-06-08
[30] US (63/046,496) 2020-06-30
[30] US (63/048,616) 2020-07-06
[30] US (63/149,223) 2021-02-13
[30] US (63/165,731) 2021-03-24
[30] US (63/055,897) 2020-07-23
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[51] **Int.Cl. F16D 3/20 (2006.01) C21D 1/06 (2006.01) C23C 8/04 (2006.01) C23C 8/20 (2006.01) C23C 8/44 (2006.01) F16C 33/12 (2006.01) F16C 33/64 (2006.01) F16D 3/26 (2006.01)**
[25] EN
[54] **METHOD OF CARBURIZING DRIVELINE COMPONENTS**
[54] **PROCEDE DE CARBURATION D'ORGANES DE TRANSMISSION**
[72] CARLINI, SEAN M., US
[71] AIRCRAFT GEAR CORPORATION, US
[85] 2022-11-22
[86] 2021-05-26 (PCT/US2021/034298)
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[51] **Int.Cl. A61K 31/4745 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS AND USES THEREOF**
[54] **FORMULATIONS ORALES ET LEURS UTILISATIONS**
[72] DAI, XING, CN
[72] WANG, XIAOMEI, CN
[72] LIU, YANQIN, CN
[72] JIANG, YUEHENG, CN
[72] WANG, YAOLIN, CN
[71] INVENTISBIO CO., LTD., CN
[85] 2022-11-22
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[51] **Int.Cl. G01R 33/30 (2006.01)**
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[54] **ILLUMINATION INSERT FOR AN NMR SPECTROMETER**
[54] **INSERT D'ECLAIRAGE POUR SPECTROMETRE RMN**
[72] GOLOVANOV, ALEXANDER, GB
[71] THE UNIVERSITY OF MANCHESTER, GB
[85] 2022-11-22
[86] 2021-05-21 (PCT/GB2021/051254)
[87] (WO2021/250372)
[30] GB (2008825.8) 2020-06-10

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[51] **Int.Cl. F42D 1/10 (2006.01) F42D 1/22 (2006.01)**
[25] EN
[54] **LOADING ASSEMBLY AND METHOD FOR PREPARING BOREHOLES FOR A BLASTING OPERATION**
[54] **ENSEMBLE DE CHARGEMENT ET PROCEDE DE PREPARATION DE TROUS DE FORAGE POUR UNE OPERATION D'ABATTAGE**
[72] ENGBLOM, JOHAN, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[85] 2022-11-22
[86] 2021-05-24 (PCT/SE2021/050483)
[87] (WO2021/242163)
[30] SE (2030174-3) 2020-05-26

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[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **MODULAR BREW SYSTEMS**
[54] **SYSTEMES D'INFUSION MODULAIRES**
[72] VENKATAKRISHNAN, NATARAJAN, US
[72] GORMLEY, JOSEPH EMIL, US
[71] STARBUCKS CORPORATION, US
[85] 2022-11-22
[86] 2021-05-19 (PCT/US2021/033185)
[87] (WO2021/247242)
[30] US (16/890,202) 2020-06-02

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[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **PISTON INITIATOR FOR SIDETRACK ASSEMBLY**
[54] **AMORCEUR A PISTON POUR ENSEMBLE DE DEVIATION**
[72] TAYLOR, JAMES H., US
[72] SCHMIDT, RONALD G., US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2022-11-22
[86] 2021-05-03 (PCT/US2021/030470)
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[30] US (16/891,276) 2020-06-03

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[13] A1
[51] **Int.Cl. C25C 3/06 (2006.01) C25C 3/08 (2006.01) C25C 3/16 (2006.01)**
[25] EN
[54] **CATHODE ASSEMBLY WITH METALLIC COLLECTOR BAR SYSTEMS FOR ELECTROLYTIC CELL SUITABLE FOR THE HALL-HEROULT PROCESS**
[54] **ENSEMBLE CATHODE AVEC SYSTEMES DE BARRES COLLECTRICES METALLIQUES POUR CELLULE D'ELECTROLYSE SE PRETANT AU PROCEDE HALL-HEROULT**
[72] JONQUA, BERNARD, AE
[72] MUKHANOV, ALEXANDER, AE
[72] MUSTAFA, MUSTAFA, AE
[71] DUBAI ALUMINIUM PJSC, AE
[85] 2022-11-22
[86] 2021-05-25 (PCT/IB2021/054511)
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[30] GB (2007782.2) 2020-05-26

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING IGA NEPHROPATHY WITH AN APRIL BINDING ANTIBODY**
[54] **METHODES DE TRAITEMENT D'UNE NEPHROPATHIE A IGA AVEC UN ANTICORPS DE LIAISON A APRIL**
[72] VAN DE LAAR, TEUN, NL
[72] HONARMAND, SOMAYEH, US
[72] DULOS, JOHN, NL
[72] DE COCK, EDUARD, NL
[71] CHINOOK THERAPEUTICS, INC., US
[71] ADURO BIOTECH HOLDINGS, EUROPE B.V., NL
[85] 2022-11-22
[86] 2021-05-28 (PCT/US2021/035011)
[87] (WO2021/243298)
[30] US (62/704,831) 2020-05-29

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[51] **Int.Cl. A61K 8/44 (2006.01) A61K 8/60 (2006.01) A61K 8/73 (2006.01)**
[25] EN
[54] **NATURALLY DERIVED SURFACTANT SYSTEM AND COMPOSITION COMPRISING THE SAME**
[54] **SYSTEME TENSIOACTIF D'ORIGINE NATURELLE ET COMPOSITION LE COMPRENANT**
[72] WATERS, DAVID, US
[72] YUAN, MINGJUN, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-11-22
[86] 2021-06-02 (PCT/EP2021/064838)
[87] (WO2021/245159)
[30] EP (20178377.6) 2020-06-04

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[51] **Int.Cl. A61K 31/5513 (2006.01)**
[25] EN
[54] **METHODS OF SYNTHESIZING FARNESYL DIBENZODIAZEPINONES**
[54] **PROCEDES DE SYNTHESE DE DIBENZODIAZEPINONES DE FARNESYLE**
[72] KIERNAN, BERNARD MATTHEW, US
[72] BAILEY, THOMAS R., US
[72] LI, BINFENG, CN
[71] AMO PHARMA LTD, US
[85] 2022-11-22
[86] 2021-05-28 (PCT/US2021/034786)
[87] (WO2021/243171)
[30] US (63/031,911) 2020-05-29

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[13] A1
[51] **Int.Cl. D07B 1/06 (2006.01)**
[25] FR
[54] **DOUBLE-LAYER MULTI-STRAND CABLE HAVING IMPROVED BENDING ENDURANCE**
[54] **CABLE MULTI-TORONS A DEUX COUCHES A ENDURANCE SOUS FLEXION AMELIOREE**
[72] CHEVALLEY, MARIANNA, FR
[72] BARBAT, ROMAIN, FR
[72] GIANETTI, ALEXANDRE, FR
[72] LAURENT, STEPHANE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[86] 2021-06-18 (PCT/FR2021/051107)
[87] (WO2021/260304)
[30] FR (FR2006608) 2020-06-24

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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/07 (2010.01) C12N 5/071 (2010.01)**
[25] EN
[54] **NUTRIENT MEDIA FOR THE PRODUCTION OF SLAUGHTER-FREE MEAT**
[54] **MILIEU NUTRITIF POUR PRODUCTION DE VIANDE SANS ABATTAGE**
[72] JOHNSON, KALLE LUKYAN, US
[72] BENTON, PATRICIA R., US
[72] COPELAND, CAMERON GENTRY, US
[72] DHADWAR, SUKHDEEP SINGH, US
[72] FIRPO, MERI TERESA, US
[72] GIBBONS, MARIE ELIZABETH, US
[72] HSU, STEPHEN K., US
[72] SIERRA, ROBERT, US
[72] KAYSER, KEVIN JOHN, US
[71] UPSIDE FOODS, INC., US
[85] 2022-11-22
[86] 2021-06-07 (PCT/US2021/036264)
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[30] US (63/035,661) 2020-06-05

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[51] **Int.Cl. B64G 1/00 (2006.01) G05D 1/10 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR ORBITAL COLLISION SCREENING**
[54] **SYSTEME ET PROCEDE DE CRIBLAGE DE COLLISION EN ORBITE**
[72] ROSNER, CHRISTOPHER JOSHUA, US
[72] NICOLLS, MICHAEL JAMES, US
[71] LEOLABS, INC., US
[85] 2022-11-22
[86] 2021-06-23 (PCT/US2021/038715)
[87] (WO2021/262867)
[30] US (63/043,368) 2020-06-24

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[13] A1
[51] **Int.Cl. B01J 19/24 (2006.01)**
[25] EN
[54] **REACTOR SPARGER ASSEMBLY**
[54] **ENSEMBLE ARROSEUR DE REACTEUR**
[72] HUNT, SEAN T., US
[72] KECKLER, KENNETH, US
[71] SOLUGEN, INC., US
[85] 2022-11-22
[86] 2021-05-27 (PCT/US2021/034621)
[87] (WO2021/243083)
[30] US (63/031,257) 2020-05-28

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[51] **Int.Cl. C07K 16/10 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **ANTI-SARS-COV-2-SPIKE GLYCOPROTEIN ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS**
[54] **ANTICORPS ANTI-GLYCOPROTEINE SPIKE DU SARS-COV 2 ET LEURS FRAGMENTS DE LIAISON A L'ANTIGENE**
[72] BAUM, ALINA, US
[72] FULTON, BENJAMIN, US
[72] KYRATSOUS, CHRISTOS, US
[72] YANCOPOULOS, GEORGE D., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-11-22
[86] 2021-05-26 (PCT/US2021/034187)
[87] (WO2021/242815)
[30] US (63/030,260) 2020-05-26
[30] US (63/033,198) 2020-06-01
[30] US (63/093,888) 2020-10-20
[30] US (63/112,143) 2020-11-10
[30] US (63/141,956) 2021-01-26
[30] US (63/142,472) 2021-01-27
[30] US (63/145,389) 2021-02-03
[30] US (63/159,437) 2021-03-10

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[13] A1
[51] **Int.Cl. D07B 1/06 (2006.01)**
[25] FR
[54] **DOUBLE-LAYER MULTI-STRAND CABLE HAVING IMPROVED BENDING ENDURANCE**
[54] **CABLE MULTI-TORONS A DEUX COUCHES A ENDURANCE SOUS FLEXION AMELIOREE**
[72] CHEVALLEY, MARIANNA, FR
[72] BARBAT, ROMAIN, FR
[72] GIANETTI, ALEXANDRE, FR
[72] LAURENT, STEPHANE, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[86] 2021-06-18 (PCT/FR2021/051106)
[87] (WO2021/260303)
[30] FR (FR2006605) 2020-06-24

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[13] A1
[51] **Int.Cl. G16H 20/70 (2018.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR GENERATING AND ADMINISTERING DIGITAL THERAPEUTIC PLACEBOS AND SHAMS**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR GENERER ET ADMINISTRER DES PLACEBOS ET FAUX TRAITEMENTS DE THERAPIE NUMERIQUE**
[72] BROWN, MICHAEL, US
[72] CAMPELLONE, TIMOTHY, US
[71] PEAR THERAPEUTICS, INC., US
[85] 2022-11-22
[86] 2021-07-02 (PCT/US2021/040250)
[87] (WO2022/006496)
[30] US (63/047,372) 2020-07-02

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[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **INDUCED REGULATORY T CELLS, METHODS OF PRODUCTION, AND USES THEREOF**
[54] **LYMPHOCYTES T REGULATEURS INDUITS, PROCEDES DE PRODUCTION ET UTILISATIONS DE CEUX-CI**
[72] KIM, YONG CHAN, US
[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[85] 2022-11-22
[86] 2021-06-01 (PCT/US2021/035226)
[87] (WO2021/247555)
[30] US (63/033,080) 2020-06-01

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[51] **Int.Cl. A42B 1/0182 (2021.01) A62B 18/08 (2006.01)**
[25] EN
[54] **A PERSONAL PROTECTIVE EQUIPMENT**
[54] **EQUIPEMENT DE PROTECTION PERSONNELLE**
[72] POISSANT, DANIEL, CA
[72] POISSANT, SAMUEL, CA
[71] POISSANT, DANIEL, CA
[71] POISSANT, SAMUEL, CA
[85] 2022-11-22
[86] 2021-04-13 (PCT/CA2021/050493)
[87] (WO2021/243440)
[30] US (63/034,149) 2020-06-03

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[13] A1
[51] **Int.Cl. C12P 7/04 (2006.01) A61K 8/60 (2006.01) C07H 15/04 (2006.01) C12P 19/04 (2006.01) C12P 19/12 (2006.01)**
[25] EN
[54] **SURFACTANT PREPARATION PROCESS**
[54] **PROCEDE DE PREPARATION DE TENSIOACTIFS**
[72] ULVENLUND, STEFAN, SE
[72] ANDERSSON, MARIA, SE
[72] COLS, MARIA VILORIA, SE
[72] BARCHAN, NIKOLINA, SE
[72] WELLS, CHRISTIAN, GB
[72] SANDER, JOHAN, SE
[72] AXENSTRAND, MAGDALENA, SE
[71] ENZA BIOTECH AB, SE
[71] CRODA INTERNATIONAL PLC, GB
[85] 2022-11-22
[86] 2021-06-18 (PCT/EP2021/066619)
[87] (WO2021/255243)
[30] GB (2009388.6) 2020-06-19

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[13] A1
[51] **Int.Cl. C07C 37/72 (2006.01) C07C 51/48 (2006.01) C07C 59/08 (2006.01) C07C 59/76 (2006.01) C07D 307/44 (2006.01) C07D 307/50 (2006.01)**
[25] EN
[54] **CATALYTIC AND CONTINUOUS THERMOCHEMICAL PROCESS OF PRODUCTION OF VALUABLE DERIVATIVES FROM ORGANIC MATERIALS AND/OR WASTE**
[54] **PROCEDE THERMOCHIMIQUE ET CONTINU DE PRODUCTION DE DERIVES DE VALEUR A PARTIR DE MATIERES ET/OU DE DECHETS ORGANIQUES**
[72] JESUS DE SEQUEIRA SERRA NUNES, ANGELA MARIA, PT
[72] MOURA BORDADO, JOAO CARLOS, PT
[72] CASTELO DE ASSIS TEIXEIRA NEIVA CORREIA, MARIA JOANA, PT
[72] PIRES DOS SANTOS MATEUS, MARIA MARGARIDA, PT
[72] ROCHA OLIVEIRA, FLAVIO MIGUEL, PT
[72] GALHANO DOS SANTOS LOPES, RUI MIGUEL, PT
[71] CIPO, CA
[71] SECIL-COMPANHIA GERAL DE CAL E CIMENTO, S.A., PT
[71] INSTITUTO SUPERIOR TECNICO, PT
[85] 2022-11-22
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[51] **Int.Cl. B01D 53/84 (2006.01)**
[25] EN
[54] **TRICKLE BED REACTOR**
[54] **REACTEUR A LIT RUISSELANT**
[72] HUNT, SEAN, US
[72] LOFTIS, KEVIN, US
[72] NGUYEN, PETER, US
[72] PATEL, PARTH, US
[71] SOLUGEN, INC., US
[85] 2022-11-22
[86] 2021-06-01 (PCT/US2021/035235)
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[30] US (63/032,780) 2020-06-01

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[51] **Int.Cl. A61K 35/747 (2015.01) A61P 15/08 (2006.01)**
[25] EN
[54] **PROBIOTIC FOR THE TREATMENT OF INFERTILITY AND RECURRENT PREGNANCY LOSS**
[54] **PROBIOTIQUE POUR LE TRAITEMENT DE L'INFERTILITE ET DE LA PERTE DE GROSSESSE RECURRENTE**
[72] FERNANDEZ ALVAREZ, LEONIDES, ES
[72] CASTRO NAVARRO, IRMA, ES
[72] ARROYO RODRIGUEZ, REBECA, ES
[72] ALBA RUBIO, CLAUDIO, ES
[72] RODRIGUEZ GOMEZ, JUAN MIGUEL, ES
[71] BIOSEARCH, S.A., ES
[85] 2022-11-22
[86] 2020-06-10 (PCT/ES2020/070382)
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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **ACE2-FC FUSION PROTEINS AND METHODS OF USE**
[54] **PROTEINES DE FUSION ACE2-FC ET METHODES D'UTILISATION**
[72] BLOCK, DAVID S., US
[72] OLSEN, HENRIK, US
[71] GLIKNIK INC., US
[85] 2022-11-22
[86] 2021-06-25 (PCT/US2021/039131)
[87] (WO2021/263128)
[30] US (63/044,281) 2020-06-25
[30] US (63/054,127) 2020-07-20
[30] US (63/068,534) 2020-08-21
[30] US (63/153,592) 2021-02-25
[30] US (63/175,851) 2021-04-16
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[51] **Int.Cl. A61B 5/145 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR ANALYTE MONITORING AND BENEFITS THEREOF**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE SURVEILLANCE D'ANALYTES ET AVANTAGES ASSOCIES**
[72] NABUTOVSKY, YELENA, US
[72] KERR, MATTHEW S.D., US
[72] ROBERTS, GREGORY J., US
[72] JOSEPH, JENNIFER M., US
[71] ABBOTT DIABETES CARE INC., US
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[72] LASTOVICH, ALEXANDER G., US
[72] XU, QIHUA, US
[72] ABBOTT, RICHARD, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **PROCEDE DE PREPARATION DE CHLORHYDRATE DE REMIFENTANIL**
[72] ANDREWS, SUSAN, GB
[72] ARCHER, NICOLAS, GB
[71] MACFARLAN SMITH LIMITED, GB
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[54] **PANNEAUX DE CONSTRUCTION AYANT UN MECANISME DE DRAINAGE INTEGRE, ET ENSEMBLES ET PROCEDES ASSOCIES**
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[72] CHAMBERLIN, JOHN, US
[71] GEORGIA-PACIFIC GYPSUM LLC, US
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[54] **EXPLOSIVE CHARGE DEACTIVATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DESACTIVATION DE CHARGE EXPLOSIVE**
[72] DALY, KERRY G., US
[71] EXPRO AMERICAS, LLC, US
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[54] **INSERTIONS DE PUBLICITE COTE SERVEUR (SSAI) AU MOYEN DE METADONNEES SUPPLEMENTAIRES ET D'UNE FONCTIONNALITE CLIENT**
[72] MINGOLLA, JACOB JOHN, US
[72] BARSTOW, CRAIG RODMAN, US
[72] RUGGLES, THOMAS HERBERT III., US
[72] RIVERA, JON-CARLOS, US
[72] SEIN, TRAVIS ALBERT, US
[71] BRIGHTCOVE INC., US
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[54] **DIRECT DRIVE PNEUMATIC TRANSMISSION FOR A MOBILE ROBOT**
[54] **TRANSMISSION PNEUMATIQUE A ENTRAINEMENT DIRECT POUR UN ROBOT MOBILE**
[72] SWIFT, TIMOTHY ALAN, US
[72] LE ROUX, PHILIP, US
[72] DZIOBA, RANDY, US
[72] SAMIA, ELIAS R., US
[72] PARK, LINUS, US
[72] KEMPER, KEVIN CONRAD, US
[71] ROAM ROBOTICS INC., US
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[54] **METHODS FOR IMPROVED USER MOBILITY AND TREATMENT**
[54] **METHODES POUR AMELIORER LA MOBILITE D'UN UTILISATEUR ET UN TRAITEMENT**
[72] SWARTZ, ASHLEY, US
[72] STUART, ROBERT, US
[72] KEMPER, KEVIN CONRAD, US
[72] LONG, PHIL, US
[72] HURLEY, GARRETT, US
[72] SMITH, COLLIN, US
[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] PIERCY, BRENTON, US
[72] SWIFT, TIMOTHY ALAN, US
[72] PARK, LINUS, US
[72] LI, KRIS, US
[72] LAM, RONALD, US
[72] KAVENY, KYLE, US
[72] SAMIA, ELIAS R., US
[71] ROAM ROBOTICS INC., US
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[54] **SYSTEME ET PROCEDE DE COMMANDE POUR UN ROBOT MOBILE**
[72] STUART, ROBERT, US
[72] KEMPER, KEVIN CONRAD, US
[72] SWIFT, TIMOTHY ALAN, US
[72] SWARTZ, ASHLEY, US
[72] LONG, PHIL, US
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[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] PARK, LINUS, US
[72] LI, KRIS, US
[72] LAM, RONALD, US
[72] KAVENY, KYLE, US
[72] SMITH, COLLIN, US
[72] PIERCY, BRENTON, US
[72] SAMIA, ELIAS R., US
[71] ROAM ROBOTICS INC., US
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[86] 2021-05-27 (PCT/US2021/034447)
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[54] **BATTERY SYSTEMS AND METHODS FOR A MOBILE ROBOT**
[54] **SYSTEMES DE BATTERIE ET PROCEDES POUR UN ROBOT MOBILE**
[72] CAMPBELL, AUSTIN, US
[72] SWARTZ, ASHLEY, US
[72] OCHOA, JOSE, US
[72] KEMPER, KEVIN CONRAD, US
[72] SWIFT, TIMOTHY ALAN, US
[72] STUART, ROBERT, US
[72] LONG, PHIL, US
[72] HURLEY, GARRETT, US
[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] PARK, LINUS, US
[72] LI, KRIS, US
[72] LAM, RONALD, US
[72] KAVENY, KYLE, US
[72] SMITH, COLLIN, US
[72] PIERCY, BRENTON, US
[72] SAMIA, ELIAS R., US
[71] ROAM ROBOTICS INC., US
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[54] **METHODS FOR CHARACTERIZING CELL-FREE NUCLEIC ACID FRAGMENTS**
[54] **METHODES DE CARACTERISATION DE FRAGMENTS D'ACIDES NUCLEIQUES ACELLULAIRES**
[72] ABDUEVA, DIANA, US
[71] AQTUAL, INC., US
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[54] **USER INTERFACE AND FEEDBACK SYSTEMS AND METHODS FOR A MOBILE ROBOT**
[54] **INTERFACE UTILISATEUR AINSI QUE SYSTEMES ET PROCEDES DE RETROACTION POUR UN ROBOT MOBILE**
[72] KEMPER, KEVIN CONRAD, US
[72] KAVENY, KYLE, US
[72] STUART, ROBERT, US
[72] LI, KRIS, US
[72] PARK, LINUS, US
[72] SWARTZ, ASHLEY, US
[72] SWIFT, TIMOTHY ALAN, US
[72] LONG, PHIL, US
[72] HURLEY, GARRETT, US
[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] LAM, RONALD, US
[72] SMITH, COLLIN, US
[72] PIERCY, BRENTON, US
[72] SAMIA, ELIAS R., US
[72] PECK, AARON, US
[72] MOTTER, KYLE, US
[71] ROAM ROBOTICS INC., US
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[54] **DATA LOGGING AND THIRD-PARTY ADMINISTRATION OF A MOBILE ROBOT**
[54] **CONSIGNATION DE DONNEES ET ADMINISTRATION TIERCE D'UN ROBOT MOBILE**
[72] STUART, ROBERT, US
[72] KEMPER, KEVIN CONRAD, US
[72] SWIFT, TIMOTHY ALAN, US
[72] SWARTZ, ASHLEY, US
[72] LONG, PHIL, US
[72] HURLEY, GARRETT, US
[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] PARK, LINUS, US
[72] LI, KRIS, US
[72] LAM, RONALD, US
[72] KAVENY, KYLE, US
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[72] SAMIA, ELIAS R., US
[71] ROAM ROBOTICS INC., US
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[51] **Int.Cl. A61H 3/00 (2006.01) B25J 9/00 (2006.01)**
[25] EN
[54] **FIT AND SUSPENSION SYSTEMS AND METHODS FOR A MOBILE ROBOT**
[54] **SYSTEMES ET METHODES D'AJUSTEMENT ET DE SUSPENSION POUR UN ROBOT MOBILE**
[72] LAMB, CALLUM, US
[72] HURLEY, GARRETT, US
[72] SWARTZ, ASHLEY, US
[72] LONG, PHIL, US
[72] LAM, RONALD, US
[72] HA, MONICA, US
[72] SMITH, COLLIN, US
[72] PARK, LINUS, US
[72] KEMPER, KEVIN CONRAD, US
[72] SWIFT, TIMOTHY ALAN, US
[72] STUART, ROBERT, US
[72] WONG, GREG, US
[72] DHONGADE, NIKHIL, US
[72] LI, KRIS, US
[72] KAVENY, KYLE, US
[72] PIERCY, BRENTON, US
[72] SAMIA, ELIAS R., US
[71] CIPO, CA
[71] ROAM ROBOTICS INC., US
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[54] **MOTEUR D'ENTRAINEMENT DE DEVIDOIR AGRICOLE A CHARGE HYDROELECTRIQUE, SYSTEME D'IRRIGATION AGRICOLE MOBILE LE COMPRENANT, ET MOTEUR D'ENTRAINEMENT DE DEVIDOIR AGRICOLE A CHARGE HYDROELECTRIQU**
[72] MOHR, DANA CLIFFORD, US
[72] MOHR, SHARON ELIZABETH, US
[71] HYDROSIDE SYSTEMS LLC, US
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[25] EN
[54] **MODULAR EXOSKELETON SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE FONCTIONNEMENT D'UN EXOSQUELETTE MODULAIRE**
[72] STUART, ROBERT, US
[72] PARK, LINUS, US
[72] SWARTZ, ASHLEY, US
[72] KEMPER, KEVIN CONRAD, US
[72] SWIFT, TIMOTHY ALAN, US
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[72] WONG, GREG, US
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[72] LAM, RONALD, US
[72] KAVENY, KYLE, US
[72] SMITH, COLLIN, US
[72] PIERCY, BRENTON, US
[72] SAMIA, ELIAS R., US
[72] NUCCI, GIANCARLO, US
[72] LAMSON, KYLE, US
[71] ROAM ROBOTICS INC., US
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[51] **Int.Cl. A61L 9/20 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **UV STERILIZATION APPARATUS, SYSTEM, AND METHOD FOR AIRCRAFT AIR SYSTEMS**
[54] **APPAREIL, SYSTEME ET PROCEDE DE STERILISATION PAR UV ET PROCEDE POUR SYSTEMES D'AIR D'AERONEF**
[72] KROSNEY, MARK D., US
[71] AEROCLEAN TECHNOLOGIES, LLC, US
[85] 2022-11-22
[86] 2021-05-21 (PCT/US2021/033752)
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[30] US (16/882,055) 2020-05-22

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[51] **Int.Cl. G09B 9/00 (2006.01) G09B 25/04 (2006.01)**
[25] EN
[54] **FACILITY FOR USE IN PROVIDING SIMULATED ENVIRONMENT**
[54] **INSTALLATION DESTINEE A ETRE UTILISEE POUR FOURNIR UN ENVIRONNEMENT SIMULE**
[72] TAYLOR, ROBERT, GB
[72] MCCULLIN, CLAUDE, GB
[71] 4GD LIMITED, GB
[85] 2022-11-22
[86] 2021-06-07 (PCT/GB2021/051409)
[87] (WO2021/250387)
[30] GB (2008971.0) 2020-06-12

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[51] **Int.Cl. A61K 38/18 (2006.01) A61P 25/00 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **FIBROBLAST GROWTH FACTOR 21 (FGF21) GENE THERAPY FOR CENTRAL NERVOUS SYSTEM DISORDERS**
[54] **THERAPIE GENIQUE DU FACTEUR DE CROISSANCE DES FIBROBLASTES 21 (FGF21) POUR DES TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] BOSCH TUBERT, MARIA FATIMA, ES
[72] JIMENEZ CENZANO, VERONICA, ES
[72] ELIAS PUIGDOMENECH, IVET, ES
[72] GRASS COSTA, IGNASI, ES
[72] JAMBRINA PALLARES, CLAUDIA, ES
[72] FRAILE, VICTOR SACRISTAN, ES
[71] UNIVERSITAT AUTONOMA DE BARCELONA, ES
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[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61P 27/02 (2006.01)**
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[54] **RNAI AGENT TARGETING MYD88 AND USE THEREOF**
[54] **AGENT ARNI CIBLANT LE MYD88 ET SON UTILISATION**
[72] HONG, SUN WOO, KR
[72] PARK, JUNE HYUN, KR
[71] OLIX PHARMACEUTICALS, INC., KR
[85] 2022-11-23
[86] 2020-08-13 (PCT/KR2020/010787)
[87] (WO2021/241803)
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[51] **Int.Cl. A24F 40/05 (2020.01) A24F 40/48 (2020.01) A24F 42/20 (2020.01) A24F 40/10 (2020.01)**
[25] FR
[54] **DEVICE FOR INHALING A SUBSTANCE**
[54] **APPAREIL POUR INHALER UNE SUBSTANCE**
[72] HARFOUCHE, JOSEPH, BE
[71] JOOZEF, BE
[85] 2022-11-23
[86] 2021-05-27 (PCT/EP2021/064176)
[87] (WO2021/239868)
[30] EP (20176900.7) 2020-05-27
[30] BE (2021/5077) 2021-02-03

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[51] **Int.Cl. C22B 3/32 (2006.01)**
[25] EN
[54] **APPLICATIONS OF CARBOXYLIC COMPOUND SERVING AS EXTRACTING AGENT AND METAL ION EXTRACTION METHOD**
[54] **APPLICATIONS D'UN COMPOSE CARBOXYLIQUE SERVANT D'AGENT D'EXTRACTION ET PROCEDE D'EXTRACTION D'IONS METALLIQUES**
[72] WANG, XUE, CN
[71] BOTREE CYCLING SCI & TECH CO., LTD., CN
[85] 2022-11-23
[86] 2021-05-19 (PCT/CN2021/094590)
[87] (WO2021/238738)
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[51] **Int.Cl. A61K 38/48 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **ADAMTS13 PROTEIN VARIANTS AND USES THEREOF**
[54] **VARIANTS DE LA PROTEINE ADAMTS13 ET LEURS UTILISATIONS**
[72] VOORBERG, JOHANNES JACOBUS, NL
[72] GOMES GRACA, NUNO ALEXANDRE, NL
[72] ERCIG, BOGAC, NL
[71] SANQUIN IP B.V., NL
[85] 2022-11-23
[86] 2021-05-25 (PCT/NL2021/050325)
[87] (WO2021/242092)
[30] EP (20176333.1) 2020-05-25

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[51] **Int.Cl. A23K 20/174 (2016.01) A23L 33/105 (2016.01) A23L 33/155 (2016.01) A61P 39/06 (2006.01)**
[25] FR
[54] **VITAMIN A FORMULATION**
[54] **FORMULATION DE VITAMINE A**
[72] ALEMAN, CLAUDE, FR
[72] HUET, ROBERT, FR
[71] ADISSEO FRANCE S.A.S., FR
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[86] 2021-06-04 (PCT/FR2021/051011)
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[30] FR (20/05883) 2020-06-05

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[51] **Int.Cl. G05B 23/02 (2006.01)**
[25] EN
[54] **ABNORMALITY SYMPTOM ANALYZING DEVICE**
[54]
[72] SANAI, KOTARO, JP
[72] YONEDA, EMI, JP
[72] NAKAGAWA, MASAYO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2022-11-23
[86] 2020-06-05 (PCT/JP2020/022251)
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[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/16 (2006.01)**
[25] EN
[54] **UNDERGROUND WASTE COLLECTION SYSTEM**
[54] **SYSTEME DE COLLECTE DE DECHETS SOUTERRAIN**
[72] CASTRO SOARES JUNQUEIRA, FERNANDO MANUEL, PT
[71] SOTKON SP SLU, ES
[85] 2022-11-23
[86] 2020-06-09 (PCT/IB2020/055415)
[87] (WO2021/250442)

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[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01) H04W 24/02 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TO STREAMLINE A FUNCTION**
[54] **SYSTEME ET PROCEDE D'UTILISATION DE L'INTELLIGENCE ARTIFICIELLE ET DE L'APPRENTISSAGE AUTOMATIQUE POUR RATIONALISER UNE FONCTION**
[72] GOODRICH, JANE, US
[71] PICSELLO, INC., US
[85] 2022-11-23
[86] 2021-05-25 (PCT/US2021/034044)
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[30] US (63/030,049) 2020-05-26

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[51] **Int.Cl. D21F 7/04 (2006.01)**
[25] EN
[54] **ADAPTIVE-LEARNING, AUTO-LABELING METHOD AND SYSTEM FOR PREDICTING AND DIAGNOSING WEB BREAKS IN PAPER MACHINE**
[54] **PROCEDE ET SYSTEME D'APPRENTISSAGE ADAPTATIF ET D'AUTO-ETIQUETAGE POUR PREDIRE ET DIAGNOSTIQUER DES RUPTURES DE BANDE DANS UNE MACHINE A PAPIER**
[72] RAMU, VADTHYAVATH, IN
[72] PATIL, DINESH, IN
[72] KUBAL, NANDKISHOR, IN
[71] ABB SCHWEIZ AG, CH
[85] 2022-11-23
[86] 2021-04-16 (PCT/IB2021/053173)
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[30] IN (202041021959) 2020-05-26

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[51] **Int.Cl. A47J 42/40 (2006.01) A47J 31/52 (2006.01) A47J 42/50 (2006.01) A47J 42/52 (2006.01)**
[25] EN
[54] **ROASTING AND GRINDING APPARATUS FOR COFFEE BEANS**
[54] **APPAREIL DE TORREFACTION ET DE BROYAGE DE GRAINS DE CAFE**
[72] AIT BOUZIAD, YOUCEF, CH
[72] YOAKIM, ALFRED, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **EXIT PUPIL EXPANDER**
[54] **DILATATEUR DE PUPILLE DE SORTIE**
[72] LAJUNEN, HANNA, FI
[72] SAASTAMOINEN, TONI, FI
[71] DISPELIX OY, FI
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[87] (WO2021/240060)
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[54] **LENS WITH ASYMMETRIC PROJECTION TO TREAT ASTIGMATISM**
[54] **LENTILLE A PROJECTION ASYMETRIQUE POUR TRAITER L'ASTIGMATISME**
[72] BUSCEMI, PHILIP M., US
[72] KUBOTA, RYO, US
[71] ACUCELA INC., US
[85] 2022-11-23
[86] 2021-06-07 (PCT/US2021/036097)
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[51] **Int.Cl. A61K 8/39 (2006.01) A61K 8/44 (2006.01) A61K 8/86 (2006.01)**
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[54] **NATURALLY DERIVED SURFACTANT SYSTEM WITH POLYGLYCEROL ESTERS AND COMPOSITIONS COMPRISING THE SAME**
[54] **SYSTEME TENSIOACTIF D'ORIGINE NATURELLE AVEC DES ESTERS DE POLYGLYCEROL ET COMPOSITIONS LE COMPRENANT**
[72] KWAN, THOMAS ALAN, US
[72] KWON, JENNIFER HYEEUN, US
[72] MOADDEL, TEANOOSH, US
[72] YUAN, MINGJUN, US
[72] WATERS, DAVID, US
[71] UNILEVER GLOBAL IP LIMITED, GB
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[54] **WESP WITH IMPACTION CLEANING, AND METHOD OF CLEANING A WESP**
[54] **PEH A NETTOYAGE PAR IMPACTION, ET METHODE DE NETTOYAGE D'UNE CUVE**
[72] RUDOLPH, JEFFREY, US
[72] HAASL, ANDREW, US
[72] CASH, JAMES, US
[71] DURR SYSTEMS, INC., US
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[86] 2021-02-05 (PCT/US2021/016729)
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[54] **COMPOSITIONS OF CANNABINOIDS AND METHODS OF USING SAME**
[54] **COMPOSITIONS DE CANNABINOIDES ET LEURS METHODES D'UTILISATION**
[72] SAGIV, SARI PRUTCHI, IL
[71] ASANA BIO GROUP LTD., IL
[85] 2022-11-23
[86] 2021-05-24 (PCT/IL2021/050605)
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[25] EN
[54] **ANTI-VIRAL THERAPY**
[54] **TRAITEMENT ANTI-VIRAL**
[72] O'NEIL, DEBORAH, GB
[72] FRASER-PITT, DOUGLAS, GB
[71] NOVABIOTICS LIMITED, GB
[85] 2022-11-23
[86] 2021-05-25 (PCT/GB2021/051269)
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[30] GB (2007768.1) 2020-05-25
[30] GB (2012298.2) 2020-08-07
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[25] EN
[54] **REAGENTS AND METHODS FOR ANTIBODY SEQUENCING**
[54] **REACTIFS ET PROCEDES DE SEQUENCAGE D'ANTICORPS**
[72] LE BIHAN, THIERRY, CA
[72] MA, BIN, CA
[72] TAYLOR, PAUL, CA
[72] YAO, CHENYU, CA
[72] LIU, QIXIN, CA
[72] REITZEL, CHELSEA, CA
[72] GOROSPE, KAYLE KATHLEEN MARIE, CA
[72] LIYASOVA, MARIYA, CA
[71] RAPID NOVOR INC., CA
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[86] 2021-06-10 (PCT/CA2021/050791)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/05 (2021.01) A61B 5/145 (2006.01)**
[25] EN
[54] **AN ANTENNA ARRAY OR A GROUP OF ANTENNA ELEMENTS FOR BIOMARKER MONITORING, NERVE STIMULATIONS & METHODS OF USE**
[54] **RESEAU D'ANTENNES OU GROUPE D'ELEMENTS D'ANTENNE POUR SURVEILLANCE DE BIOMARQUEURS, STIMULATIONS NERVEUSES ET PROCEDES D'UTILISATION**
[72] COSTANTINE, JOSEPH, US
[72] KANJ, ROUWAIDA, US
[72] TAWK, YOUSSEF, US
[72] EID, ASSAAD, FR
[72] HANNA, JESSICA, LB
[72] RAMADAN, ALI H., LB
[71] AMERICAN UNIVERSITY OF BEIRUT, US
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[51] **Int.Cl. E04B 1/343 (2006.01) E04B 1/00 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **A METHOD OF CONSTRUCTING A BUILDING**
[54] **PROCEDE DE CONSTRUCTION DE BATIMENT**
[72] AITKEN, KIM ELIZABETH, CA
[72] BURKE, MAURICE, IE
[71] AITKEN INNOVATIONS INCORPORATED, CA
[85] 2022-11-23
[86] 2021-06-23 (PCT/CA2021/050861)
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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/18 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS USEFUL FOR THE PREVENTION AND/OR TREATMENT OF DISEASE IN MAMMALS**
[54] **COMPOSITIONS ET PROCEDES UTILES POUR LA PREVENTION ET/OU LE TRAITEMENT DE MALADIE CHEZ DES MAMMIFERES**
[72] SMIT, MICHELLE OLGA PATRICIA GIESTEIRA DA SILVA, ZA
[71] VIRO-GEN (PTY) LTD, ZA
[85] 2022-11-23
[86] 2021-07-09 (PCT/IB2021/056179)
[87] (WO2022/009165)
[30] ZA (2020/03850) 2020-07-09
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[54] **MULTI-ROW DEPLOY ZONE CONSTRAINING DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE CONTRAINTE DE ZONE DE POSE A RANGEES MULTIPLES**
[72] STASTKA, JERRY J., US
[71] W.L. GORE & ASSOCIATES, INC., US
[85] 2022-11-23
[86] 2021-06-15 (PCT/US2021/037311)
[87] (WO2021/257495)
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[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **ESSENTIAL ACCESSORY RECOMMENDATIONS**
[54] **RECOMMANDATIONS D'ACCESSOIRES ESSENTIELS**
[72] HUGHES, SIMON, US
[71] HOME DEPOT INTERNATIONAL, INC., US
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[86] 2021-06-01 (PCT/US2021/035299)
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[30] US (63/032,908) 2020-06-01

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[51] **Int.Cl. F24F 8/22 (2021.01) F24F 11/30 (2018.01) F24F 11/63 (2018.01) A61L 9/20 (2006.01)**
[25] EN
[54] **REDUCING MICROBIAL GROWTH ON PACKAGED TERMINAL AIR CONDITIONERS**
[54] **REDUCTION DE CROISSANCE MICROBIENNE SUR CLIMATISEURS TERMINAUX MONOBLOC**
[72] VOSS, PETER ANDREW, US
[72] CHRISTIAN, PAUL DOMINIC, US
[72] PODTBURG, TERESA C., US
[72] KRAUS, PAUL R., US
[71] ECOLAB USA INC., US
[85] 2022-11-23
[86] 2021-05-20 (PCT/US2021/033313)
[87] (WO2021/242594)
[30] US (63/031,912) 2020-05-29

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[13] A1
[25] EN
[54] **MACHINE LEARNING-BASED ITEM FEATURE RANKING**
[54] **CLASSEMENT DE CARACTERISTIQUES D'ELEMENT A BASE D'APPRENTISSAGE AUTOMATIQUE**
[72] GUO, MINGMING, US
[72] YAN, NIAN, US
[72] CUI, XIQUAN, US
[72] HUGHES, SIMON, US
[72] AL JADDA, KHALIFEH, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2022-11-23
[86] 2021-06-21 (PCT/US2021/038282)
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[30] US (63/041,150) 2020-06-19

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[51] **Int.Cl. A61K 38/46 (2006.01) A01K 67/02 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING PERIPHERAL ARTERY DISEASE**
[54] **COMPOSITIONS ET METHODES POUR TRAITER UNE MALADIE ARTERIELLE PERIPHERIQUE**
[72] THOMPSON, DAVID, US
[72] RUTSCH, FRANK, DE
[72] NITSCHKE, YVONNE, DE
[71] INOZYME PHARMA, INC., US
[71] WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER, DE
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[30] US (63/030,840) 2020-05-27

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[13] A1
[51] **Int.Cl. G16B 40/20 (2019.01) G16B 20/40 (2019.01)**
[25] EN
[54] **MACHINE LEARNING PLATFORM FOR GENERATING RISK MODELS**
[54] **PLATE-FORME D'APPRENTISSAGE AUTOMATIQUE POUR GENERATION DE MODELES DE RISQUE**
[72] POLCARI, MICHAEL, US
[72] ZHAN, JIANAN, US
[72] GANESAN, MANOJ, US
[72] MARSHALL, AUSTIN WILLIAM, US
[72] ASHENHURST, JAMES ROWAN, US
[72] KONDO, DERRICK POO-RAY, US
[72] AMIRI, SHIVA, US
[72] SINHA, SUBARNAREKHA, US
[72] SURESH, SANJEEV, US
[72] MACPHERSON, JOHN MICHAEL, US
[72] KOELSCH, BERTRAM LORENZ, US
[72] BLAKKAN, CORDELL T., US
[72] HAMILTON, SHANNON M., US
[71] 23ANDME, INC., US
[85] 2022-11-23
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[87] (WO2021/243094)
[30] US (63/030,876) 2020-05-27

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[51] **Int.Cl. H04W 4/80 (2018.01) H04W 12/33 (2021.01)**
[25] EN
[54] **INTERACTIVE TOKEN SYSTEM**
[54] **SYSTEME DE JETON INTERACTIF**
[72] BRUNO, DANTE LAMAR, US
[72] MILLER, MATTHEW, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2022-11-23
[86] 2021-06-07 (PCT/US2021/036224)
[87] (WO2021/252380)
[30] US (63/036,762) 2020-06-09
[30] US (17/335,635) 2021-06-01

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/138 (2006.01)**
[25] EN
[54] **FORMS AND COMPOSITIONS OF A BETA ADRENERGIC AGONIST**
[54] **FORMES ET COMPOSITIONS D'UN AGONISTE BETA-ADRENERGIQUE**
[72] CHEN, WEI, US
[72] XUE, BING, US
[72] CARTER, DAVID SCOTT, US
[71] CURASEN THERAPEUTICS, INC., US
[85] 2022-11-23
[86] 2021-06-03 (PCT/US2021/035796)
[87] (WO2021/247934)
[30] US (63/034,900) 2020-06-04

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[51] **Int.Cl. B29C 51/04 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING A CONTAINER OF A GIVEN SHAPE FROM SHEET MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN RECIPIENT D'UNE FORME DONNEE A PARTIR D'UN MATERIAU EN FEUILLE**
[72] BONINO, CLAUDIO, LU
[72] BONINO, GIOVANNI, LU
[71] SOREMARTEC S.A., LU
[85] 2022-11-23
[86] 2021-05-11 (PCT/IB2021/054002)
[87] (WO2021/240280)
[30] IT (102020000012772) 2020-05-28

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[13] A1
[51] **Int.Cl. G05B 19/00 (2006.01) G05F 7/00 (2006.01) G06K 19/06 (2006.01) G06K 19/07 (2006.01) G06K 19/077 (2006.01)**
[25] EN
[54] **DETECTING TAMPERING IN ASSETS AND AUTHENTICATING AUTHORIZED USERS**
[54] **DETECTION D'UNE VIOLATION DANS DES BIENS ET AUTHENTIFICATION D'UTILISATEURS AUTORISES**
[72] VOLKERINK, HENDRIK J., US
[72] KHOCHEN, AJAY, US
[71] TRACKONOMY SYSTEMS, INC., US
[85] 2022-11-23
[86] 2021-05-25 (PCT/US2021/034112)
[87] (WO2021/242786)
[30] US (63/029,675) 2020-05-25
[30] US (63/085,992) 2020-09-30

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[13] A1
[51] **Int.Cl. B29B 9/16 (2006.01) B29B 13/02 (2006.01) B65G 27/32 (2006.01) B29B 9/06 (2006.01)**
[25] EN
[54] **HEAVY LOAD VORTEX INTERNAL APPARATUS FOR HANDLING PLASTIC GRANULAR MATERIAL, AND METHOD RELATED THERETO**
[54] **APPAREIL INTERNE A VORTEX DE CHARGE LOURDE POUR MANIPULER UN MATERIAU GRANULAIRE EN PLASTIQUE ET PROCEDE ASSOCIE**
[72] SCHULTHEIS, WINFRIED, DE
[71] VIBRA MASCHINENFABRIK SCHULTHEIS GMBH & CO., DE
[85] 2022-11-23
[86] 2020-06-28 (PCT/EP2020/068176)
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[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01) A61F 2/16 (2006.01) A61B 34/10 (2016.01)**
[25] EN
[54] **SELECTION OF INTRAOCULAR LENS BASED ON A PREDICTED SUBJECTIVE OUTCOME SCORE**
[54] **SELECTION DE LENTILLE INTRAOCULAIRE SUR LA BASE D'UN SCORE DE RESULTAT SUBJECTIF PREDIT**
[72] CAMPIN, JOHN ALFRED, US
[72] GILLEN, BRANT, US
[72] GRUNDIG, MARTIN, DE
[72] MOORE, ROBERT, CH
[72] PETTIT, GEORGE HUNTER, US
[72] ZIELKE, MARK ANDREW, US
[71] ALCON INC., CH
[85] 2022-11-23
[86] 2021-05-25 (PCT/IB2021/054551)
[87] (WO2021/240372)
[30] US (63/032,195) 2020-05-29

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01)**
[25] EN
[54] **WEARABLE VISUALIZATION DEVICE WITH A RETRACTABLE COVER**
[54] **DISPOSITIF DE VISUALISATION A PORTER SUR SOI COMPRENANT UN COUVERCLE RETRACTABLE**
[72] CHUNG, CHRISTOPHER WAI YIN, US
[72] GOODNER, DOUGLAS EVAN, US
[72] HARE, JUSTIN ALLEN, US
[72] RAIJ, ANDREW, US
[72] BOYLES, JEFFREY SCOTT, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2022-11-23
[86] 2021-06-08 (PCT/US2021/036465)
[87] (WO2021/252526)
[30] US (63/038,001) 2020-06-11
[30] US (17/340,279) 2021-06-07

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING SELF-MOVING DEVICE, AND DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMANDE DE DISPOSITIF AUTOMOTEUR, DISPOSITIF ET SUPPORT D'ENREGISTREMENT**
[72] MENG, JIA, CN
[71] DREAME INNOVATION TECHNOLOGY (SUZHOU) CO., LTD., CN
[85] 2022-11-23
[86] 2021-02-26 (PCT/CN2021/077993)
[87] (WO2021/244075)
[30] CN (202010498121.9) 2020-06-04

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[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/24 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **MICROBIAL DECONTAMINATION OF COMMON TOUCH ARTICLES**
[54] **DECONTAMINATION MICROBIENNE D'ARTICLES DE CONTACT PARTAGES**
[72] HATCH, STEVEN RANDALL, US
[72] CHRISTIAN, PAUL DOMINIC, US
[72] KRAUS, PAUL R., US
[71] ECOLAB USA INC., US
[85] 2022-11-23
[86] 2021-05-20 (PCT/US2021/033326)
[87] (WO2021/242595)
[30] US (63/031,931) 2020-05-29

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[13] A1
[51] **Int.Cl. G08B 13/196 (2006.01) G08B 3/10 (2006.01) G08B 5/36 (2006.01) G08B 5/38 (2006.01)**
[25] EN
[54] **ENSURING SECURITY ON THE FUELING FORECOURT**
[54] **GARANTIE DE SECURITE SUR UN PARVIS DE RAVITAILLEMENT EN CARBURANT**
[72] FIEGLEIN, HENRY, US
[72] SINGH, KALPIT, IN
[72] HAIRSTON, HOB, US
[72] CHINNASWAMY, ROHITH, US
[71] WAYNE FUELING SYSTEMS, LLC, US
[85] 2022-11-23
[86] 2021-05-28 (PCT/US2021/034763)
[87] (WO2021/243156)
[30] US (16/885,946) 2020-05-28

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[13] A1
[51] **Int.Cl. B66B 9/08 (2006.01)**
[25] EN
[54] **STAIRLIFT REMOTE CONTROL UNIT**
[54] **UNITE TELECOMMANDE DE MONTE-ESCALIER**
[72] KASBERGEN, PAUL, NL
[72] BOXUM, CORNELIS, NL
[72] HEIJNS, WIM, NL
[71] TK HOME SOLUTIONS B.V., NL
[85] 2022-11-23
[86] 2021-04-06 (PCT/EP2021/058875)
[87] (WO2021/239306)
[30] EP (20177313.2) 2020-05-29

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[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **ARTIFICIAL EXPRESSION CONSTRUCTS FOR SELECTIVELY MODULATING GENE EXPRESSION IN INHIBITORY NEOCORTICAL NEURONS**
[54] **CONSTRUCTIONS D'EXPRESSION ARTIFICIELLES POUR MODULER SELECTIVEMENT L'EXPRESSION GENIQUE DANS DES NEURONES NEOCORTICAUX INHIBITEURS**
[72] DAIGLE, TANYA, US
[72] GRAYBUCK, LUCAS T., US
[72] LEIN, EDWARD SEBASTIAN, US
[72] LEVI, BOAZ P., US
[72] MICH, JOHN K., US
[72] SEDENO CORTES, ADRIANA ESTELA, US
[72] TASIC, BOSILJKA, US
[72] TING, JONATHAN, US
[72] WALKER, MIRANDA, US
[72] ZENG, HONGKUI, US
[71] ALLEN INSTITUTE, US
[85] 2022-11-23
[86] 2021-06-04 (PCT/US2021/036028)
[87] (WO2021/248085)
[30] US (63/034,794) 2020-06-04

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **AEROSOLIZED MUCUS-TETHERING NANOBODIES TO PROTECT AGAINST VIRAL AND MICROBIAL CONTAMINATION IN CLOSED AND SEMI-ENCLOSED SPACES**
[54] **NANOCORPS SE FIXANT AU MUCUS EN AEROSOL POUR SE PROTEGER CONTRE UNE CONTAMINATION VIRALE ET MICROBIENNE DANS DES ESPACES FERMES ET SEMI-FERMES**
[72] CHAN, CHARLES K.F., US
[72] ZHAO, LIMING, US
[72] ZHANG, YUNXIAO, US
[72] WANG, YUTING, US
[72] LEE, ANDREW, US
[72] LONGAKER, MICHAEL T., US
[72] STEININGER, HOLLY, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-11-23
[86] 2021-05-27 (PCT/US2021/034492)
[87] (WO2021/243005)
[30] US (63/031,443) 2020-05-28

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[13] A1
[51] **Int.Cl. B05C 3/109 (2006.01) B08B 3/04 (2006.01) B08B 3/14 (2006.01)**
[25] EN
[54] **TREATMENT STATION, TREATMENT UNIT AND METHOD FOR TREATING WORKPIECES**
[54] **STATION DE TRAITEMENT, UNITE DE TRAITEMENT ET PROCEDE DE TRAITEMENT DE PIECES**
[72] JAGER, TOBIAS, DE
[72] LAUER, MICHAEL, DE
[72] DOWNAR, MAREK, DE
[72] HEINSOHN, KLAUS, DE
[72] SEYBOTH, OLIVER, DE
[71] DURR SYSTEMS AG, DE
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[54] **EXTRAIT CONTENANT DE L'OLEANDRINE ET SON PROCEDE DE PRODUCTION**
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[72] NEWMAN, ROBERT A., US
[72] ADDINGTON, OTIS C., US
[71] PHOENIX BIOTECHNOLOGY, INC., US
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[54] **REQUEST-BASED CONTENT SERVICES REPLICATION**
[54] **REPRODUCTION DE SERVICES DE CONTENU A BASE DE REQUETE**
[72] BENTLEY, JEFFREY MARK, US
[72] MCCARTHY, ROBERT BRIAN, US
[72] LUCHAK, RICHARD WAYNE, US
[71] VIEWPOINTE ARCHIVE SERVICES, LLC, US
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[54] **GUIDE DE DISPOSITIF DE PERFORATION A TRAJET PARALLELE ET PROCEDE ASSOCIE**
[72] CERMAK, CRAIG JOSEPH, US
[72] MARKSTEINER, RAINER, AT
[72] THURNER, MARCO, AT
[71] INNOVACELL AG, AT
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[54] **TREATMENT OF AUTISM SPECTRUM DISORDER WITH CANNABIDIOL**
[54] **TRAITEMENT D'UN TROUBLE DU SPECTRE AUTISTIQUE A L'AIDE DE CANNABIDIOL**
[72] SEBREE, TERRI, US
[72] GUTTERMAN, DONNA, US
[72] O'NEILL, CAROL, US
[72] PALUMBO, JOSEPH, US
[71] ZYNERBA PHARMACEUTICALS, INC., US
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[25] EN
[54] **METHOD AND COMPOSITIONS TO ACHIEVE LONG-TERM STABLE ELECTRICAL CONDUCTIVITY IN SILICONE MATERIAL WITH CARBON BLACK AS CONDUCTIVE FILLERS**
[54] **PROCEDE ET COMPOSITIONS POUR OBTENIR UNE CONDUCTIVITE ELECTRIQUE STABLE A LONG TERME DANS UN MATERIAU DE SILICONE AVEC DU NOIR DE CARBONE EN TANT QUE CHARGES CONDUCTRICES**
[72] MENG, YAN, US
[72] BURTON, AMANDA, US
[72] PRATCHAYANAN, DANAYA, US
[71] ELKEM SILICONES USA CORP., US
[85] 2022-11-23
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[54] **SYNCHRONISATION MULTI-RADIO DANS UN SYSTEME CONNECTE UNIQUE**
[72] HANLEY, JAMES PATRICK, US
[72] HETT, CHRISTOPHER SCOTT, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2022-11-23
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[25] EN
[54] **NETWORK-BASED FUNCTIONAL IMAGING OUTPUT FOR EVALUATING MULTIPLE SCLEROSIS**
[54] **SORTIE D'IMAGERIE FONCTIONNELLE BASEE SUR UN RESEAU POUR EVALUER LA SCLEROSE EN PLAQUES**
[72] CHIANG, FLORENCE YI YI LING, US
[72] FOX, PETER T., US
[72] ROMERO, REBECCA S., US
[72] PRICE, LARRY, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **IMAGING SYSTEM COMPRISING BEAM GUIDANCE ELEMENT HAVING HIGH SOLARIZATION RESISTANCE IN THE BLUE SPECTRAL RANGE**
[54]
[72] JEDAMZIK, RALF, DE
[72] CARRE, ANTOINE, DE
[72] LEUKEL, SEBASTIAN, DE
[72] HAGEMANN, VOLKER, DE
[72] PETZOLD, UWE, DE
[72] BARTELMESS, LOTHAR, DE
[72] NASS, PETER, DE
[71] SCHOTT AG, DE
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[51] **Int.Cl. C01B 3/00 (2006.01) C01B 3/22 (2006.01)**
[25] FR
[54] **PROCESS FOR IMPROVING THE QUALITY OF HYDROGEN-BEARING ORGANIC LIQUIDS**
[54] **PROCEDE D'AMELIORATION DE LA QUALITE DES LIQUIDES ORGANIQUES PORTEUR D'HYDROGENE**
[72] BLANC, JEROME, FR
[72] MONGUILLON, BERNARD, FR
[71] ARKEMA FRANCE, FR
[85] 2022-11-23
[86] 2021-07-08 (PCT/FR2021/051268)
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[13] A1
[51] **Int.Cl. H04W 88/08 (2009.01)**
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[54] **LOAD-AWARE VARIABLE PERIODIC RESOURCE ALLOCATION**
[54] **ATTRIBUTION DE RESSOURCE PERIODIQUE VARIABLE SENSIBLE A LA CHARGE**
[72] BIN SEDIQ, AKRAM, CA
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2022-11-23
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[51] **Int.Cl. E04H 15/06 (2006.01) E04H 15/30 (2006.01)**
[25] EN
[54] **AWNING FOR VEHICLE**
[54] **AUVENT POUR VEHICULE**
[72] PARK, SOON GYU, KR
[71] IKAMPER CO., LTD., KR
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[86] 2022-04-15 (PCT/KR2022/005486)
[87] (WO2022/231185)
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[13] A1
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[54] **SYSTEM, APPARATUS, AND METHOD FOR REMOVING PATHOGENS FROM A DENTAL OPERATORY**
[54] **SYSTEME, APPAREIL ET PROCEDE D'ELIMINATION D'AGENTS PATHOGENES D'UN CABINET DENTAIRE**
[72] HALE, ROBERT G., US
[71] HALE, ROBERT G., US
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[25] EN
[54] **A METHOD OF PRODUCING AN ORGANIC ACID IN A MIXTURE OF MOLASSES AND CALCIUM HYDROXIDE**
[54] **PROCEDE DE PRODUCTION D'UN ACIDE ORGANIQUE ET D'UN MELANGE DE MOLASSES ET D'HYDROXYDE DE CALCIUM**
[72] ELLILA, SIMO, FI
[72] ILMEN, MARJA, FI
[72] HYTONEN, EEMELI, FI
[71] FF-FUTURE OY, FI
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[54] **PRESERVING EMERGENCY CALL DURING FAILURE TO TRANSFER SUBSEQUENT TO REGISTRATION WITH THE TARGET NETWORK**
[54] **PRESERVATION D'UN APPEL D'URGENCE PENDANT UNE DEFAILLANCE D'UN TRANSFERT ULTERIEUR A UN ENREGISTREMENT AUPRES DU RESEAU CIBLE**
[72] BAKKER, JAN HENDRIK LUCAS, CA
[71] BLACKBERRY LIMITED, CA
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[86] 2021-07-28 (PCT/EP2021/071135)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING NON-INFLAMMATORY PAIN IN SUBJECTS WITH RHEUMATOID ARTHRITIS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'UNE DOULEUR NON-INFLAMMATOIRE CHEZ DES SUJETS ATTEINTS DE POLYARTHRITE RHUMATOIDE**
[72] FORD, KERRI, US
[72] VAN HOOGSTRATEN, HUBERT, US
[71] SANOFI BIOTECHNOLOGY, FR
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[30] US (63/032,035) 2020-05-29
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[51] **Int.Cl. A61K 35/74 (2015.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING DISEASES AND DISORDERS USING OSCILLOSPIRACEAE MICROBIAL EXTRACELLULAR VESICLES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES ET DE TROUBLES A L'AIDE DE VESICULES EXTRACELLULAIRES MICROBIENNES D'OSCILLOSPIRACEAE**
[72] BALLOK, ALICIA, US
[72] FRANCISCO-ANDERSON, LOISE, US
[72] SIZOVA, MARIA, US
[71] EVELO BIOSCIENCES, INC., US
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[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/19 (2006.01) A61K 8/92 (2006.01) A61Q 19/00 (2006.01) G09C 1/02 (2006.01)**
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[54] **PICKERING EMULSIONS**
[54] **EMULSIONS DE PICKERING**
[72] LEX, MARCEL, DE
[72] HILTY-VANCURA, FLORENTINE, CH
[72] DE MIGUEL, LAURA, CH
[72] MASSE, SYLVAIN, CH
[71] OMYA INTERNATIONAL AG, CH
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[54] **CONTAINER AND MANUFACTURE THEREOF**
[54] **RECIPIENT ET FABRICATION DE CELUI-CI**
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[72] BOCKING, CHRIS, GB
[71] BOCKATECH LTD, GB
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[87] (WO2022/017988)
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[25] EN
[54] **METHOD AND SYSTEM FOR NON-MICROBIAL PREDICTION OF ANTIMICROBIAL EFFICACY OF AN ANTIMICROBIAL ITEM**
[54] **METHODE ET SYSTEME DE PREDICTION NON MICROBIENNE D'EFFICACITE ANTIMICROBIENNE D'UN ARTICLE ANTIMICROBIEN**
[72] ANDERSON, WILLIAM ALEXANDER, CA
[72] TANVIR, SHAZIA, CA
[71] ANDERSON, WILLIAM ALEXANDER, CA
[71] TANVIR, SHAZIA, CA
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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 27/00 (2006.01) B29C 65/00 (2006.01)**
[25] EN
[54] **DRAINAGE MEMBER DESIGN & ULTRASONIC WELDING METHOD FOR ATTACHMENT OF CATHETER TUBE TO DRAINAGE MEMBER**
[54] **CONCEPTION D'ELEMENT DE DRAINAGE ET PROCEDE DE SOUDAGE PAR ULTRASONS POUR LA FIXATION D'UN TUBE DE CATHETER A UN ELEMENT DE DRAINAGE**
[72] O'DONNELL, PAUL M., US
[72] FAHEY, JOSEPH, US
[71] HOLLISTER INCORPORATED, US
[85] 2022-11-23
[86] 2021-05-04 (PCT/US2021/030688)
[87] (WO2021/242487)
[30] US (63/031,050) 2020-05-28

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[13] A1
[51] **Int.Cl. G01V 1/047 (2006.01) G01V 1/143 (2006.01) G01V 1/155 (2006.01)**
[25] EN
[54] **BASEPLATE FOR SEISMIC VIBRATOR**
[54] **PLAQUE DE BASE POUR VIBRATEUR SISMIQUE**
[72] CARADEC, GILLES, FR
[72] DEBORDE, GERMAIN, FR
[71] SERCEL, FR
[85] 2022-11-23
[86] 2021-05-26 (PCT/IB2021/000364)
[87] (WO2021/240243)
[30] US (16/885,415) 2020-05-28

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[51] **Int.Cl. C07C 39/21 (2006.01) C07C 37/14 (2006.01) C07C 45/61 (2006.01) C07C 47/565 (2006.01) C07C 201/12 (2006.01) C07C 205/22 (2006.01) C07C 253/30 (2006.01) C07C 255/53 (2006.01) C07C 315/04 (2006.01) C07C 317/22 (2006.01) C07D 209/08 (2006.01) C07D 307/80 (2006.01) C07D 311/30 (2006.01) C07D 311/32 (2006.01) C07D 311/64 (2006.01) C07D 311/82 (2006.01) C07D 339/06 (2006.01) C07D 407/04 (2006.01) C07D 493/04 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF ORTHO-ALLYLATED HYDROXY ARYL COMPOUNDS**
[54] **PROCEDES DE PREPARATION DE COMPOSES HYDROXY-ARYLE ORTHO-ALLYLES**
[72] MAGOLAN, JAKOB, CA
[72] JENTSCH, NICHOLAS, US
[72] ZHANG, XIONG, CN
[72] PIOTROWSKI, MATHEW, CA
[72] DARVEAU, PATRICK, CA
[72] FRAGIS, MEGHAN, CA
[72] JOHNSON, JARROD, CA
[72] RITCHIE, NICOLE, CA
[72] KAUL, ARNAV, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2022-11-23
[86] 2021-08-10 (PCT/CA2021/050733)
[87] (3180052)
[30] US (63/031,997) 2020-05-29

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 27/00 (2006.01) G01N 30/00 (2006.01) G01N 30/58 (2006.01) G01N 30/74 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **OPTICAL IMAGING OF SMART HYDROGEL STRUCTURES FOR SENSING APPLICATIONS**
[54] **IMAGERIE OPTIQUE DE STRUCTURES D'HYDROGEL INTELLIGENTES POUR DES APPLICATIONS DE DETECTION**
[72] REICHE, CHRISTOPHER F., US
[72] SOLZBACHER, FLORIAN, US
[72] LAURENTIUS, LARS B., US
[72] LEU, HSUAN-YU, US
[72] BOROOMAND, SAEED, US
[72] LEBER, MORITZ M., US
[72] KOERNER, JULIA, DE
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[71] LEBER, MORITZ M., US
[85] 2022-11-23
[86] 2021-06-02 (PCT/US2021/035512)
[87] (WO2021/247750)
[30] US (63/033,699) 2020-06-02

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[13] A1
[51] **Int.Cl. A01K 67/033 (2006.01)**
[25] FR
[54] **DEVICE FOR SORTING INSECTS FOR SORTING A MIXTURE COMPRISING NYMPHS**
[54] **DISPOSITIF DE TRI D'INSECTES POUR LE TRI D'UN MELANGE COMPORTANT DES NYMPHES**
[72] SARTON DU JONCHAY, THIBAULT, FR
[72] ESCALANTE, PEDRO, ES
[72] COMPARAT, SOLENE, FR
[72] ESCAROZ CETINA, ARTURO, NL
[72] CHATEAU, MATHIEU, FR
[71] YNSECT, FR
[85] 2022-11-23
[86] 2021-06-15 (PCT/FR2021/051070)
[87] (WO2021/255379)
[30] FR (2006379) 2020-06-18

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01)**
[25] EN
[54] **HIGH-PERFORMANCE MICRO-NEEDLE ARRAY**
[54] **RESEAU DE MICRO-AIGUILLES A HAUTE PERFORMANCE**
[72] QUAN, YING-SHU, JP
[72] LI, YING-ZHE, JP
[72] KAJIYAMA, KENJI, JP
[72] SAITO, MIO, JP
[72] YAMASHITA, HIROFUMI, JP
[72] KAMIYAMA, FUMIO, JP
[71] COSMED PHARMACEUTICAL CO., LTD., JP
[85] 2022-11-23
[86] 2021-05-24 (PCT/JP2021/019584)
[87] (WO2021/241486)
[30] JP (2020-090925) 2020-05-25

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 29/02 (2006.01)**
[25] EN
[54] **PYRAZOLO[1,5-A]PYRIMIDINE DERIVATIVES HAVING MULTIMODAL ACTIVITY AGAINST PAIN**
[54] **DERIVES DE PYRAZOLO[1,5-A]PYRIMIDINE AYANT UNE ACTIVITE MULTIMODALE CONTRE LA DOULEUR**
[72] FERNANDEZ-DONIS, ARIADNA, ES
[72] DIAZ-FERNANDEZ, JOSE-LUIS, ES
[72] ALMANSA-ROSALES, CARMEN, ES
[72] GARCIA-LOPEZ, MONICA, ES
[72] FERNANDEZ-COLLADO, JOAN-CARLES, ES
[72] GONZALEZ-GARCIA, JORDI, ES
[72] GARRIDO-MARTINEZ, MARIA, ES
[71] ESTEVE FARMACEUTICALS, S.A., ES
[85] 2022-11-23
[86] 2021-05-20 (PCT/EP2021/063411)
[87] (WO2021/239558)
[30] EP (20382447.9) 2020-05-27

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) C12N 5/078 (2010.01) C08H 7/00 (2011.01) A61K 47/50 (2017.01) A61K 47/69 (2017.01) A61K 39/00 (2006.01) A61K 47/10 (2017.01) C07K 14/47 (2006.01) C07K 16/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **LIVING CELLS ENGINEERED WITH POLYPHENOL-FUNCTIONALIZED BIOLOGICALLY ACTIVE NANOCOMPLEXES**
[54] **CELLULES VIVANTES MODIFIEES AVEC DES NANOCOMPLEXES BIOLOGIQUEMENT ACTIFS FONCTIONNALISES PAR DES POLYPHENOLS**
[72] ZHAO, ZONGMIN, US
[72] MITRAGOTRI, SAMIR, US
[72] GUO, JUNLING, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2022-11-23
[86] 2021-05-26 (PCT/US2021/034132)
[87] (WO2021/242794)
[30] US (63/031,614) 2020-05-29

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[13] A1
[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/60 (2006.01)**
[25] EN
[54] **DEVICE FOR METERING AN ADDITIVE INTO A FLUID**
[54] **DISPOSITIF POUR AJOUTER DE MANIERE DOSEE UN ADDITIF A UN FLUIDE**
[72] WIDMER, MARKUS, CH
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[54] **CONSTRUCTIONS VACCINALES CONTRE LE CORONAVIRUS ET PROCEDES DE FABRICATION ET D'UTILISATION CORRESPONDANTS**
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[72] DIAMOND, MICHAEL, US
[72] DMITRIEV, IGOR, US
[72] HASSAN, AHMED, US
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[54] **ARTICLE TEXTILE DOTE D'UNE ZONE DE PASSAGE**
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[72] EICHINGER, LINDSEY WOOD, US
[71] EPIZYME, INC., US
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[54] **PROCEDE DE PURIFICATION DE DECHETS PLASTIQUES PYROLYSES**
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[72] PIETTRE, KILIAN, AT
[72] MAKIC, AMMAR ABDULL, AT
[71] BOREALIS AG, AT
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[54] **SYSTEME DE DETECTION D'UN ETAT DE REMPLISSAGE D'UN FLACON D'UN DIFFUSEUR**
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[72] JOLY, FLAVIEN, FR
[71] CEVA SANTE ANIMALE, FR
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[54] **PEPTIDE INHIBITEUR DE LA PI3K GAMMA POUR LE TRAITEMENT DE MALADIES VASCULAIRES FIBROPROLIFERATIVES**
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[54] **PROCEDE ET DISPOSITIF D'AUTO-NEGOCIATION**
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[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **NOUVELLE THERAPIE POUR LE TRAITEMENT DE TUMEURS**
[72] QUATTRONE, ALESSANDRO, IT
[72] MANCINI, INES, IT
[72] SIGHEL, DENISE, IT
[72] MODELSKA, ANGELIKA, FR
[71] UNIVERSITA DEGLI STUDI DI TRENTO, IT
[71] FONDAZIONE GIOVANNI CELEGHIN - ONLUS, IT
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[54] **MODULATEURS DE IL-17A**
[72] MARTIN, BARRIE PHILLIP, GB
[72] WESTERMANN, JAN-CHRISTOPH, GB
[72] KERN, OLIVER THOMAS, GB
[72] HOLMES, ARTHUR JONATHAN, GB
[72] MORRISON, ANGUS, GB
[72] KICZUN, MICHAEL, GB
[72] AL MASRI, MOUNIR, GB
[72] SMITH, ALASDAIR, GB
[72] HUXLEY, ANTHONY, GB
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[54] **RESINE PHOTODURCISSABLE POUR IMPRESSION 3D A HAUTE RESOLUTION**
[72] POTKAY, JOSEPH, US
[72] FLECK, ELYSE, US
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[72] KERN, OLIVER THOMAS, GB
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[54] **AMORTISSEUR ET SYSTEME D'AMORTISSEUR POUR AMORTIR UN MOUVEMENT LATERAL RELATIF ENTRE UN CABLE TENDU ET UNE STRUCTURE DE SUPPORT**
[72] MUALLA, IMAD H., DK
[71] DAMPTECH A/S, DK
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[54] **CREPINE HYDRAULIQUE AYANT UN MODULE DE DISPOSITIF DE REGULATION DE DEBIT**
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[72] MCLEARY, GORDON, US
[72] GRANT, DAVID SYMON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[72] TILSON, ALEXANDER Q., US
[72] LOPEZ, FRANCISCO G., US
[72] KIRSCHBROWN, JUSTIN, US
[72] FAN, WEI LI, US
[72] EVANS, WILLIAM, US
[72] NGUYEN, VIET ANH, US
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[54] **PROCEDE ET SYSTEME D'ISOLEMENT D'ARN A PARTIR D'ECHANTILLONS AUTO-COLLECTES ET DE PETIT VOLUME**
[72] DARNELL, ROBERT B., US
[72] ORANGE, DANA, US
[71] THE ROCKEFELLER UNIVERSITY, US
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[54] **DETERMINING GENERIC ITEMS FOR ORDERS ON AN ONLINE CONCIERGE SYSTEM**
[54] **DETERMINATION D'ARTICLES GENERIQUES POUR DES COMMANDES SUR UN SYSTEME DE CONCIERGERIE EN LIGNE**
[72] TATE, TYLER RUSSELL, US
[72] SCOTT, JASON, US
[72] MURDOCK, LOGAN WILLIAM, US
[72] TENNETI, TEJASWI, US
[71] MAPLEBEAR, INC. (DBA INSTACART), US
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[54] **TREATMENT OF DISEASES CHARACTERIZED BY OVEREXPRESSION OF ERYTHROPOIETIN-PRODUCING HEPATOCELLULAR RECEPTOR A2 (EPHA2)**
[54] **TRAITEMENT DE MALADIES CARACTERISEES PAR LA SUREXPRESSION D'UN RECEPTEUR HEPATOCELLULAIRE A2 PRODUISANT DE L'ERYTHROPOIETINE (EPHA2)**
[72] BENNETT, GAVIN, GB
[72] BLAKEMORE, STEPHEN, GB
[72] CAMPBELL, CARLY, GB
[72] RIGBY, MICHAEL, GB
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[72] MORELAND, JACQUELINE CLAIRE, CA
[72] ANGLIN, CAROLYN RUTH, CA
[72] MARTIN, CHRISTOPHER RYAN, CA
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[54] **CAPILLARY-BASED PRESSURE THRESHOLD SENSOR FOR LIQUIDS AND METHODS AND APPARATUSES USING SAME**
[54] **CAPTEUR DE SEUIL DE PRESSION CAPILLAIRE, POUR LIQUIDES ET PROCEDES ET APPAREILS L'UTILISANT**
[72] BEGUIN, STEVE, IE
[72] ADAMS, JOHN, IE
[72] ABOUD, DANIELLE, IE
[72] CURTIN, MAURICE, IE
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[54] **COMPOSITIONS ET METHODES D'INHIBITION DE LA PROLIFERATION DE CELLULES MUSCULAIRES LISSES VASCULAIRES**
[72] RUTSCH, FRANK, DE
[72] THOMPSON, DAVID, US
[72] NITSCHKE, YVONNE, DE
[72] TERKELTAUB, ROBERT, US
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[54] **PROCEDE DE DISTRIBUTION DE CAFE MOULU**
[72] AIT, BOUZIAD YOUCEF, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR AUTHENTICATION AND AUTHORIZATION OF NETWORKED DATA TRANSACTIONS**
[54] **PROCEDE, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR D'AUTHENTIFICATION ET D'AUTORISATION DE TRANSACTIONS DE DONNEES EN RESEAU**
[72] DONEY, GEORGE, US
[72] YERMAKOV, IHOR, AE
[72] SHKAPO, ILYA, UA
[72] KORZHUK, OLEKSII, UA
[71] CIPO, CA
[71] SECURRENCY, INC., US
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[54] **DILUANT DE FORMULATION D'ANTICORPS**
[72] DUBEY, SACHIN, CH
[72] GASSIAT, BRICE, CH
[71] ICHNOS SCIENCES SA, CH
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[54] **METHOD, APPARATUS, AND COMPUTER-READABLE MEDIUM FOR SECURED DATA TRANSFER OVER A DECENTRLAIZED COMPUTER NETWORK**
[54] **PROCEDE, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR POUR LE TRANSFERT SECURISE DE DONNEES SUR UN RESEAU INFORMATIQUE DECENTRALISE**
[72] DONEY, GEORGE, US
[72] YERMAKOV, IHOR, AE
[71] SECURRENCY, INC., US
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[54] **SYSTEM AND METHODS FOR REMOTE ASSESSMENT OF A SAMPLE ASSAY FOR DISEASE DIAGNOSTICS**
[54] **SYSTEME ET METHODES D'EVALUATION A DISTANCE D'UN DOSAGE D'ECHANTILLON POUR UN DIAGNOSTIC DE MALADIE**
[72] YAGHOUBI, HOUMAN, US
[72] MARSH, CURTIS, US
[72] RONGEY, SCOTT, US
[72] SALEM, ZIAD, US
[72] STASSINOPOULOS, ADONIS, US
[71] QUIDEL CORPORATION, US
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[54] **FILTER ASSEMBLY, FILTER BAG AND METHOD OF REPLACING A FILTER BAG**
[54] **ENSEMBLE FILTRANT, SAC FILTRANT ET PROCEDE DE REMPLACEMENT D'UN SAC FILTRANT**
[72] PORI, SAMU, FI
[72] PORI, HEIKKI, FI
[72] LUSTIG, TOMMI, FI
[71] LEANFIL OY, FI
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[54] **LEFT VENTRICLE UNLOADING DEVICE**
[54] **DISPOSITIF DE DECHARGEMENT DE VENTRICULE GAUCHE**
[72] CABANE, VINCENT, FR
[72] CORNEN, ALAIN, FR
[71] SYSTOL DYNAMICS, FR
[85] 2022-11-24
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[54] **TRAY FOR RECEIVING A PLURALITY OF MEDICAL HOLLOW BODIES**
[54] **PLATEAU POUR RECEVOIR UNE PLURALITE DE CORPS CREUX MEDICAUX**
[72] STEFAN, RALPH, DE
[72] BEHRENDT, MARKUS, DE
[72] PUPKE, HOLGER, DE
[72] MOLLER, KAROLINE, DE
[71] VETTER PHARMA-FERTIGUNG GMBH & CO. KG, DE
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[30] DE (10 2020 207 588.3) 2020-06-18

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[54] **IMPROVED VIRUCIDAL FORMULATIONS**
[54] **FORMULATIONS VIRUCIDES AMELIOREES**
[72] MOLLOY, PETER, AU
[72] TUCKER, SIMON, AU
[72] GOODALL, STEPHEN, AU
[71] FIREBRICK PHARMA LIMITED, AU
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[54] **SYSTEME DE DRAPERIE ET PROCEDE DE MONTAGE D'UN RAIL DE DRAPERIE**
[72] SUNDELIN, ANDERS, SE
[72] GUEST, GAIUS HENRY, SE
[71] BLINDSPACE AB, SE
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[54] **RETENUE DE PROTECTON D'AIGUILLE**
[72] WONG, YUN HUI, SG
[72] SONDEREGGER, RALPH L., US
[72] STALEY, SHAUN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **STACKING BLOCK FOR STACKING STAND CONSTRUCTION FRAMES**
[54] **BLOC D'EMPILEMENT SERVANT A EMPILER DES CADRES DE CONSTRUCTION**
[72] VAN BOEKEL, HERMANUS ADRIANA PETRUS MARIA, NL
[71] HENRY VAN BOEKEL B.V., NL
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[54] **COOLING JACKET ASSEMBLY AND MANUFACTURING METHODS THEREOF**
[54] **ENSEMBLE CHEMISE DE REFROIDISSEMENT ET PROCEDES DE FABRICATION DE CELUI-CI**
[72] BOWMAN, JACOB, US
[72] NEWMAN, CORY, US
[71] ELECTRIC POWER SYSTEMS, INC., US
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[54] **NUCLEIC ACID CONSTRUCTS FOR PROTEIN MANUFACTURE**
[54] **CONSTRUCTIONS D'ACIDES NUCLEIQUES POUR LA FABRICATION DE PROTEINES**
[72] BLECK, GREGORY T., US
[72] KRAVITZ, RACHEL H., US
[72] HALL, CHAD A., US
[71] CATALENT PHARMA SOLUTIONS, LLC, US
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[54] **ADENO-ASSOCIATED VIRUS COMPOSITIONS FOR RESTORING PAH GENE FUNCTION AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE VIRUS ADENO-ASSOCIES POUR RESTAURER LA FONCTION DU GENE PAH ET LEURS PROCEDES D'UTILISATION**
[72] WRIGHT, JASON BOKE, US
[72] SOOKIASIAN, DANIELLE LAUREN, US
[72] ST. MARTIN, THIA BABOVAL, US
[72] FRANCONE, OMAR, US
[72] SEYMOUR, ALBERT BARNES, US
[71] HOMOLOGY MEDICINES, INC., US
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[54] **GENERATION OF THREE-DIMENSIONAL IMAGES WITH DIGITAL MAGNIFICATION**
[54] **GENERATION D'IMAGES TRIDIMENSIONNELLES A AGRANDISSEMENT NUMERIQUE**
[72] LIU, YANG, US
[72] ASKARI KARCHEGANI, MAZIYAR, US
[71] UNIFY MEDICAL, US
[85] 2022-11-24
[86] 2021-05-26 (PCT/US2021/034366)
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[51] **Int.Cl. A61K 39/39 (2006.01) C12N 15/117 (2010.01) C12N 15/67 (2006.01)**
[25] EN
[54] **GENETIC ELEMENTS DRIVING CIRCULAR RNA TRANSLATION AND METHODS OF USE**
[54] **ELEMENTS GENETIQUES COMMANDANT LA TRADUCTION D'ARN CIRCULAIRE ET PROCEDES D'UTILISATION**
[72] CHANG, HOWARD Y., US
[72] CHEN, CHUN-KAN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[25] FR
[54] **METHOD FOR SELECTIVELY SEPARATING A CARBON-CONTAINING MATERIAL FROM A MIXTURE OF POSITIVE ELECTRODES AND NEGATIVE ELECTRODES**
[54] **PROCEDE DE SEPARATION SELECTIVE D'UN MATERIAU CARBONE D'UN MELANGE D'ELECTRODES POSITIVES ET D'ELECTRODES NEGATIVES**
[72] BILLY, EMMANUEL, FR
[72] BARTHELEMY, SANDRINE, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[71] ORANO, FR
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[86] 2021-05-27 (PCT/FR2021/050960)
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[51] **Int.Cl. A61M 25/06 (2006.01)**
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[54] **NEEDLE PROTECTION DEVICE AND RELATED SYSTEMS**
[54] **DISPOSITIF DE PROTECTION D'AIGUILLE ET SYSTEMES ASSOCIES**
[72] ISAACSON, S. RAY, US
[72] STOUT, MARTY, US
[72] MCKINNON, AUSTIN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[51] **Int.Cl. A61K 31/18 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01) C07C 311/21 (2006.01)**
[25] EN
[54] **BIARYLSULFONAMIDES AND PHARMACEUTICAL COMPOSITIONS THEREOF, AND THEIR USE FOR TREATING FIBROTIC LUNG DISEASE**
[54] **BIARYLSULFONAMIDES ET COMPOSITIONS PHARMACEUTIQUES ASSOCIEES, ET LEUR UTILISATION POUR LE TRAITEMENT DE MALADIES PULMONAIRES FIBROTIQUES**
[72] SWINDLEHURST, CATHY A., US
[72] CHAN, KYLE W.H., US
[72] CORRAL, LAURA GRACIANA, US
[72] ERDMAN, PAUL E., US
[72] FUNG, LEAH M., US
[72] LAM, IMELDA, US
[72] SULLIVAN, ROBERT W., US
[72] TORRES, EDUARDO, US
[71] NOVOMEDIX, LLC, US
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[51] **Int.Cl. C07D 241/08 (2006.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 9/14 (2006.01) A61P 11/06 (2006.01) A61P 17/02 (2006.01) A61P 25/02 (2006.01)**
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[54] **FUMARYL DIKETOPIPERIDINE PRODRUGS OF TREPROSTINIL**
[54] **PROMEDICAMENTS A BASE DE FUMARYLE DICETOPIPERIDINE DE TREPROSTINIL**
[72] BATRA, HITESH, US
[72] GUO, LIANG, US
[72] POISSON, PATRICK, US
[72] TUMMALA, SRI HARSHA, US
[72] HARRIS, ELIZABETH ANN, US
[71] UNITED THERAPEUTICS CORPORATION, US
[71] MANNKIND CORPORATION, US
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[51] **Int.Cl. G07C 5/00 (2006.01)**
[25] EN
[54] **ANALYTICS PLATFORM FOR REMOTE VEHICLE ONBOARD DIAGNOSTICS (OBD) AND INSPECTION MAINTENANCE (I/M)**
[54] **PLATEFORME D'ANALYSE POUR LE DIAGNOSTIC EMBARQUE (OBD) ET L'INSPECTION/MAINTENANCE (I/M) DE VEHICULE A DISTANCE**
[72] SCOTLAND, MARK L., US
[72] COWART, GLORIA J., US
[71] 4.0 ANALYTICS, INC., US
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[51] **Int.Cl. G03F 1/62 (2012.01) G21K 1/06 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENT AND PELLICLE MEMBRANE FOR A LITHOGRAPHIC APPARATUS**
[54] **ELEMENT OPTIQUE ET MEMBRANE DE PELLICULE POUR APPAREIL LITHOGRAPHIQUE**
[72] HOUWELING, ZOMER SILVESTER, NL
[72] HILDENBRAND, VOLKER DIRK, NL
[72] KLEIN, ALEXANDER LUDWIG, NL
[72] VERMEULEN, PAUL ALEXANDER, NL
[71] ASML NETHERLANDS B.V., NL
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[51] **Int.Cl. A61M 25/06 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **CATHETER SYSTEM FACILITATING BLOOD FLASHBACK VISUALIZATION**
[54] **SYSTEME DE CATHETER FACILITANT LA VISUALISATION DU REFLUX DE SANG**
[72] NATESAN, MOHANKUMAR, SG
[72] NAIDU, JITHENDRA KUMAR SATHYANARAYANA, SG
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-11-24
[86] 2021-06-07 (PCT/US2021/036181)
[87] (WO2021/252361)
[30] US (63/037,354) 2020-06-10
[30] US (17/337,200) 2021-06-02

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[51] **Int.Cl. A63B 69/36 (2006.01)**
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[54] **AUTONOMOUS GOLF COMPETITION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMPETITION DE GOLF AUTONOMES**
[72] IMES, KEVIN R., US
[71] HOLE-IN-ONE MEDIA, INC., US
[85] 2022-11-24
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[51] **Int.Cl. B63B 22/00 (2006.01) F03G 7/06 (2006.01) G01S 7/521 (2006.01) G01V 1/20 (2006.01) G01V 1/38 (2006.01) G10K 11/00 (2006.01)**
[25] EN
[54] **SONOBUOY VOLUMETRIC ARRAY DEPLOYMENT MODULE**
[54] **MODULE DE DEPLOIEMENT D'UN RESEAU VOLUMETRIQUE DE BOUEES SONORES**
[72] CARLSTEN, CURTIS B., US
[72] KOEHLER, FREDERICK B., US
[72] GAUDETTE, JASON E., US
[72] WILLEY, PETER M., US
[71] RAYTHEON COMPANY, US
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[86] 2021-04-16 (PCT/US2021/027595)
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[25] EN
[54] **PERMISSIONED EVENTING IN A DECENTRALIZED DATABASE**
[54] **ORGANISATION D'EVENEMENTS AVEC PERMISSIONS DANS UNE BASE DE DONNEES DECENTRALISEE**
[72] YELLICK, JASON, US
[72] SORNIOTTI, ALESSANDRO, CH
[72] ANDROULAKI, ELLI, CH
[72] DE CARO, ANGELO, CH
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 47/50 (2017.01) A61K 47/64 (2017.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) C07K 1/12 (2006.01)**
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[54] **CYTOKINE CONJUGATES**
[54] **CONJUGUES DE CYTOKINE**
[72] IRVING, BRYAN, US
[72] YOUNG, TRACY, US
[72] CHAUHAN, VIBHA, US
[72] SCHELLENBERGER, VOLKER, US
[72] JOHANSEN, ERIC, US
[72] HENKENSIEFKEN, ANGELA, US
[72] YEUNG, VALENTINE, US
[71] AMUNIX PHARMACEUTICALS, INC., US
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[86] 2021-06-24 (PCT/US2021/038909)
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[30] US (63/044,335) 2020-06-25
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[51] **Int.Cl. G01B 9/02 (2022.01)**
[25] EN
[54] **OPTICAL SYSTEM USING ENHANCED STATIC FRINGE CAPTURE**
[54] **SYSTEME OPTIQUE UTILISANT UNE CAPTURE DE FRANGE STATIQUE AMELIOREE**
[72] LAPLANTE, CURTIS, CA
[72] TRINDADE, BRUNO, CA
[72] UKWATTA, ERANGA, CA
[71] BMV OPTICAL TECHNOLOGIES INC., CA
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[30] US (63/039,096) 2020-06-15

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[51] **Int.Cl. F24F 11/41 (2018.01) F24F 11/64 (2018.01) F24F 11/88 (2018.01) F24F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CURRENT LIMITING AND DEFROST ENHANCEMENT**
[54] **SYSTEME ET PROCEDE DE LIMITATION DE COURANT ET D'AMELIORATION DE DEGIVRAGE**
[72] SOKN, ERICK, US
[72] MOON, STEPHEN, US
[72] RANE, ADITYA, US
[72] BARANOV, SERGEY, US
[72] BAKER, CHARLES, US
[71] RESEARCH PRODUCTS CORPORATION, US
[71] SOKN, ERICK, US
[71] MOON, STEPHEN, US
[71] RANE, ADITYA, US
[71] BARANOV, SERGEY, US
[71] BAKER, CHARLES, US
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[86] 2021-05-26 (PCT/US2021/034336)
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[51] **Int.Cl. C09C 1/36 (2006.01) C09D 5/08 (2006.01) C23F 11/167 (2006.01)**
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[54] **ANTI-CORROSION TITANIUM DIOXIDE PIGMENTS**
[54] **PIGMENTS DE DIOXYDE DE TITANE ANTI-CORROSION**
[72] SU, QUAN, US
[72] GOPARAJU, VENKATA RAMA RAO, US
[71] TRONOX LLC, US
[85] 2022-11-24
[86] 2021-08-13 (PCT/US2021/046007)
[87] (WO2022/036260)
[30] US (63/065,834) 2020-08-14

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[51] **Int.Cl. B01D 9/00 (2006.01) C01G 1/06 (2006.01) C01G 45/06 (2006.01)**
[25] EN
[54] **CONTAINED PRODUCTION OF PHARMACEUTICALLY PURE CRYSTALS**
[54] **PRODUCTION EN RECIPIENT FERME DE CRISTAUX PHARMACEUTIQUEMENT PURS**
[72] KOTTWITZ, ORTWIN, DE
[72] STIEFEL, THOMAS, DE
[71] BIOSYN ARZNEIMITTEL GMBH, DE
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[86] 2021-06-14 (PCT/EP2021/065903)
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[30] EP (20180574.4) 2020-06-17

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[51] **Int.Cl. G06N 10/00 (2022.01)**
[25] EN
[54] **QUANTUM DEVICE FACILITATING SUPPRESSION OF ZZ INTERACTIONS BETWEEN TWO-JUNCTION SUPERCONDUCTING QUBITS**
[54] **DISPOSITIF QUANTIQUE FACILITANT LA SUPPRESSION D'INTERACTIONS ZZ ENTRE DES BITS QUANTIQUES SUPRACONDUCTEURS A DEUX JONCTIONS**
[72] FINCK, AARON, US
[72] CARNIOL, APRIL, US
[72] BLAIR, JOHN, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-24
[86] 2021-06-29 (PCT/EP2021/067861)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/02 (2006.01) A61B 5/11 (2006.01) A61B 5/16 (2006.01) A61B 5/24 (2021.01) A61B 5/0205 (2006.01) A61B 5/024 (2006.01)**
[25] EN
[54] **EVALUATING PAIN OF A USER VIA TIME SERIES OF PARAMETERS FROM PORTABLE MONITORING DEVICES**
[54] **EVALUATION DE LA DOULEUR D'UN UTILISATEUR PAR L'INTERMEDIAIRE D'UNE SERIE CHRONOLOGIQUE DE PARAMETRES PROVENANT DE DISPOSITIFS DE SURVEILLANCE PORTABLES**
[72] REZAI, ALI, US
[72] FINOMORE, VICTOR, US
[71] WEST VIRGINIA UNIVERSITY BOARD OF GOVERNORS ON BEHALF OF WEST VIRGINIA UNIVERSITY, US
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[86] 2021-06-01 (PCT/US2021/035267)
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[30] US (63/032,095) 2020-05-29

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[51] **Int.Cl. H04W 4/06 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE COMMUNICATION**
[72] LI, MENG, CN
[72] YING, JIANGWEI, CN
[72] YANG, YANMEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[30] CN (202010461724.1) 2020-05-27

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[51] **Int.Cl. H01L 23/498 (2006.01) H01L 25/00 (2006.01)**
[25] EN
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[54] **CAPSULE A RADIOFREQUENCE RAPIDE**
[72] JANETT, ANDREAS, CH
[72] PAREDES, STEPHAN, CH
[72] STOEFERLE, THILO, CH
[72] FILIPPAL, STEFAN, IL
[72] MERGENTHALER, MATTHIAS, CH
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[86] 2021-06-06 (PCT/IB2021/054946)
[87] (WO2022/003450)
[30] US (16/920,387) 2020-07-02

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/077 (2010.01) C12N 5/0775 (2010.01)**
[25] FR
[54] **METHOD FOR THE IN VITRO OR EX VIVO AMPLIFICATION OF STEM CELLS OF BROWN OR BEIGE ADIPOCYTES**
[54] **PROCEDE D'AMPLIFICATION IN VITRO OU EX VIVO DE CELLULES SOUCHES D'ADIPOCYTES BRUNS OU BEIGES**
[72] DANI, CHRISTIAN JEAN LUCIEN, FR
[72] DANI, VINCENT, FR
[72] CASTEILLA, LOUIS, FR
[72] DOGLIO, ALAIN PIERRE LOUIS, FR
[72] LETERTRE, PHILIPPE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] CHU DE NICE, FR
[71] ETABLISSEMENT FRANCAIS DU SANG, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] UNIVERSITE COTE D'AZUR, FR
[71] UNIVERSITE TOULOUSE III - PAUL SABATIER, FR
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[30] FR (2007407) 2020-07-15

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[25] EN
[54] **SYSTEMS AND METHODS FOR LOCAL GENERATION AND/OR CONSUMPTION OF HYDROGEN GAS**
[54] **SYSTEMES ET PROCEDES DE GENERATION ET/OU DE CONSOMMATION LOCALE D'HYDROGENE GAZEUX**
[72] ASHTON, JUSTIN B., US
[72] GROENEWALD, ROELOF E., US
[72] HUGHES, KEVIN J., US
[72] KANNAN, ARVIND, US
[72] KOKONASKI, WILLIAM, US
[72] MANKIN, MAX N., US
[72] PAN, TONY S., US
[72] RODRIGUEZ, LEVI D., US
[72] WOOD, LOWELL L., US
[72] LORR, JOHN J., US
[72] GOYAL, AMIT, US
[72] RADAELLI, GUIDO, US
[72] SESHHADRI, VIKRAM, US
[71] MODERN ELECTRON INC., US
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[86] 2021-06-02 (PCT/US2021/035541)
[87] (WO2021/247768)
[30] US (63/034,385) 2020-06-03
[30] US (63/113,931) 2020-11-15

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[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61L 31/04 (2006.01) A61L 31/10 (2006.01)**
[25] EN
[54] **DEVICES COMPRISING HYALURONIC ACID AND SILK FIBROIN**
[54] **DISPOSITIFS COMPRENANT DE L'ACIDE HYALURONIQUE ET DE LA FIBROINE DE SOIE**
[72] SERBAN, MONICA, US
[71] UNIVERSITY OF MONTANA, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034805)
[87] (WO2021/243182)
[30] US (63/030,952) 2020-05-28

[21] **3,180,269**
[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01)**
[25] EN
[54] **APPLICATION OF MITOXANTRONE PREPARATION IN PREPARATION OF DRUG FOR DIAGNOSING AND TREATING DISEASE RELATED TO THYROIDECTOMY**
[54] **APPLICATION DE PREPARATION DE MITOXANTRONE DANS LA PREPARATION D'UN MEDICAMENT POUR LE DIAGNOSTIC ET LE TRAITEMENT D'UNE MALADIE LIEE A LA THYROIDECTOMIE**
[72] LIU, JUN, CN
[72] LI, XUN, CN
[72] YANG, ZHANAO, CN
[72] TU, FEINA, CN
[72] CHEN, NING, CN
[72] HUANG, QUANHUA, CN
[72] LIANG, HUACHENG, CN
[72] LAI, BAOLIN, CN
[72] ZHANG, WEIWEI, CN
[71] SHENZHEN CHINA RESOURCES JIUCHUANG MEDICAL AND PHARMACEUTICAL CO., LTD, CN
[71] SHENZHEN CHINA RESOURCES GOSUN PHARMACEUTICALS CO., LTD, CN
[85] 2022-11-24
[86] 2021-03-23 (PCT/CN2021/082261)
[87] (WO2021/238367)
[30] CN (202010464323.1) 2020-05-27

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[13] A1
[51] **Int.Cl. E04B 2/72 (2006.01) E04C 2/16 (2006.01) E04C 2/20 (2006.01) E04C 2/40 (2006.01) E04C 3/29 (2006.01)**
[25] EN
[54] **BUILDING STUD, WALL STRUCTURE COMPRISING SUCH A BUILDING STUD AND A METHOD FOR FORMING A WALL STRUCTURE**
[54] **MONTANT DE CONSTRUCTION, STRUCTURE MURALE COMPRENANT UN TEL MONTANT DE CONSTRUCTION ET PROCEDE DE FORMATION D'UNE STRUCTURE MURALE**
[72] JOHANSSON, PATRICK, SE
[71] ATRICON AB, SE
[85] 2022-11-24
[86] 2021-05-30 (PCT/SE2021/050502)
[87] (WO2021/246937)
[30] SE (2030178-4) 2020-06-01

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **SINGLE REACTOR BIMODAL POLYETHYLENE WITH IMPROVED MODULUS FOR EXTRUSION BLOW MOLDING DRUM APPLICATIONS**
[54] **POLYETHYLENE BIMODAL A REACTEUR UNIQUE AYANT UN MODULE AMELIORE POUR DES APPLICATIONS DE TAMBOUR DE MOULAGE PAR EXTRUSION-SOUFFLAGE**
[72] LIU, BO, US
[72] ASKAR, SHADID, US
[72] WIELICZKO, JOEL D., US
[72] KAPUR, MRIDULA, US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2022-11-24
[86] 2021-05-24 (PCT/US2021/033855)
[87] (WO2021/242678)
[30] US (63/031,712) 2020-05-29

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[13] A1
[51] **Int.Cl. C08F 4/659 (2006.01) C08F 2/34 (2006.01) C08F 110/02 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **CATALYST SYSTEMS AND PROCESSES FOR PRODUCING POLYETHYLENE USING THE SAME**
[54] **SYSTEMES CATALYSEURS ET PROCEDES DE PRODUCTION DE POLYETHYLENE A L'AIDE DE CEUX-CI**
[72] BAILLIE, RHETT A., US
[72] PEARSON, DAVID M., US
[72] DO, HIEN Q., US
[72] DELORBE, JOHNATHAN E., US
[72] FONTAINE, PHILIP P., US
[72] ROSEN, MARI S., US
[72] CAMELIO, ANDREW M., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034864)
[87] (WO2021/243211)
[30] US (63/031,638) 2020-05-29
[30] US (63/143,324) 2021-01-29

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[13] A1
[51] **Int.Cl. G06Q 30/015 (2023.01) G06N 20/00 (2019.01) G06F 40/35 (2020.01) G06Q 30/0251 (2023.01) H04M 3/523 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTENT RESPONSE SOLICITATION AND PROCESSING**
[54] **SYSTEMES ET PROCEDES DE SOLLICITATION ET DE TRAITEMENT DE REPONSE D'INTENTION**
[72] COHEN, GOOR, US
[72] AVIRAM, SHAI, US
[72] KEDMI, AVI, US
[71] LIVEPERSON, INC., US
[85] 2022-11-24
[86] 2021-06-02 (PCT/US2021/035378)
[87] (WO2021/247653)
[30] US (63/033,534) 2020-06-02

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C07F 7/30 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **CATALYST SYSTEMS AND PROCESSES FOR PRODUCING POLYETHYLENE USING THE SAME**
[54] **SYSTEMES CATALYTIQUES ET PROCEDES DE PRODUCTION DE POLYETHYLENE A L'AIDE DE CEUX-CI**
[72] BAILLIE, RHETT A., US
[72] DO, HIEN Q., US
[72] CAMELIO, ANDREW M., US
[72] DELORBE, JOHNATHAN E., US
[72] ROSEN, MARI S., US
[72] FONTAINE, PHILIP P., US
[72] PEARSON, DAVID M., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034866)
[87] (WO2021/243213)
[30] US (63/031,638) 2020-05-29
[30] US (63/143,333) 2021-01-29

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[13] A1
[51] **Int.Cl. E06B 3/66 (2006.01)**
[25] EN
[54] **INSULATING GLAZING UNIT AND GLAZING**
[54] **VITRAGE ISOLANT ET VITRAGE**
[72] HOLTSTIEGE, THOMAS, DE
[72] DROGE, ALICIA, DE
[72] SOLBACH, KLAUS, DE
[72] GECK, BERND, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-11-24
[86] 2021-09-06 (PCT/EP2021/074453)
[87] (WO2022/063551)
[30] EP (20197749.3) 2020-09-23

[21] **3,180,278**
[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01)**
[25] EN
[54] **METHODS OF DETERMINING BACTERIA AND MANUFACTURING A FIBROUS WEB AND TOOLS AND USES RELATED THERETO**
[54] **PROCEDES POUR DETERMINER DES BACTERIES ET FABRIQUER UNE BANDE FIBREUSE ET OUTILS ET UTILISATIONS AFFERENTS**
[72] JAAKKOLA, ANU, FI
[72] EKMAN, JAAKKO, FI
[72] KOLARI, MARKO, FI
[71] OYJ, KEMIRA, FI
[85] 2022-11-24
[86] 2021-06-07 (PCT/FI2021/050420)
[87] (WO2021/250317)
[30] FI (20205594) 2020-06-09

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **CATALYST SYSTEMS AND PROCESSES FOR PRODUCING POLYETHYLENE USING THE SAME**
[54] **SYSTEMES CATALYSEURS ET PROCEDES DE PRODUCTION DE POLYETHYLENE A L'AIDE DE CEUX-CI**
[72] BAILLIE, RHETT A., US
[72] DELORBE, JOHNATHAN E., US
[72] CAMELIO, ANDREW M., US
[72] DO, HIEN Q., US
[72] FONTAINE, PHILIP P., US
[72] PEARSON, DAVID M., US
[72] ROSEN, MARI S., US
[72] BAILEY, BRAD C., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034878)
[87] (WO2021/243222)
[30] US (63/031,638) 2020-05-29
[30] US (63/143,333) 2021-01-29

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **CATALYST SYSTEMS AND PROCESSES FOR PRODUCING POLYETHYLENE USING THE SAME**
[54] **SYSTEMES DE CATALYSEURS ET PROCEDES DE PRODUCTION DE POLYETHYLENE LES UTILISANT**
[72] BAILLIE, RHETT A., US
[72] DO, HIEN Q., US
[72] PEARSON, DAVID M., US
[72] DELORBE, JOHNATHAN E., US
[72] CAMELIO, ANDREW M., US
[72] FONTAINE, PHILIP P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034868)
[87] (WO2021/243214)
[30] US (63/031,638) 2020-05-29
[30] US (63/143,324) 2021-01-29
[30] US (63/143,333) 2021-01-29

[21] **3,180,282**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **SPRAY-DRIED CATALYSTS CONTAINING A GERMANIUM-BRIDGED BIS-BIPHENYL-PHENOXY ORGANOMETALLIC COMPOUND FOR MAKING ETHYLENE-BASED COPOLYMERS**
[54] **CATALYSEURS SECHES PAR PULVERISATION CONTENANT UN COMPOSE ORGANOMETALLIQUE BIS-BIPHENYL-PHENOXY A PONT GERMANIUM POUR LA FABRICATION DE COPOLYMERES A BASE D'ETHYLENE**
[72] BAILLIE, RHETT A., US
[72] DO, HIEN Q., US
[72] PEARSON, DAVID M., US
[72] DELORBE, JOHNATHAN E., US
[72] CAMELIO, ANDREW M., US
[72] FONTAINE, PHILIP P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034871)
[87] (WO2021/243216)
[30] US (63/031,638) 2020-05-29
[30] US (63/143,324) 2021-01-29
[30] US (63/143,333) 2021-01-29

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **CHEMICALLY CONVERTED CATALYSTS**
[54] **CATALYSEURS CONVERTIS PAR VOIE CHIMIQUE**
[72] BAILLIE, RHETT A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034747)
[87] (WO2021/243145)
[30] US (63/031,638) 2020-05-29
[30] US (63/081,533) 2020-09-22
[30] US (63/149,488) 2021-02-15
[30] US (63/169,565) 2021-04-01

[21] **3,180,285**
[13] A1
[51] **Int.Cl. B29C 44/12 (2006.01) B29C 51/10 (2006.01) B29C 53/06 (2006.01) B29C 65/02 (2006.01) B62J 1/00 (2006.01) B62J 1/18 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING A BICYCLE SADDLE**
[54] **PROCEDE DE FABRICATION D'UNE SELLE DE BICYCLETTE**
[72] SCHIAVON, FRANCO, IT
[72] SCHIAVON, MAURIZIO, IT
[71] SELLE SMP S.A.S. DI FRANCO SCHIAVON, IT
[85] 2022-11-24
[86] 2021-06-03 (PCT/EP2021/064907)
[87] (WO2021/245189)
[30] IT (102020000013249) 2020-06-04

[21] **3,180,287**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **CHEMICALLY CONVERTED CATALYSTS**
[54] **CATALYSEURS CHIMIQUEMENT CONVERTIS**
[72] BAILLIE, RHETT A., US
[72] NEILSON, BETHANY M., US
[72] KUHLMAN, ROGER L., US
[72] SZUL, JOHN F., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034765)
[87] (WO2021/243158)
[30] US (63/031,638) 2020-05-29
[30] US (63/081,533) 2020-09-22
[30] US (63/081,538) 2020-09-22
[30] US (63/169,581) 2021-04-01

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[13] A1
[51] **Int.Cl. B02C 23/02 (2006.01) B02C 18/14 (2006.01) B02C 18/22 (2006.01)**
[25] EN
[54] **A WOOD CHIPPER**
[54] **DECHIQUETEUSE A BOIS**
[72] MARTIN, ANDREW, GB
[71] FOREST MASTER LIMITED, GB
[85] 2022-11-24
[86] 2021-05-24 (PCT/IB2021/054494)
[87] (WO2021/240347)
[30] GB (2008049.5) 2020-05-28

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[13] A1
[51] **Int.Cl. C08L 95/00 (2006.01)**
[25] EN
[54] **ASPHALTIC MIXTURE CONDITIONER, CONDITIONED ASPHALTIC PAVING MIXTURE, THEIR PROCESSES OF PREPARATION, THEIR USES IN PAVING SURFACES, PAVED SURFACES AND SYSTEM TO PREPARE AN ASPHALTIC MIXTURE CONDITIONER**
[54] **CONDITIONNEUR DE MELANGE ASPHALTIQUE, MELANGE DE PAVAGE ASPHALTIQUE CONDITIONNE, LEURS PROCEDES DE PREPARATION, LEURS UTILISATIONS DANS DES SURFACES DE PAVAGE, SURFACES PAVEES ET SYSTEME POUR PREPARER UN CONDITIONNEUR DE MELANGE ASPHALTIQUE**
[72] DELGADO BARROETA, ROMHER GERARDO, VE
[71] ASFALTO LIQUIDO TECNOLOGIA EXTREMA ALTEX SOCIEDAD ANONIMA, CR
[85] 2022-11-24
[86] 2020-05-26 (PCT/IB2020/054992)
[87] (WO2021/240216)

[21] **3,180,293**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/10 (2006.01) A61P 11/00 (2006.01) A61P 29/00 (2006.01) A61P 37/02 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **TREM-1 INHIBITOR FOR USE IN THE TREATMENT OF A SUBJECT SUFFERING FROM A CORONAVIRUS INFECTION**
[54] **INHIBITEUR DE TREM-1 DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'UN SUJET SOUFFRANT D'UNE INFECTION A CORONAVIRUS**
[72] DERIVE, MARC, FR
[72] SALCEDO-MAGGUILLI, MARGARITA, FR
[72] GARAUD, JEAN-JACQUES, FR
[72] LAMBDEN, SIMON, GB
[72] OLIVIER, AURELIE, FR
[71] INOTREM, FR
[85] 2022-11-24
[86] 2021-06-07 (PCT/EP2021/065194)
[87] (WO2021/245291)
[30] EP (20305603.1) 2020-06-05

[21] **3,180,295**
[13] A1
[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/5377 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **HETEROARYL DERIVATIVE COMPOUNDS, AND USES THEREOF**
[54] **COMPOSE DERIVE D'HETEROARYLE ET SON UTILISATION**
[72] LEE, YOUN HO, KR
[72] HWANG, SEON AH, KR
[72] SHIM, IN SEOB, KR
[72] JEON, HYEON HO, KR
[72] DO, WOO MI, KR
[72] RYU, HEE SUN, KR
[72] SON, JUNG BEOM, KR
[72] KIM, NAM DOO, KR
[72] KIM, SUNG HWAN, KR
[72] JUNG, HONG RYUL, KR
[72] LEE, YOUNG YI, KR
[71] VORONOIBIO INC., KR
[71] VORONOI INC., KR
[85] 2022-11-24
[86] 2022-05-16 (PCT/KR2022/006994)
[87] (WO2022/245085)
[30] KR (10-2021-0063733) 2021-05-17

[21] **3,180,296**
[13] A1
[51] **Int.Cl. F27B 9/14 (2006.01) F27B 9/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO HEAT METALLIC CONTAINERS OR WORKPIECES**
[54] **APPAREIL ET PROCEDE DE CHAUFFAGE DE RECIPIENTS OU DE PIECES METALLIQUES**
[72] EFNER, JOHN D., US
[72] STOCK, JULIAN, US
[71] BALL CORPORATION, US
[85] 2022-11-24
[86] 2021-05-25 (PCT/US2021/034011)
[87] (WO2021/242732)
[30] US (63/030,168) 2020-05-26
[30] US (63/139,226) 2021-01-19

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[13] A1
[51] **Int.Cl. F16K 1/30 (2006.01) F25B 41/30 (2021.01) F25B 41/38 (2021.01) F16K 1/36 (2006.01) F16K 15/18 (2006.01)**
[25] EN
[54] **DUAL SHUT-OFF VALVE**
[54] **VANNE D'ARRET DOUBLE**
[72] INMAN, JAMES BRIAN, US
[71] BWXT ADVANCED TECHNOLOGIES, LLC, US
[85] 2022-11-24
[86] 2021-06-04 (PCT/US2021/035957)
[87] (WO2021/248037)
[30] US (63/034,630) 2020-06-04

[21] **3,180,298**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTING RADIATION FOR DIAGNOSTICS**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE RADIATION POUR DIAGNOSTICS**
[72] SWARTLING, JOHANNES, SE
[72] SOTO THOMPSON, MARCELO, SE
[72] GRONLUND, RASMUS, SE
[71] SPECTRACURE AB, SE
[85] 2022-11-24
[86] 2021-05-31 (PCT/EP2021/064589)
[87] (WO2021/240023)
[30] EP (20177487.4) 2020-05-29

[21] **3,180,300**
[13] A1
[51] **Int.Cl. A61N 7/00 (2006.01)**
[25] EN
[54] **ULTRASOUND SYSTEMS AND ASSOCIATED DEVICES AND METHODS FOR MODULATING BRAIN ACTIVITY**
[54] **SYSTEMES A ULTRASONS ET DISPOSITIFS ET PROCEDES ASSOCIES POUR LA MODULATION DE L'ACTIVITE CEREBRALE**
[72] MURPHY, KEITH R., US
[72] VILLOSLADA, PABLO, US
[72] MAHADEVAN, RAJIV, US
[71] ATTUNE NEUROSCIENCES, INC., US
[85] 2022-11-24
[86] 2021-05-27 (PCT/US2021/034640)
[87] (WO2021/243099)
[30] US (63/030,850) 2020-05-27

[21] **3,180,301**
[13] A1
[51] **Int.Cl. C12N 15/87 (2006.01) C12M 1/26 (2006.01) C12N 1/00 (2006.01) C12N 5/00 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TRANSFECTION**
[54] **DISPOSITIFS ET PROCEDES DE TRANSFECTION**
[72] PROHASKA, OTTO J., US
[72] FASCHING, RAINER, US
[72] OLCAYTUG, FETHI I., US
[72] O'KEEFE, THERESA L., US
[72] SHANKARA, SRINIVAS, US
[72] RAGHUNATHAN, ARUMUGHAM, US
[72] BONNEAU, DAVID, US
[71] TRANSCYTOS, LLC, US
[85] 2022-11-24
[86] 2021-05-26 (PCT/US2021/034251)
[87] (WO2021/242857)
[30] US (63/030,025) 2020-05-26

[21] **3,180,304**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/16 (2006.01) A61K 38/20 (2006.01) A61K 45/00 (2006.01) C07K 14/00 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **ENGINEERED INTERLEUKIN-10 POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES D'INTERLEUKINE-10 GENETIQUEMENT MODIFIES ET LEURS UTILISATIONS**
[72] GARCIA, KENAN CHRISTOPHER, US
[72] SAXTON, ROBERT ANDREW, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-11-24
[86] 2021-05-27 (PCT/US2021/034580)
[87] (WO2021/243057)
[30] US (63/031,186) 2020-05-28

[21] **3,180,312**
[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/40 (2006.01) A61K 9/70 (2006.01) A61K 31/122 (2006.01)**
[25] EN
[54] **DERMAL PATCHES AND GLASS SWABS FOR APPLICATION OF TOPICAL IMMUNOSENSITIZERS**
[54] **TIMBRES DERMIQUES ET TAMPONS DE VERRE POUR L'APPLICATION D'IMMUNOSENSIBILISANTS TOPIQUES**
[72] MCTAVISH, HUGH, US
[71] SQUAREX PHARMACEUTICAL CORPORATION, US
[85] 2022-11-24
[86] 2021-06-14 (PCT/US2021/037277)
[87] (WO2021/257479)
[30] US (63/040,138) 2020-06-17
[30] US (16/932,111) 2020-07-17

[21] **3,180,314**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61P 35/00 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER IN PATIENTS WITH AN ANOMALOUS KRAS GENE OR DELETIONS WITHIN CHROMOSOME 9**
[54] **METHODES DE TRAITEMENT DU CANCER CHEZ DES PATIENTS AYANT UN GENE KRAS ANORMAL OU DES DELETIONS DANS LE CHROMOSOME 9**
[72] HODGSON, JOHN GRAEME, US
[72] JOHANNESSEN, LIV HELENA, US
[72] RAJAGOPAL, NISHA, US
[72] D'IPPOLITO, ANTHONY, US
[71] SYROS PHARMACEUTICALS, INC., US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034979)
[87] (WO2021/243280)
[30] US (63/032,060) 2020-05-29

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[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR REMOTE ASSESSMENT OF A SAMPLE ASSAY FOR DISEASE DIAGNOSTICS**
[54] **SYSTEME ET PROCEDES D'EVALUATION A DISTANCE D'UN DOSAGE D'ECHANTILLON POUR LE DIAGNOSTIC DE MALADIES**
[72] YAGHOUBI, HOUMAN, US
[72] MARSH, CURTIS, US
[72] RONGEY, SCOTT, US
[72] SALEM, ZIAD, US
[72] STASSINOPOULOS, ADONIS, US
[71] QUIDEL CORPORATION, US
[85] 2022-11-24
[86] 2021-05-28 (PCT/US2021/034801)
[87] (WO2021/243179)
[30] US (63/031,989) 2020-05-29

[21] **3,180,341**
[13] A1
[51] **Int.Cl. G06F 21/53 (2013.01) G06F 21/55 (2013.01) G06F 21/56 (2013.01)**
[25] EN
[54] **THREAT MITIGATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DE MENACE**
[72] MURPHY, BRIAN P., US
[72] PARTLOW, JOE, US
[72] O'CONNOR, COLIN, US
[72] PFEIFFER, JASON, US
[72] MURPHY, BRIAN PHILIP, US
[71] RELIAQUEST HOLDINGS, LLC, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034828)
[87] (WO2021/243197)
[30] US (63/031,398) 2020-05-28

[21] **3,180,345**
[13] A1
[51] **Int.Cl. G06T 19/20 (2011.01) G06F 30/10 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONSTRAINING SHAPE DEFORMATION OF 3D OBJECTS**
[54] **PROCEDE ET DISPOSITIF POUR CONTRAINDRE LA DEFORMATION DE FORME D'OBJETS 3D**
[72] BORDUAS, JONATHAN, CA
[71] TECHNOLOGIES SHAPESHIFT 3D INC., CA
[85] 2022-11-25
[86] 2021-05-25 (PCT/CA2021/050705)
[87] (WO2021/237346)
[30] US (63/029,640) 2020-05-25

[21] **3,180,346**
[13] A1
[51] **Int.Cl. B25J 9/18 (2006.01) B65C 9/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LABEL APPLICATION**
[54] **PROCEDE ET APPAREIL D'APPLICATION D'ETIQUETTES**
[72] GURBERG, BARRY, CA
[72] KOUTSOUBIDIS, VASILIOS, CA
[72] MCDONALD, JEFFERY, CA
[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA
[85] 2022-11-25
[86] 2021-05-27 (PCT/CA2021/050720)
[87] (WO2021/237359)
[30] CA (3,081,515) 2020-05-28

[21] **3,180,347**
[13] A1
[51] **Int.Cl. H01M 50/572 (2021.01) H01M 50/531 (2021.01)**
[25] EN
[54] **BATTERY CELL AND BATTERY**
[54] **ELEMENT DE BATTERIE ET BATTERIE**
[72] WANG, XINYUE, CN
[72] YUAN, WANSONG, CN
[72] DENG, DONGJUN, CN
[72] HE, KEFENG, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2021-06-30 (PCT/CN2021/103450)
[87] (WO2022/002113)
[30] CN (202010614979.7) 2020-06-30

[21] **3,180,348**
[13] A1
[51] **Int.Cl. A61K 31/436 (2006.01)**
[25] EN
[54] **COMPOUND FOR PREVENTION OR TREATMENT OF A SKIN CANCER OR SKIN PRECANCER**
[54] **COMPOSE POUR LA PREVENTION OU LE TRAITEMENT D'UN CANCER DE LA PEAU OU D'UN PRECANCER DE LA PEAU**
[72] WELLS, JAMES, AU
[72] DYMOCK, BRIAN WILLIAM, AU
[72] HARVEY, ANDREW, AU
[72] COCK, TERRIE-ANNE, AU
[72] POUWER, REBECCA, AU
[72] BEAUMONT, KIMBERLEY, AU
[71] UNIQUEST PTY LTD, AU
[85] 2022-11-25
[86] 2021-06-09 (PCT/AU2021/050582)
[87] (WO2021/248189)
[30] AU (2020901895) 2020-06-09

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[13] A1
[51] **Int.Cl. B60L 58/27 (2019.01) H01M 10/615 (2014.01) H01M 10/44 (2006.01)**
[25] EN
[54] **BATTERY ENERGY PROCESSING DEVICE AND METHOD, AND VEHICLE**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'ENERGIE DE BATTERIE, ET VEHICULE**
[72] WANG, JUNLONG, CN
[72] LAO, LIMING, CN
[72] WANG, LIANG, CN
[72] XUE, PENGHUI, CN
[72] CHEN, MINGWEN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2020-11-19 (PCT/CN2020/130178)
[87] (WO2021/238103)
[30] CN (202010476447.1) 2020-05-29

[21] **3,180,356**
[13] A1
[51] **Int.Cl. F17C 5/06 (2006.01) B60S 5/02 (2006.01) F17C 5/02 (2006.01) F17C 5/04 (2006.01)**
[25] EN
[54] **MODULAR AND PORTABLE COMPRESSED NATURAL GAS FUELING STATION**
[54] **STATION DE RAVITAILLEMENT EN GAZ NATUREL COMPRIME MODULAIRE ET PORTATIVE**
[72] KUBISTA, DANIEL, US
[72] SENSE, COREY, US
[72] STARKSON, CHAD, US
[71] OPAL FUELS LLC, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034319)
[87] (WO2021/242900)
[30] US (16/884,996) 2020-05-27

[21] **3,180,358**
[13] A1
[51] **Int.Cl. B65D 75/30 (2006.01) A23L 2/04 (2006.01) B65D 35/44 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPENSING A FOOD AND BEVERAGE PRODUCT**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE PRODUIT ALIMENTAIRE OU DE BOISSON**
[72] SAVINO, JOSEPH CAMILLO, US
[72] FRIEDMAN, LENNIE, US
[72] TOLWIN, SCHLOMO A., US
[72] SUH, WILLIAM D., US
[72] SHEPARD, JAMES, US
[72] CARLINS, ZACHARY, US
[72] PANONE, AARON, US
[72] LEWIS, DANIEL T., US
[71] PLANT TAP, LLC, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/035013)
[87] (WO2021/243299)
[30] US (63/032,308) 2020-05-29
[30] US (63/126,292) 2020-12-16
[30] US (17/131,632) 2020-12-22

[21] **3,180,360**
[13] A1
[51] **Int.Cl. H01S 3/067 (2006.01)**
[25] EN
[54] **ACTIVE OPTICAL VORTEX FIBER**
[54] **FIBRE A VORTEX OPTIQUE ACTIVE**
[72] FILIPPOV, VALERY, FI
[72] CHAMOROVSKIY, YURIY, RU
[71] AMPLICONYX OY, FI
[85] 2022-11-25
[86] 2020-06-02 (PCT/FI2020/050381)
[87] (WO2021/245320)

[21] **3,180,362**
[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE AND DATA PROCESSING SYSTEM**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES ET SYSTEME DE TRAITEMENT DE DONNEES**
[72] GAO, YANG, CN
[72] LIU, FANGYU, CN
[72] CHEN, QIAN, CN
[72] WU, YUEFENG, CN
[72] GUO, HAIFENG, CN
[72] YANG, ZUOXING, CN
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
[85] 2022-11-25
[86] 2021-06-11 (PCT/CN2021/099701)
[87] (WO2022/068261)
[30] CN (202011069387.8) 2020-09-30

[21] **3,180,363**
[13] A1
[51] **Int.Cl. H01M 10/0525 (2010.01)**
[25] EN
[54] **LITHIUM ION BATTERY, POWER BATTERY MODULE, BATTERY PACK, ELECTRIC VEHICLE, AND ENERGY STORAGE DEVICE**
[54] **BATTERIE LITHIUM ION, MODULE DE BATTERIE D'ALIMENTATION, BLOC-BATTERIE, VEHICULE ELECTRIQUE ET DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] SUN, HUAJUN, CN
[72] WANG, GAOWU, CN
[72] LIN, WENSHENG, CN
[72] ZHAO, LING, CN
[72] ZHU, YAN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2021-05-24 (PCT/CN2021/095499)
[87] (WO2021/238859)
[30] CN (202010478297.8) 2020-05-29

[21] **3,180,366**
[13] A1
[51] **Int.Cl. C08F 110/14 (2006.01) C08F 210/16 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **ATTENUATED POST-METALLOCENE CATALYSTS**
[54] **CATALYSEURS POST-METALLOCENES ATTENUES**
[72] NEILSON, BETHANY M., US
[72] KUHLMAN, ROGER L., US
[72] BAILLIE, RHETT A., US
[72] SZUL, JOHN F., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034133)
[87] (WO2021/242795)
[30] US (63/031,638) 2020-05-29
[30] US (63/081,538) 2020-09-22

[21] **3,180,368**
[13] A1
[51] **Int.Cl. H01M 4/66 (2006.01) H01M 10/0525 (2010.01) H01M 10/0587 (2010.01) H01M 4/70 (2006.01)**
[25] EN
[54] **LITHIUM ION BATTERY, POWER BATTERY MODULE, BATTERY PACK, ELECTRIC VEHICLE, AND ENERGY STORAGE DEVICE**
[54] **BATTERIE AUX IONS LITHIUM, MODULE DE BATTERIE D'ALIMENTATION, BLOC-BATTERIE, VEHICULE ELECTRIQUE ET APPAREIL DE STOCKAGE D'ENERGIE**
[72] SUN, HUAJUN, CN
[72] WANG, GAOWU, CN
[72] LIN, WENSHENG, CN
[72] ZHAO, LING, CN
[72] ZHU, YAN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2021-05-24 (PCT/CN2021/095497)
[87] (WO2021/238858)
[30] CN (202010478307.8) 2020-05-29

[21] **3,180,369**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING AN ANTIBODY AGAINST INTERLEUKIN-6 RECEPTOR FOR THE TREATMENT OF RHEUMATOID ARTHRITIS AND METHODS OF USING SAME**
[54] **COMPOSITIONS COMPRENANT UN ANTICORPS DIRIGE CONTRE LE RECEPTEUR DE L'INTERLEUKINE 6 POUR LE TRAITEMENT DE LA POLYARTHRITE RHUMATOIDE ET PROCEDES D'UTILISATION ASSOCIES**
[72] ALBRECHT, INKA, DE
[72] FEIST, EUGEN, DE
[72] ARIES, PEER-MALTE, DE
[72] ZINE, SILKE, DE
[72] BURKHARDT, HARALD, DE
[72] TONEY, HANS-PETER, DE
[71] SANOFI BIOTECHNOLOGY, FR
[71] FEIST, EUGEN, DE
[71] ARIES, PEER-MALTE, DE
[71] ZINE, SILKE, DE
[71] BURKHARDT, HARALD, DE
[71] TONEY, HANS-PETER, DE
[85] 2022-11-25
[86] 2021-05-25 (PCT/IB2021/054546)
[87] (WO2021/240369)
[30] US (63/030,065) 2020-05-26
[30] US (63/155,125) 2021-03-01
[30] EP (21315087.3) 2021-05-25

[21] **3,180,370**
[13] A1
[51] **Int.Cl. B65B 7/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE HIGH-SPEED APPLICATION OF PAPER-BASED END CLOSURES ON COMPOSITE CONTAINERS**
[54] **SYSTEMES ET PROCEDES POUR L'APPLICATION A GRANDE VITESSE DE FERMETURES D'EXTREMITE A BASE DE PAPIER SUR DES RECIPIENTS COMPOSITES**
[72] PRICE, TREVOR, US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034448)
[87] (WO2021/242978)
[30] US (63/030,959) 2020-05-28
[30] US (63/125,013) 2020-12-14

[21] **3,180,371**
[13] A1
[51] **Int.Cl. C08F 110/14 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **ATTENUATED POST-METALLOCENE CATALYSTS**
[54] **CATALYSEURS POST-METALLOCENES ATTENUES**
[72] NEILSON, BETHANY M., US
[72] KUHLMAN, ROGER L., US
[72] BAILLIE, RHETT A., US
[72] SZUL, JOHN F., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034139)
[87] (WO2021/242800)
[30] US (63/031,638) 2020-05-29

[21] **3,180,372**
[13] A1
[51] **Int.Cl. A61K 31/4045 (2006.01) A61K 31/4178 (2006.01)**
[25] EN
[54] **5-OXOPYRROLIDINE-3-CARBOXAMIDES AS NAV1.8 INHIBITORS**
[54] **2-OXOIMIDAZOLIDINE-3-CARBOXAMIDES UTILES EN TANT QU'INHIBITEURS DE NAV1.8**
[72] ARASAPPAN, ASHOK, US
[72] BELL, IAN M., US
[72] COX, JASON M., US
[72] KELLY, MICHAEL J. III, US
[72] LAYTON, MARK E., US
[72] LIU, HONG, US
[72] LIU, JIAN, US
[72] SHAH, AKSHAY A., US
[72] VANHEYST, MICHAEL D., US
[71] MERCK SHARP & DOHME LLC, US
[85] 2022-11-25
[86] 2021-06-14 (PCT/US2021/037160)
[87] (WO2021/257420)
[30] US (63/040,465) 2020-06-17

[21] **3,180,373**
[13] A1
[51] **Int.Cl. C08F 110/14 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **ATTENUATED HYBRID CATALYSTS**
[54] **CATALYSEURS HYBRIDES ATTENUES**
[72] NEILSON, BETHANY M., US
[72] KUHLMAN, ROGER L., US
[72] BAILLIE, RHETT A., US
[72] SZUL, JOHN F., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034144)
[87] (WO2021/242801)
[30] US (63/031,644) 2020-05-29

[21] **3,180,374**
[13] A1
[51] **Int.Cl. H01M 4/66 (2006.01) H01M 10/0525 (2010.01) H01M 10/0587 (2010.01) H01M 4/70 (2006.01)**
[25] EN
[54] **LITHIUM ION BATTERY, POWER BATTERY MODULE, BATTERY PACK, ELECTRIC VEHICLE, AND ENERGY STORAGE DEVICE**
[54] **BATTERIE LITHIUM ION, MODULE DE BATTERIE D'ALIMENTATION, BLOC-BATTERIE, VEHICULE ELECTRIQUE ET DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] SUN, HUAJUN, CN
[72] WANG, GAOWU, CN
[72] LIN, WENSHENG, CN
[72] ZHAO, LING, CN
[72] ZHU, YAN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2021-05-24 (PCT/CN2021/095495)
[87] (WO2021/238857)
[30] CN (202010478294.4) 2020-05-29

[21] **3,180,376**
[13] A1
[51] **Int.Cl. A61K 31/7076 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR THE CHEMICAL INHIBITION OF TGS1 IN THE THERAPEUTIC TREATMENT OF TELOMEROPATHIES**
[54] **COMPOSITION PHARMACEUTIQUE POUR L'INHIBITION CHIMIQUE DE LA TGS1 DANS LE TRAITEMENT THERAPEUTIQUE DE TELOMEROPATHIES**
[72] RAFFA, GRAZIA DANIELA, IT
[72] CACCHIONE, STEFANO, IT
[72] SCHOEFTNER, STEFAN, IT
[71] UNIVERSITA' DEGLI STUDI DI ROMA "LA SAPIENZA", IT
[71] UNIVERSITA DEGLI STUDI DI TRIESTE, IT
[85] 2022-11-25
[86] 2021-05-24 (PCT/IB2021/054484)
[87] (WO2021/240340)
[30] IT (102020000012577) 2020-05-27

[21] **3,180,377**
[13] A1
[25] EN
[54] **SYSTEM, METHOD, AND DEVICE FOR ELECTRONICALLY PROVIDING PAVING INFORMATION**
[54] **SYSTEME, PROCEDE ET DISPOSITIF DE FOURNITURE ELECTRONIQUE D'INFORMATIONS DE PAVAGE**
[72] SUBRAMANIAN, GAUTHAM, US
[72] MARSOLEK, JOHN, US
[72] MCALPINE, JACOB, US
[71] CATERPILLAR INC., US
[85] 2022-11-25
[86] 2021-05-12 (PCT/US2021/031887)
[87] (WO2021/242517)
[30] US (16/888,411) 2020-05-29

[21] **3,180,378**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 10/052 (2010.01) H01M 10/0585 (2010.01) H01M 50/403 (2021.01) H01M 50/46 (2021.01) H01M 50/564 (2021.01) H01M 6/18 (2006.01) H01M 4/1391 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/0562 (2010.01)**
[25] EN
[54] **DEVICE FOR PRODUCING AN ENERGY STORE**
[54] **DISPOSITIF POUR LA FABRICATION D'UN ACCUMULATEUR D'ENERGIE**
[72] ERNST, ULRICH, CH
[71] CIPO, CA
[71] BLACKSTONE TECHNOLOGY HOLDING AG, CH
[85] 2022-11-25
[86] 2021-06-03 (PCT/EP2021/064956)
[87] (WO2021/245210)
[30] CH (00661/20) 2020-06-03

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[13] A1
[51] **Int.Cl. H01M 10/617 (2014.01) H01M 10/625 (2014.01) H01M 10/65 (2014.01) H01M 50/204 (2021.01)**
[25] EN
[54] **BATTERY PACK AND ELECTRIC VEHICLE**
[54] **BLOC-BATTERIE ET VEHICULE ELECTRIQUE**
[72] TAN, LIANGWEN, CN
[72] TAN, JING, CN
[72] CHEN, WENHUI, CN
[71] BYD COMPANY LIMITED, CN
[85] 2022-11-25
[86] 2021-06-03 (PCT/CN2021/098082)
[87] (WO2021/249272)
[30] CN (202010515671.7) 2020-06-09

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[13] A1
[51] **Int.Cl. A23K 10/30 (2016.01) A23K 50/30 (2016.01)**
[25] EN
[54] **ANIMAL FEED OR FEED PRODUCT INCLUDING BEETROOT POWDER**
[54] **NOURRITURE POUR ANIMAUX OU PRODUIT ALIMENTAIRE COMPRENANT DE LA POUDRE DE BETTERAVE**
[72] COOK, DAVID A., US
[72] VAN DEN BOSCH, MONIEK, NL
[71] CAN TECHNOLOGIES, INC., US
[85] 2022-11-25
[86] 2021-05-06 (PCT/US2021/031077)
[87] (WO2021/242498)
[30] US (63/031,829) 2020-05-29

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[13] A1
[51] **Int.Cl. A61K 8/90 (2006.01) A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/891 (2006.01)**
[25] EN
[54] **COOLING PERSONAL CARE COMPOSITION COMPRISING A POLYOL AND A POLYOXYEHTYLENE-POLYOXYPROPYLENE BLOCK COPOLYMER**
[54] **COMPOSITION DE SOINS PERSONNELS POUR REFROIDISSEMENT COMPRENANT UN POLYOL ET UN COPOLYMERE SEQUENCE DE POLYOXYHTYLENE-POLYOXYPROPYLENE**
[72] CROTTY, BRIAN ANDREW, US
[72] ELLISON, MATTHEW DAVID, US
[72] MORIKIS, THOMAS NIKOLAOS, US
[72] VELEZIS, NICHOLAS ARTHUR, US
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2022-11-25
[86] 2021-05-28 (PCT/EP2021/064414)
[87] (WO2021/244983)
[30] EP (20178260.4) 2020-06-04

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[13] A1
[51] **Int.Cl. G07C 9/10 (2020.01) G07C 9/30 (2020.01)**
[25] EN
[54] **AUTOMATIC ACCESS CONTROL SYSTEM AND METHOD FOR HANDLING INSPECTION EXCEPTION DURING SECURITY CHECK**
[54] **SYSTEME DE CONTROLE D'ACCES AUTOMATIQUE ET PROCEDE DE GESTION D'EXCEPTION D'INSPECTION LORS D'UNE VERIFICATION DE SECURITE**
[72] LEE, KWON-JIN, KR
[71] INCHEONINTERNATIONAL AIRPORT CORPORATION, KR
[85] 2022-11-25
[86] 2021-05-26 (PCT/KR2021/095055)
[87] (WO2021/242080)
[30] KR (10-2020-0063601) 2020-05-27

[21] **3,180,384**
[13] A1
[51] **Int.Cl. A23K 10/30 (2016.01) A23K 20/158 (2016.01) A23K 50/10 (2016.01) A23J 3/14 (2006.01) A23J 3/16 (2006.01)**
[25] EN
[54] **RUMINANT FEED INCLUDING A FATTY ACID-PROTECTED PROTEIN**
[54] **ALIMENT POUR RUMINANTS COMPRENANT UNE PROTEINE PROTEGEE PAR UN ACIDE GRAS**
[72] USHIJIMA, HELIO HARUO, BR
[71] CARGILL, INCORPORATED, US
[85] 2022-11-25
[86] 2021-05-18 (PCT/US2021/032956)
[87] (WO2021/242572)
[30] US (63/032,477) 2020-05-29

[21] **3,180,385**
[13] A1
[51] **Int.Cl. C01G 53/04 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING A PARTICULATE (OXY)HYDROXIDE**
[54] **PROCEDE DE FABRICATION D'UN (OXY)HYDROXYDE PARTICULAIRE**
[72] BERGNER, BENJAMIN JOHANNES HERBERT, DE
[72] BEIERLING, THORSTEN, DE
[71] BASF SE, DE
[85] 2022-11-25
[86] 2021-05-28 (PCT/EP2021/064322)
[87] (WO2021/244963)
[30] EP (20178317.2) 2020-06-04

[21] **3,180,386**
[13] A1
[51] **Int.Cl. C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) C40B 30/04 (2006.01)**
[25] EN
[54] **GENETIC DIAGNOSTIC TOOL FOR FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY (FSHD)**
[54] **OUTIL DE DIAGNOSTIC GENETIQUE POUR DYSTROPHIE MUSCULAIRE FACIOSCAPULO-HUMERALE (FSHD)**
[72] CHEN, YI-WEN, US
[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/035018)
[87] (WO2021/243303)
[30] US (63/031,999) 2020-05-29

[21] **3,180,387**
[13] A1
[51] **Int.Cl. C07D 513/20 (2006.01)**
[25] EN
[54] **MACROCYCLIC 2-AMINO-3-FLUORO-BUT-3-ENAMIDES AS INHIBITORS OF MCL-1**
[54] **2-AMINO-3-FLUORO-BUT-3-ENAMIDES MACROCYCLIQUES UTILISES COMME INHIBITEURS DE MCL-1**
[72] JERHAOUI, SOUFYAN, BE
[72] ROMBOUTS, FREDERIK JAN RITA, BE
[72] DIELS, GASTON STANISLAS MARCELLA, BE
[72] SURKYN, MICHEL, BE
[72] JOUFFROY, MATTHIEU DOMINIQUE, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-11-25
[86] 2021-06-09 (PCT/EP2021/065483)
[87] (WO2021/250102)
[30] EP (20179237.1) 2020-06-10

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[13] A1
[51] **Int.Cl. B05B 9/08 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPENSING A MATERIAL BY MEANS OF PRESSURIZED GAS AND PARTIALLY GAS-FILLED TUBULAR BODY FOR USE THEREIN**
[54] **DISPOSITIF DE DISTRIBUTION D'UN MATERIAU AU MOYEN D'UN GAZ SOUS PRESSION ET CORPS TUBULAIRE PARTIELLEMENT REMPLI DE GAZ DESTINE A ETRE UTILISE DANS CE DISPOSITIF**
[72] NERVO, PAULO, NL
[72] VAN MELICK, DENNIS, NL
[72] VAN WIJK, DOMINICUS JAN, NL
[71] DISPENSING TECHNOLOGIES B.V., NL
[85] 2022-11-25
[86] 2021-05-25 (PCT/NL2021/050328)
[87] (WO2021/242094)
[30] NL (2025666) 2020-05-25
[30] NL (2026776) 2020-10-27

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[51] **Int.Cl. A61K 38/21 (2006.01) A61K 9/14 (2006.01) A61K 9/72 (2006.01) A61K 31/4706 (2006.01) A61K 31/7052 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR THE TREATMENT OF A RESPIRATORY CONDITION**
[54] **COMPOSITIONS POUR LE TRAITEMENT D'UNE MALADIE RESPIRATOIRE**
[72] MANFORD, FERGUS, GB
[71] VECTURA LIMITED, GB
[85] 2022-11-25
[86] 2021-03-26 (PCT/EP2021/058041)
[87] (WO2021/191456)
[30] EP (20166525.4) 2020-03-27

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[13] A1
[51] **Int.Cl. A23L 33/125 (2016.01) A23K 20/163 (2016.01) A23L 29/30 (2016.01)**
[25] EN
[54] **COMPOSITION COMPRISING GLUCOSE OLIGOSACCHARIDE AND PROCESS FOR MAKING THE SAME AND USE THEREOF**
[54] **COMPOSITION COMPRENANT UN OLIGOSACCHARIDE DE GLUCOSE, PROCEDE DE PREPARATION ET UTILISATION ASSOCIES**
[72] DE OLIVEIRA, JEAN E., BE
[72] VERCAUTEREN, RONNY LEONTINA MARCEL, BE
[71] CARGILL, INCORPORATED, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034717)
[87] (WO2021/243125)
[30] EP (20177583.0) 2020-05-29

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[13] A1
[51] **Int.Cl. G21B 1/05 (2006.01)**
[25] EN
[54] **MAGNETIC MIRROR MACHINE**
[54] **MACHINE A MIROIR MAGNETIQUE**
[72] JADERBERG, JAN, SE
[71] NOVATRON FUSION GROUP AB, SE
[85] 2022-11-25
[86] 2021-11-11 (PCT/EP2021/081409)
[87] (WO2022/101356)
[30] EP (PCT/EP2020/081762) 2020-11-11

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[13] A1
[51] **Int.Cl. G06F 30/18 (2020.01) G06F 30/27 (2020.01)**
[25] EN
[54] **PIPING DIAGRAM CREATION METHOD AND PIPING DIAGRAM CREATION DEVICE**
[54] **PROCEDE DE PREPARATION DE PLAN DE TUYAUTAGE ET DISPOSITIF DE PREPARATION DE PLAN DE TUYAUTAGE**
[72] TAKAHASHI, SHIMPEI, JP
[72] HAYASHI, MITSUO, JP
[72] MITSUMORI, SEIKI, JP
[72] MARUYAMA, YOSHIHISA, JP
[71] KUBOTA CORPORATION, JP
[85] 2022-11-25
[86] 2021-06-02 (PCT/JP2021/020928)
[87] (WO2021/246428)
[30] JP (2020-096566) 2020-06-03

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[13] A1
[51] **Int.Cl. H02K 1/04 (2006.01) B32B 15/092 (2006.01) H01F 1/18 (2006.01)**
[25] EN
[54] **COATING COMPOSITION FOR ELECTRICAL STEEL SHEET, ELECTRICAL STEEL SHEET, LAMINATED CORE AND ELECTRIC MOTOR**
[54] **COMPOSITION DE REVETEMENT POUR TOLES D'ACIER ELECTROMAGNETIQUE, TOLE D'ACIER ELECTROMAGNETIQUE, NOYAU FEUILLETE ET MACHINE DYNAMO-ELECTRIQUE**
[72] TAKEDA, KAZUTOSHI, JP
[72] TAKATANI, SHINSUKE, JP
[72] FUKUCHI, MINAKO, JP
[72] TANAKA, ICHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2022-11-25
[86] 2021-06-17 (PCT/JP2021/023026)
[87] (WO2021/256531)
[30] JP (2020-104234) 2020-06-17

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[13] A1
[51] **Int.Cl. A23D 9/00 (2006.01) A23J 7/00 (2006.01) C07F 9/10 (2006.01) C11B 3/00 (2006.01) C11B 13/00 (2006.01)**
[25] EN
[54] **PROCESS FOR MAKING OIL-FREE COMPOSITIONS COMPRISING PHOSPHOLIPDS**
[54] **PROCEDE DE FABRICATION DE COMPOSITIONS EXEMPTES D'HUILE COMPRENANT DES PHOSPHOLIPIDES**
[72] BRUECHER, TOBIAS, DE
[72] MATTHIESSEN, NORMAN PHILIPP, DE
[72] TIROK, SUSANNE, DE
[72] SCHOEPPE, ARNULF, DE
[72] STEIGER, DANIEL, DE
[71] CARGILL, INCORPORATED, US
[85] 2022-11-25
[86] 2021-05-25 (PCT/US2021/033968)
[87] (WO2021/247274)
[30] EP (20177633.3) 2020-05-30

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[51] **Int.Cl. E21B 4/00 (2006.01) F16C 17/26 (2006.01) F16C 23/04 (2006.01) F16C 25/04 (2006.01) F16C 27/02 (2006.01)**
[25] EN
[54] **THRUST BEARING**
[54] **PALIER DE BUTEE**
[72] MOYES, PETER BARNES, GB
[71] ROTOJAR INNOVATIONS LIMITED, GB
[85] 2022-11-25
[86] 2021-05-25 (PCT/EP2021/063913)
[87] (WO2021/239735)
[30] GB (2008026.3) 2020-05-28

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[13] A1
[51] **Int.Cl. G07C 9/10 (2020.01) G07C 9/25 (2020.01) G08B 21/18 (2006.01)**
[25] EN
[54] **INTELLIGENT INTEGRATED SECURITY SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE SECURITE INTEGRES INTELLIGENTS**
[72] LEE, KWON-JIN, KR
[71] INCHEONINTERNATIONAL AIRPORT CORPORATION, KR
[85] 2022-11-25
[86] 2021-05-26 (PCT/KR2021/095057)
[87] (WO2021/242081)
[30] KR (10-2020-0063602) 2020-05-27

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[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **HYDRAULIC DELIVERY OF SURGICAL IMPLANTS**
[54] **ADMINISTRATION HYDRAULIQUE D'IMPLANTS CHIRURGICAUX**
[72] LEE, IV JESTWIN EDWIN, US
[72] JENSEN, KATHRYN, US
[72] PIAZZA, MICHAEL, US
[72] TABER, TODD, US
[72] YADAV, SAUMYA DILIP, US
[72] MAGADUM, PRADEEP, US
[72] RODEHEAVER, AUSTIN XAVIER, US
[71] ALCON INC., CH
[85] 2022-11-25
[86] 2021-06-01 (PCT/IB2021/054807)
[87] (WO2021/245556)
[30] US (63/033,258) 2020-06-02

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[13] A1
[51] **Int.Cl. E04B 1/00 (2006.01) E04B 1/41 (2006.01) E04B 2/00 (2006.01) E04B 2/56 (2006.01) E04B 5/00 (2006.01) E04B 5/02 (2006.01)**
[25] EN
[54] **A BUILDING SYSTEM FOR ERECTING A BUILDING STRUCTURE**
[54] **SYSTEME DE CONSTRUCTION SERVANT A L'ERECTION D'UNE STRUCTURE DE BATIMENT**
[72] LIM, MATAKII, AU
[71] NXT BUILDING SYSTEM PTY LTD, AU
[85] 2022-11-25
[86] 2021-05-24 (PCT/AU2021/050487)
[87] (WO2021/237275)
[30] AU (2020901731) 2020-05-27

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[13] A1
[51] **Int.Cl. A61K 31/4523 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01)**
[25] EN
[54] **METHODS OF IMPROVING RETINA-ASSOCIATED DISEASE OUTCOME USING CCR3-INHIBITORS**
[54] **PROCEDES D'AMELIORATION DU RESULTAT D'UNE MALADIE ASSOCIEE A LA RETINE A L'AIDE D'INHIBITEURS DE CCR3**
[72] SIKORSKI, BARTOSZ, PL
[72] JEFFORDS, ELIZABETH W., US
[72] NEWMAN, ERIN MCCASKILL, US
[72] POWELL, JESSICA A., US
[72] RAWNER, ESTHER, US
[71] ALKAHEST, INC., US
[85] 2022-11-25
[86] 2021-06-09 (PCT/US2021/036641)
[87] (WO2021/252647)
[30] US (63/037,970) 2020-06-11
[30] US (63/040,345) 2020-06-17

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[13] A1
[51] **Int.Cl. A61F 5/01 (2006.01) B33Y 50/00 (2015.01)**
[25] EN
[54] **ORTHOSIS FOR A LOWER EXTREMITY OF A WEARER**
[54] **ORTHESE CONCUE POUR UNE EXTREMITE INFERIEURE D'UN PORTEUR**
[72] GUTTLER, INGO, DE
[72] HENZLER, JENS, DE
[72] MITSCHKE, MATTHIAS, DE
[72] SCHRAEDER, THEODOR, DE
[72] SCHAFRAN, TOMMY, DE
[71] CO12 GMBH, DE
[85] 2022-11-25
[86] 2021-05-31 (PCT/EP2021/064545)
[87] (WO2021/245026)
[30] DE (10 2020 115 001.6) 2020-06-05

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[13] A1
[51] **Int.Cl. B21B 1/34 (2006.01)**
[25] EN
[54] **METHOD AND EQUIPMENT FOR COOLING ON A REVERSING HOT ROLLING MILL**
[54] **PROCEDE ET EQUIPEMENT DE REFROIDISSEMENT SUR UN LAMINOIR REVERSIBLE A CHAUD**
[72] DUHOUX, VINCENT, FR
[72] GUIGLIONDA, GILLES, FR
[72] BERNES, ROMAIN-FABRICE, FR
[72] MAGNIN, BRUNO, FR
[72] DEDA, ERIN, US
[72] UNTERFINGER, XAVIER, FR
[72] EVANS, JOHN M, US
[72] GILMORE, TREVOR, US
[71] CONSTELLIUM NEUF-BRISACH, FR
[71] CONSTELLIUM MUSCLE SHOALS LLC, US
[85] 2022-11-25
[86] 2021-06-02 (PCT/FR2021/051002)
[87] (WO2021/245355)
[30] US (63/034,845) 2020-06-04
[30] FR (FR2007191) 2020-07-07
[30] FR (FR2012174) 2020-11-26

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[13] A1
[51] **Int.Cl. H01R 13/52 (2006.01) H01R 24/76 (2011.01) H01R 24/78 (2011.01) H01R 13/639 (2006.01) H01R 13/73 (2006.01) H01R 25/00 (2006.01)**
[25] EN
[54] **WALL-MOUNTED ELECTRICAL-CONNECTOR-ENGAGING ASSEMBLY WITH QUICK INSTALLATION FEATURES**
[54] **ENSEMBLE MURAL D'ENGAGEMENT DE CONNECTEUR ELECTRIQUE AVEC FONCTIONS D'INSTALLATION RAPIDE**
[72] LIU, DREW SYING, US
[71] LIU, DREW SYING, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034293)
[87] (WO2021/242885)
[30] US (63/030,571) 2020-05-27

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[13] A1
[51] **Int.Cl. B60L 53/10 (2019.01) B60L 53/14 (2019.01) B60L 53/50 (2019.01) B60L 53/57 (2019.01) B60L 53/62 (2019.01) B60L 53/68 (2019.01)**
[25] EN
[54] **CHARGING POLE**
[54] **COLONNE DE CHARGE**
[72] SOHL, ALEXANDER, DE
[72] ADLER, INES, DE
[71] ME ENERGY GMBH, DE
[85] 2022-11-25
[86] 2021-06-01 (PCT/EP2021/064682)
[87] (WO2021/245085)
[30] DE (10 2020 114 677.9) 2020-06-02

[21] **3,180,408**
[13] A1
[51] **Int.Cl. G01R 19/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING GREENHOUSE GAS EMISSION REDUCTIONS AND CARBON EMISSION REDUCTION CREDITS**
[54] **SYSTEMES ET PROCEDES POUR L'IDENTIFICATION DE REDUCTIONS D'EMISSION DE GAZ A EFFET DE SERRE ET DE CREDITS DE REDUCTION D'EMISSION DE CARBONE**
[72] SNOOK, W. ALAN, US
[72] DHALIWAL, JAGTAR S., CA
[71] GRID20/20, INC., US
[85] 2022-11-25
[86] 2020-06-17 (PCT/US2020/038195)
[87] (WO2021/242282)
[30] US (16/883,984) 2020-05-26

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[13] A1
[51] **Int.Cl. A24F 40/485 (2020.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] SCHENNUM, STEVEN MICHAEL, US
[72] CHEN, PING-CHOU, GB
[72] NETTENSTROM, MATTHEW JOEL, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-11-25
[86] 2021-05-27 (PCT/IB2021/054665)
[87] (WO2021/240444)
[30] US (63/032,153) 2020-05-29

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[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **FLOW CONTROL DEVICE**
[54] **DISPOSITIF DE REGULATION DE DEBIT**
[72] KRISTENSEN, KIM, NO
[72] GRANAT, LEIF, SE
[71] BIO MEDICAL DEVICE AS, NO
[85] 2022-11-25
[86] 2021-06-11 (PCT/EP2021/065790)
[87] (WO2021/250243)
[30] GB (2008992.6) 2020-06-12

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **METHODS OF USING RHO KINASE INHIBITORS TO TREAT VASCULAR DEMENTIA**
[54] **METHODES D'UTILISATION D'INHIBITEURS DE LA KINASE ASSOCIEE A RHO POUR TRAITER LA DEMENCE VASCULAIRE**
[72] MACALLISTER, THOMAS, US
[72] JACOBSON, SVEN, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
[85] 2022-11-25
[86] 2021-01-08 (PCT/US2021/012590)
[87] (WO2021/257122)
[30] US (63/039,141) 2020-06-15
[30] US (63/046,173) 2020-06-30

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[13] A1
[51] **Int.Cl. E21F 17/18 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR REAL-TIME MONITORING OF STRESS CHANGES IN AN EXCAVATION**
[54] **PROCEDE, SYSTEME ET PRODUIT-PROGRAMME INFORMATIQUE DESTINES A SURVEILLER EN TEMPS REEL LES CHANGEMENTS DE CONTRAINTES DANS UNE EXCAVATION**
[72] UOTINEN, LAURI, FI
[71] AALTO UNIVERSITY FOUNDATION SR, FI
[85] 2022-11-25
[86] 2021-05-26 (PCT/FI2021/050377)
[87] (WO2021/240063)
[30] FI (20205536) 2020-05-26

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[13] A1
[51] **Int.Cl. B63H 1/28 (2006.01) B63H 5/16 (2006.01) B63H 25/38 (2006.01)**
[25] EN
[54] **ARRANGEMENT TO REDUCE A PROPULSION POWER REQUIREMENT OF A WATERCRAFT**
[54] **DISPOSITIF PERMETTANT DE REDUIRE LA DEMANDE DE PUISSANCE DE PROPULSION D'UN VEHICULE MARIN**
[72] KUHLMANN, HENNING, DE
[71] BECKER MARINE SYSTEMS GMBH, DE
[85] 2022-11-25
[86] 2021-05-28 (PCT/EP2021/064380)
[87] (WO2021/239963)
[30] EP (20177194.6) 2020-05-28

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[13] A1
[51] **Int.Cl. E21B 29/02 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL**
[54] **OUTIL DE FOND DE TROU**
[72] DELGADO, CARLOS J., NO
[72] HEMMINGSEN, PAL VIGGO, NO
[72] BUGTEN, BJARNE, NO
[72] FATHI, MARCUS, NO
[72] BJORGUM, ASTRID, NO
[72] NILSEN, NILS-INGE, NO
[71] INNOVATION ENERGY AS, NO
[85] 2022-11-25
[86] 2021-05-26 (PCT/NO2021/050135)
[87] (WO2021/242115)
[30] US (16/885,207) 2020-05-27

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[13] A1
[51] **Int.Cl. E21B 33/134 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A WELLBORE**
[54] **PROCEDE DE PREPARATION D'UN PUITS DE FORAGE**
[72] DELGADO, CARLOS J., NO
[71] INNOVATION ENERGY AS, NO
[85] 2022-11-25
[86] 2021-05-26 (PCT/NO2021/050134)
[87] (WO2021/242114)
[30] NO (20200624) 2020-05-27

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[13] A1
[51] **Int.Cl. G06F 30/13 (2020.01) E21C 41/00 (2006.01) E21C 41/16 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR A REAL-TIME ESTIMATION OF RISK IN AN EXCAVATION**
[54] **PROCEDE, SYSTEME ET PRODUIT-PROGRAMME D'ORDINATEUR POUR UNE ESTIMATION DE RISQUE EN TEMPS REEL DANS UNE EXCAVATION**
[72] UOTINEN, LAURI, FI
[72] JANISZEWSKI, MATEUSZ, FI
[72] MISHRA, RITESH, FI
[71] AALTO UNIVERSITY FOUNDATION SR, FI
[85] 2022-11-25
[86] 2021-05-26 (PCT/FI2021/050376)
[87] (WO2021/240062)
[30] FI (20205537) 2020-05-26

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[13] A1
[51] **Int.Cl. C07D 207/16 (2006.01)**
[25] EN
[54] **SYNTHESIS OF (2S,5R)-5-(2-CHLOROPHENYL)-1-(2'-METHOXY-[1,1'-BIPHENYL]-4-CARBONYL)PYRROLIDINE-2-CARBOXYLIC ACID**
[54] **SYNTHESE D'ACIDE (2S,5R)-5-(2-CHLOROPHENYL)-1-(2'-METHOXY-[1,1'-BIPHENYL]-4-CARBONYL)PYRROLIDINE-2-CARBOXYLIQUE**
[72] DUTHEUIL, GUILLAUME, BE
[71] EPICS THERAPEUTICS, BE
[85] 2022-11-25
[86] 2021-06-10 (PCT/EP2021/065629)
[87] (WO2021/250174)
[30] EP (20179195.1) 2020-06-10

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[13] A1
[25] EN
[54] **ROLE-BASED ASSET TAGGING FOR QUANTIFICATION AND REPORTING OF ASSET PERFORMANCE**
[54] **MARQUAGE D'ACTIFS BASE SUR LE ROLE POUR LA QUANTIFICATION ET LE RAPPORT DE PERFORMANCES D'ACTIFS**
[72] ALAYAMANI, ARUN PRASAD, IN
[72] DECLERK, ALLEN J., US
[72] BRICKNER, CHAD TIMOTHY, US
[72] HANAUER, NICHOLAS ADAM, US
[72] VARMAN, CHETNA, IN
[72] SELVARAJ, VISHNU GAURAV, IN
[72] NOON, TIMOTHY EDWARD, US
[72] SPURGEON, ERIC J., US
[72] BOMER, BRADLEY K., US
[72] DEVIREDDY, UMASRI, IN
[71] CATERPILLAR INC., US
[85] 2022-11-25
[86] 2021-03-05 (PCT/US2021/021093)
[87] (WO2021/247111)
[30] US (16/889,569) 2020-06-01

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[13] A1
[51] **Int.Cl. B01D 15/00 (2006.01) C07C 7/13 (2006.01) C07C 41/36 (2006.01)**
[25] FR
[54] **PURIFICATION OF AROMATIC LIQUIDS**
[54] **PURIFICATION DE LIQUIDES AROMATIQUES**
[72] BLANC, JEROME, FR
[72] MONGUILLON, BERNARD, FR
[72] BOUVIER, LUDIVINE, FR
[72] RAVON, UGO, FR
[71] ARKEMA FRANCE, FR
[85] 2022-11-25
[86] 2021-07-08 (PCT/FR2021/051267)
[87] (WO2022/008846)
[30] FR (FR2007312) 2020-07-10

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[13] A1
[51] **Int.Cl. A23G 9/34 (2006.01) A23L 27/30 (2016.01) A23L 33/125 (2016.01) A23L 33/20 (2016.01)**
[25] EN
[54] **FROZEN DESSERT COMPOSITIONS COMPRISING ALLULOSE AND LOW-SUGAR SYRUP/SOLIDS**
[54] **COMPOSITIONS DE DESSERT GLACE COMPRENANT DU SIROP/DES MATIERES SECHES D'ALLULOSE ET A FAIBLE TENEUR EN SUCRE**
[72] BELFORD, ANDREA, US
[72] ICOZ, DIDEM, US
[71] CORN PRODUCTS DEVELOPMENT INC., US
[85] 2022-11-25
[86] 2021-06-01 (PCT/US2021/035149)
[87] (WO2021/247503)
[30] US (63/033,580) 2020-06-02

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[13] A1
[51] **Int.Cl. E05B 17/00 (2006.01) E05B 17/04 (2006.01) E05B 17/20 (2006.01) E05C 1/04 (2006.01) E05B 77/44 (2014.01) E05B 85/06 (2014.01)**
[25] FR
[54] **LOCK COMPRISING A SLIDER WHICH IS FLUSH RELATIVE TO A SOLE PLATE PROVIDED WITH A RECESS FOR RECEIVING A TRANSLATION STOP OF THE SLIDER**
[54] **VERROU COMPRENANT UN COULISSEAU A FLEUR PAR RAPPORT A UNE SEMELLE POURVUE D'UN EVIDEMENT POUR RECEVOIR UNE BUTEE DE TRANSLATION DU COULISSEAU**
[72] NAUDET, JAMES, FR
[71] IMC CREATIONS, FR
[85] 2022-11-25
[86] 2021-06-21 (PCT/EP2021/066838)
[87] (WO2021/259859)
[30] FR (FR2006711) 2020-06-26

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[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED STAGING AND CAPTURE OF REAL ESTATE NEGOTIATIONS**
[54] **SYSTEMES ET PROCEDES POUR L'ORGANISATION ET LA CAPTURE AUTOMATISEES DE NEGOCIATIONS IMMOBILIERES**
[72] CHEN, CHRISTIANNE, US
[72] JACKSON, CHRISTINA, US
[72] BRANDT, TIM, US
[72] IBRAHIM, SYED, US
[72] CISLO, KENDRA, US
[72] STOCK, ERIK, US
[71] PROLOGIS, L.P., US
[85] 2022-11-25
[86] 2020-07-07 (PCT/US2020/041084)
[87] (WO2021/257103)
[30] US (16/903,288) 2020-06-16

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[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/573 (2006.01) A61K 31/58 (2006.01) A61K 31/661 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT USING ICAM-MODULATING AGENTS**
[54] **METHODES DE TRAITEMENT FAISANT APPEL A DES AGENTS DE MODULATION D'ICAM**
[72] DEISHER, THERESA, US
[72] MCKAY, SCOT WAYNE, US
[71] AVM BIOTECHNOLOGY, LLC, US
[85] 2022-11-25
[86] 2020-06-01 (PCT/US2020/035524)
[87] (WO2021/247000)

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[51] **Int.Cl. A21D 8/08 (2006.01) A23L 29/10 (2016.01) A23D 7/01 (2006.01)**
[25] EN
[54] **ORGANIC WATER-BASED RELEASE COATING**
[54] **REVETEMENT ANTIADHESIF ORGANIQUE A BASE D'EAU**
[72] ERGUN, ROJA, US
[72] CARRETTA, GINA, US
[71] VANTAGE SPECIALTY CHEMICALS, INC., US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034222)
[87] (WO2021/242841)
[30] US (63/030,282) 2020-05-26

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[51] **Int.Cl. H01M 4/134 (2010.01) H01M 4/1395 (2010.01)**
[25] EN
[54] **MICROCOMPOSITE ALLOY STRUCTURE**
[54] **STRUCTURE D'ALLIAGE MICROCOMPOSITE**
[72] HOLMAN, RICHARD K., US
[72] NATION, LEAH, US
[71] 6K INC., US
[85] 2022-11-25
[86] 2021-06-22 (PCT/US2021/070749)
[87] (WO2021/263273)
[30] US (63/043,958) 2020-06-25

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[51] **Int.Cl. C08J 3/075 (2006.01) A61L 27/50 (2006.01) C08L 33/14 (2006.01) C08L 33/24 (2006.01) C08L 101/02 (2006.01) C12N 11/04 (2006.01)**
[25] EN
[54] **IN SITU GELLING ZWITTERIONIC HYDROGEL COMPOSITIONS, AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'HYDROGEL ZWITTERIONIQUE A GELIFICATION IN SITU ET LEURS PROCEDES D'UTILISATION**
[72] HOARE, TODD, CA
[72] DOROGIN, JONATHAN, CA
[72] PAN, ZHICHENG, CA
[72] PRECIADO RIVERA, NAHIELI IYEIDA, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2022-11-25
[86] 2021-05-28 (PCT/CA2021/050731)
[87] (WO2021/237369)
[30] US (63/031,169) 2020-05-28

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[51] **Int.Cl. A61K 31/07 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01)**
[25] EN
[54] **TOPICAL OPHTHALMOLOGICAL COMPOSITIONS AND METHODS FOR TREATING ABNORMAL ANGIOGENESIS**
[54] **COMPOSITIONS OPHTALMOLOGIQUES TOPIQUES ET PROCEDES DE TRAITEMENT D'ANGIOGENESE ANORMALE**
[72] NI, JINSONG, US
[72] YANG, RONG, US
[71] ADS THERAPEUTICS LLC, US
[85] 2022-11-25
[86] 2021-05-11 (PCT/US2021/031780)
[87] (WO2021/247208)
[30] US (63/032,920) 2020-06-01

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[51] **Int.Cl. C08B 31/04 (2006.01) A23L 33/12 (2016.01) A61K 47/61 (2017.01) A61K 31/718 (2006.01) C08L 3/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF TRI-SUBSTITUTED STARCH AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSITIONS D'AMIDON TRISUBSTITUE ET PROCEDES DE PREPARATION ET D'UTILISATION DE TELLES COMPOSITIONS**
[72] ODORISIO, CHRISTINA, US
[72] STEWART, MARIA, US
[71] CORN PRODUCTS DEVELOPMENT INC., US
[85] 2022-11-25
[86] 2021-05-24 (PCT/US2021/033819)
[87] (WO2021/247263)
[30] US (63/034,144) 2020-06-03

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[51] **Int.Cl. F24F 11/75 (2018.01) F24F 12/00 (2006.01) F24F 13/02 (2006.01) F24F 13/068 (2006.01) F24F 13/10 (2006.01)**
[25] EN
[54] **VENTILATION SYSTEM**
[54] **SYSTEME DE VENTILATION**
[72] VROEGE, NORBERT PETER, NL
[71] GOFLOW TECHNOLOGY IP B.V., NL
[85] 2022-11-25
[86] 2021-05-28 (PCT/NL2021/050343)
[87] (WO2021/242107)
[30] NL (2025707) 2020-05-29
[30] NL (2026981) 2020-11-25

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[13] A1
[51] **Int.Cl. C08F 2/00 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **POLYOLEFIN COMPOSITIONS**
[54] **COMPOSITIONS POLYOLEFINIQUES**
[72] WILLIAMSON, ALEXANDER, US
[72] ASKAR, SHADID, US
[72] WIELICZKO, JOEL D., US
[72] DOELDER, CORNELIS F. J. DEN, NL
[72] KAPUR, MRIDULA, US
[72] HIRSEKORN, KURT F., US
[72] AUYEUNG, EVELYN, US
[72] LIU, BO, US
[72] ZANDUETA, MARIA C., AR
[72] O'BRIEN, JOHN P., US
[72] WHITED, STEPHANIE M., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] PBBPOLISUR S.R.L, AR
[85] 2022-11-25
[86] 2021-06-04 (PCT/US2021/035832)
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[30] US (63/034,484) 2020-06-04

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[51] **Int.Cl. A23L 7/104 (2016.01) A23K 10/10 (2016.01) A23K 10/38 (2016.01) A23L 33/105 (2016.01) C12P 19/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING BYPRODUCTS FROM SPENT GRAINS**
[54] **SYSTEME ET PROCEDE DE PRODUCTION DE SOUS-PRODUITS A PARTIR DE DRECHES**
[72] GEORGE, STEVE, CA
[72] MARTINEZ-VILLEGAS, RICARDO, CA
[71] TERRA BIOPLASTICS INC., CA
[85] 2022-11-25
[86] 2021-05-28 (PCT/CA2021/050724)
[87] (WO2021/237363)
[30] US (63/031,279) 2020-05-28

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[13] A1
[51] **Int.Cl. B60P 1/28 (2006.01) B60P 1/16 (2006.01)**
[25] EN
[54] **RIB-LESS HOIST STRUCTURE FOR TRUCK BODY**
[54] **STRUCTURE DE TREUIL SANS NERVURE POUR CORPS DE CAMION**
[72] ARUL, SAMUEL J., US
[71] CATERPILLAR INC., US
[85] 2022-11-25
[86] 2021-06-03 (PCT/US2021/035574)
[87] (WO2021/247784)
[30] US (16/892,997) 2020-06-04

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **METHODS OF TREATING NEURODEVELOPMENTAL DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES NEURODEVELOPPEMENTAUX**
[72] MACALLISTER, THOMAS, US
[72] JACOBSON, SVEN, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
[85] 2022-11-25
[86] 2021-01-08 (PCT/US2021/012592)
[87] (WO2021/262250)
[30] US (63/043,859) 2020-06-25

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[13] A1
[51] **Int.Cl. A01N 37/46 (2006.01) A01N 47/44 (2006.01)**
[25] EN
[54] **MEDICAL DEVICES AND MATERIALS COMPRISING BIODEGRADABLE POLYESTERS**
[54] **DISPOSITIFS MEDICAUX ET MATERIAUX COMPRENANT DES POLYESTERS BIODEGRADABLES**
[72] STENSEN, WENCHE, NO
[72] SVENDSEN, JOHN SIGURD, NO
[71] AMICOAT AS, NO
[85] 2022-11-25
[86] 2021-06-14 (PCT/EP2021/065984)
[87] (WO2021/250283)
[30] GB (2008980.1) 2020-06-12

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[51] **Int.Cl. C05F 11/08 (2006.01) A01N 63/22 (2020.01) C05G 5/10 (2020.01) C05G 5/20 (2020.01) C07K 14/32 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PLANT GROWTH PROMOTION**
[54] **COMPOSITIONS FAVORISANT LA CROISSANCE DES PLANTES**
[72] CANO, RAUL DE JESUS, US
[72] DANIELS, JUDITH M., US
[71] PALEOBIOTICA, INC., US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034825)
[87] (WO2021/243194)
[30] US (63/031,030) 2020-05-28

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[13] A1
[51] **Int.Cl. E02F 9/12 (2006.01)**
[25] EN
[54] **DETECTING RELATIVE POSITION OF SUPERSTRUCTURE AND UNDERCARRIAGE ON AN EXCAVATOR**
[54] **DETECTION DE LA POSITION RELATIVE D'UNE SUPERSTRUCTURE ET D'UN TRAIN DE ROULEMENT SUR UNE EXCAVATRICE**
[72] BITTER, MARCUS, DE
[71] CATERPILLAR GLOBAL MINING HMS GMBH, DE
[85] 2022-11-25
[86] 2021-05-19 (PCT/EP2021/025186)
[87] (WO2021/244774)
[30] GB (2008538.7) 2020-06-05

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[13] A1
[51] **Int.Cl. H04W 76/15 (2018.01)**
[25] EN
[54] **SIGNALING INFORMATION EXCHANGE METHOD AND COMMUNICATION APPARATUS IN WIRELESS LOCAL AREA NETWORK**
[54] **PROCEDE DE SIGNALISATION D'ECHANGE D'INFORMATIONS DANS UN RESEAU LOCAL SANS FIL, ET APPAREIL DE COMMUNICATION**
[72] GAN, MING, CN
[72] LIANG, DANDAN, CN
[72] YU, JIAN, CN
[72] LI, YUNBO, CN
[72] GUO, YUCHEN, CN
[72] YANG, XUN, CN
[72] LI, YIQING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-25
[86] 2021-04-29 (PCT/CN2021/091229)
[87] (WO2021/238578)
[30] CN (202010451572.7) 2020-05-25

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[13] A1
[51] **Int.Cl. E21B 34/10 (2006.01) E21B 34/08 (2006.01)**
[25] EN
[54] **TUBULAR FOR DOWNHOLE USE, A DOWNHOLE TUBULAR SYSTEM AND METHOD OF FORMING A FLUID PASSAGEWAY AT A TUBULAR FOR DOWNHOLE USE**
[54] **ELEMENT TUBULAIRE POUR UTILISATION EN FOND DE TROU, SYSTEME TUBULAIRE DE FOND DE TROU ET PROCEDE DE FORMATION D'UN PASSAGE DE FLUIDE AU NIVEAU D'UN ELEMENT TUBULAIRE POUR UTILISATION EN FOND DE TRO**
[72] EDWARDS, JASON, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-11-25
[86] 2021-06-04 (PCT/US2021/070661)
[87] (WO2021/248163)
[30] US (16/893,801) 2020-06-05

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/047 (2006.01) A61K 31/198 (2006.01) A61K 31/205 (2006.01) A61K 31/522 (2006.01) A61K 31/685 (2006.01) A61K 31/7076 (2006.01) A61K 38/46 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **BEAUTY MICRONEEDLE ARRAY**
[54] **RESEAU DE MICRO-AIGUILLES POUR SOINS ESTHETIQUES**
[72] QUAN, YING-SHU, JP
[72] KONDOU, NAOKO, JP
[72] TANAKA, HIROSHI, JP
[72] KAMIYAMA, FUMIO, JP
[71] COSMED PHARMACEUTICAL CO., LTD., JP
[85] 2022-11-25
[86] 2021-05-28 (PCT/JP2021/020330)
[87] (WO2021/246301)
[30] JP (2020-095712) 2020-06-01

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[13] A1
[51] **Int.Cl. F01L 1/18 (2006.01) F01L 1/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENGINE VALVE LASH CALIBRATION**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE DE JEU DE SOUPAPE DE MOTEUR**
[72] LU, YIFENG, US
[72] ZHANG, YANCHAI, US
[72] DONG, ZHAOXU, US
[72] PAULI, NATHAN S., US
[72] HU, XUEFEI, US
[72] NALLA, PURNA C., US
[72] YOUNG, BRIAN W., US
[72] SIEGLE, JAMES D., US
[71] CATERPILLAR INC., US
[85] 2022-11-25
[86] 2021-06-03 (PCT/US2021/035572)
[87] (WO2021/247783)
[30] US (16/894,357) 2020-06-05

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **ANTI-GD2 SADA CONJUGATES AND USES THEREOF**
[54] **CONJUGUES SADA ANTI-GD2 ET LEURS UTILISATIONS**
[72] SANTICH, BRIAN H., US
[72] CHEUNG, NAI-KONG V., US
[72] AHMED, MAHIUDDIN, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034230)
[87] (WO2021/242848)
[30] US (63/030,591) 2020-05-27

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[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01)**
[25] EN
[54] **FORMULATIONS FOR VIRAL VECTORS**
[54] **FORMULATIONS POUR VECTEURS VIRAUX**
[72] BESHEER, AHMED, CH
[72] KOST, JONAS, CH
[72] BERTHIER, EDDY, CH
[72] MAHLER, HANNS-CHRISTIAN, DE
[71] LONZA LTD, CH
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034943)
[87] (WO2021/243264)
[30] US (63/031,436) 2020-05-28

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[13] A1
[51] **Int.Cl. B60W 30/08 (2012.01) H04W 4/029 (2018.01) H04W 4/46 (2018.01) B60W 60/00 (2020.01) B60W 50/04 (2006.01) G05D 1/02 (2020.01) G08G 1/16 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE VEHICULE**
[72] ISHII, HIROTAKE, JP
[72] ISHIMOTO, HIDEFUMI, JP
[72] KIRIMURA, AKIYOSHI, JP
[71] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
[85] 2022-11-25
[86] 2021-05-11 (PCT/JP2021/017822)
[87] (WO2021/246114)
[30] JP (2020-095568) 2020-06-01

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[13] A1
[51] **Int.Cl. B01J 19/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLED DEVELOPMENT AND DELIVERY OF GAS AND LIQUID MIXTURES**
[54] **SYSTEMES ET PROCEDES DE DEVELOPPEMENT ET DE DISTRIBUTION COMMANDES DE MELANGES GAZEUX ET LIQUIDES**
[72] MILLIGAN, CHRISTOPHER BLAKE, US
[71] BLUEINGREEN LLC, US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034385)
[87] (WO2021/242943)
[30] US (63/031,940) 2020-05-29

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[13] A1
[51] **Int.Cl. E01F 15/04 (2006.01) E01F 15/12 (2006.01)**
[25] EN
[54] **A MODULAR ROAD SAFETY BARRIER AND AN EMERGENCY OPENABLE PASSAGE**
[54] **BARRIERE DE SECURITE ROUTIERE MODULAIRE ET PASSAGE POUVANT ETRE OUVERT D'URGENCE**
[72] IMPERO, PASQUALE, IT
[71] IMPERO, PASQUALE, IT
[85] 2022-11-25
[86] 2021-05-28 (PCT/IB2021/054695)
[87] (WO2021/240459)
[30] IT (102020000012871) 2020-05-29

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[13] A1
[51] **Int.Cl. B03C 1/01 (2006.01) C12M 1/00 (2006.01) G01N 1/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR NEGATIVE SELECTION OF NAIVE T AND B CELLS WITH A SINGLE ANTIBODY**
[54] **COMPOSITIONS ET PROCEDES POUR LA SELECTION NEGATIVE DE LYMPHOCYTES T ET B NAIFS AVEC UN SEUL ANTICORPS**
[72] LIBERTI, PAUL A. (DECEASED), US
[72] CHEN, QIUYAN, US
[71] BIOMAGNETIC SOLUTIONS LLC, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034817)
[87] (WO2021/243190)
[30] US (63/031,184) 2020-05-28

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRESERVING DNA METHYLATION**
[54] **COMPOSITIONS ET PROCEDES DE PRESERVATION DE LA METHYLATION DE L'ADN**
[72] MARKOWITZ, SANFORD D., US
[72] MOINOVA, HELEN, US
[72] READY, JOSEPH, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034274)
[87] (WO2021/242872)
[30] US (63/030,407) 2020-05-27
[30] US (63/172,279) 2021-04-08

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[13] A1
[51] **Int.Cl. G01N 29/24 (2006.01) G01N 29/265 (2006.01)**
[25] EN
[54] **APPARATUS FOR INSPECTING THE CONDITION OF THE PIPEWALL OF A PIPELINE**
[54] **APPAREIL D'INSPECTION DE L'ETAT DE LA PAROI D'UNE CANALISATION**
[72] KWAN, JEFFREY CHAK-FAI, CA
[72] ZHANG, HONGWEI, CA
[72] WU, RAN, CA
[72] KONG, XIANGJIE, CA
[71] PURE TECHNOLOGIES LTD., CA
[85] 2022-11-25
[86] 2021-06-02 (PCT/CA2021/050752)
[87] (WO2021/243456)
[30] US (63/033,615) 2020-06-02

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[13] A1
[51] **Int.Cl. B21D 39/04 (2006.01) B21J 7/18 (2006.01) F16L 1/20 (2006.01) F16L 1/23 (2006.01) F16L 33/01 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **FORWARD STROKE PIPE FITTING SWAGE MACHINE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE MACHINE D'EMBOUTISSAGE DE RACCORD DE TUYAU A COURSE AVANT**
[72] GREGORY, DAVID MICHAEL, US
[72] LAWRENCE, RICHARD CHARLES, US
[72] LEGER, JOHN PAUL, US
[72] LEWIS, MIKEL LEE, US
[71] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/035025)
[87] (WO2021/243305)
[30] US (16/886,503) 2020-05-28

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[13] A1
[51] **Int.Cl. C08J 5/00 (2006.01) C08J 5/18 (2006.01) C08L 27/12 (2006.01)**
[25] EN
[54] **LOW HAZE FLUOROPOLYMER FILM AND METHOD OF MAKING**
[54] **FILM EN FLUOROPOLYMERE A FAIBLE TROUBLE ET PROCEDE DE FABRICATION**
[72] MOLNAR, ATTILA, US
[72] TECHEL, ANJA, DE
[72] TSU, DAVID V., US
[72] SLAGTER, JOHN THOMAS, US
[71] THE MACKINAC TECHNOLOGY COMPANY, US
[85] 2022-11-25
[86] 2021-07-27 (PCT/US2021/043343)
[87] (WO2021/258083)

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[13] A1
[51] **Int.Cl. B42D 25/305 (2014.01) B42D 25/351 (2014.01) B42D 25/36 (2014.01) B42D 25/373 (2014.01)**
[25] EN
[54] **TRANSACTION CARDS WITH DISCONTINUOUS METAL STRATA**
[54] **CARTES DE TRANSACTION AVEC STRATES METALLIQUES DISCONTINUES**
[72] LOWE, ADAM, US
[72] ESAU, JOHN, US
[71] COMPOSECURE, LLC, US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034426)
[87] (WO2021/247353)
[30] US (63/032,911) 2020-06-01

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[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01)**
[25] EN
[54] **PURIFICATION AND EXTRACTION OF CANNABINOIDS**
[54] **PURIFICATION ET EXTRACTION DE CANNABINOIDES**
[72] LANIER, WILLIAM, US
[72] DAVIS, SCOTT, US
[71] CHEMTOR, LP, US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034396)
[87] (WO2021/242947)
[30] US (63/031,775) 2020-05-29
[30] US (17/330,504) 2021-05-26

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[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT**
[54] **SYSTEME ET METHODE DE TRAITEMENT DU SANG EXTRACORPOREL**
[72] HOBRO, STURE, SE
[72] FORSAL, INNAS, SE
[72] HANCOCK, VIKTORIA, SE
[72] NILSSON, ANDERS, SE
[71] GAMBRO LUNDIA AB, SE
[85] 2022-11-25
[86] 2021-06-01 (PCT/EP2021/064592)
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[30] SE (2050621-8) 2020-06-01

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[54] **FIRE EXTINGUISHING COMPOSITIONS FOR LARGE FIRES**
[54] **COMPOSITIONS D'EXTINCTION D'INCENDIE POUR FEUX DE GRANDE TAILLE**
[72] BREITH, DAVID, GB
[71] FIREXO COTM LIMITED, GB
[85] 2022-11-25
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[54] **STABLE FORMULATION FOR RECOMBINANT ANTI-PD-1 MONOCLONAL ANTIBODY**
[54] **FORMULATION STABLE POUR ANTICORPS MONOCLONAL ANTI-PD-1 RECOMBINANT**
[72] HU, PING, CN
[72] LIU, YAN, CN
[72] SUN, CHUNYUN, CN
[72] HUAI, QINGRU, CN
[72] TIAN, SHAOMEI, CN
[72] TAO, MINGZHEN, CN
[71] SINOCELLTECH LTD, CN
[85] 2022-11-25
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[30] CN (202010566153.8) 2020-06-19

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[54] **FIBER OPTIC CONNECTORS HAVING ONE OR MORE SECURING BUTTONS**
[54] **CONNECTEURS DE FIBRES OPTIQUES AYANT UN OU PLUSIEURS BOUTONS DE FIXATION**
[72] ISENHOUR, MICAH COLEN, US
[72] JANASZ, LUKASZ PIOTR, PL
[72] WIMMER, MICHAEL, DE
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[85] 2022-11-25
[86] 2021-05-18 (PCT/US2021/032904)
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[30] US (63/029,991) 2020-05-26
[30] US (63/082,036) 2020-09-23

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[25] EN
[54] **OUTWARD DIRECTION PIPE FITTING SWAGE MACHINE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE MACHINE D'EMBOUTISSAGE DE RACCORD DE TUYAU VERS L'EXTERIEUR**
[72] GREGORY, DAVID MICHAEL, US
[72] LAWRENCE, RICHARD CHARLES, US
[72] LEGER, JOHN PAUL, US
[72] LEWIS, MIKEL LEE, US
[71] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/035027)
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[25] EN
[54] **ULTRAHIGH-STRENGTH DUAL-PHASE STEEL AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER BIPHASE A ULTRA HAUTE RESISTANCE ET SON PROCEDE DE FABRICATION**
[72] LI, WEI, CN
[72] ZHU, XIAODONG, CN
[72] XUE, PENG, CN
[71] BAOSHAN IRON & STEEL CO., LTD, CN
[85] 2022-11-25
[86] 2021-05-25 (PCT/CN2021/095807)
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[30] CN (202010459510.0) 2020-05-27

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[25] EN
[54] **INJECTABLE COMPOSITION COMPRISING GNRH ANALOGUE**
[54] **COMPOSITION INJECTABLE COMPRENANT DES DERIVES DE GNRH**
[72] KO, JIN YOUNG, KR
[72] JUNG, SUNG BUM, KR
[72] NOH, SANG MYOUNG, KR
[72] LIM, JONG LAE, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2022-11-25
[86] 2021-06-29 (PCT/KR2021/008187)
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[30] KR (10-2020-0080621) 2020-06-30

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[25] EN
[54] **780 MPA-CLASS COLD-ROLLED AND ANNEALED DUAL-PHASE STEEL AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER BIPHASE LAMINE A FROID ET RECUIT DE QUALITE 780 MPA ET SON PROCEDE DE FABRICATION**
[72] LI, WEI, CN
[72] ZHU, XIAODONG, CN
[72] XUE, PENG, CN
[71] BAOSHAN IRON & STEEL CO., LTD, CN
[85] 2022-11-25
[86] 2021-05-25 (PCT/CN2021/095808)
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[30] CN (202010459214.0) 2020-05-27

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[25] EN
[54] **ANTI-HUMAN NR1 ANTIBODY DERIVATIVE**
[54] **DERIVE D'ANTICORPS ANTI-NR1 HUMAIN**
[72] KUBO, SATOSHI, JP
[72] KANNO, ATSUO, JP
[72] YAMAJUKU, DAISUKE, JP
[72] KITO, TAKUYA, JP
[72] MAEDA, MASASHI, JP
[72] MIHARA, TAKUMA, JP
[71] ARIALYS THERAPEUTICS, INC., US
[85] 2022-11-25
[86] 2021-05-26 (PCT/JP2021/019929)
[87] (WO2021/241616)
[30] JP (2020-092105) 2020-05-27

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[13] A1
[51] **Int.Cl. A61M 5/158 (2006.01)**
[25] EN
[54] **SHIFT-HEAD INSERTER DEVICE WITH AUTOMATIC INSERTION AND RETRACTION**
[54] **DISPOSITIF D'INSERTION A DEPLACEMENT DE TETE AVEC INSERTION ET RETRACTION AUTOMATIQUES**
[72] CARTER, MARY TERESA, US
[72] VAN DEN HEUVEL, LOUISE EMMA, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-11-25
[86] 2021-05-26 (PCT/US2021/034181)
[87] (WO2021/242813)
[30] US (63/031,044) 2020-05-28

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[51] **Int.Cl. G06F 17/40 (2006.01)**
[25] EN
[54] **INTELLIGENT SPORTS VIDEO AND DATA GENERATION FROM AI RECOGNITION EVENTS**
[54] **GENERATION INTELLIGENTE DE VIDEO ET DE DONNEES DE SPORT A PARTIR D'EVENEMENT DE RECONNAISSANCE D'IA**
[72] NEAR, WILLIAM G., US
[72] EVANS, JASON W., US
[71] HELIOS SPORTS, INC., US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034609)
[87] (WO2021/243074)
[30] US (63/030,688) 2020-05-27

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[51] **Int.Cl. A62B 18/02 (2006.01) A62B 18/08 (2006.01)**
[25] EN
[54] **DEVICES FOR PREVENTING INHALATION OF, EXPOSURE TO, AIRBORNE MATERIAL**
[54] **DISPOSITIFS POUR EMPECHER L'INHALATION ET L'EXPOSITION AUX MATERIAUX EN SUSPENSION DANS L'AIR**
[72] DUVAL, LANDON, US
[71] DUVAL, LANDON, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034822)
[87] (WO2021/247403)
[30] US (63/032,907) 2020-06-01
[30] US (63/037,958) 2020-06-11

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[25] EN
[54] **SYSTEM AND METHOD FOR A MULTI-CHAMBER BIOMASS REACTOR**
[54] **SYSTEME ET PROCEDE POUR UN REACTEUR DE BIOMASSE A CHAMBRES MULTIPLES**
[72] MOHAN, VIDYUT, US
[72] KUNG, KEVIN, US
[71] TAKACHAR LIMITED, US
[85] 2022-11-25
[86] 2021-05-27 (PCT/US2021/034519)
[87] (WO2021/243022)
[30] US (63/030,861) 2020-05-27
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[25] EN
[54] **MARKERS AND CELLULAR ANTECEDENTS OF RHEUMATOID ARTHRITIS FLARES**
[54] **MARQUEURS ET ANTECEDENTS CELLULAIRES DE CRISES D'ARTHRITE RHUMATOIDE**
[72] DARNELL, ROBERT B., US
[72] ORANGE, DANA, US
[72] TROYANSHAYA, OLGA G., US
[72] YAO, VICKY, US
[71] THE ROCKEFELLER UNIVERSITY, US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034799)
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[25] EN
[54] **ANTIBODY THERAPIES FOR SARS-COV-2 INFECTION**
[54] **THERAPIES A BASE D'ANTICORPS CONTRE UNE INFECTION A SARS-COV-2**
[72] ALEXANDER, ELIZABETH, US
[72] YEH, WENDY, US
[72] PANG, PHILLIP S., US
[72] HONG, DAVID, US
[72] CONNOLLY, LYNN E., US
[72] MOGALIAN, ERIK, US
[72] SAGER, JENNIFER, US
[72] SMITHEY, MEGAN, US
[71] VIR BIOTECHNOLOGY, INC., US
[85] 2022-11-25
[86] 2021-06-11 (PCT/US2021/036979)
[87] (WO2021/252878)
[30] US (63/038,738) 2020-06-12
[30] US (63/066,966) 2020-08-18
[30] US (63/141,430) 2021-01-25
[30] US (63/159,404) 2021-03-10
[30] US (63/186,055) 2021-05-07
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[51] **Int.Cl. A01G 13/06 (2006.01)**
[25] EN
[54] **FROST PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LE GEL**
[72] SCHMIDT, ALEXANDER, BE
[71] FROLIGHT BV, BE
[85] 2022-11-25
[86] 2021-05-07 (PCT/IB2021/000312)
[87] (WO2022/023810)
[30] BE (BE2020/5549) 2020-07-27

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[13] A1
[51] **Int.Cl. D21C 11/10 (2006.01) D21C 11/12 (2006.01) F23J 1/02 (2006.01) F23J 1/06 (2006.01) F23J 1/08 (2006.01)**
[25] EN
[54] **SMELT SPOUT CLEANING ASSEMBLY**
[54] **ENSEMBLE DE NETTOYAGE DE BEC DE COULEE**
[72] ERIKSSON, MIKAEL, SE
[72] YOUSSEF, SIMON F, US
[72] CLAY, JOSEPH, US
[71] THE BABCOCK & WILCOX COMPANY, US
[85] 2022-11-25
[86] 2021-05-28 (PCT/US2021/034695)
[87] (WO2021/243112)
[30] US (63/031,172) 2020-05-28
[30] US (17/332,894) 2021-05-27

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[13] A1
[51] **Int.Cl. A01N 25/10 (2006.01) A01N 43/653 (2006.01) A01N 51/00 (2006.01) A01N 53/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR USE IN GLUED-WOOD PRODUCTS**
[54] **PROCEDES ET COMPOSITIONS DESTINES A ETRE UTILISES DANS DES PRODUITS EN BOIS COLLES**
[72] ROWSE, CHRISTOPHER EDMOND, NZ
[72] DAY, KRISTINA MAREE, NZ
[72] HAYWARD, PETER JAMES, NZ
[72] MOLLOY, CHRISTOPHER, NZ
[72] SIRAA, ANDRE FREDERIK, NZ
[72] FOGGO, STEVEN JOHN, NZ
[72] KUMAR, HEMANT, NZ
[71] ARXADA AG, CH
[85] 2022-11-28
[86] 2021-06-28 (PCT/EP2021/067747)
[87] (WO2021/260230)
[30] EP (20182504.9) 2020-06-26

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[51] **Int.Cl. A01N 43/653 (2006.01) B05D 7/00 (2006.01) B27K 3/00 (2006.01) B27K 3/52 (2006.01) B27N 1/00 (2006.01) B32B 3/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR USE IN GLUED-WOOD PRODUCTS**
[54] **PROCEDES ET COMPOSITIONS DESTINES A ETRE UTILISES DANS DES PRODUITS EN BOIS COLLE**
[72] ENGLAND, KRISTINA MAREE, NZ
[72] MOLLOY, CHRISTOPHER, NZ
[72] SIRAA, ANDRE FREDERIK, NZ
[71] ARXADA AG, CH
[85] 2022-11-28
[86] 2021-06-28 (PCT/EP2021/067726)
[87] (WO2021/260229)
[30] EP (20182508.0) 2020-06-26

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/515 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **FORMULATION COMPRISING DAPRODUSTAT**
[54] **FORMULATION COMPRENANT DU DAPRODUSTAT**
[72] CHATTORAJ, SAYANTAN, US
[72] CROY, SCOTT RYAN, US
[72] MCLEOD, JAMES ANDERSON, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2022-11-28
[86] 2021-06-17 (PCT/EP2021/066386)
[87] (WO2021/255159)
[30] US (63/041,403) 2020-06-19
[30] US (63/043,292) 2020-06-24

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[51] **Int.Cl. A61C 5/42 (2017.01)**
[25] FR
[54] **ENDODONTIC INSTRUMENT, IN PARTICULAR FOR REAMING A ROOT CANAL**
[54] **INSTRUMENT ENDODONTIQUE, NOTAMMENT POUR L'ALESAGE D'UN CANAL RADICULAIRE**
[72] ROSATO, GIANLUCA, CH
[72] WINKEL, YANN, CH
[72] VALLOTTON, PAUL-HENRI, CH
[72] BREGUET, OLIVIER, CH
[71] FKG DENTAIRE SARL, CH
[85] 2022-11-28
[86] 2021-05-26 (PCT/IB2021/054580)
[87] (WO2021/240387)
[30] CH (00645/20) 2020-05-29

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[51] **Int.Cl. A61F 9/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO FLUID DELIVERY DEVICES**
[54] **AMELIORATIONS APPORTEES ET/OU SE RAPPORTANT A DES DISPOSITIFS DE DISTRIBUTION DE FLUIDE**
[72] BACON, RAYMOND JOHN, GB
[72] HALL, BENJAMIN PETER, GB
[71] DISPENSER TECHNOLOGIES LIMITED, GB
[85] 2022-11-28
[86] 2021-06-11 (PCT/GB2021/051462)
[87] (WO2021/250426)
[30] GB (2008867.0) 2020-06-11

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[13] A1
[51] **Int.Cl. G06Q 50/10 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD, AND APPARATUS FOR DATA COLLECTION AND AGGREGATION**
[54] **SYSTEME, PROCEDE ET APPAREIL DE COLLECTE ET D'AGREGATION DE DONNEES**
[72] HUANG, LUNG, US
[72] KEYLOCK, MATTHEW, GB
[72] SUDAKOV, LEONID, US
[71] MARS, INC., US
[85] 2022-11-28
[86] 2021-06-14 (PCT/US2021/037241)
[87] (WO2021/253004)
[30] US (63/038,568) 2020-06-12

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/24 (2006.01)**
[25] EN
[54] **FORMULATIONS**
[54] **FORMULATIONS**
[72] CONN, IAN PAUL, GB
[72] DAVIES, MARK ROBERT, GB
[72] FUEYO, JOSE MARIA, GB
[72] HEAFIELD, JOANNE, GB
[72] SHREEVES, TREVOR MARTIN, GB
[71] VIIV HEALTHCARE COMPANY, US
[85] 2022-11-28
[86] 2021-06-23 (PCT/IB2021/055535)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61B 5/0215 (2006.01) A61N 1/00 (2006.01) A61N 1/05 (2006.01) A61N 1/32 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATING CANCER BY SPLANCHNIC NERVE STIMULATION**
[54] **DISPOSITIFS ET METHODES DE TRAITEMENT DU CANCER PAR STIMULATION DU NERF SPLANCHNIQUE**
[72] NEELY, RYAN, US
[72] MAHARBIZ, MICHEL M., US
[72] CARMENA, JOSE M., US
[71] IOTA BIOSCIENCES, INC., US
[85] 2022-11-28
[86] 2021-06-04 (PCT/US2021/035923)
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[30] US (63/034,604) 2020-06-04

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 31/498 (2006.01) A61K 31/5575 (2006.01) A61K 45/06 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **OPHTHALMIC NANOEMULSION COMPOSITIONS**
[54] **COMPOSITIONS DE NANOEMULSION OPHTALMIQUE**
[72] BHALERAO, HEMANT HANUMANT, IN
[72] CHANDRAN, SAJEEV, IN
[71] LUPIN LIMITED, IN
[85] 2022-11-28
[86] 2021-05-26 (PCT/IB2021/054560)
[87] (WO2021/240376)
[30] IN (202021022222) 2020-05-27

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[51] **Int.Cl. E01F 15/08 (2006.01) E01F 15/04 (2006.01)**
[25] EN
[54] **A MODULE OF A ROAD SAFETY BARRIER AND A METHOD FOR REALISING THE MODULE**
[54] **MODULE D'UNE BARRIERE DE SECURITE ROUTIERE ET PROCEDE DE REALISATION DU MODULE**
[72] IMPERO, PASQUALE, IT
[71] IMPERO, PASQUALE, IT
[85] 2022-11-28
[86] 2021-05-31 (PCT/IB2021/054754)
[87] (WO2021/240482)
[30] IT (102020000012877) 2020-05-29

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[51] **Int.Cl. C08K 5/20 (2006.01) C08K 5/134 (2006.01) C08K 5/524 (2006.01) C08K 5/527 (2006.01) C08L 23/14 (2006.01) C08K 5/521 (2006.01) C08K 5/523 (2006.01)**
[25] EN
[54] **CLEAR POLYPROPYLENE COMPOSITION FOR THERMOFORMING**
[54] **COMPOSITION DE POLYPROPYLENE TRANSPARENT POUR THERMOFORMAGE**
[72] BURMASTER, DOUGLAS, US
[72] AZZI, JOACHIM, US
[72] MCDONALD, RUSSELL, US
[71] FINA TECHNOLOGY, INC., US
[85] 2022-11-28
[86] 2021-06-30 (PCT/US2021/039749)
[87] (WO2022/006196)
[30] US (63/046,491) 2020-06-30

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[51] **Int.Cl. A61K 9/51 (2006.01) A61P 35/00 (2006.01) C07K 14/32 (2006.01) C07K 14/435 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY-BOUND NANOPARTICLES**
[54] **NANOPARTICULES LIEES A UN ANTICORPS**
[72] UEDA, GEORGE, US
[72] LAZAROVITS, JAMES, US
[72] FALLAS, JORGE, US
[72] BAKER, DAVID, US
[72] RUOHOLA-BAKER, HANNELE, US
[72] DIVINE, ROBERT, US
[72] ZHAO, YAN (BLAIR) TING, US
[72] MATHIEU, JULIE, US
[72] KING, NEIL P., US
[72] TOOLEY, MARTI RAE, US
[71] UNIVERSITY OF WASHINGTON, US
[85] 2022-11-28
[86] 2021-06-07 (PCT/US2021/036117)
[87] (WO2021/252327)
[30] US (63/036,062) 2020-06-08
[30] US (63/085,351) 2020-09-30
[30] US (63/088,586) 2020-10-07
[30] US (63/088,576) 2020-10-07

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/5365 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **DISPERSIBLE TABLET FORMULATIONS COMPRISING DOLUTEGRAVIR**
[54] **FORMULATIONS DE COMPRIMES DISPERSIBLES COMPRENANT DU DOLUTEGRAVIR**
[72] CONN, IAN PAUL, GB
[72] DAVIES, MARK ROBERT, GB
[72] HEAFIELD, JOANNE, GB
[72] HOLTON, MICHAEL, GB
[72] MORTIMER, NEIL, GB
[71] VIIV HEALTHCARE COMPANY, US
[85] 2022-11-28
[86] 2021-06-23 (PCT/IB2021/055533)
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[30] GB (2009684.8) 2020-06-25

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[13] A1
[51] **Int.Cl. D21D 1/30 (2006.01)**
[25] EN
[54] **BLADE SEGMENT FOR REFINER**
[54] **SEGMENT DE LAME POUR RAFFINEUR**
[72] LOIJAS, MARKO, FI
[72] KAARINEVA, MATTI, FI
[71] VALMET TECHNOLOGIES OY, FI
[85] 2022-11-28
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[87] (WO2021/250320)
[30] FI (20205607) 2020-06-12

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[13] A1
[51] **Int.Cl. G06F 30/10 (2020.01)**
[25] EN
[54] **SYSTEM FOR PROCEDURAL GENERATION OF BRAID REPRESENTATIONS IN A COMPUTER IMAGE GENERATION SYSTEM**
[54] **SYSTEME DE GENERATION PROCEDURALE DE REPRESENTATIONS DE TRESSE DANS UN SYSTEME DE GENERATION D'IMAGE INFORMATIQUE**
[72] GOURMEL, OLIVIER, NZ
[72] SELVA, PAOLO, NZ
[71] WETA DIGITAL LIMITED, NZ
[71] GOURMEL, OLIVIER, NZ
[71] SELVA, PAOLO, NZ
[85] 2022-11-28
[86] 2020-12-01 (PCT/NZ2020/050163)
[87] (WO2021/242120)
[30] US (63/032,413) 2020-05-29
[30] US (17/098,203) 2020-11-13

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[13] A1
[51] **Int.Cl. F16L 3/223 (2006.01) F16L 3/202 (2006.01)**
[25] EN
[54] **TENSION MOUNT IMPROVEMENTS**
[54] **AMELIORATIONS DE SUPPORT DE TENSION**
[72] THREADGOLD, WILLIAM TREVOR, AU
[71] AIR DIFFUSION AGENCIES PTY LTD, AU
[85] 2022-11-28
[86] 2021-06-30 (PCT/AU2021/000042)
[87] (WO2022/000016)
[30] AU (2020902257) 2020-07-02

[21] **3,180,552**
[13] A1
[51] **Int.Cl. E06B 1/34 (2006.01)**
[25] EN
[54] **APPARATUS FOR COVERING A DOOR FRAME AND A DOOR SLAB PERIMETER**
[54] **APPAREIL SERVANT A RECOUVRIR UN CADRE DE PORTE ET UN PERIMETRE DE PLAQUE DE PORTE**
[72] PETROVIC, ZELIJKO, CA
[71] PETROVIC, ZELIJKO, CA
[85] 2022-11-28
[86] 2021-05-27 (PCT/CA2021/050715)
[87] (3180552)
[30] US (63/031,394) 2020-05-28

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[13] A1
[51] **Int.Cl. C07K 14/165 (2006.01)**
[25] EN
[54] **ENGINEERED CORONAVIRUS SPIKE (S) PROTEIN AND METHODS OF USE THEREOF**
[54] **PROTEINE DE SPICULE (S) DE CORONAVIRUS GENETIQUEMENT MODIFIEE ET SES PROCEDES D'UTILISATION**
[72] MCLELLAN, JASON, US
[72] MAYNARD, JENNIFER, US
[72] CHASSE, ANDREA, US
[72] FINKELSTEIN, ILYA, US
[72] JAVANMARDI, MOHAMMAD, US
[72] SCHAUB, JEFFREY, US
[72] KUO, HUNG-CHE, US
[72] CHOU, CHIA-WEI, US
[72] GOLDSMITH, JORY, US
[72] HJORTH, CHRISTY, US
[72] HSIEH, CHING-LIN, US
[72] BYRNE, PATRICK, US
[72] JOHNSON, NICOLE, US
[72] WANG, NIANSHUANG, US
[72] WRAPP, DANIEL, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2022-11-28
[86] 2021-05-28 (PCT/US2021/034713)
[87] (WO2021/243122)
[30] US (63/032,502) 2020-05-29

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[13] A1
[51] **Int.Cl. A61P 31/14 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **NEUTRALIZING ANTIBODIES AGAINST SARS-RELATED CORONAVIRUS**
[54] **ANTICORPS NEUTRALISANTS CONTRE LE CORONAVIRUS ASSOCIE AU SARS**
[72] BECKER, STEPHAN, DE
[72] GRULL, HENNING, DE
[72] KLEIN, FLORIAN, DE
[72] KREER, CHRISTOPH, DE
[72] ZEHNER, MATTHIAS, DE
[71] UNIVERSITAT ZU KOLN, DE
[71] PHILIPPS-UNIVERSITAT MARBURG, DE
[85] 2022-11-28
[86] 2021-05-28 (PCT/EP2021/064326)
[87] (WO2021/239935)
[30] EP (20177354.6) 2020-05-29
[30] EP (20182325.9) 2020-06-25
[30] EP (20213562.0) 2020-12-11

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) C12N 15/113 (2010.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01) C12N 15/10 (2006.01) C12N 15/19 (2006.01) C12N 15/41 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **ENCAPSULATED RNA REPLICONS AND METHODS OF USE**
[54] **REPLICONS D'ARN ENCAPSULES ET PROCEDES D'UTILISATION**
[72] LERNER, LORENA, US
[72] KENNEDY, EDWARD M., US
[72] LEE, JENNIFER S., US
[71] ONCORUS, INC., US
[85] 2022-11-28
[86] 2021-05-28 (PCT/US2021/034787)
[87] (WO2021/243172)
[30] US (63/032,000) 2020-05-29

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[13] A1
[51] **Int.Cl. D04C 1/12 (2006.01) D04C 1/02 (2006.01)**
[25] EN
[54] **BRAIDED JACKETS WITH LOW THICKNESS**
[54] **CHEMISES TRESSEES A FAIBLE EPAISSEUR**
[72] SLOAN, FORREST, US
[72] COFFEY, PATRICK, US
[71] KURARAY CO., LTD., JP
[85] 2022-11-28
[86] 2021-06-25 (PCT/US2021/039061)
[87] (WO2021/263086)
[30] US (63/044,418) 2020-06-26

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01)**
[25] EN
[54] **ADMINISTRATION OF CEBP-BETA ANTAGONIST AND METHODS OF USE**
[54] **ADMINISTRATION D'ANTAGONISTE DE CEBP-BETA ET METHODES D'UTILISATION**
[72] KAPPEL, BARRY JAY, US
[72] MERUTKA, GENE, US
[72] ROTOLO, JIMMY ANDREW, US
[72] MICHEL, ROBERT E., US
[72] BEXON, ALICE SUSANNAH, US
[71] SAPIENCE THERAPEUTICS, INC., US
[85] 2022-11-28
[86] 2021-06-21 (PCT/US2021/038264)
[87] (WO2021/262604)
[30] US (63/041,989) 2020-06-21
[30] US (63/041,986) 2020-06-21
[30] US (63/041,991) 2020-06-21
[30] US (63/041,988) 2020-06-21
[30] US (63/172,560) 2021-04-08
[30] US (63/041,990) 2020-06-21

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/196 (2006.01) A61K 47/26 (2006.01) A61P 25/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **BIOAVAILABLE SUGAR-BASED DICLOFENAC FORMULATIONS**
[54] **FORMULATIONS DE DICLOFENAC A BASE DE SUCRE BIODISPONIBLE**
[72] REINER, ALBERTO, IT
[72] REINER, GIORGIO, IT
[71] APR APPLIED PHARMA RESEARCH SA, CH
[85] 2022-11-28
[86] 2021-06-08 (PCT/IB2021/055041)
[87] (WO2021/250571)
[30] US (63/037,483) 2020-06-10

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[13] A1
[51] **Int.Cl. C07K 14/78 (2006.01) C07K 17/08 (2006.01)**
[25] EN
[54] **BILAYER OF RETINAL PIGMENTED EPITHELIUM AND PHOTORECEPTORS AND USE THEREOF**
[54] **BICOUCHE D'EPITHELIUM PIGMENTAIRE RETINIEN ET DE PHOTORECEPTEURS ET SON UTILISATION**
[72] DIAS, ANDREW, US
[72] BERNDT, ERICH, US
[72] CHASE, LUCAS, US
[72] AMARAL, JUAN, US
[72] MAMINISHKIS, ARVYDAS, US
[72] BHARTI, KAPIL, US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-11-28
[86] 2021-05-28 (PCT/US2021/034851)
[87] (WO2021/243203)
[30] US (63/032,346) 2020-05-29

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[13] A1
[51] **Int.Cl. A01N 37/46 (2006.01) A01N 47/44 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL FORMULATIONS COMPRISING SILICONE**
[54] **FORMULATIONS ANTIMICROBIENNES COMPRENANT DU SILICONE**
[72] SPIEGELBERG, ANDREAS, CH
[72] STENSEN, WENCHE, NO
[72] SVENDSEN, JOHN SIGURD, NO
[71] AMICOAT AS, NO
[85] 2022-11-28
[86] 2021-06-14 (PCT/EP2021/065998)
[87] (WO2021/250286)
[30] GB (2008978.5) 2020-06-12

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[13] A1
[51] **Int.Cl. A61K 38/44 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATMENT OF GLUTARIC ACIDURIA AND ADMINISTRATION METHOD THEREFOR**
[54] **COMPOSITION POUR LE TRAITEMENT DE L'ACIDURIE GLUTARIQUE ET PROCEDE D'ADMINISTRATION ASSOCIE**
[72] JIN, DONG KYU, KR
[71] NOVEL PHARMA INC., KR
[85] 2022-11-28
[86] 2020-06-16 (PCT/KR2020/007774)
[87] (WO2021/256579)

[21] **3,180,565**
[13] A1
[51] **Int.Cl. D07B 1/02 (2006.01)**
[25] EN
[54] **ROPE**
[54] **CORDE**
[72] SLOAN, FORREST, US
[71] KURARAY CO., LTD., JP
[85] 2022-11-28
[86] 2021-07-21 (PCT/US2021/042458)
[87] (WO2022/020408)
[30] US (63/055,981) 2020-07-24

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 1/16 (2006.01) A61P 29/00 (2006.01) A61P 37/04 (2006.01) C07K 14/47 (2006.01) C07K 16/18 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **TREATMENT OF NON-ALCOHOLIC FATTY LIVER DISEASE**
[54] **TRAITEMENT DE LA STEATOSE HEPATIQUE NON ALCOOLIQUE**
[72] O'BRIEN, EDWARD REDMOND, CA
[71] PEMI31 THERAPEUTICS INC., CA
[85] 2022-11-28
[86] 2021-05-28 (PCT/CA2021/050728)
[87] (WO2021/237366)
[30] US (63/031,640) 2020-05-29

[21] **3,180,572**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **USE OF MICROVESICLE SIGNATURE FOR THE DIAGNOSIS AND TREATMENT OF KIDNEY TRANSPLANT REJECTION**
[54] **UTILISATION DE SIGNATURE MICROVESICULAIRE POUR LE DIAGNOSTIC ET LE TRAITEMENT DU REJET DE GREFFE DE REIN**
[72] SKOG, JOHAN, US
[72] TADIGOTLA, VASISHT, US
[72] HURLEY, JAMES, US
[72] AZZI, JAMIL, US
[71] EXOSOME DIAGNOSTICS, INC., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2022-11-28
[86] 2021-05-28 (PCT/US2021/034857)
[87] (WO2021/243206)
[30] US (63/032,267) 2020-05-29

[21] **3,180,573**
[13] A1
[51] **Int.Cl. B63H 20/14 (2006.01) B63H 20/34 (2006.01) B63H 23/02 (2006.01)**
[25] EN
[54] **DUAL STRUT POWER TRANSMISSION HOUSING STRUCTURE OF A MARINE PROPULSION SYSTEM**
[54] **STRUCTURE DE BOITIER DE TRANSMISSION DE PUISSANCE A DOUBLE ENTRETOISE D'UN SYSTEME DE PROPULSION MARINE**
[72] SORKIN, BENJAMIN, US
[72] LORD, JONATHAN, US
[71] FLUX MARINE LTD., US
[85] 2022-11-28
[86] 2021-05-28 (PCT/US2021/034904)
[87] (WO2021/243239)
[30] US (63/031,979) 2020-05-29

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[13] A1
[51] **Int.Cl. C07K 14/71 (2006.01) A61K 47/68 (2017.01) C07K 14/495 (2006.01)**
[25] EN
[54] **TRANSFORMING GROWTH FACTOR BETA (TGF?) BINDING AGENTS AND USES THEREOF**
[54] **AGENTS DE LIAISON AU FACTEUR DE CROISSANCE TRANSFORMANT BETA (TGF?) ET LEURS UTILISATIONS**
[72] O'CONNOR, MAUREEN D., CA
[72] TREMBLAY, GILLES BERNARD, CA
[72] DENIS, JEAN-FRANCOIS, CA
[72] GANESH, VANNAKAMBADI K., US
[71] BRISTOL-MYERS SQUIBB TGF BETA INC., CA
[85] 2022-11-28
[86] 2021-06-11 (PCT/CA2021/050795)
[87] (WO2021/248247)
[30] US (63/038,290) 2020-06-12

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[13] A1
[51] **Int.Cl. G06F 21/75 (2013.01) G06F 21/85 (2013.01) G06F 21/87 (2013.01)**
[25] EN
[54] **PROTECTED CIRCUIT SYSTEM AND METHOD OF OPERATION**
[54] **SYSTEME DE CIRCUIT PROTEGE ET PROCEDE DE FONCTIONNEMENT**
[72] GLINKA, MICHAEL, NL
[71] THALES NEDERLAND B.V., NL
[85] 2022-11-28
[86] 2021-05-28 (PCT/EP2021/064334)
[87] (WO2021/239940)
[30] EP (20177527.7) 2020-05-29

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[13] A1
[51] **Int.Cl. A61K 31/015 (2006.01) A61K 31/047 (2006.01) C07C 13/24 (2006.01) C07C 49/503 (2006.01) C07C 49/513 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) AND INFLAMMATORY DISORDERS CAUSED BY CORONAVIRUSES AND OTHER RESPIRATORY PATHOGENS OR AGENTS THATMEDIATE PULMONARY INJURY, INFLAMMATION OR ACUTE RESPIRATORY DISTRESS, AND RELATED COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING HUMAN SARS CORONAVIRUS INFECTION, COVID-19...**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU SYNDROME DE DETRESSE RESPIRATOIRE AIGUE (SDRA) ET DE TROUBLES INFLAMMATOIRES PROVOQUES PAR DES CORONAVIRUS ET D'AUTRES PATHOGENES OU AGENTS RESPIRATOIRES QUI INDUISENT UNE LESION PULMONAIRE, UNE INFLAMMATION OU UNE DETRESSE RESPIRATOIRE AIGUE, AINSI QUE COMPOSITIONS ET METHODES ASSOCIEES POUR LE TRAITEMENT ET LA...**
[72] CHANG, RICHARD L., US
[72] CHANG, BEN Y., US
[71] PHOR-MED, INC., US
[85] 2022-11-28
[86] 2021-05-27 (PCT/US2021/034494)
[87] (WO2021/243007)
[30] US (63/031,551) 2020-05-28

[21] **3,180,579**
[13] A1
[51] **Int.Cl. E04B 2/74 (2006.01)**
[25] EN
[54] **IMPROVING WALL STUD ACOUSTIC PERFORMANCE**
[54] **AMELIORATION DE LA PERFORMANCE ACOUSTIQUE D'UN POTEAU DE CLOISON**
[72] SOBEL, KENNETH, US
[71] HYPERFRAME INC., US
[85] 2022-11-28
[86] 2021-06-01 (PCT/US2021/035134)
[87] (WO2021/247492)
[30] US (63/033,062) 2020-06-01

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[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01D 53/047 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DIRECT AIR CAPTURE OF CARBON DIOXIDE BY USING A SOLID POLYMERIC SUPPORT MATERIAL FUNCTIONALIZED WITH AMINO FUNCTIONALITIES AND THE USE OF THIS MATERIAL FOR CARBON DIOXIDE CAPTURE FROM AIR**
[54] **PROCEDE ET APPAREIL POUR LA CAPTURE DIRECTE D'AIR DE DIOXYDE DE CARBONE AU MOYEN D'UN MATERIAU DE SUPPORT POLYMERE SOLIDE FONCTIONNALISE AVEC DES FONCTIONNALITES AMINO ET UTILISATION DE CE MATERIAU POUR LA CAPTURE DE DIOXYDE DE CARBONE PRESENT DANS L'AI**
[72] VARGAS, ANGELO, CH
[72] GEBALD, CHRISTOPH, CH
[72] ALBANI, DAVIDE, CH
[72] NIEBEL, TOBIAS, CH
[71] CLIMEWORKS AG, CH
[85] 2022-11-28
[86] 2021-06-17 (PCT/EP2021/066443)
[87] (WO2021/259760)
[30] EP (20181440.7) 2020-06-22
[30] EP (20213511.7) 2020-12-11

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[13] A1
[51] **Int.Cl. C08F 8/16 (2006.01) C08F 216/06 (2006.01) C09K 8/44 (2006.01)**
[25] EN
[54] **VINYL ALCOHOL COPOLYMER, PRODUCTION METHOD THEREOF, ANTI-DEHYDRATING AGENT FOR CEMENT SLURRY, AND ANTI-DEHYDRATING METHOD FOR CEMENT SLURRY**
[54] **COPOLYMERE D'ALCOOL VINYLIQUE, SON PROCEDE DE PRODUCTION, INHIBITEUR DE DESHYDRATATION POUR BOUILLIE DE CIMENT ET PROCEDE DE PREVENTION DE LA DESHYDRATATION D'UNE BOUILLIE DE CIMEN**
[72] GHEBREMESKEL, GHEBREHIWET, US
[72] MORIKAWA, KEISUKE, US
[72] KANESHIMA, TAKUMA, US
[71] KURARAY CO., LTD., JP
[85] 2022-11-28
[86] 2021-05-24 (PCT/JP2021/019636)
[87] (WO2021/241506)
[30] US (63/031,867) 2020-05-29

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[13] A1
[51] **Int.Cl. E21B 47/0232 (2012.01)**
[25] EN
[54] **ACTIVE MAGNETIC RANGING BY WELLHEAD CURRENT INJECTION**
[54] **TELEMETRIE MAGNETIQUE ACTIVE PAR INJECTION DE COURANT DE TETE DE PUITS**
[72] DASHEVSKIY, YULIY ALEKSANDROVICH, RU
[72] BONDARENKO, ALEXEY VLADIMIROVICH, RU
[72] VELKER, NIKOLAY NIKOLAEVICH, RU
[72] VERSHININ, ALEXANDER, RU
[72] KRUSPE, THOMAS, DE
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-11-28
[86] 2020-06-10 (PCT/IB2020/000697)
[87] (WO2021/250438)

[21] **3,180,588**
[13] A1
[51] **Int.Cl. D04C 1/06 (2006.01) D04C 1/12 (2006.01)**
[25] EN
[54] **BRAIDED CORD WITH CHANGING CROSS-SECTIONAL AREA AND A METHOD OF MAKING SAME**
[54] **CABLE TRESSE A SURFACE DE SECTION TRANSVERSALE VARIABLE ET SON PROCEDE DE FABRICATION**
[72] SLOAN, FORREST, US
[72] COFFEY, PATRICK, US
[71] KURARAY CO., LTD., JP
[85] 2022-11-28
[86] 2021-08-24 (PCT/US2021/047225)
[87] (WO2022/046679)
[30] US (63/069,182) 2020-08-24

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01) C07K 14/165 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **DIAGNOSIS, PREVENTION AND TREATMENT OF CORONAVIRUS INFECTION**
[54] **DIAGNOSTIC, PREVENTION ET TRAITEMENT D'INFECTIONS AU CORONAVIRUS**
[72] RADEMACHER, THOMAS, GB
[72] PERRINS, RICHARD, GB
[72] RADEMACHER, LAURENS, GB
[71] EMERGEX VACCINES HOLDING LIMITED, GB
[85] 2022-11-28
[86] 2021-06-02 (PCT/EP2021/064803)
[87] (WO2021/245140)
[30] GB (2008250.9) 2020-06-02

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[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61P 19/02 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **DRUG CONJUGATE HAVING ENHANCED DRUG DELIVERY AND INTERNALIZATION EFFICIENCY**
[54] **CONJUGUE DE MEDICAMENT AYANT UNE ADMINISTRATION DE MEDICAMENT ET UNE EFFICACITE D'INTERNALISATION AMELIOREES**
[72] KIM, SANG EUN, KR
[72] LEE, BYUNG CHUL, KR
[72] YOUN, HEWON, KR
[72] CHOI, JI YOUNG, KR
[72] JUNG, JAE HO, KR
[72] SONG, IN HO, KR
[71] BIK THERAPEUTICS INC., KR
[71] SEOUL NATIONAL UNIVERSITY HOSPITAL, KR
[85] 2022-11-28
[86] 2021-06-01 (PCT/IB2021/054774)
[87] (WO2021/245539)
[30] KR (10-2020-0065959) 2020-06-01

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[13] A1
[51] **Int.Cl. A23L 19/12 (2016.01) B01J 39/26 (2006.01) C07K 1/18 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **METHODS FOR CHROMATOGRAPHIC PROTEIN EXTRACTION AND PURIFICATION**
[54] **PROCEDES D'EXTRACTION ET DE PURIFICATION DE PROTEINES CHROMATOGRAPHIQUES**
[72] BASSO, ALESSANDRA, IT
[72] SUMMERS, BENJAMIN, GB
[72] SERBAN, SIMONA, GB
[72] BRESNER, CHRISTOPHER, GB
[71] PUROLITE (CHINA) CO., LTD., CN
[85] 2022-11-28
[86] 2021-07-19 (PCT/IB2021/056517)
[87] (WO2022/018619)
[30] US (63/053,942) 2020-07-20

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[13] A1
[51] **Int.Cl. B01D 17/02 (2006.01) C02F 1/40 (2006.01) C02F 1/54 (2006.01)**
[25] EN
[54] **CARBON DISULFIDE-MODIFIED AMINE ADDITIVES FOR SEPARATION OF OIL FROM WATER**
[54] **ADDITIFS AMINES MODIFIES PAR DU DISULFURE DE CARBONE POUR LA SEPARATION D'HUILE ET D'EAU**
[72] ZOU, JIAN, US
[72] HORNE, BRUCE OYER II, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-11-28
[86] 2021-06-15 (PCT/US2021/037485)
[87] (WO2021/257606)
[30] US (63/039,706) 2020-06-16
[30] US (17/347,359) 2021-06-14

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[13] A1
[51] **Int.Cl. E21B 47/107 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SUBTERRANEAN FLUID FLOW CHARACTERIZATION**
[54] **SYSTEMES ET PROCEDES DE CARACTERISATION DE FLUX DE FLUIDE SOUTERRAIN**
[72] CERRAHOGLU, CAGRI, GB
[72] THIRUVENKATANATHAN, PRADYUMNA, GB
[72] CERRAHOGLU, CAGRI, GB
[72] THIRUVENKATANATHAN, PRADYUMNA, GB
[71] LYTT LIMITED, GB
[85] 2022-11-28
[86] 2020-06-11 (PCT/EP2020/066171)
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[13] A1
[51] **Int.Cl. A61K 35/748 (2015.01) A61K 31/19 (2006.01)**
[25] EN
[54] **ANTI-MICROBIAL AND ANTI-INFLAMMATORY COMPOSITION COMPRISING ARTHROSPIRA EXTRACTS AND AN ORGANIC ACID**
[54] **COMPOSITION ANTIMICROBIENNE ET ANTI-INFLAMMATOIRE COMPRENANT DES EXTRAITS D'ARTHROSPIRA ET UN ACIDE ORGANIQUE**
[72] ILAG, LEODEVICO L, AU
[72] JOHNSTON, PETER OWEN, AU
[72] CEPEDA, ANDRES MONROY, AU
[71] BIOVITE AUSTRALIA PTY LTD., AU
[85] 2022-11-28
[86] 2021-06-02 (PCT/AU2021/050549)
[87] (WO2021/243410)
[30] AU (2020901831) 2020-06-03

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[51] **Int.Cl. A61K 31/27 (2006.01) A61P 39/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING OR PREVENTING ORGANOPHOSPHORUS POISONING**
[54] **PROCEDES DE TRAITEMENT OU DE PREVENTION DE L'EMPOISONNEMENT PAR DES COMPOSES ORGANOPHOSPHORES**
[72] MORGAN, TIMOTHY MATTHIAS, AU
[71] LACHESIS BIOSCIENCES LIMITED, AU
[85] 2022-11-28
[86] 2021-06-24 (PCT/AU2021/050662)
[87] (WO2021/258150)
[30] AU (2020902131) 2020-06-25

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[13] A1
[51] **Int.Cl. H02J 3/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RAPID SHUTDOWN OF ISLANDABLE INVERTERS USING OPEN CIRCUIT DETECTION**
[54] **PROCEDE ET APPAREIL POUR L'ARRET RAPIDE D'ONDULEURS POUVANT SUBIR UN ILOTAGE AU MOYEN D'UNE DETECTION DE CIRCUIT OUVERT**
[72] ZIMMANCK, DONALD RICHARD, US
[72] BERDNER, JOHN SCOTT, US
[71] ENPHASE ENERGY, INC., US
[85] 2022-11-28
[86] 2021-06-15 (PCT/US2021/037514)
[87] (WO2021/257627)
[30] US (63/039,446) 2020-06-15

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[13] A1
[51] **Int.Cl. E05F 3/12 (2006.01) E05F 3/18 (2006.01) E05F 3/22 (2006.01) E05F 5/02 (2006.01)**
[25] EN
[54] **POWERED OPENING MODULE FOR A DOOR CLOSER**
[54] **MODULE D'OUVERTURE ELECTRIQUE POUR FERME-PORTE**
[72] LANGENBERG, DANIEL, US
[72] FODSTAD, JASON, US
[72] SHETTY, ADITHYA GANGADHAR, IN
[72] WOLFE, JOHN A., US
[72] TOLODAY, DAVID V., US
[71] SCHLAGE LOCK COMPANY, US
[85] 2022-11-28
[86] 2021-05-26 (PCT/US2021/034207)
[87] (WO2021/242829)
[30] US (63/030,680) 2020-05-27
[30] US (17/225,615) 2021-04-08

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[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **VACCINE COMPOSITIONS BASED ON INORGANIC NANOPARTICLES FOR CANCER TREATMENT**
[54] **COMPOSITIONS VACCINALES A BASE DE NANOPARTICULES INORGANIQUES POUR LE TRAITEMENT DU CANCER**
[72] GONZALEZ RUIZ, GUSTAVO, CU
[72] GONZALEZ MARTINEZ, DAVID ALEJANDRO, CU
[72] BORDALLO LEON, FERNANDO, CU
[72] SANCHEZ RAMIREZ, BELINDA, CU
[72] LEON MONZON, KALET, CU
[72] ECHEVERRIA LUNA, YERANDY, CU
[72] LUZARDO LORENZO, MARIA DEL CARMEN, CU
[72] CRUZ RODRIGUEZ, MABEL, CU
[72] GONZALEZ PALOMO, ADYS, CU
[72] SANTO TOMAS POMPA, JULIO FELIPE, CU
[72] GARCIA ARTALEJO, JUDEY AYMED, CU
[72] RUIZ CASTRO, ELAINE, CU
[72] LOPEZ MATILLA, LIEN, CU
[71] CENTRO DE INMUNOLOGIA MOLECULAR, CU
[71] UNIVERSIDAD DE LA HABANA, CU
[85] 2022-11-28
[86] 2021-05-31 (PCT/CU2021/050005)
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[30] CU (CU- 2020-0032) 2020-06-09

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[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01)**
[25] EN
[54] **EXTRACTION TECHNIQUES TO PRESERVE CANNABINOID AND TERPENOID PROFILES**
[54] **TECHNIQUES D'EXTRACTION POUR CONSERVER DES PROFILS DE CANNABINOIDES ET DE TERPENOIDES**
[72] RUSSO, ETHAN, US
[71] CREDO SCIENCE, LLC, US
[85] 2022-11-28
[86] 2021-06-03 (PCT/US2021/035794)
[87] (WO2021/247933)
[30] US (63/034,823) 2020-06-04

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[51] **Int.Cl. H01G 11/58 (2013.01) H01G 11/60 (2013.01) H01G 11/62 (2013.01) C08K 5/527 (2006.01)**
[25] EN
[54] **MODIFIED IONIC LIQUIDS CONTAINING BICYCLOPHOSPHATE MOIETY**
[54] **LIQUIDES IONIQUES MODIFIES CONTENANT UNE FRACTION DE BICYCLOPHOSPHATE**
[72] MOGANTY, SURYA, US
[72] WU, YUE, US
[72] TORRES, GABRIEL, US
[72] VAIDYA, RUTVIK, US
[72] ZHU, XIAOJING, US
[72] SINICROPI, JOHN, US
[71] NOHMS TECHNOLOGIES, INC., US
[85] 2022-11-28
[86] 2021-05-21 (PCT/US2021/033538)
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[30] US (63/030,384) 2020-05-27

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[51] **Int.Cl. A61K 31/34 (2006.01) A61K 31/5415 (2006.01) A61K 45/00 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE PREVENTION, TREATMENT AND DIAGNOSIS OF THROMBI**
[54] **COMPOSES POUR LA PREVENTION, LE TRAITEMENT ET LE DIAGNOSTIC DE THROMBUS**
[72] CALIGIURI, GIUSEPPINA, FR
[72] NICOLETTI, ANTONINO, FR
[72] ANTONUCCI, MARTA, IT
[72] SKARBEK, CHARLES, FR
[71] INSERM(INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE PARIS CITE, FR
[71] CARDIOVASCULAR LAB S.P.A, IT
[71] UNIVERSITE PARIS 13 - PARIS NORD, FR
[85] 2022-11-28
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[13] A1
[51] **Int.Cl. C22C 1/047 (2023.01) B22F 7/00 (2006.01) C22C 45/08 (2006.01) C23C 14/14 (2006.01) C23C 14/34 (2006.01)**
[25] EN
[54] **ALUMINUM-SCANDIUM COMPOSITE, ALUMINUM-SCANDIUM COMPOSITE SPUTTERING TARGET AND METHODS OF MAKING**
[54] **COMPOSITE ALUMINIUM-SCANDIUM, CIBLE DE PULVERISATION DE COMPOSITE ALUMINIUM-SCANDIUM ET PROCEDES DE FABRICATION**
[72] VAN HEERDEN, DAVID PETER, US
[72] GARDINIER, KATHARINE S., US
[72] BAILEY, ROBERT S., US
[71] MATERION CORPORATION, US
[85] 2022-11-28
[86] 2021-06-03 (PCT/US2021/035627)
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[30] US (63/035,320) 2020-06-05

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[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **PYRIDINE-PYRIMIDINE DERIVATIVE, PREPARATION METHOD THEREFOR AND PHARMACEUTICAL USE THEREOF**
[54] **DERIVE DE PYRIDINE-PYRIMIDINE, SON PROCEDE DE PREPARATION ET SON UTILISATION PHARMACEUTIQUE**
[72] LI, XIN, CN
[72] FENG, BINQIANG, CN
[72] BAI, DONGDONG, CN
[72] HE, FENG, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD, CN
[85] 2022-11-28
[86] 2021-06-11 (PCT/CN2021/099552)
[87] (WO2021/249519)
[30] CN (202010529071.6) 2020-06-11
[30] CN (202011042186.9) 2020-09-28
[30] CN (202011400233.2) 2020-12-02
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[51] **Int.Cl. G05B 17/02 (2006.01)**
[25] EN
[54] **AN INDUSTRIAL PROCESS MODEL GENERATION SYSTEM**
[54] **SYSTEME DE GENERATION DE MODELE DE PROCEDE INDUSTRIEL**
[72] JANKA, DENNIS, DE
[72] KLOEPPER, BENJAMIN, DE
[72] CHIOUA, MONCEF, DE
[72] RODRIGUEZ, PABLO, DE
[72] LYMPEROPOULOS, IOANNIS, CH
[72] DIX, MARCEL, DE
[71] ABB SCHWEIZ AG, CH
[85] 2022-11-28
[86] 2021-04-26 (PCT/EP2021/060802)
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[30] EP (20177360.3) 2020-05-29

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/13 (2017.01) G06T 7/40 (2017.01) G07D 7/20 (2016.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IDENTIFYING CHARACTERISTICS OF TRADING CARDS**
[54] **PROCEDE ET APPAREIL D'IDENTIFICATION DE CARACTERISTIQUES DE CARTES A COLLECTIONNER**
[72] GORDON, GRAEME FREDERICK, CA
[71] TCG MACHINES INC., CA
[85] 2022-11-28
[86] 2021-05-28 (PCT/CA2021/000048)
[87] (WO2021/237332)
[30] US (63/032,495) 2020-05-29
[30] CA (3,081,739) 2020-05-29

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING IMMUNE RESPONSE**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LA REPONSE IMMUNITAIRE**
[72] XU, MENG, CN
[72] YANG, XUANMING, CN
[72] DONG, WENXIN, CN
[71] HANGZHOU LEADING EDGE PHARMACEUTICAL LTD., CN
[85] 2022-11-28
[86] 2021-06-08 (PCT/CN2021/098870)
[87] (WO2021/249384)
[30] CN (PCT/CN2020/095211) 2020-06-09

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[51] **Int.Cl. A01N 37/46 (2006.01)**
[25] EN
[54] **INSECT NEUROPEPTIDE ANALOGUES**
[54] **ANALOGUES DE NEUROPEPTIDES D'INSECTES**
[72] DAVIES, SHIREEN A., GB
[72] LISKAMP, ROBERT M. J., GB
[72] DOW, JULIAN A. T., GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, GB
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[86] 2021-06-04 (PCT/GB2021/051401)
[87] (WO2021/245429)
[30] GB (2008445.5) 2020-06-04

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[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/00 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/00 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PYRIMIDINE COMPOUND AS AXL INHIBITOR**
[54] **COMPOSE DE PYRIMIDINE UTILISE EN TANT QU'INHIBITEUR D'AXL**
[72] MA, CHANGYOU, CN
[72] ZHANG, LINLIN, CN
[72] LI, DONGDONG, CN
[72] WU, YOUZHI, CN
[72] FENG, HAIWEI, CN
[72] ZHOU, QIUHUA, CN
[72] PEI, JUNJIE, CN
[72] WU, JIAN, CN
[72] XU, DAN, CN
[72] ZHU, CHUNXIA, CN
[72] TIAN, ZHOUSHAN, CN
[71] NANJING CHIA TAI TIANQING PHARMACEUTICAL CO., LTD., CN
[85] 2022-11-28
[86] 2021-05-28 (PCT/CN2021/096942)
[87] (WO2021/239133)
[30] CN (202010471712.7) 2020-05-29
[30] CN (202110003579.7) 2021-01-04

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[13] A1
[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **TREATMENTS FOR A SUB-POPULATION OF INFLAMMATORY BOWEL DISEASE PATIENTS**
[54] **TRAITEMENTS POUR UNE SOUS-POPULATION DE PATIENTS ATTEINTS D'UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] GONSKY, REBECCA, US
[72] TARGAN, STEPHAN R., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-11-28
[86] 2021-06-01 (PCT/US2021/035217)
[87] (WO2021/247548)
[30] US (63/034,308) 2020-06-03
[30] US (63/044,202) 2020-06-25
[30] US (63/164,401) 2021-03-22

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MEASURING POST-OPERATIVE DISEASE RECURRENCE**
[54] **METHODES ET SYSTEMES DE MESURE DE LA RECURRENCE D'UNE MALADIE APRES OPERATION**
[72] GONSKY, REBECCA, US
[72] TARGAN, STEPHAN R., US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2022-11-28
[86] 2021-06-02 (PCT/US2021/035543)
[87] (WO2021/247770)
[30] US (63/034,278) 2020-06-03

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[13] A1
[51] **Int.Cl. E04B 1/26 (2006.01) E04B 5/12 (2006.01) E04B 5/14 (2006.01) E04C 3/12 (2006.01) E04C 3/14 (2006.01) E04C 3/292 (2006.01) E04C 3/36 (2006.01)**
[25] EN
[54] **ENGINEERED WOOD STRUCTURAL SYSTEM**
[54] **SYSTEME STRUCTURAL EN BOIS D'INGENIERIE**
[72] PEREZ ROMERO, MANUEL, ES
[72] TARAZONA LIZARRAGA, JAIME, ES
[71] PHYLEM STRUCTURES S.L., ES
[85] 2022-11-28
[86] 2021-06-02 (PCT/EP2021/064872)
[87] (WO2021/245177)
[30] EP (20382489.1) 2020-06-05

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/1171 (2016.01) A61B 5/01 (2006.01) A61B 5/02 (2006.01) A61B 5/0245 (2006.01) A61B 5/11 (2006.01) A61B 5/113 (2006.01)**
[25] EN
[54] **PORTABLE NON-CONTACT VITAL SIGNAL DETECTION DEVICE, DRIVER MONITORING DEVICE, VISITOR SCREENING SYSTEM, AND HOME HEALTHCARE SYSTEM**
[54]
[72] SAKAI, FUMINORI, JP
[72] AOKI, YASUSHI, JP
[72] MAKIMOTO, MITSUO, JP
[71] SAKURA TECH CORPORATION, JP
[85] 2022-11-29
[86] 2021-10-08 (PCT/JP2021/037446)
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[30] JP (2020-171293) 2020-10-09

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[13] A1
[51] **Int.Cl. A61L 15/24 (2006.01) A61L 15/42 (2006.01) D01D 10/02 (2006.01)**
[25] EN
[54] **WATER SOLUBLE FIBERS WITH POST PROCESS MODIFICATIONS AND ARTICLES CONTAINING SAME**
[54] **FIBRES HYDROSOLUBLES A MODIFICATIONS POST-TRAITEMENT ET ARTICLES LES CONTENANT**
[72] BRIDEWELL, VICTORIA, US
[72] ZEESE, NICHOLAS, US
[72] GOETZ, RICHARD, US
[72] KNIGHT, JONATHON, US
[72] SHUEY, ALYSSA, US
[71] MONOSOL, LLC., US
[85] 2022-11-29
[86] 2021-06-02 (PCT/US2021/035448)
[87] (WO2021/247705)
[30] US (63/033,601) 2020-06-02

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01)**
[25] EN
[54] **PYRAZOLO[3,4-D]PYRIMIDINE-3-ONE DERIVATIVE AS WEE-1 INHIBITOR**
[54] **DERIVE DE PYRAZOLO[3,4-D]PYRIMIDINE-3-CETONE UTILISE EN TANT QU'INHIBITEUR DE WEE-1**
[72] XIE, YULI, CN
[72] FAN, HOUXING, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2022-11-29
[86] 2021-06-16 (PCT/CN2021/100347)
[87] (WO2021/254389)
[30] CN (202010557580.X) 2020-06-17

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[13] A1
[51] **Int.Cl. A61L 15/24 (2006.01) A61L 15/42 (2006.01) D01D 10/02 (2006.01)**
[25] EN
[54] **WATER SOLUBLE FIBERS WITH POST PROCESS MODIFICATIONS AND ARTICLES CONTAINING SAME**
[54] **FIBRES HYDROSOLUBLES A MODIFICATIONS POST-TRAITEMENT ET ARTICLES LES CONTENANT**
[72] BRIDEWELL, VICTORIA, US
[72] ZEESE, NICHOLAS, US
[72] GOETZ, RICHARD, US
[72] KNIGHT, JONATHON, US
[72] SHUEY, ALYSSA, US
[71] MONOSOL, LLC., US
[85] 2022-11-29
[86] 2021-06-02 (PCT/US2021/035442)
[87] (WO2021/247699)
[30] US (63/033,601) 2020-06-02

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[13] A1
[51] **Int.Cl. A01N 63/30 (2020.01) A01H 5/10 (2018.01) A01H 5/12 (2018.01)**
[25] EN
[54] **METHYLOBACTERIUM STRAINS FOR IMPROVING PRODUCTION AND QUALITY OF PLANTS AND METHODS RELATED THERETO**
[54] **SOUCHES DE METHYLOBACTERIUM POUR AMELIORER LA PRODUCTION ET LA QUALITE DE PLANTES ET PROCEDES ASSOCIES**
[72] VOGAN, PATRICK, US
[72] KEROVUO, JANNE, US
[72] BREAKFIELD, NATALIE, US
[71] NEWLEAF SYMBIOTICS, INC., US
[85] 2022-11-29
[86] 2021-06-02 (PCT/US2021/035480)
[87] (WO2021/247727)
[30] US (63/033,364) 2020-06-02
[30] US (63/088,837) 2020-10-07

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[13] A1
[51] **Int.Cl. B01J 20/02 (2006.01) B01J 20/08 (2006.01) B01J 20/28 (2006.01) B01J 20/284 (2006.01) B01J 21/04 (2006.01) B01J 23/28 (2006.01) B01J 23/30 (2006.01) B01J 23/75 (2006.01) B01J 23/755 (2006.01) B01J 35/10 (2006.01) C10G 25/00 (2006.01)**
[25] EN
[54] **POROUS MATERIAL FOR REMOVING IMPURITIES IN FEEDSTOCKS**
[54] **MATERIAU POREUX DESTINE A ELIMINER DES IMPURETES DANS DES CHARGES D'ALIMENTATION**
[72] WEISE, CHRISTIAN FREDERIK, DK
[72] LUTECKI, MICHAL, DK
[72] JOHANSSON, FRANK BARTNIK, DK
[71] TOPSOE A/S, DK
[85] 2022-11-29
[86] 2021-07-06 (PCT/EP2021/068656)
[87] (WO2022/008508)
[30] EP (20184467.7) 2020-07-07

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[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **NOVEL SMALL MOLECULES FOR TARGETED DEGRADATION OF UNTARGETABLE KRAS IN CANCER THERAPY**
[54] **NOUVELLES PETITES MOLECULES POUR LA DEGRADATION CIBLEE DE KRAS NE POUVANT ETRE CIBLE DANS UNE THERAPIE ANTICANCEREUSE**
[72] PILLAI, BASKARAN, US
[72] M.G., DINESH, IN
[71] PILLAI UNIVERSAL LLC, US
[85] 2022-11-29
[86] 2021-05-26 (PCT/IB2021/054591)
[87] (WO2021/245499)
[30] IN (202041023434) 2020-06-04

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **CD38 ANTIBODIES FOR TREATMENT OF HUMAN DISEASES**
[54] **ANTICORPS ANTI-CD38 POUR LE TRAITEMENT DE MALADIES HUMAINES**
[72] MAHIUDDIN, AHMED, US
[72] WANG, LINLIN, US
[72] HOSEINI, SAYED SHAHABUDDIN, US
[72] BAADSGAARD, OLE, DK
[72] J. MOLLER SAN-PEDRO, CLAUS, DK
[71] Y-MABS THERAPEUTICS, INC., US
[85] 2022-11-29
[86] 2021-06-14 (PCT/DK2021/050188)
[87] (WO2021/254574)
[30] US (63/040,220) 2020-06-17

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[13] A1
[51] **Int.Cl. A62B 7/02 (2006.01) A62B 7/14 (2006.01)**
[25] EN
[54] **METHOD OF SUPPLYING OXYGEN TO AN AIRCRAFT OXYGEN MASK**
[54] **PROCEDE D'ALIMENTATION EN OXYGENE D'UN MASQUE D'OXYGENE D'AERONEF**
[72] CONTINO, JOSEPH, US
[72] SANFILIPPO, STEVEN, US
[71] AVOX SYSTEMS INC., US
[85] 2022-11-29
[86] 2021-06-28 (PCT/US2021/039391)
[87] (WO2022/005981)
[30] US (16/918,597) 2020-07-01

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[13] A1
[51] **Int.Cl. C04B 35/101 (2006.01) C04B 35/63 (2006.01) C04B 35/632 (2006.01) C04B 35/66 (2006.01)**
[25] EN
[54] **DRY SUBSTANCE MIXTURE FOR A BATCH, PREFERABLY A REFRACTORY CONCRETE BATCH, FOR THE PRODUCTION OF A COARSE CERAMIC REFRACTORY NON-BASIC PRODUCT, REFRACTORY CONCRETE BATCH AND SUCH PRODUCT AND METHOD FOR ITS PRODUCTION, LINING AND INDUSTRIAL FURNACE, LAUNDER TRANSPORT SYSTEM OR MOBILE TRANSPORT VESSE**
[54] **MELANGE DE MATIERES SECHES POUR UN MELANGE, DE PREFERENCE UN MELANGE DE BETON REFRACTAIRE, DESTINE A LA FABRICATION D'UN PRODUIT NON BASIQUE REFRACTAIRE EN CERAMIQUE INDUSTRIELLE, MELANGE DE BETON REFRACTAIRE ET PRODUIT DE CE TYPE, AINSI QUE PROCEDE POUR SA FABRICATION, GARNISSAGE ET FOUR INDUSTRIEL, SYSTEME DE TRANSPORT A GOULOTTE OU CONTENANT DE TRANSPO...**
[72] NEESE, JASPER, DE
[72] ROLLMANN, STEFFEN, DE
[72] KESSELHEIM, BERTRAM, DE
[71] REFRATECHNIK HOLDING GMBH, DE
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[51] **Int.Cl. C12N 15/90 (2006.01)**
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[54] **CELL LINES WITH MULTIPLE DOCKS FOR GENE INSERTION**
[54] **LIGNEES CELLULAIRES DOTEES DE MULTIPLES ZONES D'ACCUEIL POUR L'INSERTION DE GENES**
[72] BLECK, GREGORY T., US
[72] KRAVITZ, RACHEL H., US
[72] HALL, CHAD A., US
[71] CATALENT PHARMA SOLUTIONS, LLC, US
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[51] **Int.Cl. A61K 31/353 (2006.01) A61K 36/15 (2006.01) A61P 31/12 (2006.01)**
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[54] **PROCYANIDINS FOR THE TREATMENT OF ENDOTHELIAL DYSFUNCTION TRIGGERED BY COVID-19**
[54] **PROCYANIDINES POUR LE TRAITEMENT D'UN DYSFONCTIONNEMENT ENDOTHELIAL DECLENCHE PAR LA COVID-19**
[72] FERRARI, VICTOR, CH
[72] BURKI, CAROLINA, CH
[72] WEICHMANN, FRANZISKA, CH
[71] HORPHAG RESEARCH IP (PYC) LTD., CY
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[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/06 (2006.01) A61M 16/08 (2006.01)**
[25] EN
[54] **METHOD FOR PULSATILE DELIVERY OF A GASEOUS DRUG**
[54] **PROCEDE D'ADMINISTRATION PULSEE D'UN MEDICAMENT GAZEUX**
[72] DEKKER, MARTIN, US
[71] BELLEROPHON THERAPEUTICS, US
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[54] **FLOW REGULATING ASSEMBLY AND FLEXIBLE CRYOPROBE WITH ADJUSTABLE FLOW**
[54] **ENSEMBLE REGLAGE DE DEBIT ET CRYOSONDE FLEXIBLE A DEBIT REGLABLE**
[72] YANG, CHI, CN
[72] CHANG, ZHAOHUA, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
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[86] 2021-02-09 (PCT/CN2021/076191)
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[54] **A METHOD OF DIAGNOSING, PROGNOSING AND/OR MONITORING OVARIAN CANCER**
[54] **METHODE DE DIAGNOSTIC, DE PRONOSTIC ET/OU DE SURVEILLANCE DU CANCER DE L'OVAIRE**
[72] MULLAN, PAUL, GB
[72] BEIRNE, JAMES P., GB
[72] FEENEY, LAURA, GB
[72] MCCLUGGAGE, W. GLENN, GB
[72] HARLEY, IAN JG, GB
[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB
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[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/81 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR CHARACTERIZING AND ENGINEERING PROTEIN-PROTEIN INTERACTIONS**
[54] **PROCEDES DE CARACTERISATION ET D'INGENIERIE D'INTERACTIONS PROTEINE-PROTEINE**
[72] YOUNGER, DAVID, US
[72] COLBY, DAVID, US
[72] LOPEZ, RANDOLPH, US
[72] WITTEKIND, MICHAEL, US
[71] A-ALPHA BIO, INC., US
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[54] **THREE-PART CLASP FOR PUMPING GARMENT**
[54] **FERMOIR EN TROIS PARTIES POUR UN VETEMENT D'ALLAITEMENT**
[72] WOLFF, TOM, CA
[72] HABIS, NICOLE, CA
[71] BRAVADO HOLDING AG, CH
[85] 2022-11-29
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[25] EN
[54] **MULTIFUNCTIONAL CATALYST FOR THE CONVERSION OF CARBON DIOXIDE**
[54] **CATALYSEUR MULTIFONCTIONNEL POUR LA CONVERSION DE DIOXYDE DE CARBONE**
[72] PIETERSE, JOHANNIS ALOUISIUS ZACHARIAS, NL
[72] ELZINGA, GERARD DOUWE, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPASTNATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[51] **Int.Cl. A63B 21/22 (2006.01)**
[25] EN
[54] **BRAKING SYSTEMS AND METHODS FOR EXERCISE EQUIPMENT**
[54] **SYSTEMES DE FREINAGE ET PROCEDES POUR EQUIPEMENT D'EXERCICE**
[72] PETRILLO, DAVID WILLIAM, US
[72] NG, JEFF, US
[72] SKAVENSKI, MATT, US
[72] KISS, ERIC, US
[72] VIVORI, MARISSA, US
[72] INTONATO, BUD, US
[72] POLAT, METE, US
[72] LEE, JOOYOUNG, US
[72] LEJA, PIOTR, US
[72] EVANCHA, BETINA, US
[71] PELOTON INTERACTIVE, INC., US
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[54] **PRIVACY-PRESERVING IMAGE DISTRIBUTION**
[54] **DISTRIBUTION D'IMAGES PRESERVANT LA CONFIDENTIALITE**
[72] BURCEANU, ELENA, RO
[72] BOLBOCEANU, MADALINA, RO
[72] HALLER, EMANUELA, RO
[72] ROSCA, GEORGIANA M., RO
[72] CEBERE, BOGDAN, RO
[72] TITIU, RADU, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
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[51] **Int.Cl. G02C 5/14 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **TEMPLE FOR EYEGLASSES**
[54] **BRANCHE DE LUNETTES**
[72] NICOLIS, DIEGO, IT
[72] RENON, ALEX, IT
[72] BORSOI, FABIO, IT
[71] CIPO, CA
[71] LUXOTTICA S.R.L., IT
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[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**
[25] EN
[54] **AN OSTOMY APPLIANCE**
[54] **ACCESSOIRE POUR STOMIE**
[72] POWNER, IAIN, GB
[72] ALFARO, JESUS, GB
[72] HOWARD, LEE, GB
[71] SALTS HEALTHCARE LIMITED, GB
[85] 2022-11-29
[86] 2021-06-02 (PCT/GB2021/051361)
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[51] **Int.Cl. E04B 9/18 (2006.01)**
[25] EN
[54] **HEIGHT ADJUSTABLE HANGER WITH COMPRESSION MEMBER**
[54] **DISPOSITIF DE SUSPENSION REGLABLE EN HAUTEUR AVEC ELEMENT DE COMPRESSION**
[72] BARENSKI, PETER JR., US
[72] CARLSON, LOGAN, US
[72] GILLIS, TIMOTHY F., US
[72] VENKATESAN, ARUN SRINIVASAN, US
[72] ENKO, FREDERICK A., US
[71] OMG, INC, US
[85] 2022-11-29
[86] 2021-06-03 (PCT/US2021/035606)
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[51] **Int.Cl. C07D 211/02 (2006.01) C07D 211/28 (2006.01) C07D 211/56 (2006.01)**
[25] EN
[54] **PEPTIDES FOR TREATMENT OF MEDICAL DISORDERS**
[54] **PEPTIDES POUR LE TRAITEMENT DE TROUBLES MEDICAUX**
[72] LIAO, SUBO, US
[72] YANG, JUN, US
[72] LV, JINLIANG, US
[72] LIAO, ZONGQUAN, US
[72] ZHOU, HAO, US
[72] GAO, JUEYUAN, US
[72] XIE, TIANPENG, US
[72] YANG, QUANLI, US
[71] HUMANWELL PHARMACEUTICAL US, US
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[51] **Int.Cl. G07C 5/00 (2006.01) B60C 23/06 (2006.01) G07C 5/08 (2006.01) G01M 15/12 (2006.01)**
[25] EN
[54] **DEVICE FOR VEHICLE MONITORING AND SYSTEM INCLUDING SAME**
[54] **DISPOSITIF DE SURVEILLANCE DE VEHICULE ET SYSTEME LE COMPRENANT**
[72] MINERS, WILLIAM BEN, CA
[72] FINCH, PETER, GB
[72] MIDDLETON, JASON RAE, GB
[71] APPY RISK TECHNOLOGIES LIMITED, GB
[85] 2022-11-29
[86] 2021-05-28 (PCT/GB2021/051314)
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[30] GB (2008105.5) 2020-05-29

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[51] **Int.Cl. A61K 35/747 (2015.01) A61K 38/16 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR INHIBITING A VIRAL INFECTION, INCLUDING A CORONAVIRUS INFECTION**
[54] **MATERIAUX ET PROCEDES D'INHIBITION D'UNE INFECTION VIRALE, COMPRENANT UNE INFECTION A CORONAVIRUS**
[72] MONSUL, NICHOLAS T., US
[72] BERKES, EVA A., US
[72] BOEHM, FREDERICK T., US
[72] LIAO, YU-HSIEN, US
[71] QUORUM INNOVATIONS, LLC, US
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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/28 (2015.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITION OF LINEAGE SPECIFIC ANTIGENS USING CRISPR-BASED BASE EDITOR SYSTEMS**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION D'ANTIGENES SPECIFIQUES DE LA LIGNEE A L'AIDE DE SYSTEMES D'EDITEUR DE BASE A BASE DE CRISPR**
[72] MUKHERJEE, SIDDHARTHA, US
[72] BOROT, FLORENCE, US
[72] ALI, ABDULLAH MAHMOOD, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2022-11-29
[86] 2021-06-03 (PCT/US2021/035691)
[87] (WO2021/247856)
[30] US (63/033,966) 2020-06-03
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[51] **Int.Cl. B29C 64/147 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 70/00 (2020.01) B23K 1/19 (2006.01) B32B 3/08 (2006.01) B32B 37/02 (2006.01) B32B 37/06 (2006.01) B32B 37/10 (2006.01)**
[25] EN
[54] **BONDING METHODS FOR LAMINATED LIGHT ALLOY PARTS**
[54] **METHODES DE LIAISON POUR PIECES EN ALLIAGE LEGER STRATIFIE**
[72] CHEATHAM, LYLE, US
[72] MYKULOWYCZ, NICHOLAS, US
[72] FORSYTH, ALISON, US
[72] KOVACS, JASON, US
[71] ALLOY ENTERPRISES, INC., US
[85] 2022-11-29
[86] 2021-06-10 (PCT/US2021/036770)
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[30] US (63/037,220) 2020-06-10
[30] US (PCT/US2021/030879) 2021-05-05

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[51] **Int.Cl. A61M 1/26 (2006.01)**
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[54] **WEARABLE DIALYSIS SYSTEM WITH ULTRAFILTRATE MODULE**
[54] **SYSTEME DE DIALYSE A PORTER SUR SOI AVEC MODULE D'ULTRAFILTRAT**
[72] GURA, VICTOR, US
[71] GURA, VICTOR, US
[85] 2022-11-29
[86] 2021-05-28 (PCT/US2021/034844)
[87] (WO2021/243200)
[30] US (63/032,272) 2020-05-29

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[51] **Int.Cl. G02F 1/1334 (2006.01) G02F 1/1335 (2006.01)**
[25] EN
[54] **IR STABLE AND UV STABLE SWITCHABLE PANEL AND METHODS FOR MAKING AND USING**
[54] **PANNEAU COMMUTABLE STABLE AUX IR ET STABLE AUX UV ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] WANG, JIANSHENG, US
[71] WANG, JIANSHENG, US
[85] 2022-11-29
[86] 2021-08-20 (PCT/US2021/046893)
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[30] US (63/103,801) 2020-08-24

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[51] **Int.Cl. G06K 7/10 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **BARCODE READERS WITH 3D CAMERA(S)**
[54] **LECTEURS DE CODES A BARRES A L'AIDE D'UNE OU DE PLUSIEURS CAMERAS 3D**
[72] ASTVATSATUROV, YURI, US
[72] HANDSHAW, DARRAN MICHAEL, US
[72] BARKAN, EDWARD, US
[72] DRZYMALA, MARK, US
[71] ZEBRA TECHNOLOGIES CORPORATION, US
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[86] 2021-05-27 (PCT/US2021/034420)
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 38/22 (2006.01) A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01) A61P 5/48 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION IN THE FORM OF AN INJECTABLE AQUEOUS SOLUTION INCLUDING AT LEAST A RAPID-ACTING INSULIN ANALOG AND A GLUCAGON SUPPRESSOR WITH PRANDIAL ACTION**
[54] **COMPOSITION PHARMACEUTIQUE SOUS FORME D'UNE SOLUTION AQUEUSE INJECTABLE COMPRENANT AU MOINS UN ANALOGUE DE L'INSULINE A ACTION RAPIDE ET UN SUPPRESSEUR DE GLUCAGON A ACTION PRANDIAL**
[72] CHAN, YOU-PING, FR
[71] ADOCIA, FR
[85] 2022-11-29
[86] 2021-05-28 (PCT/EP2021/064458)
[87] (WO2021/240004)
[30] EP (20177611.9) 2020-05-29

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[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/31 (2013.01) G06F 21/35 (2013.01) G07C 9/32 (2020.01)**
[25] EN
[54] **ACCURATE ESTIMATION OF BATTERY CHARGE REMAINING IN A MOBILE CART**
[54] **ESTIMATION PRECISE DE CHARGE DE BATTERIE RESTANT DANS UN CHARIOT MOBILE**
[72] TISCHER, WILLIAM DALE, US
[72] TOWNES, TROY EDWARD, US
[71] ERGOTRON, INC., US
[85] 2022-11-29
[86] 2021-06-03 (PCT/US2021/035717)
[87] (WO2021/247874)
[30] US (63/034,467) 2020-06-04
[30] US (63/066,976) 2020-08-18

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[13] A1
[51] **Int.Cl. G06N 10/20 (2022.01) G06N 10/60 (2022.01)**
[25] EN
[54] **REALIZING CONTROLLED ROTATIONS BY A FUNCTION OF INPUT BASIS STATE OF A QUANTUM COMPUTER**
[54] **REALISATION DE ROTATIONS COMMANDEES PAR UNE FONCTION D'ETAT DE BASE D'ENTREE D'UN ORDINATEUR QUANTIQUE**
[72] CAO, YUDONG, US
[71] ZAPATA COMPUTING, INC., US
[85] 2022-11-29
[86] 2021-06-02 (PCT/US2021/035381)
[87] (WO2021/247656)

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[13] A1
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 35/17 (2015.01) C07K 14/715 (2006.01)**
[25] EN
[54] **ENGINEERED IMMUNE CELLS, COMPOSITIONS AND METHODS THEREOF**
[54] **CELLULES IMMUNITAIRES D'INGENIERIE, COMPOSITIONS ET PROCEDES ASSOCIES**
[72] MA, YUPO, US
[72] PINZ, KEVIN, US
[72] JIANG, XUN, US
[72] WADA, MASAYUKI, US
[72] CHEN, KEVIN, US
[71] ICELL GENE THERAPEUTICS LLC, US
[85] 2022-11-29
[86] 2021-05-26 (PCT/US2021/034271)
[87] (WO2021/242869)
[30] US (63/032,138) 2020-05-29

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[51] **Int.Cl. G06N 10/00 (2022.01) G06N 20/00 (2019.01)**
[25] EN
[54] **CHARACTERIZATION OF TIME-CORRELATED QUANTUM ERRORS THROUGH ENTANGLEMENT**
[54] **CARACTERISATION D'ERREURS QUANTIQUES A CORRELATION TEMPORELLE PAR ENCHEVETREMENT**
[72] NIU, YUEZHEN, US
[72] MCCOURT, TREVOR JOHNATHAN, US
[72] MOHSENI, MASOUD, US
[72] SMELYANSKIY, VADIM, US
[71] GOOGLE LLC, US
[85] 2022-11-29
[86] 2021-05-27 (PCT/US2021/034616)
[87] (WO2021/243079)
[30] US (63/032,459) 2020-05-29

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[13] A1
[51] **Int.Cl. C08B 37/00 (2006.01) C08B 37/02 (2006.01) C08L 5/02 (2006.01)**
[25] EN
[54] **DEXTRAN-ALPHA-GLUCAN GRAFT COPOLYMERS AND DERIVATIVES THEREOF**
[54] **COPOLYMERES GREFFES DE DEXTRANE-ALPHA-GLUCANE ET LEURS DERIVES**
[72] ADELMAN, DOUGLAS J., US
[72] BEHABTU, NATNAEL, NL
[72] LENGES, CHRISTIAN PETER, US
[72] KIM, KYLE, US
[72] VAN DER KRAAN, GEERT, NL
[71] NUTRITION & BIOSCIENCES USA 4, INC., US
[85] 2022-11-29
[86] 2021-06-03 (PCT/US2021/035623)
[87] (WO2021/247810)
[30] US (63/034,437) 2020-06-04

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[13] A1
[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/36 (2006.01) A61K 8/891 (2006.01)**
[25] FR
[54] **ECOBIOLOGICAL LIPO-ALCOHOLIC COMPOSITION**
[54] **COMPOSITION LIPOALCOOLIQUE ECOBIOLOGIQUE**
[72] THOREL, JEAN-NOEL, FR
[71] NAOS INSTITUTE OF LIFE SCIENCE, FR
[71] THOREL, JEAN-NOEL, FR
[85] 2022-11-29
[86] 2020-09-03 (PCT/EP2020/074563)
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[30] FR (FR2005970) 2020-06-08

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[51] **Int.Cl. D04H 1/4218 (2012.01) C03C 3/087 (2006.01) C03C 13/06 (2006.01) C03C 25/34 (2006.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING MAN-MADE VITREOUS FIBRES**
[54] **PROCEDE DE FABRICATION DE FIBRES VITREUSES ARTIFICIELLES**
[72] DEKKERS, ROB, DK
[72] LEHNEN, ALFRED, DK
[72] TEN HAAFT, MATHIJS, DK
[71] ROCKWOOL A/S, DK
[85] 2022-11-29
[86] 2021-06-01 (PCT/EP2021/064627)
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[30] EP (20178059.0) 2020-06-03

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[54] **SYSTEMES ET PROCEDES DE RECYCLAGE DE PIECES METALLIQUES USEES A L'AIDE D'UN GRENAILLAGE ET D'UNE ELIMINATION DE GRENAILLE**
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[71] HOUSE OF METALS COMPANY LIMITED, CA
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[72] ROSCHKE, VIKTOR, US
[72] LEE, KANG CHOON, KR
[72] LEE, SEULKI, US
[72] OH, YUMIN, US
[71] THERALY FIBROSIS, INC., US
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[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE PARTAGE DE DOCUMENT, DISPOSITIF, SUPPORT ET SYSTEME**
[72] TAN, ZHIYUAN, CN
[72] ZHONG, TIANREN, CN
[72] ZHONG, JINGKANG, CN
[72] ZHANG, YINGYING, CN
[72] LIU, JIAN, CN
[72] TAN, QIUHANG, CN
[71] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
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[54] **ROULETTE POUR OBJETS MOBILES**
[72] SCHULTE, ARNOLF, DE
[71] COLSON ROLLEN GMBH, DE
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[54] **GRAPHENE OXIDE-NANOPARTICLE COMPOSITE MEMBRANES, PREPARATION AND USES THEREOF**
[54] **MEMBRANES COMPOSITES D'OXYDE DE GRAPHENE ET DE NANOPARTICULES, PREPARATION ET UTILISATIONS ASSOCIEES**
[72] SIVANIAH, EASAN, JP
[72] GHALEI, BEHNAM, JP
[72] HUANG, GUOJI, JP
[71] OOYOO LTD., JP
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[54] **RESSORT DE COMPRESSION HELICOIDAL A SECTION TRANSVERSALE NON RONDE POUR ACTIONNEUR D'OUVERTURE ET DE FERMETURE DE PORTE OU DE HAYON DE VOITURE**
[72] GHEKIERE, PIETER, BE
[72] VAN HAVER, WIM, BE
[72] CARDON, OLIVIER, BE
[72] VAN DE VELDE, JOHAN, BE
[72] VRAZIC, IGOR, SK
[71] NV BEKAERT SA, BE
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[54] **PROCEDE ET APPAREIL D'ACQUISITION D'IDENTIFICATION DE TRANCHE DE RESEAU**
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[72] PENG, SHUPING, CN
[72] CHEN, XINJUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **SYSTEME ET PROCEDES D'AUTHENTIFICATION A BASE DE PUF**
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[72] HEEGER, DEREK, US
[71] UNM RAINFOREST INNOVATIONS, US
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[54] **LIGHT GUIDE**
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[72] ENDOH, HIROSHI, JP
[72] FURUYAMA, TAKESHI, JP
[72] SUZUKI, YUTAKA, JP
[71] NEUROCEUTICALS INC., JP
[71] PAX CO., LTD., JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
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[54] **CELLULE A RECEPTEUR ANTIGENIQUE CHIMERIQUE**
[72] PULE, MARTIN, GB
[72] CHEUNG, WENG-KIT, GB
[71] UCL BUSINESS LTD, GB
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[54] **EFFETS DE REALITE AUGMENTEE (RA) SENSIBLES A LA GEOMETRIE A L'AIDE D'UNE CARTE DE PROFONDEUR EN TEMPS REEL**
[72] KIM, DAVID, US
[72] DU, RUOFEI, US
[71] GOOGLE LLC, US
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[54] **COPOLYMERES POUR L'ADMINISTRATION DE CHARGES UTILES D'ACIDES NUCLEIQUES THERAPEUTIQUES PAR VOIE INTRACELLULAIRE**
[72] REINEKE, THERESA, US
[72] LE, NGOC, US
[72] TAN, ZHE, US
[72] KUMAR, RAMYA, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
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[54] **OUTIL CHIRURGICAL POUR SUTURE ABDOMINALE**
[72] COSTI, RENATO, IT
[71] UNIVERSITA DEGLI STUDI DI PARMA, IT
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[54] **TRAITEMENT DE L'HOMOCYSTINURIE ET DE L'HYPERHOMOCYSTEINEMIE A L'AIDE DE CYSTATHIONINE-GAMMA-LYASE**
[72] ROWLINSON, SCOTT W., US
[72] SLOAN, LESLIE, US
[72] DAIGE, CHRISTOPHER, US
[71] AEGLEA BIOTHERAPEUTICS, INC., US
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[54] **A MINERAL LIBERATION MACHINE**
[54] **MACHINE DE LIBERATION DE MINERAUX**
[72] IMHOF, RAINER MARIA, DE
[71] MAELGWYN MINERAL SERVICES LIMITED, GB
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[54] **JOUETS POUR ANIMAUX, EN PARTICULIER DES CHIENS OU DES CHATS**
[72] CITAK, ANDRZEJ, AT
[71] CITAK, ANDRZEJ, AT
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[54] **SYSTEME DE CLOTURE MODULAIRE**
[72] WALKER, SIMON, CA
[72] LAWSON, CRAIG, CA
[71] PEAK INNOVATIONS INC., CA
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[54] **AN INFECTIOUS DISEASE SCREENING SYSTEM**
[54] **SYSTEME DE DEPISTAGE DE MALADIE INFECTIEUSE**
[72] LAHOUD, IMAD, AE
[72] MACHOVEC, JEFF, AE
[72] BHATTI, SAJID, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[72] LAMOUREUX, CLEMENT, AE
[71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
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[54] **DISPOSITIF DE CRIBLAGE DE MALADIE INFECTIEUSE**
[72] LAHOUD, IMAD, AE
[72] MACHOVEC, JEFF, AE
[72] BHATTI, SAJID, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[72] LAMOUREUX, CLEMENT, AE
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[54] **UPDATE SERVICE OPERATION FOR SHORT MESSAGE SERVICE (SMS) SERVICE**
[54] **OPERATION DE SERVICE DE MISE A JOUR POUR SERVICE DE SERVICE DE MINIMESSAGES (SMS)**
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[72] FOTI, GEORGE, CA
[72] SULTANA, SHABNAM, CA
[72] CHEN, QIAN, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **SYSTEME DE VERROUILLAGE ELECTRONIQUE**
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[71] RYAN, JOHN JOSEPH, US
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[54] **UTILISATION DE LA 2-HOBA POUR TRAITER L'ATHEROSCLEROSE**
[72] LINTON, MACRAE F., US
[72] DAVIES, SEAN S., US
[72] BOUTAUD, OLIVIER, US
[71] VANDERBILT UNIVERSITY, US
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[54] **USE OF A PHOSPHODIESTERASE 10 INHIBITOR FOR THE TREATMENT OF TOURETTE SYNDROME**
[54] **UTILISATION D'UN INHIBITEUR DE PHOSPHODIESTERASE 10 POUR LE TRAITEMENT DU SYNDROME DE TOURETTE**
[72] GARIBALDI, GEORGE, CH
[71] NOEMA PHARMA AG, CH
[85] 2022-11-29
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[25] EN
[54] **METHODS OF TREATMENT OF TUBEROUS SCLEROSIS COMPLEX**
[54] **PROCEDES DE TRAITEMENT DE LA SCLEROSE TUBEREUSE DE BOURNEVILLE**
[72] GARIBALDI, GEORGE, CH
[71] NOEMA PHARMA AG, CH
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[54] **CATHETER VENT ASSEMBLY AND RELATED SYSTEMS AND METHODS**
[54] **ENSEMBLE EVENT DE CATHETER ET SYSTEMES ET METHODES ASSOCIES**
[72] GANAPATHY, MANICAVASAGAM, IN
[72] BHASKAR, KARTHIK, IN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-11-29
[86] 2021-05-26 (PCT/US2021/034294)
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[54] **CATHETER PLACEMENT DEVICE AND RELATED METHODS**
[54] **DISPOSITIF DE MISE EN PLACE DE CATHETER ET PROCEDES ASSOCIES**
[72] SPATARO, JOSEPH, US
[72] MA, YIPING, US
[72] TRAN, HUY, US
[71] BECTON, DICKINSON AND COMPANY, US
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[72] KAR, KENNETH C.H., US
[72] RUBIN-PITEL, SHERYL B., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
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[54] **COMPOSITION DE DIESEL DE TALL**
[72] NAYDENOV, VALERI, SE
[71] SUNPINE AB, SE
[85] 2022-11-30
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[54] **EXERCISE METHOD AND DEVICE**
[54] **PROCEDE ET APPAREIL D'EXERCICE**
[72] KIM, EUN BEE, KR
[71] KIM, EUN BEE, KR
[85] 2022-11-30
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[54] **A PACKAGING SYSTEM FOR ASSEMBLING A PACKAGE**
[54] **SYSTEME D'EMBALLAGE POUR L'ASSEMBLAGE D'UN EMBALLAGE**
[72] DEKOCKER, WIM, BE
[72] NARDUCCI, ANNALISA, BE
[72] THOMPSON, KEENAN, BE
[72] FERREIRA, GLENN, BE
[72] DUPERRAY, PHILIPPE JEAN MARIE, FR
[71] ANHEUSER-BUSCH INBEV S.A., BE
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[25] EN
[54] **CAPACITOR, MANUFACTURING METHOD THEREFOR, AND USE THEREOF**
[54] **CONDENSATEUR, SON PROCEDE DE FABRICATION ET SON UTILISATION**
[72] BU, FANG, CN
[72] LUO, CHUIYI, CN
[72] ZHU, YUAN, CN
[72] YUAN, ZHONGZHI, CN
[72] LIU, JIANHUA, CN
[72] LIU, JINCHENG, CN
[71] EVE ENERGY CO., LTD., CN
[71] EVE HYPERPOWER BATTERIES INC., CN
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[54] **NANOSHEET GATED DIODE**
[54] **DIODE A GRILLE EN NANOFEUILLES**
[72] REZNICEK, ALEXANDER, US
[72] HEKMATSHOARTABARI, BAHMAN, US
[72] BALAKRISHNAN, KARTHIK, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-30
[86] 2021-06-02 (PCT/CN2021/097946)
[87] (WO2021/249262)
[30] US (16/900,888) 2020-06-13

[21] **3,180,839**
[13] A1
[51] **Int.Cl. G01N 15/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE AUTOMATED BLOOD CELL COUNTING DEVICE**
[54]
[72] SO, SHIMBU, JP
[71] SO, SHIMBU, JP
[85] 2022-11-30
[86] 2021-05-28 (PCT/JP2021/020467)
[87] (WO2021/246334)
[30] JP (2020-095973) 2020-06-02

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[13] A1
[51] **Int.Cl. A61K 31/41 (2006.01) A61K 31/4174 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 213/64 (2006.01) C07D 233/64 (2006.01) C07D 237/08 (2006.01) C07D 239/26 (2006.01) C07D 239/34 (2006.01) C07D 257/04 (2006.01) C07D 271/10 (2006.01) C07D 277/28 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 405/12 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **INHIBITORS OF TRANSCRIPTIONAL ENHANCED ASSOCIATE DOMAIN (TEAD) AND USES THEREOF**
[54] **INHIBITEURS DU DOMAINE ASSOCIE D'ACTIVATION TRANSCRIPTIONNEL (TEAD) ET UTILISATIONS**
[72] GRAY, NATHANAEL S., US
[72] ZHANG, TINGHU, US
[72] KWIATKOWSKI, NICHOLAS PAUL, US
[72] FAN, MENGYANG, US
[72] CHE, JIANWEI, US
[72] LU, WENCHAO, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] GRAY, NATHANAEL S., US
[71] ZHANG, TINGHU, US
[71] KWIATKOWSKI, NICHOLAS PAUL, US
[71] FAN, MENGYANG, US
[71] CHE, JIANWEI, US
[71] LU, WENCHAO, US
[85] 2022-11-30
[86] 2021-06-02 (PCT/US2021/035343)
[87] (WO2021/247634)
[30] US (63/034,248) 2020-06-03
[30] US (63/183,094) 2021-05-03

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[13] A1
[51] **Int.Cl. G06F 9/52 (2006.01)**
[25] EN
[54] **PREVENTING UNAUTHORIZED PACKAGE DEPLOYMENT IN CLUSTERS**
[54] **EMPECHEMENT DU DEPLOIEMENT D'UN PAQUET NON AUTORISE DANS DES GROUPES**
[72] GAJANANAN, KUGAMOORTHY, JP
[72] KITAHARA, HIROKUNI, JP
[72] WATANABE, YUJI, JP
[72] KUDO, RURIKO, JP
[71] CIPO, CA
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-30
[86] 2021-05-20 (PCT/IB2021/054358)
[87] (WO2021/255547)
[30] US (63/040,158) 2020-06-17
[30] US (16/906,451) 2020-06-19

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[13] A1
[51] **Int.Cl. G08B 7/06 (2006.01)**
[25] EN
[54] **INTERNET PROTOCOL (IP)-SPEAKER WITH IP-CAMERA**
[54] **HAUT-PARLEUR A PROTOCOLE INTERNET (IP) AVEC CAMERA IP**
[72] REID, JEFFREY, US
[72] DEIHM, ROGER, US
[72] PENNY, JOHN J., US
[71] HUBBELL INCORPORATED, US
[85] 2022-11-30
[86] 2021-05-28 (PCT/US2021/034796)
[87] (WO2021/247400)
[30] US (63/033,871) 2020-06-03
[30] US (17/333,277) 2021-05-28

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[13] A1
[51] **Int.Cl. C01D 3/16 (2006.01) C01D 15/00 (2006.01) C01D 15/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HIGH-PURITY AQUEOUS LITHIUM SALT SOLUTION**
[54] **PROCEDE DESTINE A LA PRODUCTION D'UNE SOLUTION AQUEUSE DE SEL DE LITHIUMDE HAUTE PURETE**
[72] YAMADA, KEITA, JP
[72] SAKUMA, YUKIO, JP
[72] INOUE, HIROTO, JP
[71] ASAKA RIKEN CO., LTD., JP
[85] 2022-11-30
[86] 2021-09-28 (PCT/JP2021/035688)
[87] (WO2022/071335)
[30] JP (2020-167402) 2020-10-02

[21] **3,180,855**
[13] A1
[51] **Int.Cl. B05C 1/02 (2006.01) B05C 5/02 (2006.01) B05C 17/00 (2006.01)**
[25] EN
[54] **DEVICE AND A METHOD FOR COATING A CIRCULAR CYLINDRICAL OBJECT**
[54] **DISPOSITIF ET PROCEDE DE REVETEMENT D'UN OBJET CYLINDRIQUE CIRCULAIRE**
[72] ORTENDAHL, IVAN PATRIK, FI
[71] ORTENDAHL, IVAN PATRIK, FI
[85] 2022-11-30
[86] 2021-06-04 (PCT/SE2021/050539)
[87] (WO2021/246952)
[30] SE (2050655-6) 2020-06-05

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[13] A1
[51] **Int.Cl. H01L 27/088 (2006.01)**
[25] EN
[54] **SLOPED EPITAXY BURIED CONTACT**
[54] **CONTACT ENTERRE A EPITAXIE INCLINEE**
[72] LI, TAO, US
[72] KANG, TSUNG-SHENG, US
[72] XIE, RUILONG, US
[72] REZNICEK, ALEXANDER, US
[72] GLUSCHENKOV, OLEG, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-30
[86] 2021-06-04 (PCT/IB2021/054905)
[87] (WO2021/255570)
[30] US (16/905,626) 2020-06-18

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[13] A1
[51] **Int.Cl. B32B 7/06 (2019.01) B32B 7/12 (2006.01) B32B 9/02 (2006.01) B32B 9/04 (2006.01) B32B 21/02 (2006.01) B32B 21/08 (2006.01) B32B 27/10 (2006.01) B32B 27/36 (2006.01) B32B 29/00 (2006.01)**
[25] EN
[54] **RIGID BIODEGRADABLE FOOD CONTAINER**
[54] **RECIPIENT ALIMENTAIRE BIODEGRADABLE RIGIDE**
[72] BRAS, JULIEN, FR
[72] MOUREN, AGATHE, FR
[72] CHARDOT, JULIA, FR
[72] MISSOUM, KARIM, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-11-30
[86] 2021-07-06 (PCT/EP2021/068597)
[87] (WO2022/008484)
[30] EP (20184131.9) 2020-07-06

[21] **3,180,867**
[13] A1
[51] **Int.Cl. G01H 3/12 (2006.01) G16H 50/30 (2018.01) G16H 50/80 (2018.01)**
[25] EN
[54] **DETERMINING AN AIRBORNE AND/OR AEROSOL PATHOGEN RISK EXPOSURE**
[54] **DETERMINATION D'UNE EXPOSITION A UN RISQUE D'AGENTS PATHOGENES EN SUSPENSION DANS L'AIR ET/OU EN AEROSOL**
[72] KARLSSON, OLA, SE
[72] CHIGOT, PIERRE, SE
[72] FRANCOIS, MICHEL, FR
[72] NILSSON, ERLING, SE
[71] SAINT-GOBAIN ECOPHON AB, SE
[85] 2022-11-30
[86] 2021-05-21 (PCT/EP2021/063576)
[87] (WO2021/244870)
[30] SE (2050656-4) 2020-06-05

[21] **3,180,869**
[13] A1
[51] **Int.Cl. C05B 11/10 (2006.01) C01B 25/30 (2006.01)**
[25] EN
[54] **PRODUCTION OF POTASSIUM PHOSPHATES**
[54] **PRODUCTION DE PHOSPHATES DE POTASSIUM**
[72] COHEN, YARIV, SE
[72] TUNSU, CHRISTIAN, SE
[72] VAN DER WERF, ANGELA, SE
[72] BOMAN, DANIEL, SE
[71] EASYMINING SWEDEN AB, SE
[85] 2022-11-30
[86] 2021-06-11 (PCT/SE2021/050560)
[87] (WO2021/251891)
[30] SE (2050703-4) 2020-06-12

[21] **3,180,870**
[13] A1
[51] **Int.Cl. H01S 3/067 (2006.01) H01S 5/026 (2006.01)**
[25] EN
[54] **ULTRAFAST LASER SOURCES AND METHOD**
[54] **SOURCES LASER ULTRARAPIDES ET PROCEDE**
[72] LEGARE, FRANCOIS, CA
[72] MOHAMMADABADI, REZA SAFAEI, CA
[72] FAN, GUANGYU, CA
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2022-11-30
[86] 2021-06-07 (PCT/CA2021/050780)
[87] (WO2021/248234)
[30] US (63/036,951) 2020-06-09

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[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61P 31/16 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **ISOXAZOLIDINES AS RIPK1 INHIBITORS AND USE THEREOF**
[54] **ISOXAZOLIDINES EN TANT QU'INHIBITEURS DE RIPK1 ET LEUR UTILISATION**
[72] DEFOSSA, ELISABETH, DE
[72] GLOMBIK, HEINER, DE
[72] HEINELT, UWE, DE
[72] MATTER, HANS, DE
[72] MENDEZ-PEREZ, MARIA, DE
[72] RACKELMANN, NILS, DE
[72] RITTER, KURT, DE
[72] SCHWINK, LOTHAR, DE
[72] SZILLAT, HAUKE, DE
[72] ZECH, GERNOT, DE
[71] SANOFI, FR
[85] 2022-11-30
[86] 2021-06-01 (PCT/EP2021/064657)
[87] (WO2021/245070)
[30] EP (20315292.1) 2020-06-02

[21] **3,180,874**
[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01)**
[25] EN
[54] **FAST IDENTIFICATION OF OFFENSE AND ATTACK EXECUTION IN NETWORK TRAFFIC PATTERNS**
[54] **IDENTIFICATION RAPIDE D'INFRACTION ET D'EXECUTION D'ATTAQUE DANS DES MOTIFS DE TRAFIC DE RESEAU**
[72] TACKABURY, WAYNE FRANCIS, US
[72] DOS SANTOS SILVA, BRUNO, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-30
[86] 2021-04-23 (PCT/IB2021/053375)
[87] (WO2021/255534)
[30] US (16/904,963) 2020-06-18

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/10 (2006.01)**
[25] EN
[54] **HYPERIMMUNE IGG AND/OR IGM COMPOSITIONS AND METHOD FOR PREPARING THEREOF AND METHOD FOR OBTAINING HYPERIMMUNE HUMAN PLASMA FROM A DONOR**
[54] **COMPOSITIONS A BASE D'IGG ET/OU D'IGM HYPERIMMUNES ET LEUR PROCEDE DE PREPARATION ET PROCEDE D'OBTENTION DE PLASMA HUMAIN HYPERIMMUN A PARTIR D'UN DONNEUR**
[72] VANDEBERG, PETER, IE
[72] WELLHOUSE, ANDREA, IE
[72] JOSE, MARTA, IE
[72] ROSA-BRAY, MARILYN, IE
[72] AUGER, CHARLES, IE
[72] GAJARDO RODRIGUEZ, RODRIGO, IE
[72] LINDSAY, MYLES, IE
[72] ORLOVA, NATALIA, IE
[72] ROMES, ERIN, IE
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[85] 2022-11-30
[86] 2021-05-26 (PCT/EP2021/063995)
[87] (WO2021/244910)
[30] US (63/034,289) 2020-06-03
[30] US (63/108,173) 2020-10-30
[30] US (63/175,492) 2021-04-15

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[13] A1
[51] **Int.Cl. A61K 47/60 (2017.01) A61K 47/54 (2017.01) A61K 47/56 (2017.01) A61K 47/62 (2017.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61K 49/12 (2006.01) A61K 51/06 (2006.01) C07D 305/14 (2006.01) C08G 73/02 (2006.01)**
[25] EN
[54] **THERAPEUTIC CONJUGATES**
[54] **CONJUGUES THERAPEUTIQUES**
[72] SHENGULE, SUDHIR RAMNATHRAO, AU
[72] OWEN, DAVID, AU
[72] HUFTON, RICHARD, AU
[72] THURECHT, KRIS, AU
[71] STARPHARMA PTY LTD, AU
[85] 2022-11-30
[86] 2021-06-03 (PCT/AU2021/050554)
[87] (WO2021/243415)
[30] AU (2020901833) 2020-06-03

[21] **3,180,880**
[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01)**
[25] EN
[54] **INTRAVENOUS CATHETER DEVICE WITH SLIDING SAFETY MECHANISM**
[54] **DISPOSITIF DE CATHETER INTRAVEINEUX DOTE D'UN MECANISME DE SECURITE COULISSANT**
[72] KUPPUSAMY, SENTHILNATHAN, IN
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-11-30
[86] 2021-06-07 (PCT/US2021/036184)
[87] (WO2021/252362)
[30] US (63/038,569) 2020-06-12
[30] US (17/337,238) 2021-06-02

[21] **3,180,882**
[13] A1
[51] **Int.Cl. B01D 53/52 (2006.01) E21B 43/25 (2006.01) E21B 43/34 (2006.01)**
[25] EN
[54] **TESTING H2S SCAVENGERS POLYMERIZATION FACTORS**
[54] **ESSAI DE FACTEURS DE POLYMERISATION DE CAPTEURS DE H2S**
[72] LOCKLEAR, JAY E., US
[72] CROWE, CLINTON L., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2022-11-30
[86] 2021-06-03 (PCT/US2021/035709)
[87] (WO2021/257288)
[30] US (63/039,781) 2020-06-16

[21] **3,180,883**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **BISPECIFIC IMMUNE CELL ENGAGERS WITH BINDING SPECIFICITY FOR HLA-G AND ANOTHER ANTIGEN**
[54] **ACTIVATEURS DE CELLULES IMMUNITAIRES BISPECIFIQUES A SPECIFICITE DE LIAISON POUR HLA-G ET UN AUTRE ANTIGENE**
[72] BEERS, COURTNEY, US
[72] CHU, LING HON MATTHEW, US
[72] HODGES, DOUG, US
[72] KOCHEL, CHRISTINA M., US
[71] TIZONA THERAPEUTICS, US
[85] 2022-11-30
[86] 2021-06-10 (PCT/US2021/036838)
[87] (WO2021/252780)
[30] US (63/037,985) 2020-06-11

[21] **3,180,884**
[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01)**
[25] EN
[54] **SUPERCONDUCTING QUBIT LIFETIME AND COHERENCE IMPROVEMENT VIA SUBSTRATE BACKSIDE ETCHING**
[54] **AMELIORATION DE LA DUREE DE VIE ET DE LA COHERENCE DE BITS QUANTIQUES SUPRACONDUCTEURS PAR GRAVURE DE SUBSTRAT EN FACE ARRIERE**
[72] GILL, DOUGLAS, US
[72] SANDBERG, MARTIN, US
[72] ADIGA, VIVEKANANDA, US
[72] MARTIN, YVES, US
[72] PAIK, HANHEE, US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2022-11-30
[86] 2021-06-17 (PCT/EP2021/066475)
[87] (WO2021/259766)
[30] US (16/908,704) 2020-06-22

[21] **3,180,885**
[13] A1
[25] EN
[54] **TUBE-CARRIER BASED LOGISTICS SYSTEM AND METHOD FOR PERFORMING LOGISTICS SERVICES WITH SUCH SYSTEM**
[54] **SYSTEME LOGISTIQUE A BASE DE SUPPORT DE TUBE ET PROCEDE DE REALISATION DE SERVICES LOGISTIQUES AVEC UN TEL SYSTEME**
[72] WANDEL, STEN, SE
[72] ENG LARSSON, FREDRIK, SE
[72] WELLS, ANDREAS, SE
[72] OHNELL, SOFIA, SE
[72] JOHNSON, ANDERS, SE
[71] OMNILOOP AB, SE
[85] 2022-11-30
[86] 2021-06-23 (PCT/EP2021/067175)
[87] (WO2021/260019)

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[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 38/55 (2006.01) A61K 39/00 (2006.01) C07K 16/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INHIBITING YTHDF1**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION DE YTHDF1**
[72] LUO, CHENG, CN
[72] XU, MENG, CN
[72] CHEN, SHIJIE, CN
[72] LI, YILIN, CN
[72] CHEN, YANTAO, CN
[72] JIANG, HUALIANG, CN
[72] CHEN, KAIXIAN, CN
[72] JIANG, ZHANPENG, CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[71] HANGZHOU LEADING EDGE PHARMACEUTICAL LTD., CN
[71] SHANGHAI KANGQIAN BIOTECHNOLOGY LIMITED, CN
[85] 2022-11-30
[86] 2021-07-08 (PCT/CN2021/105208)
[87] (WO2022/007890)
[30] CN (PCT/CN2020/101106) 2020-07-09

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **CATHETER FOR FORMING AN INTERVASCULAR BRIDGE TO RELIEVE VESSEL COMPRESSION**
[54] **CATHETER DESTINE A FORMER UN PONT INTERVASCULAIRE POUR SOULAGER LA COMPRESSION D'UN VAISSEAU**
[72] CASIRARO, MATT, US
[72] ROCKWOOD, CASEY, US
[71] C.R. BARD, INC., US
[85] 2022-11-30
[86] 2020-08-13 (PCT/US2020/046073)
[87] (WO2022/035431)

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[13] A1
[51] **Int.Cl. G01N 33/533 (2006.01) G01N 33/542 (2006.01) G01N 33/574 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **NOVEL DIAGNOSTIC MARKER FOR PROSTATE CANCER**
[54] **NOUVEAU MARQUEUR DE DIAGNOSTIC POUR LE CANCER DE LA PROSTATE**
[72] LESNER, ADAM, PL
[72] GRUBA, NATALIA, PL
[71] URTESTE S.A., PL
[85] 2022-11-30
[86] 2021-06-01 (PCT/PL2021/050034)
[87] (WO2021/246883)
[30] EP (20461540.5) 2020-06-04

[21] **3,180,889**
[13] A1
[25] EN
[54] **MONITORING OF LOGISTIC VEHICLES**
[54] **SURVEILLANCE DE VEHICULES LOGISTIQUES**
[72] KUMAR, AVISHEK, US
[72] MOLNAR, CHRISTIAN, US
[72] SCHLOEMER, JAMES F., US
[72] MEYER, JAMES C., US
[72] LOGITO, JOSUA, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2022-11-30
[86] 2021-05-28 (PCT/US2021/034970)
[87] (WO2021/247432)
[30] US (63/032,621) 2020-05-30

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[13] A1
[51] **Int.Cl. F21V 21/30 (2006.01) F21V 9/40 (2018.01)**
[25] EN
[54] **EVENT LIGHTING AND AUXILIARY COMPONENTS FOR USE THEREWITH**
[54] **ECLAIRAGE POUR EVENEMENT ET COMPOSANTS AUXILIAIRES DESTINES A ETRE UTILISES AVEC CELUI-CI**
[72] TODD, ERIC, US
[71] BML PRODUCTIONS, INC., US
[85] 2022-11-30
[86] 2021-05-28 (PCT/US2021/034728)
[87] (WO2021/247391)
[30] US (16/889,935) 2020-06-02
[30] US (17/106,816) 2020-11-30

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[13] A1
[51] **Int.Cl. E04B 1/86 (2006.01) D21H 13/40 (2006.01) G10K 11/162 (2006.01) G10K 11/168 (2006.01) G10K 11/172 (2006.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING ACOUSTICAL ELEMENTS**
[54] **PROCEDE DE FABRICATION D'ELEMENTS ACOUSTIQUES**
[72] CHIGOT, PIERRE, SE
[72] ARVIDSSON, EMMA, SE
[72] NILSSON, ERLING, SE
[72] MANSSON, TOMMY, SE
[71] SAINT-GOBAIN ECOPHON AB, SE
[85] 2022-11-30
[86] 2021-07-02 (PCT/EP2021/068350)
[87] (WO2022/003163)
[30] EP (20183620.2) 2020-07-02

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[13] A1
[51] **Int.Cl. A63B 21/04 (2006.01)**
[25] EN
[54] **BED EXERCISE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'EXERCICE DE LIT**
[72] KONOPACZ, KAITLIN, US
[72] SIRIANNI, HEATHER, US
[72] SEXTON, KRISTIN, US
[72] PONSI, LAWRENCE G., US
[71] SAGE PRODUCTS, LLC, US
[85] 2022-11-30
[86] 2021-05-28 (PCT/US2021/034960)
[87] (WO2021/247429)
[30] US (63/033,053) 2020-06-01
[30] US (63/129,691) 2020-12-23

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[13] A1
[51] **Int.Cl. G02B 5/02 (2006.01) G06T 7/80 (2017.01) G02B 5/26 (2006.01) G03B 11/06 (2021.01) G03B 17/12 (2021.01)**
[25] EN
[54] **APPARATUS AND METHOD TO OBTAIN INTRINSIC STILL AND VIDEO IMAGES WITHOUT THE USE OF FILTERS OR DICHROIC MIRRORS**
[54] **APPAREIL ET PROCEDE PERMETTANT D'OBTENIR DES IMAGES FIXES ET VIDEO INTRINSEQUES SANS UTILISER DE FILTRES OU DE MIROIRS DICHROIQUES**
[72] SCHWARTZ, ABRAHAM, US
[72] SHERMAN, PHILIP, US
[72] FERNANDEZ REPOLLET, EMMA, US
[71] CENTER FOR QUANTITATIVE CYTOMETRY, US
[85] 2022-11-30
[86] 2021-04-21 (PCT/US2021/028281)
[87] (WO2021/247157)
[30] US (16/888,660) 2020-05-30

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[13] A1
[51] **Int.Cl. A01N 25/22 (2006.01) A01N 37/46 (2006.01) A01N 55/02 (2006.01)**
[25] EN
[54] **GRAFTABLE BIOCIDAL LINKERS AND POLYMERS AND USES THEREOF**
[54] **LIEURS ET POLYMERES BIOCIDES POUVANT ETRE GREFFES ET LEURS UTILISATIONS**
[72] BOULOUSSA, OTHMAN, FR
[71] DEBOGY MOLECULAR, INC., US
[85] 2022-11-30
[86] 2021-06-05 (PCT/US2021/036048)
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[54] **SYSTEME DE CATHETER A DEMEURE**
[72] MODLEY, RICHARD, GB
[72] JONES, TIM, IE
[72] TIERNEY, MICHELLE, IE
[71] NATIONAL UNIVERSITY OF IRELAND, GALWAY, IE
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[54] **SYSTEMS AND METHODS FOR BILATERAL WIRELESS COMMUNICATION**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION BILATERALE SANS FIL**
[72] MOONEY, LUKE, US
[72] DUVAL, JEAN-FRANCOIS, US
[72] HARRIS, RACHEL, US
[71] DEPHY, INC., US
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[54] **ATTENUATED VARIANT OF THE RIFT VALLEY FEVER VIRUS, COMPOSITION COMPRISING SAME, AND USES THEREOF**
[54] **VARIANT ATTENUE DU VIRUS DE LA FIEVRE DE LA VALLEE DU RIFT, COMPOSITION COMPRENANT CELUI-CI ET UTILISATIONS CORRESPONDANTES**
[72] BRUN TORRES, ALEJANDRO, ES
[72] BORREGO RIVERO, MARIA BELEN, ES
[72] MORENO FERNANDEZ, SANDRA, ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC), ES
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[54] **SYSTEMS AND METHODS FOR A COMPRESSED CONTROLLER FOR AN ACTIVE EXOSKELETON**
[54] **SYSTEMES ET PROCEDES POUR UN DISPOSITIF DE COMMANDE COMPRESSE POUR UN EXOSQUELETTE ACTIF**
[72] MOONEY, LUKE, US
[72] DUVAL, JEAN-FRANCOIS, US
[71] DEPHY, INC., US
[85] 2022-12-02
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[54] **REAL-TIME FEEDBACK-BASED OPTIMIZATION OF AN EXOSKELETON**
[54] **OPTIMISATION BASEE SUR UNE RETROACTION EN TEMPS REEL D'UN EXOSQUELETTE**
[72] MOONEY, LUKE, US
[72] DUVAL, JEAN-FRANCOIS, US
[72] HARRIS, RACHEL, US
[72] KAPLAN, JONATHAN, US
[71] DEPHY, INC., US
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[54] **APPARATUSES, SYSTEMS, AND METHODS FOR FLUID INFLOW CONTROL**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE REGULATION DE DEBIT ENTRANT DE FLUIDE**
[72] WANG, XIAOQI, CA
[71] EXCEED (CANADA) OILFIELD EQUIPMENT INC., CA
[71] NINE RING MACHINERY SHARE HOLDING CO., LTD., CN
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[54] **SOLAR PANEL ASSEMBLY**
[54] **ENSEMBLE PANNEAU SOLAIRE**
[72] ROBERGE, MAXIME, CA
[71] SAINT-AUGUSTIN CANADA ELECTRIC INC., CA
[85] 2022-12-07
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[54] **ELECTRICALLY POWERED MACHINE FOR PREPARING COFFEE**
[54] **MACHINE A ALIMENTATION ELECTRIQUE POUR LA PREPARATION DE CAFE**
[72] TORCHIO, GIORGIO, IT
[72] TORCHIO, FRANCESCA, IT
[71] TRC S.R.L., IT
[85] 2022-12-14
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[54] **METHODS FOR TREATING CANCER OR VON-HIPPEL LINDAU DISEASE USING A COMBINATION OF A PD-1 ANTAGONIST, A HIF-2 ALPHA INHIBITOR, AND LENVATINIB OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF**
[54] **METHODES DE TRAITEMENT DU CANCER OU DE LA MALADIE DE VON HIPPEL-LINDAU A L'AIDE D'UNE COMBINAISON D'UN ANTAGONISTE DE PD-1, D'UN INHIBITEUR DE HIF-2 ALPHA ET DE LENVATINIB OU D'UN SEL PHARMACEUTIQUEMENT ACCEPTABLE ASSOCI**
[72] PERINI, RODOLFO FLEURY, US
[72] PINHEIRO, ELAINE M., US
[72] WILLEMANN ROGERIO, JAQUELINE, US
[71] MERCK SHARP & DOHME LLC, US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
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[54] **DEVICE FOR COOLING FLUE GAS ORIGINATING FROM A PLANT FOR THE PRODUCTION OF ALUMINUM BY FUSED-SALT ELECTROLYSIS AND PLANT IMPLEMENTING SUCH A DEVICE**
[54] **DISPOSITIF DE REFROIDISSEMENT DES GAZ D'EVACUATION PROVENANT D'UNE INSTALLATION DE PRODUCTION D'ALUMINIUM PAR ELECTROLYSE IGNEE ET INSTALLATION METTANT EN ?UVRE UN TEL DISPOSITIF**
[72] GIRAULT, GUILLAUME EMMANUEL, FR
[71] REEL ALESA, FR
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[54] **OIL FREE THREE-STAGE RECIPROCATING COMPRESSOR AND CO2 SYSTEM COMPRISING SUCH A COMPRESSOR**
[54] **COMPRESSEUR ALTERNATIF A TROIS ETAGES SANS HUILE ET SYSTEME DE CO2 COMPRENANT UN TEL COMPRESSEUR**
[72] DALUM, KIM CHRISTIAN, DK
[71] DALUM BEVERAGE EQUIPMENT APS, DK
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[54] **RENFORCEMENT PAR NANOFIBRES D'HYDROGELS FIXES**
[72] WILEY, BENJAMIN J., US
[72] TONG, HUAYU, US
[72] ZHAO, JIACHENG, US
[71] DUKE UNIVERSITY, US
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[54] **ENDOSCOPIC SURGERY LEARNING ASSISTANCE METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'ASSISTANCE A L'APPRENTISSAGE DE LA CHIRURGIE ENDOSCOPIQUE**
[72] GALLET, PATRICE, FR
[72] FAVIER, VALENTIN, FR
[72] CINI, GUILLAUME, FR
[72] RUMEAU, CECILE, FR
[71] UNIVERSITE DE LORRAINE, FR
[71] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE NANCY, FR
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[54] **CACHE-BOUTON**
[72] MALAWIYA, IFTIKAR, CA
[72] ZDRILIC, BRANDON, CA
[71] MZ SERVICES LTD., CA
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[54] **COMBUSTION INCOMPLETE EN TANT QUE MOYEN DE REDUCTION DES EMISSIONS DE DIOXYDE DE CARBONE**
[72] UMEALU, SAMUEL OKECHUKWU, AU
[71] UMEALU, SAMUEL OKECHUKWU, AU
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING SARS-COV-2 INFECTION USING CARBOXYAMIDOTRIAZOLE OROTATE**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'INFECTION PAR LE SARS-COV-2 AU MOYEN D'OROTATE DE CARBOXYAMIDOTRIAZOLE**
[72] KARMALI, RASHIDA, US
[71] TACTICAL THERAPEUTICS, INC, US
[85] 2023-01-12
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[54] **COMPOUND USEFUL AS CDK7 KINASE INHIBITOR AND USE THEREOF**
[54] **COMPOSE UTILE EN TANT QU'INHIBITEUR DE KINASE CDK7 ET SON UTILISATION**
[72] LI, JUN, CN
[72] LIANG, APENG, CN
[72] WU, YUSHENG, CN
[72] DONG, SHENGLI, CN
[72] LI, MEIHUA, CN
[72] NIU, CHENGSHAN, CN
[71] TYK MEDICINES, INC., CN
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[30] CN (202010722999.6) 2020-07-24
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[54] **INTERCONNECTING BLOCK SYSTEM AMD ASSEMBLY**
[54] **ENSEMBLE AMD DE SYSTEME DE BLOC D'INTERCONNEXION**
[72] O'CONNOR, ANTHONY CHARLES, AU
[71] TOCO BLOX PTY LTD., AU
[85] 2023-02-01
[86] 2021-08-11 (PCT/AU2021/050885)
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[54] **VEHICLE PROTECTION SYSTEM TO SECURE A PROTECTIVE COVERING TO AN AXLE OF A VEHICLE**
[54] **SYSTEME DE PROTECTION DE VEHICULE POUR FIXER UN REVETEMENT DE PROTECTION A UN ESSIEU DE VEHICULE**
[72] BOWEN, GREGORY, US
[72] SMITH, TODD, US
[72] PATTERSON, ZACKARY, US
[71] RV-DE-FENDER, LLC, US
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[25] EN
[54] **RAPID CONSOLIDATION AND COMPACTION METHOD FOR SOIL IMPROVEMENT OF VARIOUS LAYERS OF SOILS AND INTERMEDIATE GEOMATERIALS IN A SOIL DEPOSIT**
[54] **PROCEDE DE CONSOLIDATION ET DE COMPACTAGE RAPIDE POUR L'AMELIORATION DU SOL DE DIVERSES COUCHES DE SOLS ET DE GEOMATERIAUX INTERMEDIAIRES DANS UN DEPOT DE SOL**
[72] GUPTA, RAMESH CHANDRA, US
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[72] MALAEB, WADDAH ARKAN, QA
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[54] **FORMING ACETIC ACID BY THE SELECTIVE OXIDATION OF LIGHT HYDROCARBONS**
[54] **FORMATION D'ACIDE ACETIQUE PAR OXYDATION SELECTIVE D'HYDROCARBURES LEGERS**
[72] GOODARZNIA, SHAHIN, CA
[72] OLAYIWOLA, BOLAJI, CA
[72] SIMANZHENKOV, VASILY, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[54] **A SYSTEM AND METHOD FOR PROVIDING ASSISTANCE DURING BOTTLE-FEEDING**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UNE AIDE PENDANT UN ALLAITEMENT AU BIBERON**
[72] JASCHKE, LENA MARIA, NL
[72] SINGHVI, PRIYANKA, NL
[72] KOCKX, FRANCISCUS NICOLAAS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[25] EN
[54] **COMPOUND FOR TARGETING AND DEGRADING PROTEIN, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE PERMETTANT DE CIBLER ET DE DEGRADER UNE PROTEINE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] FENG, YAN, CN
[72] LI, SHIQIANG, CN
[71] SHANGHAI LEADINGTAC PHARMACEUTICAL CO., LTD., CN
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[54] **AQUEOUS CAPSULE SUSPENSION CONCENTRATES COMPRISING BIODEGRADABLE ESTER GROUPS**
[54] **CONCENTRATS AQUEUX DE SUSPENSION POUR CAPSULES COMPRENANT DES GROUPES ESTER BIODEGRADABLES**
[72] KRAUSE, JENS, DE
[72] EGGER, HOLGER, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **CLEAN RINSE HAIR CONDITIONER COMPOSITIONS CONTAINING BRASSICYL VALINATE ESYLATE**
[54] **COMPOSITIONS D'APRES-SHAMPOOING A RINCAGE PROPRE CONTENANT DE L'ESYLATE DE VALINATE DE BRASSICYLE (BVE)**
[72] ZHAO, JEAN JIANQUN, US
[72] FOCHT, HEATHER LYNN, US
[72] CARITHERS, KRISTI LYNN, US
[72] WILL, SUSANNE, DE
[72] WITTE, LINA AURORA, US
[72] WEBBER, JOHN THOMAS, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **MAIS TRANSGENIQUE INIR6**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (17/302,110) 2021-04-23
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[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
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[54] **MAIS TRANSGENIQUE INIR11**
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[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
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[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[54] **INIR17 TRANSGENIC MAIZE**
[54] **MAIS TRANSGENIQUE INIR17**
[72] PRICE, JOSHUA L., US
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-23
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[30] US (63/059,963) 2020-07-31
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[30] US (17/249,640) 2021-03-08
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[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[25] EN
[54] **INHT31 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INHT31**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[72] RODRIGUEZ LEAL, DANIEL, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (63/059,963) 2020-07-31
[30] US (63/199,930) 2021-02-03
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[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
[30] US (63/201,029) 2021-04-09
[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
[30] US (17/302,121) 2021-04-23
[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[54] **INHT26 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INHT26**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[72] RODRIGUEZ LEAL, DANIEL, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (63/199,949) 2021-02-04
[30] US (63/199,951) 2021-02-04
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[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
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[25] EN
[54] **GENERATION OF PLANTS WITH IMPROVED TRANSGENIC LOCI BY GENOME EDITING**
[54] **GENERATION DE PLANTES AVEC DES LOCI TRANSGENIQUES AMELIORES PAR EDITION GENOMIQUE**
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[72] VAN EX, FREDERIC, US
[72] ELATA, ALEXANDRA, US
[72] RODRIGUEZ LEAL, DANIEL, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (63/199,951) 2021-02-04
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[30] US (17/249,640) 2021-03-08
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[25] EN
[54] **EXPEDITED BREEDING OF TRANSGENIC CROP PLANTS BY GENOME EDITING**
[54] **REPRODUCTION RAPIDE DE PLANTES CULTIVEES TRANSGENIQUES PAR EDITION GENOMIQUE**
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[72] VAN EX, FREDERIC, US
[72] ELATA, ALEXANDRA, US
[72] RODRIGUEZ LEAL, DANIEL, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-23
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[30] US (63/059,813) 2020-07-31
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[25] EN
[54] **GENOME EDITING OF TRANSGENIC CROP PLANTS WITH MODIFIED TRANSGENIC LOCI**
[54] **EDITION DE GENOME DE PLANTES CULTIVEES TRANSGENIQUES AVEC DES LOCI TRANSGENIQUES MODIFIES**
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[72] VAN EX, FREDERIC, US
[72] ELATA, ALEXANDRA, US
[72] RODRIGUEZ LEAL, DANIEL, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-23
[86] 2021-07-26 (PCT/US2021/043161)
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[30] US (63/059,963) 2020-07-31
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[25] EN
[54] **CRYSTAL FORMS OF 2-[4-[(2,3,4-TRIMETHOXYPHENYL)METHYL]PIPERAZIN-1-YL]ETHYL PYRIDINE-3-CARBOXYLATE AND METHODS OF SYNTHESIS**
[54] **FORMES CRISTALLINES DE 2-[4-[(2,3,4-TRIMETHOXYPHENYL)METHYL]PIPERAZIN-1-YL]ETHYL PYRIDINE-3-CARBOXYLATE ET PROCEDES DE SYNTHESE**
[72] BUCKLEY, NEIL, US
[72] BELMONT, DAN, US
[72] BETHUNE, SARAH, US
[72] DIAZ, KRISTA, US
[72] HAUSER, BRYAN, US
[72] KIM, MYOUNG GOO, US
[72] KANNAN, KUMAR, US
[71] IMBRIA PHARMACEUTICALS, INC., US
[85] 2022-12-23
[86] 2021-06-28 (PCT/US2021/039305)
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[25] EN
[54] **MODULAR GUN SYSTEM**
[54] **SYSTEME D'ARME A FEU MODULAIRE**
[72] DYESS, ADAM, US
[72] SOKOLOVE, CHRISTOPHER BRIAN, US
[72] BRADLEY, RYAN, US
[72] VELIZ, JULIO CESAR, US
[71] HUNTING TITAN, INC., US
[85] 2022-12-23
[86] 2021-06-26 (PCT/US2021/039278)
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[25] EN
[54] **WOVEN/KNITTED FABRIC AND GARMENT CONTAINING SAME**
[54] **TISSU TISSE/TRICOTE ET VETEMENT CONTENANT LEDIT TISSU**
[72] NAKAMICHI, SHINYA, JP
[72] INADA, KOJIRO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2022-12-13
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[51] **Int.Cl. G16H 10/40 (2018.01) G16H 40/20 (2018.01) G16H 50/80 (2018.01)**
[25] EN
[54] **GLOBAL BIO-SURVEILLANCE AND RESPONSE SYSTEM**
[54] **SYSTEME MONDIAL DE BIOSURVEILLANCE ET DE REPONSE**
[72] WOHLSTADTER, JACOB N., US
[72] VOCK, MICHAEL, US
[72] CLINTON, CHARLES M., US
[72] SIGAL, GEORGE, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2022-12-25
[86] 2021-06-25 (PCT/US2021/039268)
[87] (WO2021/263215)
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[51] **Int.Cl. A01N 57/20 (2006.01) A01N 25/02 (2006.01) A01N 37/40 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **AUXIN HERBICIDE AND L-GLUFOSINATE MIXTURES**
[54] **MELANGES DE L-GLUFOSINATE ET D'HERBICIDES A BASE D'AUXINE**
[72] HEMMINGHAUS, JOHN W., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-12-23
[86] 2021-06-25 (PCT/US2021/039187)
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[51] **Int.Cl. A61M 39/02 (2006.01)**
[25] EN
[54] **SUBCUTANEOUS PORT FOR MINIMALLY INVASIVE IMPLANTATION**
[54] **ORIFICE SOUS-CUTANE POUR IMPLANTATION MINIMALEMENT INVASIVE**
[72] TAL, MICHAEL GABRIEL, IL
[71] PORTAL ACCESS, INC., US
[85] 2022-12-26
[86] 2021-07-07 (PCT/US2021/040699)
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[30] US (PCT/US2020/041140) 2020-07-08
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[51] **Int.Cl. H04W 4/029 (2018.01) H04W 4/06 (2009.01) H04W 24/10 (2009.01) H04W 36/00 (2009.01) H04W 36/32 (2009.01) H04W 64/00 (2009.01)**
[25] EN
[54] **LOCATION REPORTING IN A WIRELESS TELECOMMUNICATIONS NETWORK, SUCH AS FOR LIVE BROADCAST DATA STREAMING**
[54] **SIGNALEMENT D'EMPLACEMENTS DANS UN RESEAU DE TELECOMMUNICATIONS SANS FIL, PAR EXEMPLE POUR LA DIFFUSION EN CONTINU DE DONNEES DE DIFFUSION EN DIRECT**
[72] RAHMAN, MUHAMMAD TAWHIDUR, US
[71] T-MOBILE USA, INC., US
[85] 2022-12-23
[86] 2021-06-21 (PCT/US2021/038299)
[87] (WO2021/262614)
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[25] EN
[54] **MULTI-SENSOR VEHICLE POSITIONING SYSTEM EMPLOYING SHARED DATA PROTOCOL**
[54] **SYSTEME DE POSITIONNEMENT DE VEHICULE A CAPTEURS MULTIPLES UTILISANT UN PROTOCOLE DE DONNEES PARTAGEES**
[72] HANCZOR, ROBERT, US
[72] GARCIA, DAVID, US
[72] MAXWELL, DUANE, US
[71] PIPER NETWORKS, INC., US
[85] 2022-12-23
[86] 2021-06-21 (PCT/US2021/038268)
[87] (WO2021/262606)
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[13] A1
[51] **Int.Cl. H02S 50/10 (2014.01) G01N 21/94 (2006.01) G01R 29/24 (2006.01)**
[25] EN
[54] **SOLAR DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES SOLAIRES**
[72] FISHER, BRYAN, US
[72] MATTHEIS, CATLIN, US
[72] LEWIS, SCOTT, US
[71] FRACSUN INC., US
[85] 2022-12-23
[86] 2020-07-08 (PCT/US2020/041280)
[87] (WO2022/010477)

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[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/50 (2006.01) A61P 11/06 (2006.01) A61P 25/04 (2006.01) A61P 25/06 (2006.01) C07D 213/75 (2006.01) C07D 237/20 (2006.01)**
[25] EN
[54] **SUBSTITUTED N-PHENYLACETAMIDES HAVING P2X4 RECEPTOR ANTAGONISTIC ACTIVITY**
[54] **N-PHENYLACETAMIDES SUBSTITUES AYANT UNE ACTIVITE ANTAGONISTE DU RECEPTEUR P2X4**
[72] BAURLE, STEFAN, DE
[72] RING, SVEN, DE
[72] NAGEL, JENS, DE
[72] LAUX-BIEHLMANN, ALEXIS, DE
[72] NUBBEMEYER, REINHARD, DE
[72] POOK, ELISABETH, DE
[72] WITTROCK, SVEN, DE
[72] WALTER, DARYL SIMON, GB
[72] SCOTT, ROBERT JOHN, GB
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-12-23
[86] 2021-06-28 (PCT/EP2021/067713)
[87] (WO2022/002859)
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[30] EP (21151884.0) 2021-01-15

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[51] **Int.Cl. H04B 1/10 (2006.01)**
[25] EN
[54] **NETWORK CONNECTION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE CONNEXION DE RESEAU, DISPOSITIF ELECTRONIQUE ET SUPPORT DE STOCKAGE**
[72] HUANG, GUANMING, CN
[72] SHANG, XIN, CN
[71] ZHEJIANG GEELY HOLDING GROUP CO., LTD, CN
[71] ZHEJIANG LIANKONG TECHNOLOGIES CO., LTD., CN
[85] 2022-12-27
[86] 2020-06-29 (PCT/CN2020/098944)
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[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/416 (2006.01) A61K 31/50 (2006.01) A61K 31/551 (2006.01) A61P 27/02 (2006.01) C07D 213/75 (2006.01) C07D 237/20 (2006.01)**
[25] EN
[54] **USE OF N-PHENYLACETAMIDES HAVING P2X4 RECEPTOR ANTAGONISTIC ACTIVITY FOR TREATING CERTAIN OCULAR DISORDERS**
[54] **UTILISATION DE N-PHENYLACETAMIDES AYANT UNE ACTIVITE ANTAGONISTE DU RECEPTEUR P2X4 POUR LE TRAITEMENT DE CERTAINS TROUBLES OCULAIRES**
[72] BAURLE, STEFAN, DE
[72] SCHUBERT, WILLIAM, DE
[72] NAGEL, JENS, DE
[72] TERJUNG, CARSTEN, DE
[72] FINIS, DAVID, DE
[72] YIU, SAMUEL, US
[72] LIN, HUI, US
[72] CHEN, MINJIE, US
[72] SEO, STEFANIE, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-12-23
[86] 2021-06-28 (PCT/EP2021/067714)
[87] (WO2022/002860)
[30] EP (20183306.8) 2020-06-30
[30] EP (21151884.0) 2021-01-15
[30] US (63/202,797) 2021-06-24

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[51] **Int.Cl. G01N 21/956 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND DEVICE FOR MEAT MARBLING ASSESSMENT**
[54] **SYSTEME, PROCEDE ET DISPOSITIF D'EVALUATION DE PERSILLAGE DE LA VIANDE**
[72] NGADI, MICHAEL, CA
[72] LIU, LI, CA
[72] AHMED, IMRAN, CA
[72] GU, ZHAOHUI, CA
[72] THIRUPPATHI, SENTHILKUMAR, CA
[72] DERAKHSHAN HOREH, MAHMOUD, CA
[71] MATRIXSPEC SOLUTIONS INC., CA
[85] 2022-12-28
[86] 2021-07-06 (PCT/CA2021/050922)
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[51] **Int.Cl. A61K 35/30 (2015.01) C12N 5/077 (2010.01) C12N 5/0793 (2010.01) A61K 35/34 (2015.01)**
[25] EN
[54] **A METHOD FOR GENERATING A THREE-DIMENSIONAL NEUROMUSCULAR ORGANOID IN VITRO**
[54] **PROCEDE DE GENERATION IN VITRO D'UN ORGANOIDE NEUROMUSCULAIRE TRIDIMENSIONNEL**
[72] GKOUTI, ASIMINA, DE
[71] MAX-DELBRUCK-CENTRUM FUR MOLEKULARE MEDIZIN IN DER HELMHOLTZ-GEMEINSCHAFT, DE
[85] 2022-12-23
[86] 2021-07-12 (PCT/EP2021/069325)
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[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 50/06 (2012.01) H02S 10/00 (2014.01)**
[25] EN
[54] **OPTIMIZATION DESIGN METHOD FOR PHOTOVOLTAIC SYSTEM BY TAKING SYSTEM BENEFIT OPTIMIZATION AS TARGET**
[54] **PROCEDE DE CONCEPTION D'OPTIMISATION POUR SYSTEME PHOTOVOLTAIQUE PAR PRISE D'UNE OPTIMISATION DE BENEFICE DE SYSTEME EN TANT QUE CIBLE**
[72] FAN, ZHONGYAO, CN
[72] MU, JUAN, CN
[72] YI, JINYIN, CN
[72] LI, QIAN, CN
[72] NING, HONGTAO, CN
[72] NIU, HAIFENG, CN
[72] MA, CHI, CN
[72] TANG, JIANFANG, CN
[71] CGN WIND POWER CO. LTD, CN
[85] 2022-12-28
[86] 2021-06-30 (PCT/CN2021/103575)
[87] (WO2022/002136)
[30] CN (202010623222.4) 2020-07-01

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[51] **Int.Cl. A23L 11/50 (2021.01) A23L 25/00 (2016.01)**
[25] EN
[54] **FOOD PRODUCTS COMPRISING FUNGAL MYCELIUM, PROCESS FOR THEIR PREPARATION AND USES THEREOF**
[54] **PRODUITS ALIMENTAIRES COMPRENANT DU MYCELIUM FONGIQUE, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] FELDMAN, DARIA, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[71] KINOKO - TECH LTD, IL
[85] 2022-12-23
[86] 2021-10-27 (PCT/IL2021/051270)
[87] (WO2022/091089)
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[25] EN
[54] **ROD LENS ARRAY, OPTICAL DEVICE, IMAGE SENSOR, PRINTER, INSPECTION APPARATUS, BASE GLASS COMPOSITION FOR GRADIENT-INDEX ROD LENS, AND METHOD OF MANUFACTURING GRADIENT-INDEX ROD LENS**
[54] **RESEAU DE LENTILLES DE TIGE, EQUIPEMENT OPTIQUE, CAPTEUR D'IMAGE, IMPRIMANTE, DISPOSITIF D'INSPECTION, COMPOSITION DE VERRE MERE POUR LENTILLE DE TIGE DE TYPE A DISTRIBUTION D'IND ICE DE REFRACTION, ET PROCEDE DE FABRICATION DE LENTILLE DE TIGE DE TYPE A DISTRIBUTION D'INDICE DE REFRACTION**
[72] KATO, HIROAKI, JP
[72] TANIGUCHI, SATOSHI, JP
[72] KANEKO, TOKUSHI, JP
[72] YAMANE, TSUYOSHI, JP
[72] SATO, KENICHI, JP
[72] TAKAGI, TOMITAKA, JP
[71] NIPPON SHEET GLASS COMPANY, LIMITED, JP
[85] 2022-12-23
[86] 2021-06-14 (PCT/JP2021/022591)
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[30] JP (2020-109817) 2020-06-25

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[51] **Int.Cl. A01H 1/00 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **INIR6 TRANSGENIC MAIZE**
[54] **MAIS TRANSGENIQUE INIR6**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-23
[86] 2021-07-28 (PCT/US2021/043496)
[87] (WO2022/026574)
[30] US (63/059,813) 2020-07-31
[30] US (63/059,860) 2020-07-31
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[30] US (63/199,949) 2021-02-04
[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
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[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
[30] US (PCT/US2021/043192) 2021-07-26
[30] US (PCT/US2021/043207) 2021-07-26

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[51] **Int.Cl. B01D 3/32 (2006.01) C07C 51/44 (2006.01)**
[25] EN
[54] **DEVICE FOR CARRYING OUT MATERIAL EXCHANGE PROCESSES**
[54] **DISPOSITIF POUR LA MISE EN OEUVRE DE PROCESSUS D'ECHANGE DE MATIERE**
[72] METZEN, BERND, DE
[72] KUNKELMANN, CHRISTIAN, DE
[72] LANG, ORTMUND, DE
[72] KRAMP, MARVIN, DE
[72] HECHLER, CLAUS, DE
[71] BASF SE, DE
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[86] 2021-06-17 (PCT/EP2021/066379)
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[13] A1
[51] **Int.Cl. A61G 7/10 (2006.01)**
[25] EN
[54] **PATIENT HANDLING APPARATUS**
[54] **APPAREIL DE DEPLACEMENT DE PATIENT**
[72] NILSSON, RICHARD, SE
[72] JONSSON, JORGEN PER, SE
[72] LUNDQUIST, ANDERS, SE
[72] BACKMAN, JON, SE
[71] ARJO IP HOLDING AKTIEBOLAG, SE
[85] 2022-12-28
[86] 2021-06-17 (PCT/EP2021/066412)
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[51] **Int.Cl. A61G 7/10 (2006.01) G01G 19/44 (2006.01)**
[25] EN
[54] **PATIENT HANDLING APPARATUS**
[54] **APPAREIL DE MANIPULATION DE PATIENT**
[72] BACKMAN, JON ANDREAS, SE
[71] ARJO IP HOLDING AKTIEBOLAG, SE
[85] 2022-12-28
[86] 2021-06-17 (PCT/EP2021/066413)
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[30] SE (2050850-3) 2020-07-06

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[51] **Int.Cl. G07D 11/125 (2019.01) G07D 11/225 (2019.01) G07D 11/30 (2019.01)**
[25] EN
[54] **SECURE CONTAINER FOR STORING OR TRANSPORTING VALUE DOCUMENTS, AND SYSTEM FOR SECURING STORAGE AND TRANSPORTATION OF VALUE DOCUMENTS**
[54] **CONTENANT SECURISE DE STOCKAGE OU DE TRANSPORT DE DOCUMENTS DE VALEUR, ET SYSTEME DE SECURISATION DE STOCKAGE ET DE TRANSPORT DE DOCUMENTS DE VALEUR**
[72] DEMANGE, RAYNALD, CH
[72] MAYER, ALAIN, CH
[72] NICOLOV, KALIN, CH
[72] SUICHIES, BART, CH
[72] REINHARD, CHRISTINE, CH
[71] SICPA HOLDING SA, CH
[85] 2022-12-28
[86] 2021-06-25 (PCT/EP2021/067528)
[87] (WO2022/002793)
[30] EP (20183032.0) 2020-06-30

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[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **A DATABASE SERVER SYSTEM**
[54] **SYSTEME DE SERVEUR DE BASE DE DONNEES**
[72] BOESGAARD, MARTIN STAAL, DK
[71] PII GUARD APS, DK
[85] 2022-12-28
[86] 2021-06-29 (PCT/EP2021/067881)
[87] (WO2022/002959)
[30] EP (20183234.2) 2020-06-30
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[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2023.01) G05B 19/418 (2006.01)**
[25] EN
[54] **A CONTROLLER AND METHOD FOR TRANSPORTING DEVICES**
[54] **DISPOSITIF DE COMMANDE ET PROCEDE ASSOCIES A DES DISPOSITIFS DE TRANSPORT**
[72] STADIE, ROBERT, GB
[72] CZARNY, ANDRZEJ, GB
[72] OLIVER, THOMAS, GB
[72] SIRET, GARETH, GB
[72] BRETT, CHRISTOPHER RICHARD JAMES, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2022-12-28
[86] 2021-07-15 (PCT/EP2021/069780)
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[30] GB (2011000.3) 2020-07-16

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[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01)**
[25] EN
[54] **UPGRADED RECYCLED POLYETHYLENE POLYPROPYLENE BLEND**
[54] **MELANGE DE POLYPROPYLENE-POLYETHYLENE RECYCLE AMELIORE**
[72] DEFOER, JOHAN, BE
[72] AJELLAL, NOUREDDINE, FI
[72] KAHLEN, SUSANNE, AT
[71] BOREALIS AG, AT
[85] 2022-12-28
[86] 2021-07-29 (PCT/EP2021/071257)
[87] (WO2022/023469)
[30] EP (20188512.6) 2020-07-30

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[13] A1
[51] **Int.Cl. A61K 31/42 (2006.01) A61P 25/18 (2006.01)**
[25] EN
[54] **TREATMENT OF COGNITIVE IMPAIREMENT ASSOCIATED WITH SCHIZOPHRENIA**
[54] **TRAITEMENT DE LA DEFICIENCE COGNITIVE ASSOCIEE A LA SCHIZOPHRENIE**
[72] PODHORNA, JANA, DE
[72] ROSENBROCK, HOLGER, DE
[72] YUM, SUNYONG, DE
[72] ZHAO, YIHUA, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-12-28
[86] 2021-08-11 (PCT/EP2021/072404)
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[13] A1
[51] **Int.Cl. F41A 19/33 (2006.01) F41A 19/46 (2006.01)**
[25] EN
[54] **SAFETY SELECTOR FOR A FIREARM**
[54] **UNITE DE SELECTION DE TIR POUR UNE ARME A FEU**
[72] KASTRUN, MARIO, AT
[72] NOLTE, PATRICK, AT
[72] MARKUT, KARL, AT
[71] GLOCK TECHNOLOGY GMBH, AT
[85] 2022-12-28
[86] 2021-12-14 (PCT/EP2021/085700)
[87] (WO2022/148614)
[30] EP (21150933.6) 2021-01-11

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[13] A1
[51] **Int.Cl. C07D 487/08 (2006.01)**
[25] EN
[54] **PREPARATION OF A PYRIMIDINYL-3,8-DIAZABICYCLO[3.2.1]OCTANYL METHANONE DERIVATIVE AND SALT THEREOF**
[54] **PREPARATION D'UN DERIVE DE PYRIMIDINYL-3,8-DIAZABICYCLO[3.2.1]OCTANYL METHANONE ET SEL DE CELUI-CI**
[72] GOETZ, ADAM EDWARD, US
[72] RUGGERI, SALLY GUT, US
[72] SINGER, ROBERT ALAN, US
[71] PFIZER INC., US
[85] 2022-12-28
[86] 2021-06-30 (PCT/IB2021/055854)
[87] (WO2022/003584)
[30] US (63/047,590) 2020-07-02

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[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/70 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMBINATION OF ZIBOTENTAN AND DAPAGLIFLOZIN FOR THE TREATMENT OF CHRONIC KIDNEY DISEASE**
[54] **COMBINAISON DE ZIBOTENTAN ET DE DAPAGLIFLOZINE POUR LE TRAITEMENT D'UNE MALADIE RENALE CHRONIQUE**
[72] GREASLEY, PETER, SE
[72] AHLSTROM, CHRISTINE, SE
[72] SKRTIC, STANKO, SE
[72] MENZIES, ROBERT, SE
[71] ASTRAZENECA AB, SE
[85] 2022-12-28
[86] 2021-07-09 (PCT/IB2021/056177)
[87] (WO2022/009163)
[30] US (63/050,147) 2020-07-10
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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 38/16 (2006.01) C07K 14/005 (2006.01) C12N 15/33 (2006.01)**
[25] EN
[54] **STABILIZED CORONAVIRUS SPIKE (S) PROTEIN IMMUNOGENS AND RELATED VACCINES**
[54] **IMMUNOGENES DE PROTEINE DE SPICULE (S) DE CORONAVIRUS STABILISE ET VACCINS ASSOCIES**
[72] HE, LINLING, US
[72] ZHU, JIANG, US
[72] WILSON, IAN A., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2022-12-28
[86] 2020-10-01 (PCT/US2020/053714)
[87] (WO2022/005503)
[30] US (63/045,557) 2020-06-29
[30] US (17/019,825) 2020-09-14

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[13] A1
[51] **Int.Cl. C07D 209/16 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **PROCESSES FOR MAKING SERD TRICYCLIC COMPOUNDS HAVING A SUBSTITUTED PHENYL OR PYRIDINYL MOIETY**
[54] **PROCEDES DE FABRICATION DE COMPOSES TRICYCLIQUES SERD AYANT UN FRAGMENT PHENYLE OU PYRIDINYLE SUBSTITUE**
[72] ZHANG, HAIMING, US
[72] XU, JIE, US
[72] WUITSCHIK, GEORG, CH
[72] ANGELAUD, REMY, US
[72] HEROLD, SEBASTIAN, CH
[72] STUTZ, ALFRED, CH
[72] BRUETSCH, TOBIAS, CH
[72] BURKHARD, JOHANNES, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] GENENTECH, INC., US
[85] 2022-12-28
[86] 2021-06-28 (PCT/US2021/039325)
[87] (WO2022/005943)
[30] US (63/046,216) 2020-06-30

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[25] EN
[54] **ARTIFICIAL INTELLIGENCE FOR KEYWORD RECOMMENDATION**
[54] **INTELLIGENCE ARTIFICIELLE POUR RECOMMANDATION DE MOTS-CLES**
[72] CARMODY, DAN, US
[72] TYUTINA, YULIA, US
[72] STEVENS, MICHAEL, US
[72] MAJUMDAR, ADITYA, US
[72] BAJARIA, VIRAL, US
[72] SASSAMAN, STEVEN, US
[71] 6SENSE INSIGHTS, INC., US
[85] 2022-12-28
[86] 2021-06-29 (PCT/US2021/039652)
[87] (WO2022/006135)
[30] US (63/045,693) 2020-06-29

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[13] A1
[51] **Int.Cl. G02B 6/12 (2006.01) H04Q 11/00 (2006.01)**
[25] EN
[54] **RASTER MULTIPLEXING IN PHOTONIC CIRCUITS**
[54] **MULTIPLEXAGE DE TRAME DANS DES CIRCUITS PHOTONIQUES**
[72] CABLE, HUGO, US
[71] PSIQUANTUM, CORP., US
[85] 2022-12-28
[86] 2021-06-29 (PCT/US2021/039702)
[87] (WO2022/006166)
[30] US (63/047,093) 2020-07-01
[30] US (63/047,731) 2020-07-02

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) C07C 59/185 (2006.01) C07C 59/19 (2006.01)**
[25] EN
[54] **CELLULAR ENERGY INHIBITOR FORMULATIONS FOR THE TREATMENT OF PATHOGENIC INFECTIONS AND ASSOCIATED METHODS**
[54] **FORMULATIONS D'INHIBITEUR D'ENERGIE CELLULAIRE POUR LE TRAITEMENT D'INFECTIONS PATHOGENIQUES ET PROCEDES ASSOCIES**
[72] KO, YOUNG HEE, US
[71] KODISCOVERY, LLC, US
[85] 2022-12-28
[86] 2021-06-29 (PCT/US2021/039722)
[87] (WO2022/006184)
[30] US (62/705,475) 2020-06-29

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[13] A1
[51] **Int.Cl. A01N 59/02 (2006.01) A23L 3/358 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS ANTIMICROBIENNES ET LEURS UTILISATIONS**
[72] CREASEY, DAVID H., US
[72] MCCALL, IV, SAMUEL HORACE, US
[71] ITI TECHNOLOGIES, INC., US
[85] 2022-12-28
[86] 2021-06-30 (PCT/US2021/039842)
[87] (WO2022/006242)
[30] US (63/046,194) 2020-06-30

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6804 (2018.01) C12Q 1/6818 (2018.01) G01N 33/574 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTION OF LUNG CANCER**
[54] **COMPOSITIONS ET METHODES POUR LA DETECTION DU CANCER DU POUMON**
[72] SEDLAK, JOSEPH CHARLES, US
[72] BORTOLIN, LAURA TERESA, US
[72] SALEM, DANIEL PARKER, US
[72] WINN-DEEN, EMILY SUSAN, US
[72] GUSENLEITNER, DANIEL, US
[72] COUVILLON, ANTHONY DAVID, US
[71] MERCY BIOANALYTICS, INC., US
[85] 2022-12-28
[86] 2021-07-08 (PCT/US2021/040971)
[87] (WO2022/011197)
[30] US (63/049,538) 2020-07-08

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[13] A1
[51] **Int.Cl. C09K 3/18 (2006.01) B32B 27/40 (2006.01) C23C 4/10 (2016.01)**
[25] EN
[54] **ENERGETICALLY BONDED ALUMINUM AND OLEOPHOBIC/HYDROPHOBIC COATINGS FOR SUBSTRATE**
[54] **REVETEMENTS OLEOPHOBES/HYDROPHOBES ET D'ALUMINIUM LIES ENERGETIQUEMENT POUR SUBSTRAT**
[72] DAVIS, BARRY, US
[71] FLIGHTSAFETY INTERNATIONAL INC., US
[85] 2022-12-28
[86] 2021-07-09 (PCT/US2021/041019)
[87] (WO2022/011216)
[30] US (63/049,951) 2020-07-09

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[13] A1
[51] **Int.Cl. A61P 17/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-IL-36R ANTIBODIES FOR THE TREATMENT OF NEUTROPHILIC DERMATOSES**
[54] **ANTICORPS ANTI-IL-36R POUR LE TRAITEMENT DE DERMATOSES NEUTROPHILES**
[72] FINE, JAY, US
[72] LAMAR, JANINE, DE
[72] PADULA, STEVEN JOHN, DE
[72] RAMANUJAM, MEERA, US
[72] VISVANATHAN, SUDHA, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-12-28
[86] 2021-07-15 (PCT/US2021/041734)
[87] (WO2022/015920)
[30] US (63/053,129) 2020-07-17

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **EXCISABLE PLANT TRANSGENIC LOCI WITH SIGNATURE PROTOSPACER ADJACENT MOTIFS OR SIGNATURE GUIDE RNA RECOGNITION SITES**
[54] **LOCI TRANSGENIQUES DE PLANTE EXCITABLES AYANT DES MOTIFS ADJACENTS DE PROTO-ESPACEUR DE SIGNATURE OU DES SITES DE RECONNAISSANCE D'ARN GUIDE DE SIGNATURE**
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[72] VAN EX, FREDERIC, US
[72] ELATA, ALEXANDRA, US
[72] RODRIGUEZ LEAL, DANIEL, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-26 (PCT/US2021/043192)
[87] (WO2022/026395)
[30] US (63/059,813) 2020-07-31
[30] US (63/059,860) 2020-07-31
[30] US (63/059,916) 2020-07-31
[30] US (63/059,963) 2020-07-31
[30] US (63/199,930) 2021-02-03
[30] US (63/199,949) 2021-02-04
[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
[30] US (63/201,029) 2021-04-09
[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **REMOVABLE PLANT TRANSGENIC LOCI WITH COGNATE GUIDE RNA RECOGNITION SITES**
[54] **LOCI TRANSGENIQUES DE PLANTE AMOVIBLES AYANT DES SITES DE RECONNAISSANCE D'ARN GUIDES**
[72] KOCK, MICHAEL, ANDREAS, US
[72] PRICE, JOSHUA, L., US
[72] NUCCIO, MICHAEL, LEE, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
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[30] US (63/059,813) 2020-07-31
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[30] US (63/059,916) 2020-07-31
[30] US (63/059,963) 2020-07-31
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[30] US (63/199,949) 2021-02-04
[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
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[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
[30] US (17/302,121) 2021-04-23
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[25] EN
[54] **INIR12 TRANSGENIC MAIZE**
[54] **MAIS TRANSGENIQUE INIR12**
[72] PRICE, JOSHUA L., US
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[72] VAN EX, FREDERIC, US
[72] ELATA, ALEXANDRA, US
[72] RODRIGUEZ LEAL, DANIEL, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-28 (PCT/US2021/043468)
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[30] US (63/059,860) 2020-07-31
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[30] US (17/248,936) 2021-02-12
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[30] US (17/302,110) 2021-04-23
[30] US (17/302,121) 2021-04-23
[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[25] EN
[54] **CONJUGATED HEPCIDIN MIMETICS**
[54] **MIMETIQUES D'HEPCIDINE CONJUGUES**
[72] BOURNE, GREGORY THOMAS, AU
[72] BHANDARI, ASHOK, US
[72] ZHANG, JIE, US
[72] FREDERICK, BRIAN TROY, US
[72] SMYTHE, MARK LESLIE, AU
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2022-12-28
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[30] US (63/057,574) 2020-07-28
[30] US (63/057,577) 2020-07-28
[30] US (63/057,582) 2020-07-28
[30] US (63/057,583) 2020-07-28
[30] US (63/169,515) 2021-04-01
[30] US (63/169,527) 2021-04-01
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[54] **INHT30 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INHT30**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-30 (PCT/US2021/043897)
[87] (WO2022/026824)
[30] US (63/059,813) 2020-07-31
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[30] US (63/059,916) 2020-07-31
[30] US (63/059,963) 2020-07-31
[30] US (63/199,930) 2021-02-03
[30] US (63/199,949) 2021-02-04
[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
[30] US (63/201,029) 2021-04-09
[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
[30] US (17/302,121) 2021-04-23
[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[54] **INIR4 TRANSGENIC MAIZE**
[54] **MAIS TRANSGENIQUE INIR4**
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[72] NUCCIO, MICHAEL LEE, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-30 (PCT/US2021/043919)
[87] (WO2022/026841)
[30] US (63/059,813) 2020-07-31
[30] US (63/059,860) 2020-07-31
[30] US (63/059,916) 2020-07-31
[30] US (63/059,963) 2020-07-31
[30] US (63/199,930) 2021-02-03
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[30] US (63/199,951) 2021-02-04
[30] US (17/248,936) 2021-02-12
[30] US (17/249,640) 2021-03-08
[30] US (63/201,029) 2021-04-09
[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
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[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[25] EN
[54] **INIR20 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INIR20**
[72] NUCCIO, MICHAEL LEE, US
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-30 (PCT/US2021/043933)
[87] (WO2022/026848)
[30] US (63/059,813) 2020-07-31
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[30] US (17/302,110) 2021-04-23
[30] US (17/302,121) 2021-04-23
[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
[30] US (PCT/US2021/043192) 2021-07-26
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[25] EN
[54] **INIR19 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INIR19**
[72] PRICE, JOSHUA L., US
[72] KOCK, MICHAEL ANDREAS, US
[72] NUCCIO, MICHAEL LEE, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-30 (PCT/US2021/043935)
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[30] US (63/059,813) 2020-07-31
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[30] US (63/059,963) 2020-07-31
[30] US (63/199,930) 2021-02-03
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[30] US (63/201,030) 2021-04-09
[30] US (17/302,110) 2021-04-23
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
[30] US (63/203,137) 2021-07-09
[30] US (PCT/US2021/043161) 2021-07-26
[30] US (PCT/US2021/043170) 2021-07-26
[30] US (PCT/US2021/043187) 2021-07-26
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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **INHT27 TRANSGENIC SOYBEAN**
[54] **SOJA TRANSGENIQUE INHT27**
[72] KOCK, MICHAEL ANDREAS, US
[72] PRICE, JOSHUA L., US
[72] NUCCIO, MICHAEL LEE, US
[71] INARI AGRICULTURE TECHNOLOGY, INC., US
[85] 2022-12-28
[86] 2021-07-30 (PCT/US2021/043945)
[87] (WO2022/026856)
[30] US (63/059,813) 2020-07-31
[30] US (63/059,860) 2020-07-31
[30] US (63/059,916) 2020-07-31
[30] US (63/059,963) 2020-07-31
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[30] US (17/302,110) 2021-04-23
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[30] US (17/302,739) 2021-05-11
[30] US (17/303,116) 2021-05-20
[30] US (63/202,569) 2021-06-16
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[51] **Int.Cl. H03H 21/00 (2006.01) G02B 26/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TUNING OPTICAL CAVITIES USING MACHINE LEARNING TECHNIQUES**
[54] **SYSTEMES ET PROCEDES DE REGLAGE DE CAVITE OPTIQUES UTILISANT DES TECHNIQUES D'APPRENTISSAGE AUTOMATIQUE**
[72] NAMAZI, MEHDI, US
[72] FLAMENT, MAEL, US
[72] SEKELSKY, ROURKE, US
[72] FRITZ, MICHELLE, US
[72] BELLO PORTMANN, GABRIEL, US
[71] QUNNECT, INC., US
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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CONTROLLING TREATMENT FOR A SKIN CONDITION USING A TRACER**
[54] **DISPOSITIF ET PROCEDE DE CONTROLE DU TRAITEMENT D'UNE AFFECTION CUTANEE AU MOYEN D'UN TRACEUR**
[72] EDGAR, ALBERT DURR, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2022-12-28
[86] 2021-06-29 (PCT/US2021/070789)
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[30] US (63/046,521) 2020-06-30

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[25] EN
[54] **FILTERING ASSEMBLY FOR ENHANCING LIGHTING FROM A LUMINAIRE**
[54] **ENSEMBLE DE FILTRAGE DESTINE A AMELIORER L'ECLAIRAGE PROVENANT D'UN LUMINAIRE**
[72] LEVINE, ADAM RICHARD, US
[71] LEVINE, ADAM RICHARD, US
[85] 2022-12-28
[86] 2022-01-28 (PCT/US2022/014283)
[87] (WO2022/177723)
[30] US (63/150,920) 2021-02-18
[30] US (17/347,157) 2021-06-14

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[25] EN
[54] **EIF4E-INHIBITING 4-OXO-3,4-DIHYDROPYRIDO[3,4-D]PYRIMIDINE COMPOUNDS**
[54] **COMPOSES DE 4-OXO-3,4-DIHYDROPYRIDO[3,4-D]PYRIMIDINE INHIBANT EIF4E**
[72] SPERRY, SAMUEL, US
[72] XIANG, ALAN X., US
[72] ERNST, JUSTIN T., US
[72] REICH, SIEGFRIED H., US
[72] SPRENGELER, PAUL A., US
[72] SHAGHAFI, MIKE, US
[72] MICHELS, THEO, US
[72] NILEWSKI, CHRISTIAN, US
[72] TRAN, CHINH VIET, US
[72] PACKARD, GARRICK KENNETH, US
[72] GRUBBS, ALAN, US
[72] URKALAN, KAVERI, US
[72] MUKAIYAMA, TAKASUKE, US
[71] EFFECTOR THERAPEUTICS, INC., US
[85] 2022-12-29
[86] 2020-06-30 (PCT/US2020/040299)
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[30] US (62/869,662) 2019-07-02

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[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **RAPID APPROVAL OF BLOCKCHAIN-BASED TRANSACTIONS**
[54] **APPROBATION RAPIDE DE TRANSACTIONS SUR LA BASE DE CHAINE DE BLOCS**
[72] TU, HARRY, US
[71] ALDELO, LP, US
[85] 2022-12-29
[86] 2021-06-02 (PCT/US2021/035472)
[87] (WO2022/010596)
[30] US (16/921,805) 2020-07-06

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR INCREASING HALF-LIFE OF A THERAPEUTIC AGENT IN FELINES AND METHODS OF USE**
[54] **COMPOSITIONS PERMETTANT D'AUGMENTER LA DEMI-VIE D'UN AGENT THERAPEUTIQUE CHEZ LES FELINS ET PROCEDES D'UTILISATION**
[72] BRONDYK, WILLIAM, US
[72] CHEVALIER, BRETT, US
[72] HORN, JUERGEN, US
[72] NATARAJAN, MADHUSUDAN, US
[71] INVETX, INC., US
[85] 2022-12-29
[86] 2021-06-23 (PCT/US2021/038714)
[87] (WO2022/010652)
[30] US (63/050,535) 2020-07-10
[30] US (63/143,720) 2021-01-29

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[51] **Int.Cl. G05D 11/00 (2006.01)**
[25] EN
[54] **PRODUCE PROCESSING DOSING SYSTEM**
[54] **SYSTEME DOSEUR DE CONDITIONNEMENT DE PRODUITS**
[72] STOKES, JONATHAN M., US
[72] SCHULZ, CURTIS L., US
[71] JOHN BEAN TECHNOLOGIES CORPORATION, US
[85] 2022-12-29
[86] 2021-06-25 (PCT/US2021/039101)
[87] (WO2022/005895)
[30] US (63/045,533) 2020-06-29

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[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) A01H 6/28 (2018.01) C12Q 1/6895 (2018.01)**
[25] EN
[54] **CHARACTERIZATION OF CANNABIS CULTIVARS BASED ON TERPENE SYNTHASE GENE PROFILES**
[54] **CARACTERISATION DE CULTIVARS DE CANNABIS A BASE DE PROFILS GENIQUES DE TERPENE SYNTHASE**
[72] PAULI, CHRISTOPHER STEPHEN, US
[72] TORRES, ANTHONY, US
[72] GAUDINO, REGINALD, US
[72] ALLEN, KEITH, US
[72] BLANK, THOMAS, US
[72] DE CESARE, KYMRON, US
[71] FRONT RANGE BIOSCIENCES, INC., US
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[86] 2021-06-28 (PCT/US2021/039461)
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[30] US (63/045,604) 2020-06-29

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[51] **Int.Cl. A61M 13/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC POWDER APPLICATOR**
[54] **APPLICATEUR DE POUDRE THERAPEUTIQUE**
[72] TREXLER, JONATHAN BRUCE, US
[72] SOWERBY, OLIVER, GB
[72] MCLELLAN, STEVE, GB
[72] HERD, MICHAEL, GB
[72] LOWNDES, CHARLES, GB
[72] JAMIN, JON, GB
[71] DAVOL INC., US
[85] 2022-12-29
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[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/542 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ASSAY MEASUREMENTS**
[54] **COMPOSITIONS ET PROCEDES POUR MESURES DE DOSAGE**
[72] TUCKER-SCHWARTZ, ALEXANDER K., US
[72] SIGAL, GEORGE, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2022-12-29
[86] 2021-06-30 (PCT/US2021/039835)
[87] (WO2022/006236)
[30] US (63/047,167) 2020-07-01

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[51] **Int.Cl. G16H 20/13 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **INHALER SYSTEM**
[54] **SYSTEME D'INHALATEUR**
[72] CHAN, ERIC, US
[72] MACEY, JOHN, US
[72] GOLDBERG, JON CODY, US
[72] MEOLA, JENNA-LEIGH, US
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2022-12-29
[86] 2021-07-02 (PCT/EP2021/068424)
[87] (WO2022/003199)
[30] US (63/047,680) 2020-07-02

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[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) F16L 9/12 (2006.01)**
[25] EN
[54] **POLYETHYLENE PIPE RESIN WITH HIGH RESISTANCE TO SLOW CRACK GROWTH**
[54] **RESINE DE TUYAU DE POLYETHYLENE AYANT UNE RESISTANCE ELEVEE A LA CROISSANCE LENTE DE FISSURES**
[72] BURYAK, ANDREY, AT
[72] SUMERIN, VICTOR, FI
[72] RUEMER, FRANZ, AT
[72] AARILA, JARI, FI
[72] CHENG, JOY JIE, AT
[71] BOREALIS AG, AT
[85] 2022-12-29
[86] 2021-07-07 (PCT/EP2021/068868)
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[30] EP (20185204.3) 2020-07-10

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[13] A1
[51] **Int.Cl. G06F 16/22 (2019.01)**
[25] EN
[54] **TRAITER DES REQUETES DE MISES A JOUR OU D´INSERTION DE DONNEES**
[54] **PROCESSING DATA UPDATE OR DATA INSERTION REQUESTS**
[72] GERAUD, REMI, FR
[72] KOUDOUSSI, HIBA, FR
[72] NACCACHE, DAVID, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2022-12-29
[86] 2021-07-08 (PCT/EP2021/069067)
[87] (WO2022/013071)
[30] FR (FR2007424) 2020-07-15

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[51] **Int.Cl. G08B 17/06 (2006.01) A62C 37/11 (2006.01) A62C 37/14 (2006.01) H01H 71/14 (2006.01)**
[25] EN
[54] **HEAT-ACTIVATED ALARM AND RESPONSE SYSTEM**
[54] **SYSTEME D'ALARME ET DE REPONSE ACTIVE PAR LA CHALEUR**
[72] MELCHER, TODD PATRICK, US
[71] MELCHER, TODD PATRICK, US
[85] 2022-12-29
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[87] (WO2022/006321)
[30] US (63/047,565) 2020-07-02

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[51] **Int.Cl. H04N 1/64 (2006.01) H04N 21/2343 (2011.01) H04N 21/235 (2011.01) H04N 21/63 (2011.01)**
[25] EN
[54] **DISTRIBUTION OF HIGH DYNAMIC RANGE IMAGES IN A MIXED CAPABILITY PLAYBACK SYSTEM**
[54] **DISTRIBUTION D'IMAGES A PLAGE DYNAMIQUE ELEVEE DANS UN SYSTEME DE LECTURE A CAPACITE MIXTE**
[72] ATKINS, ROBIN, US
[72] SU, GUAN-MING, US
[72] LAKSHMINARAYANAN, GOPI, US
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[85] 2022-12-29
[86] 2021-06-30 (PCT/US2021/040004)
[87] (WO2022/006346)
[30] EP (20183398.5) 2020-07-01
[30] US (63/046,796) 2020-07-01

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[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/04 (2006.01) A61B 1/227 (2006.01) A61B 5/00 (2006.01) G02B 7/02 (2021.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR ATTACHING AN OTOSCOPE**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE FIXATION D'UN OTOSCOPE**
[72] KNECHT, MAX HUNTER, US
[72] ANTON, STEPHEN, US
[72] COYLE, SEAN JAMES, US
[72] WALD, NATHAN, US
[72] SMALL, ELEANOR F., US
[72] KAMINSKY, NICOLE, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2022-12-29
[86] 2021-07-01 (PCT/US2021/040042)
[87] (WO2022/006369)
[30] US (63/047,400) 2020-07-02

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[51] **Int.Cl. C12G 3/04 (2019.01) C12G 3/06 (2006.01)**
[25] EN
[54] **ALCOHOLIC CARBONATED BEVERAGES WITH IMPROVED TASTE**
[54] **BOISSONS ALCOOLISEES GAZEUSES A GOUT AMELIORE**
[72] WILLIAMS, BEN C., US
[72] JELLA, PRASHANTHI, US
[72] FUGATE, JOHN, US
[72] WOODY, AARON, US
[72] MICHALUK, SCOTT, US
[72] SOSA, JOSE, US
[72] CARRIEDO, FERNANDO, US
[71] THE COCA-COLA COMPANY, US
[85] 2022-12-29
[86] 2021-07-01 (PCT/US2021/040048)
[87] (WO2022/006371)
[30] US (63/047,010) 2020-07-01

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[25] EN
[54] **MATERIALS HANDLING VEHICLE CHARGING SYSTEM COMPRISING A FLOOR-MOUNTED CHARGING PLATE**
[54] **SYSTEME DE CHARGE DE VEHICULE DE MANUTENTION DE MATERIAUX COMPRENANT UNE PLAQUE DE CHARGE MONTEE SUR LE SOL**
[72] TRAUTNER, FLORIAN, US
[72] SHEARRER, ROBERT, US
[72] HANNEMANN, STEFAN, US
[72] GILLILAND, KEVIN, US
[72] WIETHOLTER, ADAM, US
[71] CROWN EQUIPMENT CORPORATION, US
[85] 2022-12-29
[86] 2021-07-01 (PCT/US2021/040092)
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[51] **Int.Cl. G01R 29/18 (2006.01) G01R 25/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PHASE IDENTIFICATION USING RELATIVE PHASE ANGLE MEASUREMENTS**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE PHASE A L'AIDE DE MESURES D'ANGLES DE PHASE RELATIFS**
[72] FLECK, CHRISTOPHER, US
[72] SMITH, ROGER, US
[72] ROSS, REBECCA, US
[72] HAYNES, DAVID, US
[71] ACLARA TECHNOLOGIES LLC, US
[85] 2022-12-29
[86] 2021-07-01 (PCT/US2021/040116)
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[51] **Int.Cl. C08F 2/44 (2006.01) C08F 20/00 (2006.01) C09K 3/10 (2006.01) H01G 9/20 (2006.01)**
[25] EN
[54] **PHOTOCURABLE COMPOSITION**
[54] **COMPOSITION PHOTODURCISSABLE**
[72] OHASHI, YURI, JP
[72] HOSHINO, HAYATO, JP
[72] HARADA, WATARU, JP
[71] KOBAYASHI & CO.,LTD., JP
[85] 2022-12-28
[86] 2021-10-18 (PCT/JP2021/038391)
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[30] JP (2020-182737) 2020-10-30

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[51] **Int.Cl. C07K 7/02 (2006.01) A61K 38/00 (2006.01) A61K 38/08 (2019.01) A61P 25/04 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDES AND USES THEREOF**
[54] **PEPTIDES ET LEURS UTILISATIONS**
[72] PAREKH, HARENDRA, AU
[72] TUPALLY, KARNAKER, AU
[72] CABOT, PETER, AU
[72] KANDALE, AJIT NANDAKUMAR, AU
[71] PREVECEUTICAL MEDICAL INC., CA
[85] 2022-12-29
[86] 2021-07-01 (PCT/AU2021/050707)
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[30] AU (2020902233) 2020-07-01

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[51] **Int.Cl. B65D 81/02 (2006.01) G01C 9/24 (2006.01) G01C 9/28 (2006.01) G01C 9/32 (2006.01) G01D 11/30 (2006.01)**
[25] EN
[54] **RECEPTACLE FOR A SPIRIT LEVEL OR STRAIGHT EDGE TOOL**
[54] **RECEPTACLE POUR UN NIVEAU A BULLE OU OUTIL A BORD DROIT**
[72] O'MEARA, JAMES, AU
[71] O'MEARA, JAMES, AU
[85] 2022-12-29
[86] 2021-07-20 (PCT/AU2021/050781)
[87] (WO2022/016215)
[30] AU (2020902584) 2020-07-24
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[13] A1
[51] **Int.Cl. C22B 1/00 (2006.01) C22B 3/44 (2006.01) C22B 7/00 (2006.01) C22B 59/00 (2006.01)**
[25] EN
[54] **RECOVERY OF RARE EARTH METALS FROM FERROMAGNETIC ALLOYS**
[54] **RECUPERATION DE METAUX DES TERRES RARES A PARTIR D'ALLIAGES FERROMAGNETIQUES**
[72] LUBOMIRSKY, IGOR, IL
[72] KAPLAN, VALERY, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[85] 2022-12-29
[86] 2021-07-01 (PCT/IL2021/050811)
[87] (WO2022/003694)
[30] US (63/046,727) 2020-07-01

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[51] **Int.Cl. E04H 12/18 (2006.01) H01Q 1/10 (2006.01)**
[25] EN
[54] **PNEUMATIC TELESCOPIC MAST**
[54] **MAT TELESCOPIQUE PNEUMATIQUE**
[72] CERVI, CORRADO, IT
[71] FIRECO S.R.L. A SOCIO UNICO, IT
[85] 2022-12-29
[86] 2020-07-03 (PCT/IT2020/000052)
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[51] **Int.Cl. G01N 27/624 (2021.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR DETECTING MOLECULES AT ATMOSPHERIC PRESSURE**
[54] **APPAREIL ET PROCEDES DE DETECTION DE MOLECULES A PRESSION ATMOSPHERIQUE**
[72] ATTARIWALA, RAJPAUL, CA
[72] BOOCK, JARED, US
[72] SAHEBJAVAHER, DARYOUSH, CA
[72] MAATTA, MIKKO, CA
[71] CANNABIX TECHNOLOGIES INC., CA
[85] 2022-12-29
[86] 2021-07-05 (PCT/CA2021/050912)
[87] (WO2022/006658)
[30] US (63/048,149) 2020-07-05
[30] US (17/019,728) 2020-09-14

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[51] **Int.Cl. A23G 3/54 (2006.01) A23L 5/00 (2016.01)**
[25] EN
[54] **INGREDIENT-STUFFED SOFT CANDY**
[54] **BONBON MOU REMPLI D'UN INGREDIENT**
[72] SUZUKI, MIKU, JP
[72] SUZUKI, YOKO, JP
[72] ITO, ERIKO, JP
[72] YAMAGUCHI, TAKAHIRO, JP
[72] KERA, RYOSUKE, JP
[71] MORINAGA & CO., LTD., JP
[85] 2022-12-29
[86] 2021-06-25 (PCT/JP2021/024151)
[87] (WO2022/004595)
[30] JP (2020-111663) 2020-06-29

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[51] **Int.Cl. B05D 1/36 (2006.01) C09D 133/14 (2006.01) C09D 167/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITION WITH HIGH SOLIDS CONTENT, AND METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **COMPOSITION DE REVETEMENT A HAUTE TENEUR EN SOLIDES, ET PROCEDE DE FORMATION D'UN FILM DE REVETEMENT MULTICOUCHE**
[72] FURUYA, DAISUKE, JP
[71] KANSAI PAINT CO., LTD., JP
[85] 2022-12-29
[86] 2021-08-04 (PCT/JP2021/028925)
[87] (WO2022/030536)
[30] JP (2020-132067) 2020-08-04

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[51] **Int.Cl. C07K 16/36 (2006.01) A61K 39/395 (2006.01) A61P 7/02 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COAGULATION FACTOR XI (FXI) BINDING PROTEIN**
[54] **PROTEINE DE LIAISON DU FACTEUR XI DE COAGULATION (FXI)**
[72] XU, TING, CN
[72] WANG, XIAOXIAO, CN
[72] JIN, YUHAO, CN
[72] GUO, KANGPING, CN
[72] WANG, LING, CN
[72] PANG, MINJIE, CN
[72] WANG, PILIN, CN
[71] SUZHOU ALPHAMAB CO., LTD., CN
[85] 2022-12-30
[86] 2021-07-02 (PCT/CN2021/104173)
[87] (WO2022/002233)
[30] CN (202010636605.5) 2020-07-03
[30] CN (202010636876.0) 2020-07-03
[30] CN (202010637094.9) 2020-07-03

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[13] A1
[51] **Int.Cl. H04L 12/02 (2006.01) G06F 13/42 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **INTERFACE, ELECTRONIC DEVICE, AND COMMUNICATION SYSTEM**
[54] **INTERFACE, DIPOSITIF ELECTRONIQUE ET SYSTEME DE COMMUNICATION**
[72] WANG, XINYUAN, CN
[72] HE, XIANG, CN
[72] REN, HAO, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-12-29
[86] 2021-03-10 (PCT/CN2021/080048)
[87] (WO2022/001166)
[30] CN (202010605324.3) 2020-06-29
[30] CN (202110049548.5) 2021-01-14

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[13] A1
[51] **Int.Cl. H02H 3/04 (2006.01) H02H 3/10 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION NON-ELECTRIC SHOCK PROTECTION SYSTEM AND METHOD THEREOF**
[54] **SYSTEME DE PROTECTION ET PROCEDE DE PROTECTION NON ELECTRIQUES CONTRE L'ELECTROCUTION LIEE A UN DYSFONCTIONNEMENT**
[72] PARK, JONG HOO, KR
[72] JEONG, HO JIN, KR
[72] CHO, GU BOK, KR
[71] ENERPARK CO.,LTD, KR
[71] PARK, JONG HOO, KR
[71] JEONG, HO JIN, KR
[71] CHO, GU BOK, KR
[85] 2022-12-29
[86] 2020-07-06 (PCT/KR2020/008779)
[87] (WO2022/010003)

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[51] **Int.Cl. H04W 24/02 (2009.01) H04W 84/12 (2009.01) H04W 76/11 (2018.01)**
[25] EN
[54] **REQUEST AND RESPONSE METHOD FOR PROBING MLD, STATION, AND ACCESS POINT**
[54] **METHODE DE DEMANDE ET DE REPONSE POUR LE SONDAGE DE DISPOSITIF MULTI-LIEN, STATION ET POINT D'ACCES**
[72] GUO, YUCHEN, CN
[72] GAN, MING, CN
[72] LI, YUNBO, CN
[72] HUANG, GUOGANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-12-30
[86] 2021-07-02 (PCT/CN2021/104327)
[87] (WO2022/002265)
[30] CN (202010634151.8) 2020-07-02

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[51] **Int.Cl. A01K 61/40 (2017.01) A23K 50/80 (2016.01) A01K 61/90 (2017.01) A01K 67/033 (2006.01)**
[25] EN
[54] **SYSTEM FOR POLYCHAETE PRODUCTION COMPRISING A RETRIEVABLE TRAY, AND METHOD FOR POLYCHAETE PRODUCTION**
[54] **SYSTEME DE PRODUCTION DE POLYCHETE COMPRENANT UN PLATEAU RECUPERABLE, ET PROCEDE DE PRODUCTION DE POLYCHETE**
[72] FOSSHODE, JOHN ARNOLD, NO
[72] LANGVIK, MARIANNE LARSSEN, NO
[72] REPPE, SVEIN, NO
[72] WOLLAN, HAAVARD, NO
[72] OSTERHUS, STEIN W., NO
[71] MARINE BIO SOLUTIONS AS, NO
[85] 2022-12-29
[86] 2021-07-07 (PCT/NO2021/050163)
[87] (WO2022/010362)
[30] NO (20200806) 2020-07-09

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[13] A1
[51] **Int.Cl. H04W 24/00 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENHANCING CHANNEL MEASUREMENT AND BEAM MANAGEMENT**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER LA MESURE DE CANAL ET LA GESTION DE FAISCEAU**
[72] SHAO, SHIJIA, CN
[72] GAO, BO, CN
[72] HE, ZHEN, CN
[72] YAO, KE, CN
[72] ZHANG, SHUJUAN, CN
[72] LU, ZHAOHUA, CN
[71] ZTE CORPORATION, CN
[85] 2022-12-29
[86] 2021-03-31 (PCT/CN2021/084348)
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[51] **Int.Cl. D01D 1/02 (2006.01) C08H 7/00 (2011.01) C08B 1/00 (2006.01) D01D 5/06 (2006.01) D01F 1/02 (2006.01) D01F 9/17 (2006.01)**
[25] EN
[54] **METHOD OF WET SPINNING PRECURSOR FIBERS COMPRISING LIGNIN AND DISSOLVING PULP, AND PRECURSOR FIBERS THEREFROM**
[54] **PROCEDE DE FILAGE HUMIDE DE FIBRES DE PRECURSEUR COMPRENANT DE LA LIGNINE ET DES PATES TEXTILES ET A USAGES CHIMIQUES ET FIBRES DE PRECURSEUR ASSOCIEES**
[72] BENGTSSON, ANDREAS, SE
[72] SEDIN, MARIA, SE
[72] BRANNVALL, ELISABET, SE
[72] LANDMER, ALICE, SE
[72] ALVARADO, FERNANDO, SE
[71] RISE RESEARCH INSTITUTES OF SWEDEN AB, SE
[85] 2022-12-29
[86] 2021-06-23 (PCT/SE2021/050624)
[87] (WO2022/005370)
[30] SE (2050820-6) 2020-07-01

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[13] A1
[51] **Int.Cl. H02S 20/00 (2014.01)**
[25] EN
[54] **SUPPORTING STRUCTURE FOR SUPPORTING SOLAR MODULES AND CEILING ELEMENTS**
[54] **STRUCTURE DE SUPPORT DESTINEE A SUPPORTER DES MODULES SOLAIRES ET DES ELEMENTS DE PLAFOND**
[72] RICHTER, MICHAEL, DE
[71] RICHTER, MICHAEL, DE
[85] 2022-12-30
[86] 2021-04-30 (PCT/EP2021/061415)
[87] (WO2022/017656)
[30] DE (10 2020 004 452.2) 2020-07-23

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[51] **Int.Cl. A61K 39/215 (2006.01) A61K 48/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **PERSISTENT MEMORY T-CELL RESPONSES TO CANCER AND INFECTIOUS-DISEASE ANTIGENS BY MANIPULATION OF AMINO ACID-CATABOLISM PATHWAYS**
[54] **REPONSES DE LYMPHOCYTES T A MEMOIRE PERSISTANTE A UN CANCER ET A DES ANTIGENES DE MALADIE INFECTIEUSE PAR MANIPULATION DE VOIES CATABOLIQUES D'ACIDES AMINES**
[72] HARTIGAN-O'CONNOR, DENNIS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNA, US
[85] 2022-12-29
[86] 2021-07-01 (PCT/US2021/040132)
[87] (WO2022/006424)
[30] US (63/047,737) 2020-07-02

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[51] **Int.Cl. C07C 309/49 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **ALKYLANILINE POLYETHER BENZENESULFONATE AND A PROCESS OF PRODUCING SAME**
[54] **SULFONATE DE POLYETHER BENZENE D'ALKYLANILINE ET SON PROCEDE DE PREPARATION**
[72] LI, YINGCHENG, CN
[72] BAO, XINNING, CN
[72] ZHANG, WEIDONG, CN
[72] SHA, OU, CN
[72] WU, XINYUE, CN
[72] JIN, JUN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY, SINOPEC, CN
[85] 2022-12-29
[86] 2021-07-02 (PCT/CN2021/104139)
[87] (WO2022/002226)
[30] CN (202010624678.2) 2020-07-02

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[13] A1
[51] **Int.Cl. A01J 5/017 (2006.01)**
[25] EN
[54] **ROBOT MILKING DEVICE**
[54] **DISPOSITIF DE TRAITE ROBOTISE**
[72] MEIJER, JAN GERRIT JONATHAN, NL
[72] ROELSE, LEENDERT KORNELIS, NL
[72] VOORSLUYS, MARIO HENRIQUE, NL
[72] LAM, THANH MUNG, NL
[71] LELY PATENT N.V., NL
[85] 2022-12-29
[86] 2021-07-15 (PCT/IB2021/056413)
[87] (WO2022/018586)
[30] NL (2026125) 2020-07-23

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[51] **Int.Cl. A61B 1/307 (2006.01) A61F 2/95 (2013.01) A61F 2/966 (2013.01) A61B 17/29 (2006.01)**
[25] EN
[54] **SELF-ACTUATING GRASPING DEVICE**
[54] **DISPOSITIF DE PREHENSION A ACTIONNEMENT AUTOMATIQUE**
[72] JEN, JIMMY, US
[72] CHANG, KENNETH CHIH-PING, US
[72] PURDY, CRAIG, US
[72] ZARETZKA, GARY DANIEL, TW
[72] LEE, PO-HUA, TW
[71] PRODEON MEDICAL CORPORATION, TW
[85] 2022-12-29
[86] 2021-07-06 (PCT/US2021/040435)
[87] (WO2022/010838)
[30] US (63/048,289) 2020-07-06

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[13] A1
[51] **Int.Cl. C09D 7/61 (2018.01) C09D 7/63 (2018.01) C09D 7/65 (2018.01) C09D 133/00 (2006.01) C09D 167/00 (2006.01) C09D 175/04 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS INCLUDING WATERBORNE ALKYD RESINS AND METAL CATALYSTS**
[54] **COMPOSITIONS DE REVETEMENT COMPRENANT DES RESINES ALKYDES A BASE D'EAU ET DES CATALYSEURS METALLIQUES**
[72] SCHUBERT, MARK, US
[72] LAZARUK, LEO, US
[71] SWIMC LLC, US
[85] 2022-12-29
[86] 2021-07-06 (PCT/US2021/040456)
[87] (WO2022/010857)
[30] US (62/705,612) 2020-07-07

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[13] A1
[51] **Int.Cl. C08G 18/32 (2006.01) C08G 18/40 (2006.01) C08G 18/48 (2006.01) C08G 18/63 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **POLYURETHANE FOAMS WITH IMPROVED ACOUSTIC PROPERTIES**
[54] **MOUSSES DE POLYURETHANE POSSEDANT DES PROPRIETES ACOUSTIQUES AMELIOREES**
[72] OTERO MARTINEZ, IRAN, DE
[72] RAETH, ALEXANDER, DE
[72] ALTMEPPEN, SONJA, DE
[72] FRISCHE, BIANCA, DE
[71] BASF SE, DE
[85] 2022-12-30
[86] 2021-06-30 (PCT/EP2021/067993)
[87] (WO2022/003022)
[30] EP (20183359.7) 2020-07-01

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61H 99/00 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER-ASSOCIATED CACHEXIA**
[54] **COMPOSITIONS ET PROCEDE PERMETTANT DE TRAITER LA CACHEXIE ASSOCIEE A UN CANCER**
[72] SHEN, XILING, US
[72] O'RAW, ALIESHA, US
[72] MORIZIO, JAMES, US
[72] DESHMUKH, ASHLESHA, US
[72] EZAGOURI, SAAR, IL
[71] DUKE UNIVERSITY, US
[85] 2022-12-29
[86] 2021-07-09 (PCT/US2021/041029)
[87] (WO2022/011222)
[30] US (63/050,352) 2020-07-10

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[13] A1
[51] **Int.Cl. G05B 19/418 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VERIFYING AN APPLICATION OF A FOAMABLE MATERIAL ONTO A CARRIER**
[54] **PROCEDE ET SYSTEME DE VERIFICATION D'APPLICATION D'UN MATERIAU EXPANSIBLE SUR UN SUPPORT**
[72] CWIK, TOMASZ, US
[72] CHASE, THOMAS, US
[71] BASF SE, DE
[85] 2022-12-30
[86] 2021-07-01 (PCT/EP2021/068218)
[87] (WO2022/003122)
[30] EP (20183787.9) 2020-07-02

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[54] **BIOCOMPOSITES THERMOPLASTIQUES RENFORCES DE CELLULOSE MICROFIBRILLEE MODIFIEE EN SURFACE ET SECHEE**
[72] OZCAN, SOYDAN, US
[72] LI, KAI, US
[72] TEKINALP, HALIL, US
[72] ZHAO, XIANHUI, US
[72] PHIPPS, JON, GB
[72] IRELAND, SEAN, US
[71] UT-BATTELLE, LLC, US
[71] FIBERLEAN TECHNOLOGIES LIMITED, GB
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[54] **FUSION CONSTRUCTS AND METHODS OF USING THEREOF**
[54] **CONSTRUCTIONS DE FUSION ET LEURS METHODES D'UTILISATION**
[72] SABZEVARI, HELEN, US
[72] METENOU, SIMON, US
[72] CHEN, CHANG HUNG, US
[72] SHAH, RUTUL, US
[71] PRECIGEN, INC., US
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[54] **SPATIAL COMPUTING**
[54] **CALCUL SPATIAL**
[72] MANSOOR, RASHID MOHAMED, GB
[72] KAY, JAMES, GB
[72] SINCLAIR, CHRIS, GB
[72] RUSSEL, FRANCIS, GB
[72] GORDON, PATRICK, GB
[71] HADEAN SUPERCOMPUTING LTD, GB
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[54] **PROCESS FOR SEPARATING A MIXTURE OF OXALATES OF TWO OR MORE OF NI, CO, AND MN**
[54] **PROCEDE POUR LA SEPARATION D'UN MELANGE D'OXALATES DE DEUX OU PLUS PARMI NI, CO ET MN**
[72] BINDER, JAN OLIVER, DE
[72] JANEK, JUERGEN, DE
[72] ZEIER, WOLFGANG G., DE
[72] CULVER, SEAN, US
[71] BASF SE, DE
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[54] **PREDICTION DE RENDEMENT HORTICOLE POUR UN EMPLACEMENT DE CHAMP A L'AIDE D'UNE IMAGERIE AERIENNE MULTIBANDE**
[72] AUNE, TAYLOR, US
[72] ROTH, KEELY, US
[71] CLIMATE LLC, US
[85] 2022-12-29
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[54] **ANTIBODIES THAT BIND PSMA AND GAMMA-DELTA T CELL RECEPTORS**
[54] **ANTICORPS SE LIANT AU PSMA ET AUX RECEPTEURS DES LYMPHOCYTES T GAMMA-DELTA**
[72] ROOVERS, ROBERTUS CORNELIS, NL
[72] VAN DER VLIET, JOHANNES JELLE, NL
[72] KING, LISA ANNA, NL
[72] PARREN, PAUL WILLEM HENRI IDA, NL
[72] GUIMARAIS IGLESIAS, VICTORIA, NL
[72] LUTJE HULSIK, DAVID, NL
[72] MACHIELSEN, PETER ALEXANDER GERARDUS MARIA, NL
[71] LAVA THERAPEUTICS N.V., NL
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[54] **INSERTION DEVICE AND METHOD FOR INSERTING A MEDICAL DEVICE**
[54] **DISPOSITIF D'INSERTION ET PROCEDE D'INSERTION D'UN DISPOSITIF MEDICAL**
[72] LIST, HANS, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
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[54] **METHOD OF PRODUCING A FERTILISER COMPOSITION**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION D'ENGRAIS**
[72] HAMMOND, PETER, GB
[71] CCM TECHNOLOGIES LIMITED, GB
[85] 2022-12-30
[86] 2021-07-07 (PCT/GB2021/051734)
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[25] EN
[54] **METHOD FOR PRODUCING A FERTILISER AND FERTILISER COMPOSITION**
[54] **PROCEDE DE PRODUCTION D'UN ENGRAIS ET COMPOSITION D'ENGRAIS**
[72] HAMMOND, PETER, GB
[71] CCM TECHNOLOGIES LIMITED, GB
[85] 2022-12-30
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[54] **BIOMARQUEURS DU SYNDROME DU COLON IRRITABLE**
[72] WHELAN, KEVIN, GB
[72] WILSON, BRIDGETTE, GB
[72] ROSSI, MEGAN, GB
[72] PROBERT, CHRIS, GB
[72] SLATER, RACHAEL, GB
[71] THE UNIVERSITY OF LIVERPOOL, GB
[71] KING'S COLLEGE LONDON, GB
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[54] **COOKING HOB WITH EXTRACTOR HOOD**
[54] **PLAQUE DE CUISSON A HOTTE ASPIRANTE**
[72] LEO, ORLANDO, IT
[72] MARTELLI, MANUELE, IT
[71] ELICA S.P.A, IT
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[54] **DISPOSITIFS DE LARYNGOSCOPE VIDEO**
[72] STOFFEL, DANIEL, NO
[71] PAVISUS AS, NO
[85] 2022-12-30
[86] 2021-07-02 (PCT/IB2021/055967)
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[25] EN
[54] **METHOD FOR SIZE BASED EVALUTION OF PANCREATIC PROTEIN MIXTURE**
[54] **PROCEDE D'EVALUATION BASEE SUR LA TAILLE D'UN MELANGE DE PROTEINES PANCREATIQUES**
[72] KUPPILI, RAJA REDDY, IN
[72] UPADHYAY, ROSHAN GANESHLAL, IN
[72] PUROHIT, PARVA YOGESHCHANDRA, IN
[72] MAHAJAN, MUKESH, IN
[72] TALPARA, SANJAYKUMAR VANRAJBHAT, IN
[71] KASHIV BIOSCIENCES, LLC, US
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS FOR IMPROVED DELIVERY OF THERAPEUTIC LIPOPHILIC ACTIVES**
[54] **COMPOSITIONS PHARMACEUTIQUES POUR UNE ADMINISTRATION AMELIOREE D'AGENTS ACTIFS LIPOPHILES THERAPEUTIQUES**
[72] EZRA, RAFAEL, IL
[71] KARNAK TECHNOLOGIES, LLC, US
[71] EZRA, RAFAEL, IL
[85] 2022-12-30
[86] 2021-07-29 (PCT/IL2021/050915)
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[54] **SYSTEM OF MEDICAL DEVICES AND METHOD FOR PERICARDIAL PUNCTURE**
[54] **SYSTEME DE DISPOSITIFS MEDICAUX ET METHODE DE PERFORATION PERICARDIQUE**
[72] MILLER, BROCK, CA
[72] GRAVETT, MATTHEW, CA
[71] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
[85] 2022-12-30
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[54] **HERBICIDE COMPOSITION AND METHOD FOR CONTROLLING WEEDS**
[54] **COMPOSITION HERBICIDE ET PROCEDE POUR CONTROLE D'HERBES**
[72] JIN, YOSHINOBU, JP
[72] SADA, YOSHINAO, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2022-12-30
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[25] EN
[54] **A FRONT LOADER FOR A WORKING VEHICLE AND A WORKING VEHICLE**
[54] **CHARGEUR FRONTAL POUR ENGIN DE CHANTIER ET ENGIN DE CHANTIER**
[72] NILSSON, TOMMY, SE
[71] ALO AB, SE
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[25] EN
[54] **ANNOTATION DATA COLLECTION USING GAZE-BASED TRACKING**
[54] **COLLECTE DE DONNEES D'ANNOTATION A L'AIDE D'UN SUIVI BASE SUR LE REGARD**
[72] ARBEL, ELAD, US
[72] REMER, ITAY, US
[72] BEN-DOR, AMIR, US
[71] AGILENT TECHNOLOGIES, INC., US
[85] 2022-12-30
[86] 2021-07-20 (PCT/IB2021/056548)
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[54] **AN EXTRACTION PROCESS OF PANCRELIPASE AND EVALUATION THREOF**
[54] **PROCEDE D'EXTRACTION DE PANCRELIPASE ET EVALUATION DE CELUI-CI**
[72] KUPPILI, RAJA REDDY, IN
[72] VAYWALA, CHINTAN MINESHKUMAR, IN
[72] PUROHIT, PARVA YOGESHCHANDRA, IN
[72] MAHAJAN, MUKESH, IN
[72] TALPARA, SANJAYKUMAR VANRAJBHAT, IN
[71] KASHIV BIOSCIENCES, LLC, US
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[54] **SYSTEM AND METHOD FOR DETECTING VENOUS NEEDLE DISLODGEMENT**
[54] **SYSTEME ET PROCEDE POUR LA DETECTION D'UN DELOGEMENT D'AIGUILLE VEINEUSE**
[72] SCHAEFER, ROBERT, US
[72] SCHAEFER, GARETH T., US
[72] MACINTOSH, SCOTT, US
[72] SINHA, DIPEN N., US
[72] ESPINA, PETER G., US
[72] CRNKOVICH, MARTIN J., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[71] AWE TECHNOLOGIES LLC, US
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[86] 2021-06-30 (PCT/US2021/039744)
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[25] EN
[54] **TRICYCLIC UREA COMPOUNDS AS JAK2 V617F INHIBITORS**
[54] **COMPOSES D'UREE TRICYCLIQUES EN TANT QU'INHIBITEURS DE V617F DE JAK2**
[72] AI, YANRAN, US
[72] ATASOYLU, ONUR, US
[72] BAI, YU, US
[72] BARBOSA, JOSEPH, US
[72] BURNS, DAVID M., US
[72] LEVY, DANIEL, US
[72] DOUTY, BRENT, US
[72] FENG, HAO, US
[72] KONKOL, LEAH C., US
[72] LAI, CHENG-TSUNG, US
[72] LIU, XUN, US
[72] MEI, SONG, US
[72] PAN, JUN, US
[72] WANG, HAISHENG, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[72] YUE, EDDY W., US
[71] INCYTE CORPORATION, US
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[87] (WO2022/006457)
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[54] **EMISSIONS REDUCTION SYSTEMS AND METHODS.**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DES EMISSIONS**
[72] ENDRIGO, DAVID, US
[71] ENDRIGO, DAVID, US
[85] 2022-12-29
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[54] **ORCHESTRATION TECHNIQUES FOR ADAPTIVE TRANSACTION PROCESSING**
[54] **TECHNIQUES D'ORCHESTRATION DU TRAITEMENT ADAPTATIF DE TRANSACTION**
[72] SHIFFMAN, GARY, US
[72] SHAPIRO, JACOB, US
[71] GIANT OAK, INC., US
[71] CONSILIENT, INC., US
[71] SHIFFMAN, GARY, US
[71] SHAPIRO, JACOB, US
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[54] **PALLET STABILIZATION ADHESIVE**
[54] **ADHESIF DE STABILISATION DE PALETTE**
[72] THOMAS, RICHARD W., US
[71] BIO-BOND LLC, US
[85] 2022-12-30
[86] 2021-07-14 (PCT/US2021/041587)
[87] (WO2022/015824)
[30] US (63/052,088) 2020-07-15

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CRP-MEDIATED DISEASES**
[54] **COMPOSITIONS ET METHODES POUR TRAITER DES MALADIES MEDIEES PAR CRP**
[72] PEREIRA, DAVID EUGENE, US
[71] PONCE DE LEON HEALTH DESIGNATED ACTIVITY COMPANY, IE
[85] 2022-12-30
[86] 2021-07-02 (PCT/US2021/040257)
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[30] US (63/047,302) 2020-07-02

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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODY-CONJUGATED CHEMICAL INDUCERS OF DEGRADATION OF BRM AND METHODS THEREOF**
[54] **INDUCTEURS CHIMIQUES DE DEGRADATION DE BRM CONJUGUES A DES ANTICORPS ET METHODES ASSOCIEES**
[72] DRAGOVICH, PETER SCOTT, US
[72] BAKER DOCKREY, SUMMER A., US
[72] PILLOW, THOMAS HARDEN, US
[72] ZHANG, DONGLU, US
[71] GENENTECH, INC., US
[85] 2022-12-30
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[54] **COMPUTER VISION-BASED YIELD-TO-PICKING AREA MAPPING FOR HORTICULTURAL PRODUCT**
[54] **CARTOGRAPHIE DU RENDEMENT PAR ZONE DE RECOLTE BASEE SUR UNE VISION PAR ORDINATEUR POUR PRODUIT HORTICOLE**
[72] MCNICHOLS, JOHN M., US
[72] WILLIAMS, DANIEL A., US
[72] HAMIDISEPEHR, ALI, US
[72] ROTH, KEELY, US
[71] CLIMATE LLC, US
[85] 2022-12-29
[86] 2021-07-15 (PCT/US2021/041770)
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[25] EN
[54] **DISINFECTANT/SANITIZER SOLUTIONS**
[54] **SOLUTIONS DESINFECTANTES/ASSAINISSANTES**
[72] ORTMANN,, NATHAN, RICHARD, US
[71] STERILEX, LLC, US
[85] 2022-12-29
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[30] US (63/053,039) 2020-07-17

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[25] EN
[54] **AEROSOL GENERATION DEVICE LOCATOR**
[54] **LOCALISATEUR DE DISPOSITIF DE GENERATION D'AEROSOL**
[72] SMITH, LAURA, US
[72] ALLER, JARED, US
[72] LUKAN, SEAN, US
[72] MCNEIL, RAE, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2022-12-30
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[87] (WO2022/020458)
[30] US (63/054,452) 2020-07-21
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[25] EN
[54] **CHIMERIC MYD88 RECEPTORS FOR REDIRECTING IMMUNOSUPPRESSIVE SIGNALING AND RELATED COMPOSITIONS AND METHODS**
[54] **RECEPTEURS MYD88 CHIMERIQUES POUR REDIRIGER UNE SIGNALISATION IMMUNOSUPPRESSIVE, COMPOSITIONS ET PROCEDES ASSOCIES**
[72] ASGHARZADEH, SHAHAB, US
[72] MOGHIMI, BABAK, US
[72] HADJIDANIEL, MICHAEL, US
[72] SHIRINBAK, SOHEILA, US
[71] SIMURX, INC., US
[71] CHILDREN'S HOSPITAL LOS ANGELES, US
[85] 2022-12-29
[86] 2021-07-16 (PCT/US2021/042091)
[87] (WO2022/016119)
[30] US (63/053,529) 2020-07-17

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[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01)**
[25] EN
[54] **DETECTION OF MACROLIDE-RESISTANT MYCOPLASMA GENITALIUM**
[54] **DETECTION DU MYCOPLASMA GENITALIUM RESISTANT AUX MACROLIDES**
[72] EATON, BARBARA, L., US
[72] GROBARCZYK, BENJAMIN, BE
[72] FRANZIL, LAURENT, BE
[71] GEN-PROBE INCORPORATED, US
[85] 2022-12-29
[86] 2021-07-19 (PCT/US2021/042222)
[87] (WO2022/016153)
[30] US (63/053,232) 2020-07-17

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[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G07F 19/00 (2006.01)**
[25] EN
[54] **DETECTING A SKIMMER VIA A VIBRATION SENSOR**
[54] **DETECTION D'UN ECUMEUR PAR L'INTERMEDIAIRE D'UN CAPTEUR DE VIBRATIONS**
[72] JOHNSON, MOLLY, US
[72] VUKICH, ADAM, US
[72] ZARAKAS, JAMES, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-12-29
[86] 2021-07-21 (PCT/US2021/042623)
[87] (WO2022/020504)
[30] US (16/936,001) 2020-07-22

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[13] A1
[51] **Int.Cl. A61K 31/28 (2006.01) A61K 47/50 (2017.01) A61K 33/24 (2019.01)**
[25] EN
[54] **CANCER RADIOSENSITIZATION BY IN SITU FORMATION OF GOLD NANOPARTICLES AND/OR GOLD NANOCLUSTERS**
[54] **RADIOSENSIBILISATION DU CANCER PAR FORMATION IN SITU DE NANOPARTICULES D'OR ET/OU DE NANOAGREGATS D'OR**
[72] SCHWARTZ-DUVAL, AARON STAR, US
[72] KRISHNAN, SUNIL, US
[72] SOKOLOV, KONSTANTIN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-12-30
[86] 2021-08-27 (PCT/US2021/048081)
[87] (WO2022/072095)
[30] US (63/046,611) 2020-06-30

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[13] A1
[51] **Int.Cl. G06N 3/12 (2023.01) G06F 30/25 (2020.01) Enullnull null/null (2006.01)**
[25] EN
[54] **MODULAR HYDROCARBON FACILITY PLACEMENT PLANNING SYSTEM**
[54] **SYSTEME DE PLANIFICATION DE PLACEMENT D'INSTALLATION D'HYDROCARBURES MODULAIRE**
[72] GHORAYEB, KASSEM, AE
[72] DBOUK, HAYTHAM MOUNJI, LB
[72] HAYEK, HUSSEIN MOHAMMAD, LB
[72] HARB, AHMAD, LB
[72] TORRENS, RICHARD, GB
[72] WELLS, OWEN, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-12-29
[86] 2021-06-30 (PCT/US2021/070795)
[87] (WO2022/006591)
[30] US (62/705,502) 2020-06-30
[30] US (63/200,256) 2021-02-24

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[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 31/713 (2006.01) C12N 15/09 (2006.01) C12N 15/87 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **LIPID NANOPARTICLES FOR DELIVERING THERAPEUTICS TO LUNGS**
[54] **NANOPARTICULES LIPIDIQUES POUR ADMINISTRER DES AGENTS THERAPEUTIQUES AUX POUMONS**
[72] HEYES, JAMES, US
[72] LAM, KIEU MONG, US
[72] PALMER, LORNE RALPH, US
[71] GENEVANT SCIENCES GMBH, US
[85] 2022-12-30
[86] 2021-07-08 (PCT/US2021/040913)
[87] (WO2022/011156)
[30] US (63/050,594) 2020-07-10

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[13] A1
[51] **Int.Cl. A61C 7/28 (2006.01) A61C 7/14 (2006.01) A61C 7/30 (2006.01) A61C 7/32 (2006.01)**
[25] EN
[54] **ORTHODONTIC DEVICE**
[54] **DISPOSITIF ORTHODONTIQUE**
[72] HOSS, KAMI, US
[72] HOWARD, STEVEN, US
[72] MOEBIUS, JACOB, US
[71] AADVANCE TECHNOLOGIES, LLC, US
[85] 2022-12-30
[86] 2021-07-02 (PCT/US2021/040296)
[87] (WO2022/006519)
[30] US (63/047,979) 2020-07-03
[30] US (17/065,281) 2020-10-07
[30] US (17/065,394) 2020-10-07

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[13] A1
[51] **Int.Cl. F02C 1/04 (2006.01) F02C 7/12 (2006.01) F28D 7/00 (2006.01) F28D 21/00 (2006.01) F28F 27/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER SYSTEM**
[54] **SYSTEME D'ECHANGEUR DE CHALEUR**
[72] JIBB, RICHARD JOHN, US
[72] GUYMON, DAVID, US
[72] HERBANEK, RON, US
[72] BRIGNONE, VINCENZO MARCO, US
[72] GROPPI, ROBERTO, US
[71] LUMMUS TECHNOLOGY LLC, US
[85] 2022-12-15
[86] 2021-05-14 (PCT/US2021/032580)
[87] (WO2022/005633)
[30] US (63/045,675) 2020-06-29
[30] US (63/045,721) 2020-06-29
[30] US (63/045,697) 2020-06-29
[30] US (63/045,743) 2020-06-29

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SALTS AND FORMS OF A WEE1 INHIBITOR**
[54] **SELS ET FORMES D'UN INHIBITEUR DE WEE1**
[72] HOPKINS, CHAD DANIEL, US
[72] HUANG, PETER QINHUA, US
[72] BUNKER, KEVIN DUANE, US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2022-12-30
[86] 2021-07-08 (PCT/US2021/070851)
[87] (WO2022/011391)
[30] US (63/049,996) 2020-07-09

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[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) C07K 14/435 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURING OF PROTEIN-ASSOCIATED EXTRACELLULAR VESICLES**
[54] **PROCEDE DE FABRICATION DE VESICULES EXTRACELLULAIRES ASSOCIEES A DES PROTEINES**
[72] JURGA, MARCIN, BE
[71] EXO BIOLOGICS SA, BE
[85] 2023-01-03
[86] 2021-07-08 (PCT/EP2021/068991)
[87] (WO2022/008654)
[30] EP (20184901.5) 2020-07-09

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[13] A1
[51] **Int.Cl. A61P 31/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-ALPHA-4-BETA-7 ANTIBODIES**
[54] **ANTICORPS ANTI-ALPHA-4-BETA-7**
[72] MIN, JING, US
[72] NG, TERESA (IOK-CHAN), US
[72] BENATUIL, LORENZO, US
[72] BIXBY, JACQUELINE, US
[72] DEKHTYAR, TATYANA, US
[72] DONG, FENG, US
[72] HERNANDEZ JR., AXEL, US
[72] KRISHNAN, PREETHI, US
[72] LU, LIANGJUN, US
[72] MENSA, FEDERICO, US
[72] MILLER, RENEE, US
[72] SAHU, GAUTAM, US
[71] ABBVIE INC., US
[85] 2022-12-30
[86] 2021-07-16 (PCT/US2021/070898)
[87] (WO2022/016198)
[30] US (63/052,933) 2020-07-16

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[13] A1
[51] **Int.Cl. G01B 7/14 (2006.01) G01D 5/20 (2006.01)**
[25] EN
[54] **CHAIN MONITORING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE CHAINE**
[72] MONTY, CHARLES R., US
[72] LEDUC, BRIAN, US
[72] GORMAN, PAUL, US
[72] HOGAN, ROBERT J., US
[72] HOGAN, MICHAEL C., US
[72] HARRIS, DANIEL, US
[72] AUDETTE, JOSEPH, US
[71] U.S. TSUBAKI HOLDINGS, INC., US
[85] 2023-01-02
[86] 2021-06-28 (PCT/US2021/039369)
[87] (WO2022/005967)
[30] US (63/047,564) 2020-07-02
[30] US (17/355,402) 2021-06-23

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2023.01) G06Q 10/08 (2023.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING A PLURALITY OF MOBILE ROBOTS FOR PREPARING ORDERS FOR PRODUCTS STORED IN A WAREHOUSE**
[54] **SYSTEME ET PROCEDE DE GESTION D'UNE PLURALITE DE ROBOTS MOBILES POUR LA PREPARATION DE COMMANDES DE PRODUITS STOCKES DANS UN ENTREPOT_____**
[72] JACQUEMART, VINCENT, FR
[72] MENIGOZ, NICOLAS, FR
[71] IFOLLOW, FR
[85] 2023-01-03
[86] 2021-07-09 (PCT/EP2021/069209)
[87] (WO2022/008735)
[30] FR (FR2007364) 2020-07-10

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/6883 (2018.01) A61K 31/437 (2006.01) A61K 31/706 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01) C07D 471/04 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **DIAGNOSIS AND TREATMENT OF CHRONIC DIABETIC COMPLICATIONS USING LONG NON-CODING RNAS AS TARGETS**
[54] **DIAGNOSTIC ET TRAITEMENT DE COMPLICATIONS DIABETIQUES CHRONIQUES AU MOYEN DE LONGS ARN NON CODANTS EN TANT QUE CIBLES**
[72] CHAKRABARTI, SUBRATA, CA
[72] BISWAS, SAUMIK, CA
[72] CHEN, SHALI, CA
[72] FENG, BIAO, CA
[71] THE UNIVERSITY OF WESTERN ONTARIO, CA
[85] 2023-01-03
[86] 2021-07-06 (PCT/CA2021/050924)
[87] (WO2022/006667)
[30] US (63/048,389) 2020-07-06

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[13] A1
[51] **Int.Cl. B29C 64/10 (2017.01) B33Y 30/00 (2015.01) B29C 64/209 (2017.01)**
[25] EN
[54] **HIGH-PRECISION ADDITIVE MANUFACTURING DEVICE AND HIGH-THROUGHPUT ADDITIVE MANUFACTURING SYSTEM**
[54] **DISPOSITIF HAUTE PRECISION DE FABRICATION ADDITIVE ET SYSTEME A HAUT DEBIT DE FABRICATION ADDITIVE**
[72] DENG, FEIHUANG, CN
[72] LIU, HAILI, CN
[72] WANG, PENG, CN
[72] LU, HAOHUI, CN
[72] CHENG, SENPING, CN
[72] LI, XIAOLING, US
[71] TRIASTEK, INC., CN
[85] 2023-01-03
[86] 2021-06-08 (PCT/CN2021/098797)
[87] (WO2022/007570)
[30] CN (PCT/CN2020/101343) 2020-07-10

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[13] A1
[51] **Int.Cl. A23F 3/18 (2006.01) A23F 3/16 (2006.01)**
[25] EN
[54] **EXTRACT LIQUID, PRODUCTION METHOD THEREFOR, AND CONTAINER-PACKED BEVERAGE CONTAINING SAME**
[54] **LIQUIDE D'EXTRAIT, SON PROCEDE DE PRODUCTION, ET BOISSON CONDITIONNEE DANS UN RECIPIENT LE CONTENANT**
[72] GENG, LIBO, US
[72] SHENG, OLIVER, US
[72] GUO, ELSIE, US
[72] SONG, AMY, US
[72] WANG, DAVID, US
[71] THE COCA-COLA COMPANY, US
[85] 2023-01-03
[86] 2021-07-01 (PCT/CN2021/104108)
[87] (WO2022/002219)
[30] CN (202010627108.9) 2020-07-01

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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01) C12N 15/67 (2006.01) C12N 15/79 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **GENE THERAPY USING NUCLEIC ACID CONSTRUCTS COMPRISING METHYL CPG BINDING PROTEIN 2 (MECP2) PROMOTER SEQUENCES**
[54] **THERAPIE GENIQUE UTILISANT DES CONSTRUCTIONS D'ACIDE NUCLEIQUE COMPRENANT DES SEQUENCES PROMOTRICES DE PROTEINE 2 DE LIAISON CPG-METHYL (MECP2)**
[72] DALAL, NIKITA, US
[72] KABADI, AMI, US
[72] PATEL, TOSHAL ROHIT, BE
[72] DOWNEY, PATRICK MARK, BE
[72] SHRIVASTAVA, AMULYA NIDHI, BE
[71] UCB BIOPHARMA SRL, BE
[85] 2023-01-03
[86] 2021-08-11 (PCT/EP2021/072365)
[87] (WO2022/034130)
[30] US (63/064,431) 2020-08-12

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[13] A1
[51] **Int.Cl. H04W 4/06 (2009.01) H04W 72/12 (2023.01)**
[25] EN
[54] **INFORMATION CONTROL METHOD AND APPARATUS AND BASE STATION**
[54] **PROCEDE DE COMMANDE D'INFORMATIONS, APPAREIL, ET STATION DE BASE**
[72] LIU, JIAMIN, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2023-01-03
[86] 2021-08-10 (PCT/CN2021/111776)
[87] (WO2022/033474)
[30] CN (202010814979.1) 2020-08-13

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[13] A1
[51] **Int.Cl. B21D 51/26 (2006.01) B21D 51/30 (2006.01) B21D 51/32 (2006.01) B65B 7/28 (2006.01) B67B 3/10 (2006.01)**
[25] EN
[54] **A SEAMING SHAFT ARRANGEMENT FOR A SEALER**
[54] **ENSEMBLE ARBRE DE PLIAGE POUR UN APPAREIL DE FERMETURE**
[72] HIRT, PASCAL, CH
[72] NIEDERBERGER, ALEX, CH
[71] FERRUM PACKAGING AG, CH
[85] 2023-01-03
[86] 2020-09-21 (PCT/EP2020/076267)
[87] (WO2022/058032)

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[51] **Int.Cl. A61K 31/454 (2006.01) A61K 31/4745 (2006.01) A61P 11/16 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **COMBINATION OF AN ALPHA2-ADRENOCEPTOR SUBTYPE C (ALPHA-2C) ANTAGONIST WITH A TASK1/3 CHANNEL BLOCKER FOR THE TREATMENT OF SLEEP APNEA**
[54] **COMBINAISON D'ANTAGONISTES D'UN SOUS-TYPE C DE RECEPTEUR A2-ADRENERGIQUE (ALPHA-2C) AVEC UN BLOQUEUR DE CANAL TASK1/3 POUR LE TRAITEMENT DE L'APNEE DU SOMMEIL**
[72] DELBECK, MARTINA, DE
[72] HAHN, MICHAEL, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2023-01-03
[86] 2021-07-05 (PCT/EP2021/068487)
[87] (WO2022/008426)
[30] EP (20184206.9) 2020-07-06

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[13] A1
[51] **Int.Cl. A61K 31/5513 (2006.01) A61P 31/14 (2006.01) C07D 498/04 (2006.01) C07D 498/10 (2006.01) C07D 498/20 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **BENZODIAZEPINE DERIVATIVES USEFUL IN TREATING A RESPIRATORY SYNCYTIAL VIRUS INFECTION**
[54] **DERIVES DE BENZODIAZEPINE UTILES POUR LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] BARRETT, MATTHEW, GB
[72] COCKERILL, GEORGE STUART, GB
[72] GOOD, JAMES, GB
[72] AVERY, CRAIG ALEX, GB
[72] COCHRANE, EDWARD JAMES, GB
[72] JONES, STEFAN PAUL, GB
[72] ONIONS, STUART THOMAS, GB
[72] WARNER, ANDREW JOSEPH, GB
[71] PFIZER INC., US
[85] 2023-01-03
[86] 2021-07-07 (PCT/GB2021/051731)
[87] (WO2022/008911)
[30] GB (2010409.7) 2020-07-07

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[13] A1
[51] **Int.Cl. B25J 5/00 (2006.01) G06Q 10/08 (2023.01) B65G 1/04 (2006.01) B65G 1/137 (2006.01) B65G 65/00 (2006.01)**
[25] EN
[54] **SYSTEMS FOR LOADING AND UNLOADING MOVABLE STOCK-PICKING HOLDERS ON A AUTONOMOUS MOBILE ROBOT FOR ORDER PICKING**
[54] **SYSTEMES DE CHARGEMENT ET DE DECHARGEMENT DE SUPPORTS MOBILES DE COLLECTE SUR UN ROBOT AUTONOME MOBILE POUR LA PREPARATION DE COMMANDE**
[72] JACQUEMART, VINCENT, FR
[72] MENIGOZ, NICOLAS, FR
[71] IFOLLOW, FR
[85] 2023-01-03
[86] 2021-07-08 (PCT/EP2021/068943)
[87] (WO2022/008635)
[30] FR (FR2007365) 2020-07-10

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[13] A1
[51] **Int.Cl. A61K 31/5513 (2006.01) A61P 31/14 (2006.01) C07D 498/04 (2006.01) C07D 498/08 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **BENZODIAZEPINE DERIVATIVES USEFUL IN TREATING A RESPIRATORY SYNCYTIAL VIRUS INFECTION**
[54] **DERIVES DE BENZODIAZEPINE UTILES DANS LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] BARRETT, MATTHEW, GB
[72] COCKERILL, GEORGE STUART, GB
[72] GOOD, JAMES, GB
[72] AVERY, CRAIG ALEX, GB
[72] COCHRANE, EDWARD JAMES, GB
[72] ONIONS, STUART THOMAS, GB
[72] WARNER, ANDREW JOSEPH, GB
[71] PFIZER INC., US
[85] 2023-01-03
[86] 2021-07-07 (PCT/GB2021/051732)
[87] (WO2022/008912)
[30] GB (2010408.9) 2020-07-07

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[13] A1
[51] **Int.Cl. B25J 5/00 (2006.01) G06Q 10/08 (2023.01) B65G 1/04 (2006.01) B65G 1/137 (2006.01) B65G 65/00 (2006.01)**
[25] EN
[54] **MOBILE AUTONOMOUS ROBOT FOR ORDER PICKING AND ORDER PICKING METHOD**
[54] **ROBOT AUTONOME MOBILE POUR LA PREPARATION DE COMMANDES ET PROCEDE DE PREPARATION DE COMMANDES**
[72] JACQUEMART, VINCENT, FR
[72] MENIGOZ, NICOLAS, FR
[71] IFOLLOW, FR
[85] 2023-01-03
[86] 2021-07-08 (PCT/EP2021/068944)
[87] (WO2022/008636)
[30] FR (FR2007360) 2020-07-10

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[13] A1
[51] **Int.Cl. C10L 1/10 (2006.01) C10L 10/02 (2006.01) C10L 10/06 (2006.01) C10L 1/222 (2006.01) C10L 1/224 (2006.01) C10L 1/23 (2006.01) C10L 1/238 (2006.01) C10L 1/2387 (2006.01)**
[25] EN
[54] **FUEL ADDITIVES FOR MITIGATING INJECTOR NOZZLE FOULING AND REDUCING PARTICULATE EMISSIONS**
[54] **ADDITIFS DE CARBURANT POUR ATTENUER L'ENCRASSEMENT D'UNE BUSE D'INJECTEUR ET REDUIRE LES EMISSIONS DE PARTICULES**
[72] KUO, CHUNG-HAO, US
[72] RUHE, WILLIAM RAYMOND, JR., US
[72] NG, MAN KIT, US
[72] FUENTES-AFFLICK, PETER A., US
[72] ICKES, ANDREW M., US
[72] CHAN, CARRIE Y., US
[72] GUNAWAN, THERESA L., US
[71] CHEVRON ORONITE COMPANY LLC, US
[71] CHEVRON U.S.A. INC., US
[85] 2023-01-03
[86] 2021-07-07 (PCT/IB2021/056075)
[87] (WO2022/009105)
[30] US (63/048,922) 2020-07-07

[21] **3,188,759**
[13] A1
[51] **Int.Cl. C12N 5/0775 (2010.01)**
[25] EN
[54] **EXTRACELLULAR VESICLES (EVS) DERIVED FROM MESENCHYMAL STROMAL CELLS AND METHOD FOR OBTAINING SAID EVS**
[54] **VESICULES EXTRACELLULAIRES (VE) DERIVES DE CELLULES STROMALES MESENCHYMATEUSES ET PROCEDE D'OBTENTION DE CES VE.**
[72] JURGA, MARCIN, BE
[71] EXO BIOLOGICS SA, BE
[85] 2023-01-03
[86] 2021-07-08 (PCT/EP2021/068989)
[87] (WO2022/008652)
[30] EP (20184893.4) 2020-07-09

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[13] A1
[51] **Int.Cl. A61N 7/00 (2006.01) A61B 18/00 (2006.01) A61H 23/00 (2006.01) A61N 5/02 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **SONOTRODE**
[54] **SONOTRODE**
[72] BRITVA, ALEXANDER, IL
[72] DVERIN, ALEXANDER, IL
[72] PENS, YEVGENY, IL
[72] TOLEDANO, OHAD, IL
[72] BRENNER-LAVIE, HANIT, IL
[72] BELOZERTSEV, ALEXANDER, IL
[72] FARBSTEIN, AVI, US
[71] ALMA LASERS LTD., IL
[85] 2023-01-03
[86] 2021-07-15 (PCT/IB2021/056408)
[87] (WO2022/013815)
[30] US (63/052,828) 2020-07-16
[30] GB (2105076.0) 2021-04-09

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[13] A1
[51] **Int.Cl. A61B 5/1473 (2006.01) G16H 50/30 (2018.01)**
[25] EN
[54] **A DEVICE FOR THE MITIGATION OF A NON-ANALYTE-DERIVED SIGNAL**
[54] **DISPOSITIF POUR L'ATTENUATION D'UN SIGNAL DERIVE D'UN NON-ANALYTE**
[72] WINDMILLER, JOSHUA RAY, US
[72] PEYSER, THOMAS ARNOLD, US
[72] CAMPBELL, ALAN, US
[72] SAMANT, PRADNYA PRAKASH, US
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[72] SEDGHAMIZ, HOOMAN, US
[72] TANGNEY, JARED RYLAN, US
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[54] **RECOMBINANT ADENOVIRUS GENOME HAVING A SYNTHETIC TRANSCRIPTIONAL UNIT AND TWO STEP TRANSCRIPTIONAL REGULATION AND AMPLIFICATION**
[54] **GENOME D'ADENOVIRUS RECOMBINANT COMPRENANT UNE UNITE DE TRANSCRIPTION SYNTHETIQUE ET REGULATION ET AMPLIFICATION DE TRANSCRIPTION EN DEUX ETAPES**
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[72] O'SHEA, CLODAGH, US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
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[54] **ENGINEERED AAV VECTORS**
[54] **VECTEURS AAV MODIFIES**
[72] MICHALAKIS, STYLIANOS, DE
[72] ZOBEL, LENA, DE
[72] BABUTZKA, SABRINA, DE
[72] BIEL, MARTIN, DE
[72] AMMER, HERMANN, DE
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[54] **STABILISATION DE VITAMINE A DANS UNE SOLUTION NUTRITIONNELLE**
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[72] DUPONT, CAROLINE, BE
[72] BROSSARD, GABRIEL, BE
[72] TROUILLY, JEAN-LUC, BE
[72] COUTHOUIS, AURELIE, BE
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[71] BAXTER HEALTHCARE SA, CH
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[54] **APPAREIL A STRUCTURES DE PAPIER A ROULER ET PROCEDE DE CREATION D'UN DISPOSITIF A FUMER**
[72] BOSCH-SANCHEZ, CARLOS J., US
[71] BOSCH-SANCHEZ, CARLOS J., US
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[54] **SYSTEMS AND METHODS DECODING INTENDED SYMBOLS FROM NEURAL ACTIVITY**
[54] **SYSTEMES ET PROCEDES DE DECODAGE DE SYMBOLES CHOISIS A PARTIR D'UNE ACTIVITE NEURONALE**
[72] SHENOY, KRISHNA V., US
[72] HENDERSON, JAIMIE M., US
[72] WILLETT, FRANCIS ROBERT, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **OPTIMIZED MULTIFOCAL WAVEFRONTS FOR PRESBYOPIA CORRECTION**
[54] **FRONTS D'ONDES MULTIFOCAUX OPTIMISES POUR LA CORRECTION DE LA PRESBYTIE**
[72] ZHELEZNYAK, LEN, US
[71] CLERIO VISION, INC., US
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[54] **SYSTEME DE FRAGMENTATION CONTROLEE DE SOLIDES PAR FAISCEAUX ACOUSTIQUES DE VORTEX**
[72] JIMENEZ GONZALEZ, NOE, ES
[72] CAMARENA FEMENIA, FRANCISCO, ES
[72] BENLLOCH BAVIERA, JOSE MARIA, ES
[71] UNIVERSITAT POLITECNICA DE VALENCIA, ES
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[54] **METHODS AND SYSTEMS OF PREDICTING TOTAL LOSS EVENTS**
[54] **PROCEDES ET SYSTEMES DE PREDICTION D'EVENEMENTS DE PERTE TOTALE**
[72] QI, YUTING, US
[72] YOUNG, CORNELIUS, US
[72] SYARIF, RIZKI, US
[72] EREM, BURAK, US
[71] CAMBRIDGE MOBILE TELEMATICS INC., US
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[72] BENSON, RYAN, CA
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[54] **ELECTRONIC DEVICES AND METHODS FOR SELECTING AND DISPLAYING MULTIMODAL CONTENT**
[54] **DISPOSITIFS ELECTRONIQUES ET PROCEDES DE SELECTION ET D'AFFICHAGE DE CONTENU MULTIMODAL**
[72] LAPPE, KATHLEEN, US
[72] BURTON, JONATHAN, US
[71] DIRECT OFFER, INC., US
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[54] **SILICA HYDROGEL COMPOSITE AND ITS USE**
[54] **COMPOSITE D'HYDROGEL DE SILICE ET SON UTILISATION**
[72] VAAHTIO, MINNA, FI
[72] KAIMAINEN, MIKA, FI
[72] FORSBACK, ARI-PEKKA, FI
[72] JOKINEN, MIKA, FI
[72] LEINO, LASSE, FI
[71] DELSITECH OY, FI
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[54] **BIO-BASED MONOMERS AND POLYMERS MADE THEREFROM**
[54] **MONOMERES BIOLOGIQUES ET POLYMERES FABRIQUES A PARTIR DE CEUX-CI**
[72] GEURTSEN, RICHARD, US
[72] YANG, YONG, US
[72] DANDREAUX, GARY, US
[72] GRIGORAS, CRISTIAN, US
[71] BENJAMIN MOORE & CO., US
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[54] **SOIL ANALYSIS METHOD**
[54] **PROCEDE D'ANALYSE DE SOL**
[72] PETROSKI, RICHARD, US
[72] NELSON, RACHEL, US
[71] PRECISION PLANTING LLC, US
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[54] **METHOD OF TREATING CORONAVIRUS INFECTIONS WITH CANNABINOIDS AND DERIVATIVES**
[54] **PROCEDE DE TRAITEMENT D'INFECTIONS A CORONAVIRUS AVEC DES CANNABINOIDES ET DES DERIVES**
[72] DECKWERTH, THOMAS L., US
[71] PASCAL BIOSCIENCES INC., CA
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[54] **FABRICATION DE CELLULES SOLAIRES**
[72] YANG, JUHONG, FR
[72] DE MUNNIK, RAYMOND, FR
[71] SEMCO SMARTECH FRANCE, FR
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[54] **IMPROVEMENTS IN & RELATING TO THE WORKING OF GROUND AND OTHER SURFACES**
[54] **AMELIORATIONS APPORTEES ET ASSOCIEES AU TRAVAIL DU SOL ET D'AUTRES SURFACES**
[72] SHARP, RODNEY WARWICK, NZ
[72] SHARP, BENJAMIN, NZ
[71] PROGRESSIVE IP LIMITED, NZ
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[25] EN
[54] **POLYISOCYANURATE RESIN FOAM HAVING HIGH COMPRESSIVE STRENGTH, LOW THERMAL CONDUCTIVITY, AND HIGH SURFACE QUALITY**
[54] **MOUSSE DE RESINE DE POLYISOCYANURATE AYANT UNE RESISTANCE A LA COMPRESSION ELEVEE, UNE FAIBLE CONDUCTIVITE THERMIQUE ET UNE QUALITE DE SURFACE ELEVEE**
[72] KALUSCHKE, TOBIAS, DE
[72] RENNER, CHRISTIAN, DE
[72] JACOBMEIER, OLAF, DE
[72] KRONIG, SABRINA, DE
[71] BASF SE, DE
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[25] EN
[54] **HEAT EXCHANGER FOR HEATING DEVICES, AND TUBE-ASSEMBLY MODULE FOR A HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR POUR DISPOSITIFS DE CHAUFFAGE, ET MODULE D'ENSEMBLE TUBE POUR UN ECHANGEUR DE CHALEUR**
[72] ALESSANDRINI, ALBERTO, IT
[71] COSMOGAS S.R.L., IT
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[25] EN
[54] **SUBSTITUTED HETEROARYLOXYPYRIDINES, THE SALTS THEREOF AND THEIR USE AS HERBICIDAL AGENTS**
[54] **HETEROARYLOXYPYRIDINES SUBSTITUEES, LEURS SELS ET LEUR UTILISATION COMME AGENTS HERBICIDES**
[72] MCLEOD, MICHAEL CHARLES, DE
[72] BRAUN, RALF, DE
[72] JAKOBI, HARALD, DE
[72] SCHNATTERER, STEFAN, DE
[72] MEISTER, CATHERINE SIMONE, AU
[72] SCHMUTZLER, DIRK, DE
[72] MACHETTIRA, ANU BHEEMAIAH, DE
[72] ASMUS, ELISABETH, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] GATZWEILER, ELMAR, DE
[72] REINGRUBER, ANNA MARIA, DE
[72] DITTGEN, JAN, DE
[72] BOLLENBACH-WAHL, BIRGIT, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **METHODS AND SYSTEMS FOR TRANSDUCER ARRAY PLACEMENT AND SKIN SURFACE CONDITION AVOIDANCE**
[54] **PROCEDES ET SYSTEMES DE PLACEMENT DE RESEAU DE TRANSDUCTEURS ET D'EVITEMENT DE CONDITION DE SURFACE DE LA PEAU**
[72] BAKALO, OREN BEN ZION, IL
[72] SHAMIR, REUVEN RUBY, IL
[71] NOVOCURE GMBH, CH
[85] 2023-01-04
[86] 2021-09-29 (PCT/IB2021/058876)
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[54] **NON-MYDRIATIC HYPERSPECTRAL OCULAR FUNDUS CAMERA**
[54] **CAMERA DE FOND D'OEIL HYPERSPECTRAL NON MYDRIATIQUE**
[72] HADOUX, XAVIER, AU
[72] JANNAUD, MAXIME, AU
[72] LABRECQUE, FRANCIS, AU
[72] VAN WIJNGAARDEN, PETER, AU
[71] CENTRE FOR EYE RESEARCH AUSTRALIA LIMITED, AU
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[86] 2021-07-14 (PCT/AU2021/050754)
[87] (WO2022/011420)
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[54] **NOUVEAUX INHIBITEURS DE VDAC1**
[72] BROWN, WILLIAM DALBY, DK
[72] HANSEN, KRISTIAN TAGE, DK
[72] SALEHI, SEBASTIAN ALBERT, SE
[71] ABARCEO AB, SE
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[51] **Int.Cl. C07H 1/00 (2006.01) C07H 17/07 (2006.01)**
[25] FR
[54] **DIOSMIN PREPARATION METHOD**
[54] **PROCEDE DE PREPARATION DE LA DIOSMINE**
[72] SCHIAVI, BRUNO, FR
[72] BESCOND, PHILIPPE, FR
[72] MOUCHET, PATRICK, FR
[71] LES LABORATOIRES SERVIER, FR
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[30] EP (20315345.7) 2020-07-09

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[51] **Int.Cl. B22D 41/24 (2006.01) B22D 41/34 (2006.01) B22D 41/38 (2006.01) B22D 41/40 (2006.01)**
[25] EN
[54] **SLIDING CLOSURE AT THE OUTLET OF A METALLURGIC CONTAINER**
[54] **PORTE COULISSANTE SUR LE BEC VERSEUR D'UN RECIPIENT METALLURGIQUE**
[72] HEINRICH, BEAT, CH
[72] COUSIN, JEAN-DANIEL, CH
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2023-01-04
[86] 2021-06-04 (PCT/EP2021/065008)
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[30] EP (20186977.3) 2020-07-21

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[51] **Int.Cl. H01F 30/12 (2006.01) H02J 3/18 (2006.01)**
[25] EN
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[54] **ENSEMBLE TRANSFORMATEUR DE PUISSANCE**
[72] TIRILLY, SERGE, FR
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2023-01-04
[86] 2021-06-22 (PCT/EP2021/066923)
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[30] EP (20184187.1) 2020-07-06

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[54] **THROMBOXANE RECEPTOR ANTAGONIST FORMULATIONS**
[54] **FORMULATIONS D'ANTAGONISTE DU RECEPTEUR DU THROMBOXANE**
[72] KINSELLA, B. THERESE, IE
[72] REID, HELEN, IE
[72] MULVANEY, EAMON, IE
[71] ATXA THERAPEUTICS LIMITED, IE
[85] 2023-01-04
[86] 2021-07-06 (PCT/EP2021/068672)
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[51] **Int.Cl. G16H 20/10 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING OR PREDICTING RETURN IN MAJOR DEPRESSIVE DISORDER**
[54] **SYSTEME ET PROCEDE POUR DETECTER OU PREDIRE UNE RECHUTE DE TROUBLE DEPRESSIF MAJEUR**
[72] VAIRAVAN, SRINIVASAN, US
[72] NARAVAYAN, VAIBHAV, US
[72] MORRISON, RANDALL L., US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2023-01-04
[86] 2021-07-06 (PCT/EP2021/068689)
[87] (WO2022/008523)
[30] US (63/049,053) 2020-07-07
[30] US (63/202,871) 2021-06-28

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[51] **Int.Cl. C07H 3/02 (2006.01) C12P 7/18 (2006.01) C12P 7/62 (2022.01) C12P 19/02 (2006.01)**
[25] EN
[54] **ALKALINE HYDROLYSIS OF WASTE CELLULOSE**
[54] **HYDROLYSE ALCALINE DE DECHETS CELLULOSIQUES**
[72] BASTIOLI, CATIA, IT
[72] CAPUZZI, LUIGI, IT
[72] COTTI COMETTINI, MARCO, IT
[72] PERINI, DAVIDE, IT
[72] TORCHIO, MATTIA, IT
[71] NOVAMONT S.P.A., IT
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[30] IT (102020000016651) 2020-07-09

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[51] **Int.Cl. A61K 39/12 (2006.01)**
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[54] **RNA REPLICON VACCINES AGAINST HBV**
[54] **VACCINS A BASE DE REPLICON D'ARN CONTRE LE VHB**
[72] DEHART, JASON L., US
[72] WANG, NATHANIEL STEPHEN, US
[72] ALIAHMAD, PARINAZ, US
[72] MAINE, CHRISTIAN, US
[72] DAVIS, HEATHER LYNN, BE
[72] PACE, CRAIG, US
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
[85] 2023-01-04
[86] 2021-07-07 (PCT/EP2021/068879)
[87] (WO2022/008613)
[30] US (63/049,400) 2020-07-08
[30] US (63/144,051) 2021-02-01

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[13] A1
[51] **Int.Cl. B28D 1/22 (2006.01) E04F 15/00 (2006.01) E04F 21/00 (2006.01) E04F 21/20 (2006.01) E04F 21/22 (2006.01)**
[25] EN
[54] **A CUTTING AND LAYING AID FOR CUTTING AND LAYING FLOORBOARDS IN A HERRINGBONE PATTERN**
[54] **SYSTEME D'AIDE A LA DECOUPE ET A LA POSE DESTINE A DECOUPER ET A POSER DES LAMES DE PLANCHER EN MODE EN CHEVRON**
[72] RULAND, CARL, DE
[71] VAN DER VLIS DESIGN GMBH, DE
[85] 2023-01-05
[86] 2021-07-09 (PCT/EP2021/069189)
[87] (WO2022/008727)
[30] DE (10 2020 118 329.1) 2020-07-10

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[51] **Int.Cl. C08G 18/12 (2006.01) C08K 3/013 (2018.01) C08G 18/22 (2006.01) C08G 18/30 (2006.01) C08G 18/32 (2006.01) C08G 18/48 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01) C08J 9/06 (2006.01) C08J 9/14 (2006.01) C08K 5/54 (2006.01) C08L 75/08 (2006.01)**
[25] EN
[54] **A REACTION MIXTURE FOR MANUFACTURING AN INORGANIC-FILLER BASED CLOSED-CELL RIGID POLYURETHANE OR POLYISOCYANURATE CONTAINING FOAM**
[54] **MELANGE REACTIONNEL POUR LA PRODUCTION D'UNE MOUSSE RIGIDE A CELLULES FERMEES A BASE DE CHARGE INORGANIQUE CONTENANT DU POLYURETHANE OU DU POLYISOCYANURATE**
[72] JONCHERAY, THOMAS JULIEN, BE
[72] BRASSINNE, JEREMY FREDERIC SYLVAIN, BE
[72] GEUMEZ, GILLES JEAN, BE
[72] ESMAEILI, NIMA, BE
[72] GUO, XIAODONG, BE
[72] MOESEN, MAARTEN, BE
[72] RICHTER, NADJA KATHRIN, BE
[72] BRENNAN, MARK JOSEPH, BE
[72] KLEIN, RENE ALEXANDER, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2023-01-05
[86] 2021-07-22 (PCT/EP2021/070596)
[87] (WO2022/028916)
[30] EP (PCT/EP2020/071940) 2020-08-04

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[25] EN
[54] **DISPENSING SYSTEM AND A METHOD FOR ITS OPERATION, CLEANING UNIT AND DISPENSING UNIT**
[54] **SYSTEME DE DISTRIBUTION ET SON PROCEDE DE FONCTIONNEMENT, UNITE DE NETTOYAGE ET UNITE DE DISTRIBUTION**
[72] MOCK, ELMAR, CH
[72] MARETTE, ALEXIS, CH
[71] GJOSA SA, CH
[85] 2023-01-04
[86] 2021-07-13 (PCT/EP2021/069521)
[87] (WO2022/013251)
[30] CH (00864/20) 2020-07-14

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[25] EN
[54] **PARENTERAL NUTRITION FORMULATION COMPRISING VITAMIN B12**
[54] **FORMULATION POUR NUTRITION PARENTERALE COMPRENANT DE LA VITAMINE B12**
[72] DUPONT, CAROLINE, BE
[72] BOUREZG, ZOUAOUI, BE
[72] COUTHOUIS, AURELIE, BE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2023-01-05
[86] 2021-09-24 (PCT/EP2021/076321)
[87] (WO2022/063963)
[30] EP (20198426.7) 2020-09-25

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[51] **Int.Cl. G06F 30/13 (2020.01) G06F 17/10 (2006.01) G06T 15/00 (2011.01)**
[25] EN
[54] **THREE DIMENSIONAL STRUCTURAL PLACEMENT REPRESENTATION SYSTEM**
[54] **SYSTEME DE REPRESENTATION DE PLACEMENT STRUCTURAL TRIDIMENSIONNEL**
[72] GLENN, STEVE, US
[72] LANGTON, MATT, US
[72] DESHMUKH, KRANTI, US
[72] BHATTACHARYA, DEEP, US
[72] GIANCOLA, NICK, US
[71] PLANT PREFAB, INC., US
[85] 2023-01-04
[86] 2021-06-02 (PCT/US2021/035540)
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[30] US (16/998,460) 2020-08-20

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[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) A61K 9/133 (2006.01) A61K 31/7088 (2006.01) A61K 35/76 (2015.01) A61K 35/12 (2015.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PRODUCING VIRAL FUSOSOMES**
[54] **PROCEDES ET COMPOSITIONS POUR PRODUIRE DES FUSOSOMES VIRAUX**
[72] LEE, BENHUR, US
[72] MEE, MICHAEL TRAVIS, US
[72] SHAH, JAGESH V., US
[72] TRUDEAU, KYLE MARVIN, US
[71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US
[85] 2023-01-04
[86] 2021-07-06 (PCT/US2021/040501)
[87] (WO2022/010889)
[30] US (63/048,524) 2020-07-06

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[13] A1
[51] **Int.Cl. B32B 7/04 (2019.01) B32B 27/06 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **MULTILAYER FILM**
[54] **FILM MULTICOUCHE**
[72] KINNAN, MICHAEL A., US
[72] KITZMILLER, BROOKE D., US
[71] BERRY GLOBAL, INC., US
[85] 2023-01-04
[86] 2021-07-14 (PCT/US2021/041574)
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[30] US (63/059,277) 2020-07-31

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[13] A1
[51] **Int.Cl. G01B 17/02 (2006.01) G01H 11/00 (2006.01) G01N 29/22 (2006.01) G01N 29/26 (2006.01) G01N 29/27 (2006.01)**
[25] EN
[54] **ULTRASONIC TESTING WITH SINGLE SHOT PROCESSING**
[54] **TEST PAR ULTRASONS A TRAITEMENT A UNE SEULE IMPULSION**
[72] THOMAS, ANDREW, US
[71] EVIDENT SCIENTIFIC, INC., US
[85] 2023-01-04
[86] 2021-07-22 (PCT/US2021/042712)
[87] (WO2022/020553)
[30] US (16/937,826) 2020-07-24

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[13] A1
[51] **Int.Cl. B61L 27/00 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RAILWAY ASSET MANAGEMENT**
[54] **SYSTEMES ET PROCEDES DE GESTION D'ACTIFS FERROVIAIRES**
[72] WEINER, EVAN, US
[72] MYERS, BRAD A., US
[71] AMSTED RAIL COMPANY, INC., US
[85] 2023-01-05
[86] 2021-06-29 (PCT/US2021/039669)
[87] (WO2022/010697)
[30] US (63/048,871) 2020-07-07
[30] US (63/153,652) 2021-02-25

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[13] A1
[51] **Int.Cl. B01D 53/86 (2006.01) B01J 29/06 (2006.01) B01J 35/10 (2006.01)**
[25] EN
[54] **COMPLETE OXIDATION CATALYSTS FOR DILUTE ALKANES**
[54] **CATALYSEURS D'OXYDATION COMPLETS POUR ALCANES DILUES**
[72] RADAELLI, GUIDO, US
[72] PINAUDA, LUCA, US
[72] SCHER, ERIK, US
[71] ICARUS TECHNOLOGY LLC, US
[85] 2023-01-05
[86] 2021-07-02 (PCT/US2021/040253)
[87] (WO2022/010769)
[30] US (63/048,400) 2020-07-06

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[51] **Int.Cl. A61K 31/015 (2006.01) A61K 31/16 (2006.01) A61K 31/4192 (2006.01)**
[25] EN
[54] **KCNT1 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS DE KCNT1 ET PROCEDES D'UTILISATION**
[72] GRIFFIN, ANDREW MARK, CA
[72] MARTINEZ BOTELLA, GABRIEL, US
[71] PRAXIS PRECISION MEDICINES, INC., US
[85] 2023-01-05
[86] 2021-07-06 (PCT/US2021/040486)
[87] (WO2022/010880)
[30] US (63/048,335) 2020-07-06

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[13] A1
[51] **Int.Cl. C10G 9/16 (2006.01) C10G 70/04 (2006.01)**
[25] EN
[54] **PROCESS AND PLANT FOR OBTAINING HYDROCARBONS**
[54] **PROCEDE ET INSTALLATION D'OBTENTION D'HYDROCARBURES**
[72] HOFEL, TORBEN, DE
[72] KUNKEL, JOSEF, DE
[71] LINDE GMBH, DE
[85] 2023-01-04
[86] 2021-07-16 (PCT/EP2021/069967)
[87] (WO2022/013424)
[30] EP (20186559.9) 2020-07-17
[30] EP (20207386.2) 2020-11-13

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[13] A1
[51] **Int.Cl. B65B 31/02 (2006.01) A23L 3/3418 (2006.01) B65B 31/00 (2006.01) B65B 31/04 (2006.01) B65B 51/10 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR MODIFIED ATMOSPHERE PACKAGING**
[54] **APPAREIL, SYSTEME ET PROCEDE D'EMBALLAGE SOUS ATMOSPHERE MODIFIEE**
[72] BELLMAN, CHRISTINA, US
[72] ARTALE, RYAN, US
[72] SODERBERG, MARK, US
[72] TRUDEL, THOMAS, US
[71] GLUP LLC, US
[85] 2023-01-05
[86] 2021-07-06 (PCT/US2021/040517)
[87] (WO2022/010900)
[30] US (63/048,311) 2020-07-06

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[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **A PROCESS FOR APPLYING A COATING COMPRISING ONE OR MORE POLYSACCHARIDES WITH BINDING AFFINITY FOR BIOANALYTES ONTO THE SURFACE OF A MEDICAL SAMPLING DEVICE, AND THE MEDICAL SAMPLI NG DEVICE FOR CAPTURE OF BIOANALYTES PROVIDED WITH THE COATING**
[54] **PROCEDE D'APPLICATION D'UN REVETEMENT COMPRENANT UN OU PLUSIEURS POLYSACCHARIDES PRESENTANT UNE AFFINITE DE LIAISON POUR DES ANALYTES BIOLOGIQUES SUR LA SURFACE D'UN DISPOSITIF DE PRELEVEMENT MEDICAL, ET DISPOSITIF DE PRELEVEMENT MEDICAL POUR LA CAPTURE D'ANALYTES BIOLOGIQUES DOTE DU REVETEMENT**
[72] WIEGMAN, PETER IMMANUEL, NL
[72] MULDER, HANS PETER, NL
[71] IDRIS ONCOLOGY B.V., NL
[85] 2023-01-04
[86] 2021-08-09 (PCT/EP2021/072169)
[87] (WO2022/034027)
[30] NL (2026271) 2020-08-14

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[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **A PROCESS FOR APPLYING A COATING COMPRISING HYALURONIC ACID ONTO THE SURFACE OF A MEDICAL SAMPLING DEVICE, AND THE MEDICAL SAMPLING DEVICE FOR CAPTURE OF CIRCULATING TUMOR CELLS P ROVIDED WITH THE COATING**
[54] **PROCEDE D'APPLICATION D'UN REVETEMENT COMPRENANT DE L'ACIDE HYALURONIQUE SUR LA SURFACE D'UN DISPOSITIF D'ECHANTILLONNAGE MEDICAL, ET DISPOSITIF D'ECHANTILLONNAGE MEDICAL POUR LA CAPTURE DE CELLULES TUMORALES CIRCULANTES FOURNIES AVEC LE REVETEMENT**
[72] WIEGMAN, PETER IMMANUEL, NL
[72] MULDER, HANS PETER, NL
[71] IDRIS ONCOLOGY B.V., NL
[85] 2023-01-04
[86] 2021-08-09 (PCT/EP2021/072167)
[87] (WO2022/034025)
[30] NL (2026269) 2020-08-14
[30] NL (2026270) 2020-08-14
[30] NL (2026271) 2020-08-14

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[13] A1
[51] **Int.Cl. F24F 11/32 (2018.01) G06Q 50/10 (2012.01) F24F 11/52 (2018.01) F24F 11/58 (2018.01) F24F 11/64 (2018.01)**
[25] EN
[54] **CLOUD-BASED HVAC&R CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE CVC&R FONDES SUR LE NUAGE INFORMATIQUE**
[72] LEHMAN, DELMAR EUGENE, US
[72] LONG, JOSEPH MILTON, US
[72] PEREGORD, COREY CHARLES, US
[71] JOHNSON CONTROLS TYCO IP HOLDINGS LLP, US
[85] 2023-01-05
[86] 2021-07-06 (PCT/US2021/040534)
[87] (WO2022/010913)
[30] US (63/048,576) 2020-07-06

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[13] A1
[51] **Int.Cl. B60L 53/63 (2019.01) H02J 3/14 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **OPTIMIZED CHARGING OF ELECTRIC VEHICLES OVER DISTRIBUTION GRID**
[54] **CHARGE OPTIMISEE DE VEHICULES ELECTRIQUES SUR UN RESEAU DE DISTRIBUTION**
[72] BHARGAVA, APOORV, US
[72] TAGGART, JOHN MARSHALL, US
[71] WEAVE GRID, INC., US
[85] 2023-01-05
[86] 2021-07-07 (PCT/US2021/040617)
[87] (WO2022/010969)
[30] US (16/925,167) 2020-07-09

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[13] A1
[51] **Int.Cl. B65D 81/18 (2006.01) G06Q 30/06 (2023.01) G06Q 30/08 (2012.01) A45C 3/12 (2006.01) A47F 7/08 (2006.01) G06Q 30/00 (2023.01)**
[25] EN
[54] **APPARATUS AND SYSTEM FOR AUTHENTICATING, GRADING, AND ENCAPSULATING COLLECTIBLES**
[54] **APPAREIL ET SYSTEME D'AUTHENTIFICATION, DE DETERMINATION DE LA QUALITE ET D'ENCAPSULATION D'ARTICLES DE COLLECTION**
[72] DOLMAYAN, JOHN HOVIG, US
[71] SGCC, INC., US
[85] 2023-01-05
[86] 2021-07-07 (PCT/US2021/040737)
[87] (WO2022/011044)
[30] US (63/049,011) 2020-07-07

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[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/56 (2006.01) A61B 17/92 (2006.01)**
[25] EN
[54] **SURGICAL TOOL AND FIXATION DEVICES**
[54] **OUTIL CHIRURGICAL ET DISPOSITIFS DE FIXATION**
[72] LAUGHLIN, TREVOR JACOB, US
[72] ARMSTRONG, WILLIAM D., US
[71] MFR TECHNOLOGIES, INC., US
[85] 2023-01-05
[86] 2021-07-07 (PCT/US2021/040745)
[87] (WO2022/011051)
[30] US (63/048,933) 2020-07-07

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[13] A1
[51] **Int.Cl. B02C 18/30 (2006.01) B02C 18/06 (2006.01) B02C 18/08 (2006.01) B02C 18/36 (2006.01) B02C 19/20 (2006.01) C12M 1/33 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TISSUE PROCESSING**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT DE TISSU**
[72] LANZONI, GIACOMO, US
[72] RICORDI, CAMILLO, US
[71] UNIVERSITY OF MIAMI, US
[71] LANZONI, GIACOMO, US
[71] RICORDI, CAMILLO, US
[85] 2022-10-06
[86] 2021-04-06 (PCT/US2021/025941)
[87] (WO2021/207177)
[30] US (63/005,900) 2020-04-06

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01B 49/06 (2006.01) A01B 63/00 (2006.01) A01B 71/02 (2006.01) A01B 79/00 (2006.01) A01C 5/06 (2006.01) A01C 7/10 (2006.01)**
[25] EN
[54] **AGRICULTURAL PLANTER DEPTH CALIBRATION BLOCK**
[54] **BLOC D'ETALONNAGE DE PROFONDEUR DE SEMOIR AGRICOLE**
[72] PATTON, BLAKE PAUL, US
[71] PATTON, BLAKE PAUL, US
[85] 2023-01-05
[86] 2021-06-09 (PCT/US2021/070682)
[87] (WO2022/011367)
[30] US (16/946,759) 2020-07-06

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[13] A1
[51] **Int.Cl. H04B 10/70 (2013.01) G06N 10/00 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME POLARIZATION DRIFT COMPENSATION IN OPTICAL FIBER CHANNELS USED FOR QUANTUM COMMUNICATIONS**
[54] **SYSTEMES ET PROCEDES DE COMPENSATION DE DERIVE DE POLARISATION EN TEMPS REEL DANS DES CANAUX A FIBRES OPTIQUES UTILISES POUR DES COMMUNICATIONS QUANTIQUES**
[72] FLAMENT, MAEL, US
[72] NAMAZI, MEHDI, US
[72] SEKELSKY, ROURKE, US
[72] PORTMANN, GABRIEL BELLO, US
[71] QUNNECT, INC., US
[85] 2023-01-05
[86] 2021-09-03 (PCT/US2021/049052)
[87] (WO2022/086634)
[30] US (63/075,060) 2020-09-04

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[13] A1
[51] **Int.Cl. H01Q 19/17 (2006.01) H01Q 19/19 (2006.01)**
[25] EN
[54] **MULTISEGMENT ARRAY-FED RING-FOCUS REFLECTOR ANTENNA FOR WIDE-ANGLE SCANNING**
[54] **ANTENNE A REFLECTEUR A FOYER ANNULAIRE ALIMENTEE PAR RESEAU A SEGMENTS MULTIPLES POUR BALAYAGE GRAND ANGLE**
[72] BHATTACHARYYA, ARUN KUMAR, US
[72] TIANANG, ELIE GERMAIN, US
[72] CHERRETTE, ALAN, US
[72] BENNETT, JONATHAN JAMES, US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2023-01-05
[86] 2021-08-09 (PCT/US2021/045244)
[87] (WO2022/035770)
[30] US (16/989,795) 2020-08-10

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[13] A1
[51] **Int.Cl. A61M 31/00 (2006.01) A61M 5/20 (2006.01) A61M 5/30 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **INGESTIBLE DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS A INGERER**
[72] ARRICK, GRAHAM, US
[72] GWYNNE, DECLAN, US
[72] WAINER, JACOB, US
[72] TRAVERSO, CARLO GIOVANNI, US
[72] STICKER, DRAGO, SE
[72] WATER, JORRIT JEROEN, DK
[72] MOURIDSEN, BRIAN, DK
[72] POULSEN, METTE, DK
[72] SORENSEN, DAN NORTOFT, DK
[72] JEPSEN, JACOB PYUNG HWA, DK
[72] CLEVELAND, CODY, DK
[72] GHAZAL, AGHIAD, DK
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] NOVO NORDISK A/S, DE
[85] 2023-01-05
[86] 2021-08-09 (PCT/US2021/045196)
[87] (WO2022/035750)
[30] US (63/063,818) 2020-08-10

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[13] A1
[51] **Int.Cl. A23L 27/00 (2016.01) C12Q 1/6804 (2018.01) G01N 33/566 (2006.01)**
[25] EN
[54] **SAVORY TASTE ENHANCEMENT VIA TRANSMEMBRANE REGION BINDING**
[54] **AMELIORATION DE GOUT SAVOUREUX VIA UNE LIAISON DE REGION TRANSMEMBRANAIRE**
[72] SERVANT, GUY, US
[71] FIRMENICH INCORPORATED, US
[85] 2023-01-05
[86] 2021-07-21 (PCT/US2021/042523)
[87] (WO2022/020435)
[30] US (63/056,389) 2020-07-24

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[13] A1
[51] **Int.Cl. G06Q 10/10 (2023.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF ACCESSING SENSOR-BASED DRIVING DATA**
[54] **PROCEDES ET SYSTEMES D'ACCES A DES DONNEES DE CONDUITE BASEES SUR UN CAPTEUR**
[72] LEWIN, MATTHEW EVAN, US
[72] QI, YUTING, US
[72] ADELMANN, JOSEPH PATRICK, US
[72] ABILDGAARD JR., WILLIAM, US
[72] SINGHANIA, ANKIT, US
[72] GELBERG, EDWARD, US
[71] CAMBRIDGE MOBILE TELEMATICS INC., US
[85] 2023-01-05
[86] 2021-07-20 (PCT/US2021/042285)
[87] (WO2022/020293)
[30] US (63/053,980) 2020-07-20
[30] US (17/379,682) 2021-07-19

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[13] A1
[51] **Int.Cl. B65B 1/02 (2006.01) B65B 1/06 (2006.01) B65B 1/32 (2006.01) B65B 1/36 (2006.01) B65B 29/00 (2006.01) B65B 65/02 (2006.01) B65B 31/02 (2006.01) B65B 43/02 (2006.01) B65B 43/46 (2006.01) B65B 51/10 (2006.01) B65B 51/22 (2006.01) B65B 61/00 (2006.01)**
[25] EN
[54] **MACHINE FOR FORMING BAGS WITH INFUSION OR EXTRACTION PRODUCTS**
[54] **MACHINE SERVANT A FORMER DES SACHETS CONTENANT DES PRODUITS D'INFUSION OU D'EXTRACTION**
[72] RIVOLA, SAURO, IT
[72] PETRILLO, MARCO, IT
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[54] **METHOD AND APPARATUS FOR MAKING SINGLE-USE CAPSULES FOR BEVERAGES**
[54] **PROCEDE ET APPAREIL DE FABRICATION DE CAPSULES A USAGE UNIQUE POUR BOISSONS**
[72] MANARESI, GIORGIO, IT
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[54] **SYSTEMES ET PROCEDES DE DIGESTION ANAEROBIE**
[72] MANN, CHRISTOPHER MARK, GB
[72] TAYLOR, TOM RICHARD, GB
[72] MANN, LUKE JAMES, GB
[72] BAKER, RICHARD ALEXANDER, GB
[72] FOOTE, JAMES WILLIAM, GB
[72] BRADSHAW, THOMAS WILLIAM, GB
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[54] **COMPOSITIONS ET PROCEDES POUR DESINFECTER, TRAITER ET PREVENIR DES INFECTIONS MICROBIENNES**
[72] ALMAS, GEIR HERMOD, NO
[72] RONGVED, PAL, NO
[72] BJARNSHOLT, THOMAS, NO
[71] WIAB WATER INNOVATION AB, SE
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[72] MOUGHTON, COLIN PETER, GB
[72] DONLON, STEPHEN JOHN, GB
[72] KAY, CHRISTOPHER, GB
[72] HEWINS, JACOB ALEXANDER JOHN, GB
[71] STRIX LIMITED, GB
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[54] **DERIVES D'AZETIDINE POUR LE TRAITEMENT DE MALADIES SE RAPPORTANT AUX INTEGRINES**
[72] MCINALLY, THOMAS, GB
[72] MACDONALD, SIMON, GB
[72] MOODY, CHRISTOPHER, GB
[72] HATLEY, RICHARD, GB
[72] BARRETT, TIM, GB
[72] WATSON, MORAG, GB
[72] RITCHIE, TIMOTHY, GB
[71] UNIVERSITY OF NOTTINGHAM, GB
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[54] **SURFACE A DOUBLE FONCTION POUR LA CAPTURE ET L'ETALEMENT DE CELLULES**
[72] HOESLI, CORINNE A., CA
[72] BASHTH, OMAR SALEM AHMED, CA
[72] ELKHODIRY ABOELEELA MOHAMED, MOHAMED ALY, CA
[72] LAROCHE, GAETAN, CA
[72] BOULANGER, MARIEVE, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
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[54] **DISPOSITIF DE COMMANDE DE PORTE POUR VEHICULE TELEPHERIQUE**
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[72] SCHAUERTE, SEBASTIAN, AT
[72] HAMMERLE, STEFAN, AT
[71] INNOVA PATENT GMBH, AT
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[54] **PRINTHEAD, PRINTING DEVICE, USE OF A PRINTHEAD AND A PRINTING DEVICE IN A 3D PRINTING METHOD AND CORRESPONDING METHOD**
[54] **TETE D'IMPRESSION, DISPOSITIF D'IMPRESSION, UTILISATION D'UNE TETE D'IMPRESSION ET D'UN DISPOSITIF D'IMPRESSION DANS UN PROCEDE D'IMPRESSION 3D ET PROCEDE CORRESPONDANT**
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[71] KRAUSSMAFFEI TECHNOLOGIES GMBH, DE
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[72] RICHERT, WITALI, DE
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[54] **PROCEDES ET COMPOSITIONS POUR AMELIORER LA SANTE ET LA PROTECTION DE PLANTES**
[72] MELIDA MARTINEZ, HUGO, ES
[72] REBAQUE MORAN, DIEGO, ES
[72] JORDA MIRO, LUCIA, ES
[72] DEL HIERRO GARCIA, IRENE, ES
[72] BACETE CANO, LAURA, ES
[72] LOPEZ, GEMMA, ES
[72] PEREZ JIMENEZ, ROSA, MARIA, ES
[72] BRUNNER, FREDERIC, DE
[72] MOLINA FERNANDEZ, ANTONIO, ES
[71] UNIVERSIDAD POLITECNICA DE MADRID, ES
[71] PLANT RESPONSE, INC., US
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[54] **PROCEDES DE FOURNITURE DE MODULATEURS DE L'AGREGATION DE TAU**
[72] MAZANETZ, MICHAEL PHILIP, GB
[72] WISCHIK, CLAUDE MICHEL, GB
[72] SERPELL, LOUISE CHARLOTTE, GB
[72] STOREY, JOHN MERVYN DAVID, GB
[71] GTINVENT LIMITED, GB
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[54] **PROTEINES DE SARS-COV-2, ANTICORPS ANTI-SARS-COV-2, ET PROCEDES LES UTILISANT**
[72] HUGHES, GLEN, GB
[72] MARCH, RUTH E., GB
[72] ESSER, MARK, US
[72] MCTAMNEY, II, PATRICK, US
[72] LOO, YUEH-MING, US
[72] VARKEY, REENA M., US
[72] DU, QUN, US
[72] STEINHARDT, JAMES, US
[72] RAJAN, SARAVANAN, US
[71] ASTRAZENECA UK LIMITED, GB
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[54] **PROCEDE DE DETECTION DE DISCONTINUITES ET SYSTEME METTANT EN OEUVRE CE PROCEDE**
[72] COPERET, PHILIPPE, FR
[72] CAMUS, LIEVIN, FR
[72] CARPEZA, JEAN-MARC, FR
[71] SOCOMATE INTERNATIONAL, FR
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[54] **DISPOSITIF DE MOULAGE ET TUYAU METALLIQUE**
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[72] IDE, AKIHIRO, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[25] EN
[54] **TREATMENT DEVICE, TREATMENT METHOD, METHOD FOR MANUFACTURING METAL PIPE MATERIAL, AND METAL PIPE MATERIAL**
[54] **DISPOSITIF DE TRAITEMENT, PROCEDE DE TRAITEMENT, PROCEDE DE FABRICATION DE MATERIAU DE TUYAU METALLIQUE ET MATERIAU DE TUYAU METALLIQUE**
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[72] IDE, AKIHIRO, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[71] 3H BIO. CO., LTD., KR
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[54] **BOBINE A NOYAU D'AIR CCHT**
[72] EDER, JOSEF, AT
[72] FROHLICH, BERNHARD, AT
[72] SCHUSTER, RAINER, AT
[71] COIL HOLDING GMBH, AT
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[54] **MACHINE A FLUX ROTODYNAMIQUE CHEMISEE POUR REACTEUR NUCLEAIRE A SELS FONDUS ET PALIER MAGNETIQUE ACTIF DESTINE A ETRE UTILISE DANS UNE MACHINE A FLUX POUR REACTEUR NUCLEAIRE A SEL S FONDUS**
[72] STUBSGAARD, ASLAK, DK
[72] PEDERSEN, THOMAS JAM, DK
[72] STEENBERG, THOMAS, DK
[71] COPENHAGEN ATOMICS APS, DK
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[54] **HEAT EXCHANGNG ELEMENT AND HEAT EXCHANGE VENTILATOR**
[54] **ELEMENT D'ECHANGE DE CHALEUR ET DISPOSITIF DE VENTILATION A ECHANGE DE CHALEUR**
[72] WATANABE, TOMOYA, JP
[72] TSUBOUCHI, TSUYOSHI, JP
[72] OKAWA, SHUNSABURO, JP
[72] SOTOKAWA, HAJIME, JP
[72] HAZUMI, KIMIKAZU, JP
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[72] GUO, DONGKAI, CA
[72] ROGERS, DARREN EDWARD, CA
[72] BLAIS, PIERRE PIERRE, CA
[72] HAINES, MICHAEL GEORGE, CA
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[54]
[72] HOWARD, DUSTIN, US
[72] ACHILLES, ALFREDO SEBASTIAN, US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **PROCEDE DE DRAINAGE DE SOLVANT THERMIQUE PAR GRAVITE ET STRATEGIES D'EXPLOITATION**
[72] SMITH, JENNIFER, CA
[72] RUPERT, KRISTOPHER, CA
[72] IBATULLIN, TAIR, CA
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[72] HENCO, KARSTEN, DE
[72] BAUER, GUNTER, DE
[72] DUCKWORTH, JUSTIN, GB
[72] HAYDAY, ADRIAN, GB
[72] EDELSON, RICHARD, US
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[54] **PROCEDE D'ESSAI D'UN COMPRESSEUR OU D'UNE CHAMBRE DE COMBUSTION D'UN MOTEUR DE TURBINE A GAZ AU MOYEN D'UN GRAND RESERVOIR DE STOCKAGE D'AIR COMPRIME**
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[72] MEMMEN, ROBERT L., US
[71] FLORIDA TURBINE TECHNOLOGIES, INC., US
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[54] **METHODES POUR GENERER DES CHAMPS MAGNETIQUES DIRECTIONNELS ET APPAREILS MAGNETIQUES CONNEXES**
[72] TREVORS, EVAN, CA
[72] JAVOR, JOSH, CA
[72] RUIZ, CHRISTIAN, US
[72] SIMIN, NICHOLAS, US
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[54] **COMPOSITIONS COMPRISING CANNABIDIOL AND SECOND THERAPEUTIC AGENTS FOR THE TREATMENT OF CANCER**
[54] **COMPOSITIONS COMPRENANT DU CANNABIDIOL ET UN DES SECONDS AGENTS THERAPEUTIQUES POUR LE TRAITEMENT DU CANCER**
[72] NATHAN, ILANA, IL
[72] VOGEL, ZVI, IL
[72] UPPALAPATI, LAKSHMI NARASAIAH, IN
[72] GERALNIK, ADELA JUKNAT, IN
[71] JAY PHARMA, INC., CA
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[54] **MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES**
[54] **SYSTEME DE TRAITEMENT MEDICAL ET PROCEDES UTILISANT PLUSIEURS TUYAUX DE FLUIDE**
[72] DEMERS, JASON A., US
[72] MCGILL, DAVID W., US
[72] SCARPACI, JACOB W., US
[72] DALE, JAMES D., US
[72] BODWELL, JESSE T., US
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[54] **MOTION TRACKING SYSTEM WITH INERTIAL-BASED SENSING UNITS**
[54] **SYSTEME DE SUIVI DE MOUVEMENT AVEC UNITES DE DETECTION BASEES SUR L'INERTIE**
[72] MAHFOUZ, MOHAMED R., US
[72] TO, GARY, US
[71] JOINTVUE, LLC, US
[22] 2014-03-12
[41] 2014-09-25
[62] 2,906,506
[30] US (13/841,402) 2013-03-15

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[54] **PEGYLATED DRUG-LINKERS FOR IMPROVED LIGAND-DRUG CONJUGATE PHARMACOKINETICS**
[54] **LIEURS DE MEDICAMENTS PEGYLES POUR PHARMACOCINETIQUE DE CONJUGUES LIGAND-MEDICAMENT AMELIOREE**
[72] LYON, ROBERT, US
[72] BURKE, PATRICK, US
[72] HUNTER, JOSHUA, US
[71] SEAGEN INC., US
[22] 2014-10-14
[41] 2015-04-23
[62] 2,921,707
[30] US (61/891,320) 2013-10-15
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[51] **Int.Cl. H04W 48/20 (2009.01) H04W 48/16 (2009.01) H04W 4/40 (2018.01) B60W 60/00 (2020.01)**
[25] EN
[54] **OPTIMIZING COMMUNICATION FOR AUTOMATED VEHICLES**
[54] **OPTIMISATION DE COMMUNICATION POUR VEHICULES AUTOMATISES**
[72] ROSS, WILLIAM, US
[72] AITKEN, MICHAEL, US
[71] UATC, LLC, US
[22] 2016-12-08
[41] 2017-06-15
[62] 3,005,673
[30] US (14/962,847) 2015-12-08
[30] US (14/962,876) 2015-12-08
[30] US (14/962,918) 2015-12-08
[30] US (14/962,974) 2015-12-08
[30] US (14/963,007) 2015-12-08
[30] US (14/963,038) 2015-12-08

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[13] A1
[25] EN
[54] **WATER RECYCLING SYSTEM**
[54] **SYSTEME DE RECYCLAGE D'EAU**
[72] YEAMAN, TIM, US
[71] SAFE FOODS CORPORATION, US
[22] 2020-03-19
[41] 2020-09-24
[62] 3,133,446
[30] US (62/821,530) 2019-03-21

[21] **3,187,474**
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[54] **BI-AND TRI-LAYER INTERFACIAL LAYERS IN PEROVSKITE MATERIAL DEVICES**
[54] **COUCHES INTERFACIALES A DEUX ET TROIS COUCHES DANS DES DISPOSITIFS A MATERIAUX PEROVSKITES**
[72] IRWIN, MICHAEL D., US
[72] CHUTE, JERRED A., US
[72] DHAS, VIVEK V., US
[71] CUBICPV, INC., US
[22] 2015-11-19
[41] 2016-05-26
[62] 2,968,367
[30] US (62/083,063) 2014-11-21
[30] US (14/711,391) 2015-05-13

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[13] A1
[25] EN
[54] **RADIONUCLIDE GENERATION SYSTEM**
[54] **SYSTEME DE GENERATION DE RADIONUCLEIDES**
[72] RICHTER, THOMAS FABIAN, DE
[72] WISTUBA, LOTHAR, DE
[72] ARNDT, OLIVER, DE
[72] JAAFAR, LEILA, DE
[72] STOLL, UWE, DE
[71] FRAMATOME GMBH, DE
[22] 2015-02-09
[41] 2016-08-18
[62] 2,972,125

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[25] EN
[54] **WEARABLE COMPUTING APPARATUS AND METHOD**
[54] **APPAREIL INFORMATIQUE VESTIMENTAIRE ET PROCEDE ASSOCIE**
[72] AIMONE, CHRISTOPHER ALLEN, CA
[72] GARTEN, ARIEL STEPHANIE, CA
[72] COLEMAN, TREVOR, CA
[72] PINO, LOCILLO (LOU) GIUSEPPE, CA
[72] VIDYARTHI, KAPIL JAY MISHRA, CA
[72] BARANOWSKI, PAUL HARRISON, CA
[72] CHABIOR, MICHAEL APOLLO, CA
[72] CHONG, TRACY, CA
[72] RUPSINGH, RAUL RAJIV, CA
[72] ASHBY, MADELINE, CA
[72] TADICH, PAUL V., CA
[71] INTERAXON INC., CA
[22] 2014-03-17
[41] 2014-09-18
[62] 2,942,852
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[51] **Int.Cl. F21K 9/64 (2016.01) A01G 9/20 (2006.01)**
[25] EN
[54] **LIGHT EMISSION SOURCE LED COMPONENT, HORTICULTURAL LIGHT, AND HORTICULTURAL LIGHTING FIXTURE**
[54] **COMPOSANT DE DEL POUR SOURCE D'ECLAIRAGE, LUMIERE HORTICOLE ET APPAREIL D'ECLAIRAGE HORTICOLE**
[72] AIKALA, LARS, FI
[71] VALOYA OY, FI
[22] 2010-09-16
[41] 2011-03-24
[62] 3,062,755
[30] US (61/243,613) 2009-09-18
[30] FI (20095967) 2009-09-18
[30] US (12/797,215) 2010-06-09

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[54] **PROCESS FOR PREPARING 4-AMINO-PYRIDAZINES**
[54] **PROCEDE DE PREPARATION DE 4-AMINO-PYRIDAZINES**
[72] KLAUBER, ERIC GEORGE, DE
[72] RACK, MICHAEL, DE
[72] GOETZ, ROLAND, DE
[72] SORGEL, SEBASTIAN, DE
[71] BASF AG, DE
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[41] 2016-11-17
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[25] EN
[54] **ADJUSTABLE WEIGHT LIFTING DEVICE**
[54] **DISPOSITIF DE LEVAGE DE POIDS REGLABLE**
[72] SVENBERG, TOMAS, SE
[71] PERSONALITY GYM AB, SE
[22] 2020-05-28
[41] 2021-12-02
[62] 3,162,082

[21] **3,187,511**
[13] A1
[25] EN
[54] **METHOD FOR QOS CAPABILITY NEGOTIATION BETWEEN A USER EQUIPMENT AND A SESSION MANAGEMENT FUNCTION IN A 5G SYSTEM**
[54] **PROCEDE DE NEGOCIATION DE CAPACITE DE QOS ENTRE UN EQUIPEMENT UTILISATEUR ET UNE FONCTION DE GESTION DE SESSION DANS UN SYSTEME 5G**
[72] LIU, JENNIFER, US
[71] NOKIA TECHNOLOGIES OY, FI
[22] 2018-10-11
[41] 2019-04-18
[62] 3,078,656
[30] US (62/572,291) 2017-10-13

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[13] A1
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[54] **FLOW LIMITER FOR REGULATORS**
[54] **LIMITEUR DE DEBIT POUR REGULATEURS**
[72] HART, JUSTIN WADE, US
[72] WEYER, THOMAS LEROY, US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[22] 2020-11-24
[41] 2021-06-03
[62] 3,162,101
[30] US (16/696,096) 2019-11-26

[21] **3,187,536**
[13] A1
[25] EN
[54] **AUTOMATED IDENTIFICATION AND USE OF BUILDING FLOOR PLAN INFORMATION**
[54] **IDENTIFICATION AUTOMATISEE ET UTILISATION DES RENSEIGNEMENTS DE PLAN D'ETAGE D'UN BATIMENT**
[72] YIN, YU, US
[72] HUTCHCROFT, WILL ADRIAN, US
[72] BOYADZHIEV, IVAYLO, US
[72] KANG, SING BING, US
[72] LI, YUJIE, US
[72] MOULON, PIERRE, US
[71] ZILLOW, INC., US
[22] 2021-09-17
[41] 2022-03-22
[62] 3,131,271
[30] US (63/081,744) 2020-09-22

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[13] A1
[51] **Int.Cl. A01N 43/42 (2006.01) A01N 35/02 (2006.01) A01N 37/38 (2006.01) A01N 43/50 (2006.01) A01N 43/58 (2006.01) A01N 47/18 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **PLANT DISEASE CONTROL COMPOSITION AND METHOD FOR CONTROLLING PLANT DISEASE BY APPLICATION OF SAME**
[54] **COMPOSITION DE LUTTE CONTRE UNE MALADIE DE PLANTE, ET PROCEDE DE LUTTE CONTRE UNE MALADIE DE PLANTE PAR APPLICATION DE CETTE DERNIERE**
[72] SAKURAI, SEIYA, JP
[72] OHARA, TOSHIAKI, JP
[72] MORIMOTO, MUNETSUGA, JP
[72] KONDO, NOBUHIRO, JP
[72] IKISHIMA, HIDEAKI, JP
[71] MITSUI CHEMICALS AGRO, INC., JP
[22] 2015-03-19
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[21] **3,187,593**
[13] A1
[51] **Int.Cl. A61C 17/36 (2006.01) A46B 13/04 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **BRUSH TIP WITH MOTION TRANSFER AND SECURING ENGAGEMENT STRUCTURES**
[54] **POINTE DE BROSSE COMPRENANT DES STRUCTURES DE TRANSFERT DU MOUVEMENT ET DE FIXATION**
[72] SOKOL, GARY L., US
[72] LUETTGEN, HAROLD A., US
[71] WATER PIK, INC., US
[22] 2014-03-17
[41] 2014-09-18
[62] 3,070,307
[30] US (61/802,121) 2013-03-15

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[13] A1
[51] **Int.Cl. A61C 17/02 (2006.01) A46B 13/04 (2006.01) A61C 17/34 (2006.01) A61C 17/36 (2006.01)**
[25] EN
[54] **BRUSH TIP WITH MOTION TRANSFER AND SECURING ENGAGEMENT STRUCTURES**
[54] **POINTE DE BROSSE COMPRENANT DES STRUCTURES DE TRANSFERT DU MOUVEMENT ET DE FIXATION**
[72] SOKOL, GARY L., US
[72] LUETTGEN, HAROLD A., US
[71] WATER PIK, INC., US
[22] 2014-03-17
[41] 2014-09-18
[62] 3,070,307
[30] US (61/802,121) 2013-03-15

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[51] **Int.Cl. A61C 17/02 (2006.01) A46B 13/04 (2006.01) A61C 17/34 (2006.01) A61C 17/36 (2006.01)**
[25] EN
[54] **BRUSH TIP WITH MOTION TRANSFER AND SECURING ENGAGEMENT STRUCTURES**
[54] **POINTE DE BROSSE COMPRENANT DES STRUCTURES DE TRANSFERT DU MOUVEMENT ET DE FIXATION**
[72] SOKOL, GARY L., US
[72] LUETTGEN, HAROLD A., US
[71] WATER PIK, INC., US
[22] 2014-03-17
[41] 2014-09-18
[62] 3,070,307
[30] US (61/802,121) 2013-03-15

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[51] **Int.Cl. A61M 1/00 (2006.01) A61F 2/04 (2013.01) A61M 27/00 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **AN IMPLANTABLE DRAINAGE DEVICE**
[54] **DISPOSITIF DE DRAINAGE IMPLANTABLE**
[72] FORSELL, PETER, CH
[71] IMPLANTICA PATENT LTD., MT
[22] 2009-01-28
[41] 2009-08-06
[62] 2,999,337
[30] US (61/006,711) 2008-01-28

[21] **3,187,612**
[13] A1
[25] EN
[54] **REAL PROPERTY INFORMATION MANAGEMENT, RETENTION AND TRANSFERAL SYSTEM AND METHODS FOR USING SAME**
[54] **SYSTEME DE GESTION, DE CONSERVATION ET DE TRANSFERT D'INFORMATIONS DE BIENS IMMOBILIERS ET SES PROCEDES D'UTILISATION**
[72] WOHLSTADTER, JACOB, US
[72] CHRISTIANSEN, BRADLEY, US
[72] LOVELL, CRAIG PHILIP, US
[72] OSGANIAN, MICHAEL, US
[72] VOCK, MICHAEL, US
[71] THERMODYNAMIC DESIGN, LLC, US
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[41] 2008-12-18
[62] 2,928,392
[30] US (60/933,728) 2007-06-08

[21] **3,187,616**
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[25] EN
[54] **TOPICAL CAPECITABINE FOR THE TREATMENT OF HYPERPROLIFERATIVE SKIN CONDITIONS**
[54] **CAPECITABINE TOPIQUE POUR LE TRAITEMENT DE MALADIES DE PEAU HYPERPROLIFERATIVES**
[72] AVRAMOFF, AVI, IL
[72] SHIFRIN, HELENA, IL
[72] SCHLINGER, RON, IL
[72] SHESKIN, TZVIEL, IL
[72] ELKOSHI, ZEEV, IL
[71] TARO PHARMACEUTICAL INDUSTRIES LTD., IL
[22] 2019-01-18
[41] 2019-07-25
[62] 3,088,709
[30] US (62/618,981) 2018-01-18

[21] **3,187,624**
[13] A1
[25] EN
[54] **NEW USE OF NITRITES AND NITRATES AND COMPOSITIONS CONTAINING THESE**
[54] **NOUVELLE UTILISATION DE NITRITES ET DE NITRATES ET COMPOSITIONS LES RENFERMANT**
[72] LUNDBERG, JON, SE
[72] WEITZBERG, EDDIE, SE
[71] HEARTBEET LTD., GB
[22] 2008-02-26
[41] 2008-09-04
[62] 2,678,097
[30] SE (0700520-0) 2007-02-26
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[13] A1
[51] **Int.Cl. B01D 46/52 (2006.01)**
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[54] **FILTER WITH HIGH DUST CAPACITY**
[54] **FILTRE A GRANDE CAPACITE D'EMPOUSSIERAGE**
[72] TATE, JASON, US
[72] CRABTREE, LAMONTE A., US
[71] PARKER HANNIFIN CORPORATION, US
[22] 2015-09-08
[41] 2016-03-17
[62] 2,960,497
[30] US (62/047,334) 2014-09-08

[21] **3,187,647**
[13] A1
[25] EN
[54] **SURFACE TREATMENT BY WATER-SOLUBLE POLYMERS AND LIPIDS/LIPOSOMES**
[54] **TRAITEMENT DE SURFACE PAR DES POLYMERES HYDROSOLUBLES ET DES LIPIDES/LIPOSOMES**
[72] KLEIN, JACOB, IL
[72] GOLDBERG, RONIT, IL
[72] SEROR, JASMINE, IL
[72] LIN, WEIFENG, IL
[72] MASHIACH, REUT, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[22] 2015-06-15
[41] 2015-12-23
[62] 2,950,535
[30] US (62/012,379) 2014-06-15

[21] **3,187,650**
[13] A1
[25] EN
[54] **2'-SUBSTITUTED-N6-SUBSTITUTED PURINE NUCLEOTIDES FOR RNA VIRUS TREATMENT**
[54] **NUCLEOTIDES DE PURINE SUBSTITUES EN POSITION 2'-N 6 POUR LE TRAITEMENT DU VIRUS A ARN**
[72] SOMMADOSSI, JEAN-PIERRE, US
[72] MOUSSA, ADEL, US
[71] ATEA PHARMACEUTICALS, INC., US
[22] 2017-09-06
[41] 2018-03-15
[62] 3,034,648
[30] US (62/384,664) 2016-09-07

[21] **3,187,653**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING DYNAMIC VACUUM PRESSURE AT AN END EFFECTOR USING A SINGLE VACUUM SOURCE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UNE PRESSION DE VIDE DYNAMIQUE AU NIVEAU D'UN EFFECTEUR D'EXTREMITE A L'AIDE D'UNE SOURCE DE VIDE UNIQUE**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2018-11-06
[41] 2019-05-16
[62] 3,080,961
[30] US (62/582,651) 2017-11-07

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[13] A1
[51] **Int.Cl. B25C 1/04 (2006.01) B25C 1/06 (2006.01) B25C 5/10 (2006.01)**
[25] EN
[54] **CYLINDER ASSEMBLY FOR GAS SPRING FASTENER DRIVER**
[54] **ENSEMBLE DE CYLINDRE DESTINE A UN MECANISME DE FIXATION DE RESSORT A GAZ**
[72] POMEROY, EDWARD, US
[72] SCOTT, ZACHARY, US
[72] SCHNELL, JOHN, US
[72] NAMOUZ, ESAM, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
[22] 2017-11-09
[41] 2018-05-09
[62] 2,985,043
[30] US (62/419,801) 2016-11-09

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[13] A1
[25] EN
[54] **UTILITY POLE MOUNTED SOLAR PANELS AND SECURING BRACKETS**
[54] **PANNEAUX SOLAIRES MONTES SUR UN POTEAU DES SERVICES PUBLICS ET SUPPORTS DE FIXATION**
[72] KORNOVICH, LONNIE L., US
[71] KORNOVICH, LONNIE L., US
[22] 2015-07-28
[41] 2016-02-04
[62] 2,955,629
[30] US (14/446,003) 2014-07-29
[30] US (62/084,550) 2014-11-25
[30] US (62/167,842) 2015-05-28

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[51] **Int.Cl. G05D 1/02 (2020.01) B60W 30/095 (2012.01) B60W 60/00 (2020.01) B66F 9/075 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2017-08-25
[41] 2018-03-01
[62] 3,035,087
[30] US (62/380,038) 2016-08-26

[21] **3,187,713**
[13] A1
[25] EN
[54] **METHOD FOR IDENTIFICATION AND RELATIVE QUANTIFICATION OF NUCLEIC ACID SEQUENCE EXPRESSION, SPLICE VARIANT, TRANSLOCATION, COPY NUMBER, OR METHYLATION CHANGES USING COMBINED NUCLEASE, LIGATION, AND POLYMERASE REACTIONS WITH CARRYOVER PREVENTION**
[54] **PROCEDE POUR L'IDENTIFICATION ET LA DETERMINATION QUANTITATIVE RELATIVE DE L'EXPRESSION DE SEQUENCES D'ACIDE NUCLEIQUE, VARIANT D'EPISSAGE, TRANSLOCATION, NOMBRE DE COPIES OU MODI FICATIONS DE METHYLATION A L'AIDE DE NUCLEASES COMBINEES, LIGATURE, ET REACTIONS PAR POLYMERASE AVEC PREVENTION DE L'ENTRAINEMENT**
[72] BARANY, FRANCIS, US
[72] EFCAVITCH, JOHN WILLIAM, US
[72] RUIZ RUEDA, CRISTIAN, US
[72] HUANG, JIANMIN, US
[72] FEINBERG, PHILLIP B., US
[71] COMELL UNIVERSITY, US
[22] 2015-10-08
[41] 2016-04-14
[62] 2,963,687
[30] US (62/061,376) 2014-10-08
[30] US (62/103,894) 2015-01-15

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[13] A1
[51] **Int.Cl. G06Q 10/30 (2023.01) G06Q 50/10 (2012.01) G07F 7/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RECYCLING MOBILE PHONES**
[54] **APPAREIL ET PROCEDE PERMETTANT LE RECYCLAGE DE TELEPHONES MOBILES**
[72] BOWLES, MARK, US
[72] LIBRIZZI, MICHAEL, US
[72] VAN ROOYEN, PETER, US
[72] DUBEN, AHRON, US
[71] ECOATM, LLC, US
[22] 2011-03-13
[41] 2011-09-22
[62] 3,039,716
[30] US (12/727624) 2010-03-19
[30] US (12/785465) 2010-05-23

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[13] A1
[51] **Int.Cl. G06Q 10/30 (2023.01) G06Q 30/0283 (2023.01) G06Q 30/0241 (2023.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RECYCLING MOBILE PHONES**
[54] **APPAREIL ET PROCEDE PERMETTANT LE RECYCLAGE DE TELEPHONES MOBILES**
[72] BOWLES, MARK, US
[72] LIBRIZZI, MICHAEL, US
[72] VAN ROOYEN, PIETER, US
[72] DUBEN, AHRON, US
[71] ECOATM, LLC, US
[22] 2011-03-13
[41] 2011-09-22
[62] 3,039,716
[30] US (12/727624) 2010-03-19
[30] US (12/785465) 2010-05-23

[21] **3,187,726**
[13] A1
[25] EN
[54] **SMART BAG USED IN SENSING PHYSIOLOGICAL AND/OR PHYSICAL PARAMETERS OF BAGS CONTAINING BIOLOGICAL SUBSTANCE**
[54] **SAC INTELLIGENT SERVANT A LA DETECTION DE PARAMETRES PHYSIOLOGIQUES ET/OU PHYSIQUES DE SACS CONTENANT UNE SUBSTANCE BIOLOGIQUE**
[72] SHAVIT, MENACHEM, US
[71] FREMON SCIENTIFIC, INC., US
[22] 2015-08-10
[41] 2016-02-11
[62] 2,957,526
[30] US (62/035,128) 2014-08-08
[30] US (62/035,152) 2014-08-08
[30] US (62/035,162) 2014-08-08

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[13] A1
[25] EN
[54] **SYSTEM FOR RELATIVE POSITIONING OF ACCESS POINTS IN A REAL TIME LOCATING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT RELATIF DE POINTS D?ACCES DANS UN SYSTEME DE LOCALISATION EN TEMPS REEL**
[72] JOHNSON, ERNEST K. JR., US
[72] DAVISSON, MARK J., US
[72] LOWENBERG, COLIN, US
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[22] 2010-07-30
[41] 2011-02-17
[62] 3,035,676
[30] US (61/234,134) 2009-08-14
[30] US (12/634,110) 2009-12-09

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[13] A1
[25] EN
[54] **SINGLE BOLT SHAFT CLAMP**
[54] **ARBRE DE PINCE A BOULON UNIQUE**
[72] GLOVER, JIM, US
[71] KARSTEN MANUFACTURING CORPORATION, US
[22] 2016-09-30
[41] 2017-04-06
[62] 3,076,374
[30] US (62/236,770) 2015-10-02

[21] **3,187,779**
[13] A1
[51] **Int.Cl. B66F 9/075 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2017-08-25
[41] 2018-03-01
[62] 3,035,087
[30] US (62/380,038) 2016-08-26

[21] **3,187,789**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) B60W 30/095 (2012.01) B60W 60/00 (2020.01) B66F 9/075 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE PATH VALIDATION AND DYNAMIC PATH MODIFICATION**
[54] **VALIDATION DE TRAJET ET MODIFICATION DE TRAJET DYNAMIQUE DE VEHICULE DE MANUTENTION DE MATERIAUX**
[72] THODE, JUSTIN F., NZ
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2017-08-25
[41] 2018-03-01
[62] 3,035,116
[30] US (62/380,060) 2016-08-26
[30] US (62/380,089) 2016-08-26

[21] **3,187,819**
[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) B60W 30/095 (2012.01) B60W 60/00 (2020.01) B66F 9/075 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE OBSTACLE SCANNING TOOLS**
[54] **OUTILS DE BALAYAGE D'OBSTACLES DE VEHICULE DE MANIPULATION DE MATERIAUX**
[72] MAI, YUAN, NZ
[72] STEWART, ALAN, NZ
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2017-08-25
[41] 2018-03-01
[62] 3,035,087
[30] US (62/380,038) 2016-08-26

[21] **3,187,848**
[13] A1
[51] **Int.Cl. C08L 91/06 (2006.01) A61C 19/06 (2006.01) C08L 23/00 (2006.01) C08L 67/00 (2006.01) C08L 75/04 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **WAX-BASED COMPOSITIONS, ARTICLES MADE THEREFROM, AND METHODS OF MANUFACTURE AND USE**
[54] **COMPOSITIONS A BASE DE CIRE, ARTICLES FABRIQUES A PARTIR DE CELLES-CI, ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] JOHNSON, STEVEN B., US
[72] MARGETTS, DAVID LAWRENCE, US
[72] HOBSON, BARRY LEE, US
[72] SCOVILLE, JONATHAN D., US
[72] JESSOP, NEIL T., US
[72] ALFRED, PETER M., US
[72] FISCHER, DAN E., US
[71] ULTRADENT PRODUCTS, INC., US
[22] 2014-03-07
[41] 2014-09-12
[62] 2,904,592
[30] US (61/775,453) 2013-03-08
[30] US (61/799,532) 2013-03-15

[21] **3,187,853**
[13] A1
[25] EN
[54] **MASONRY BOX POSITIONING SUPPORT**
[54] **SUPPORT DE POSITIONNEMENT POUR BOITE A MACONNERIE**
[72] KORCZ, KRZYSZTOF W., US
[72] JOHNSON, STEVEN J., US
[71] HUBBELL INCORPORATED, US
[22] 2015-03-05
[41] 2015-09-11
[62] 2,884,036
[30] US (14/204,491) 2014-03-11

[21] **3,187,856**
[13] A1
[25] EN
[54] **LOCI ASSOCIATED WITH CHARCOAL ROT DROUGHT COMPLEX TOLERANCE IN SOYBEAN**
[54] **LOCI ASSOCIES A LA RESISTANCE AU COMPLEXE DE LA POURRITURE CHARBONNEUSE LIEE A LA SECHERESSE CHEZ LE SOJA**
[72] HYTEN, DAVID L., JR., US
[72] KALVIG, ANDREA BETH, US
[72] KUHLMAN, LESLIE CHARLES, US
[72] KYLE, DONALD, US
[72] LIU, JEAN, US
[72] SHENDELMAN, JOSHUA MICHAEL, US
[72] THOMPSON, JEFFREY A., US
[72] WOODWARD, JOHN BRYAN, US
[72] YANG, MING, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2015-10-14
[41] 2017-02-09
[62] 2,986,894
[30] US (PCT/US2015/043179) 2015-07-31
[30] US (14/815,236) 2015-07-31

[21] **3,187,864**
[13] A1
[25] EN
[54] **GATHERING SUBJECT INFORMATION IN CLOSE PROXIMITY TO A USER**
[54] **COLLECTE D'INFORMATIONS RELATIVES A UN SUJET A PROXIMITE D'UN UTILISATEUR**
[72] EATON, BRADLEY ALAN, US
[72] BIGGERS, DAVID PYRON, JR., US
[72] MOORE, DUSTIN PAUL, US
[71] B2 EQUITY HOLDINGS, INC., US
[22] 2014-11-04
[41] 2015-05-14
[62] 2,929,789
[30] US (61/901,274) 2013-11-07

[21] **3,187,885**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR TRACKING AND ARCHIVING MOBILE COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE DE SUIVI ET D'ARCHIVAGE DE COMMUNICATIONS MOBILES**
[72] MOSHIR, KEVIN K., US
[72] MOSHIR, SEAN, US
[72] ARMSTRONG, JAY M., US
[72] PANICKO, BRIAN STANLEY, US
[71] CELLTRUST CORPORATION, US
[22] 2016-06-06
[41] 2016-12-08
[62] 2,987,667
[30] US (62/171,890) 2015-06-05
[30] US (14/890,192) 2015-11-10

[21] **3,187,910**
[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/12 (2006.01)**
[25] EN
[54] **HELMET**
[54] **CASQUE**
[72] DUROCHER, JACQUES, CA
[72] MARTIN, HUGO, CA
[72] GENEREUX, MARIE-CLAUDE, CA
[72] DESROCHERS, CHARLES-ANTOINE, CA
[71] BAUER HOCKEY LTD., CA
[22] 2018-11-21
[41] 2019-05-31
[62] 3,082,850
[30] US (62/589,263) 2017-11-21
[30] US (62/697,135) 2018-07-12

[21] **3,187,926**
[13] A1
[25] EN
[54] **METHODS FOR REGULATING NITROGEN METABOLISM DURING THE PRODUCTION OF ETHANOL FROM CORN BY METABOLICALLY ENGINEERED YEAST STRAINS**
[54] **PROCEDES DE REGULATION DU METABOLISME AZOTE POUR LA PRODUCTION D'ETHANOL A PARTIR DE MAIS PAR DES SOUCHES DE LEVURE MODIFIEES DE FACON METABOLIQUE**
[72] ARGYROS, AARON, US
[72] BARRETT, TRISHA, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU
[22] 2014-03-13
[41] 2014-09-25
[62] 2,905,133
[30] US (61/800,323) 2013-03-15

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[21] **3,187,927**
[13] A1
[51] **Int.Cl. A61B 17/3205 (2006.01) A61B 1/015 (2006.01) A61B 1/018 (2006.01) A61B 1/303 (2006.01) A61B 17/42 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE AND METHODS**
[54] **DISPOSITIF MEDICAL ET METHODES ASSOCIEES**
[72] GERMAIN, AARON, US
[72] TRUCKAI, CSABA, US
[71] MINERVA SURGICAL, INC., US
[22] 2013-01-22
[41] 2013-07-25
[62] 3,099,409
[30] US (61/589,168) 2012-01-20
[30] US (61/635,803) 2012-04-19
[30] US (61/659,312) 2012-06-13

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[21] **3,187,932**
[13] A1
[51] **Int.Cl. A01G 23/06 (2006.01) B02C 18/18 (2006.01) B27G 13/10 (2006.01)**
[25] EN
[54] **CUTTER MOUNTING SYSTEMS AND CUTTERS FOR THE SAME**
[54] **SYSTEMES DE MONTAGE D'OUTIL DE COUPE ET OUTILS DE COUPE CORRESPONDANT**
[72] DAINING, STEPHEN, US
[72] DISSELKOEN, MATTHEW RYAN, US
[72] VERZILLI, CLAUDIO CARRAFIELLO, US
[72] BREJA, JOSEPH EDWARD, US
[72] NOSSAMAN, JOSHUA DEAN, US
[71] VERMEER MANUFACTURING COMPANY, US
[22] 2019-02-07
[41] 2019-08-15
[62] 3,089,984
[30] US (62/627,377) 2018-02-07
[30] US (62/661,476) 2018-04-23

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[21] **3,187,947**
[13] A1
[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **SAFETY NEEDLE DEVICE**
[54]
[72] SMITH, PETER, US
[72] SANDERS, LAURIE, US
[72] BROWKA, EDWARD P., US
[72] MARICI, PAUL, US
[72] NICHOLS, ELI B., US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2017-12-12
[41] 2018-06-21
[62] 3,046,933
[30] US (62/433,350) 2016-12-13
[30] US (15/837,011) 2017-12-11

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[21] **3,187,950**
[13] A1
[25] FR
[54] **COMPOSITIONS BASED ON MAPLE SAP, VEGETABLE JUICE OR FRUIT JUICE, AND PROCESS FOR MANUFACTURING SAME**
[54] **COMPOSITIONS A BASE DE SEVE D'ERABLE, DE JUS DE LEGUMES OU DE FRUITS ET LEURS PROCEDES DE FABRICATION**
[72] DUFOUR, CLAUDE, CA
[72] FADI, ALI, CA
[71] LES TECHNOLOGIES CLDUFOUR INC., CA
[22] 2019-07-05
[41] 2020-01-09
[62] 3,098,409
[30] CA (3,010,832) 2018-07-06
[30] CA (3,019,455) 2018-10-01

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[21] **3,187,951**
[13] A1
[25] EN
[54] **CONDUIT HUB ADAPTER FOR ELECTRICAL BOX**
[54] **ADAPTATEUR DE MOYEU DE CONDUIT POUR UN BOITIER ELECTRIQUE**
[72] HAGEN, BRIAN, US
[72] GLASGOW, SHAWN, US
[72] MCCARTHY, WILLIAM E., US
[72] HAESEMEIER, JUSTIN, US
[71] MILBANK MANUFACTURING CO., US
[22] 2020-10-16
[41] 2021-04-18
[62] 3,096,613
[30] US (16/656936) 2019-10-18

[21] **3,187,952**
[13] A1
[51] **Int.Cl. F02C 7/232 (2006.01) E21B 41/00 (2006.01) E21B 43/26 (2006.01) F02C 6/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS UTILIZING TURBINE COMPRESSOR DISCHARGE FOR HYDROSTATIC MANIFOLD PURGE**
[54] **SYSTEMES ET PROCEDES UTILISANT LE REFOULEMENT DU COMPRESSEUR POUR TURBINE POUR LA PURGE DU COLLECTEUR HYDROSTATIQUE**
[72] YEUNG, TONY, US
[72] RODRIGUEZ-RAMON, RICARDO, US
[72] FOSTER, JOSEPH, US
[71] BJ ENERGY SOLUTIONS, LLC, US
[22] 2021-04-06
[41] 2021-11-14
[62] 3,114,161
[30] US (62/704,539) 2020-05-14
[30] US (15/929,770) 2020-05-21
[30] US (17/132,066) 2020-12-23

[21] **3,187,958**
[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01) A01C 3/04 (2006.01)**
[25] EN
[54] **AN AUTONOMOUS SELF-PROPELLED MANURE REMOVAL VEHICLE**
[54] **VEHICULE AUTOMOTEUR ET AUTONOME D'ENLEVEMENT DE FUMIER**
[72] VAN DEN BEUKEL, HUIBRECHT JOHANNES ARJEN, NL
[72] MUNNEKE, HARROLD JAN, NL
[71] LELY PATENT N.V., NL
[22] 2015-04-21
[41] 2015-11-12
[62] 2,946,522
[30] NL (2012785) 2014-05-08

[21] **3,187,975**
[13] A1
[51] **Int.Cl. A42B 3/20 (2006.01) A41D 13/015 (2006.01) A42B 3/06 (2006.01) A42B 3/18 (2006.01) A63B 71/10 (2006.01)**
[25] EN
[54] **MASK**
[54] **MASQUE**
[72] KLEIN, JASON, US
[72] ENGEL, AARON, US
[71] F3 TECH, LLC, US
[22] 2014-05-01
[41] 2014-11-06
[62] 2,910,671
[30] US (13/874,808) 2013-05-01

[21] **3,187,985**
[13] A1
[51] **Int.Cl. C04B 41/87 (2006.01) F01D 5/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF DEPOSITION OF THICK ENVIRONMENTAL BARRIER COATINGS ON CMC BLADE TIPS**
[54] **COMPOSITIONS ET METHODES DE DEPOT DE REVETEMENTS DE PROTECTION ENVIRONNEMENTALE EPAIS SUR LES POINTES DE LAME CMC**
[72] KIRBY, GLEN HAROLD, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2016-03-17
[41] 2016-09-26
[62] 2,924,194
[30] US (14/669,485) 2015-03-26

[21] **3,187,989**
[13] A1
[25] EN
[54] **TECHNICIAN CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DES ORDRES DE TRAVAIL DE TECHNICIENS**
[72] MITCHELL, CLARENCE, US
[72] MATHUR, ANKUR, US
[72] EASTON, RICHARD, US
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[22] 2010-06-08
[41] 2010-12-09
[62] 3,059,918
[30] US (12/481,046) 2009-06-09
[30] US (12/490,730) 2009-06-24

[21] **3,187,993**
[13] A1
[51] **Int.Cl. C09K 3/16 (2006.01) C08J 7/044 (2020.01) C08J 3/02 (2006.01) C08J 3/20 (2006.01) C08K 5/42 (2006.01) C08L 25/18 (2006.01) C08L 65/00 (2006.01) C08L 75/04 (2006.01) C08L 79/02 (2006.01)**
[25] EN
[54] **ELECTROSTATIC DISSIPATIVE COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS DISSIPATIVES ELECTROSTATIQUES ET METHODES ASSOCIEES**
[72] CALLAHAN, REBECCA A., US
[72] KINLEN, PATRICK J., US
[72] BRUTON, ERIC A., US
[71] THE BOEING COMPANY, US
[22] 2017-06-15
[41] 2018-02-28
[62] 2,970,698
[30] US (15/252029) 2016-08-30

[21] **3,188,015**
[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR MITIGATING MUSCULOSKELETAL STRESSES FROM HEAD-RELATED MOMENTS EXERTED ON A PERSON**
[54] **SYSTEME POUR ATTENUER DES CONTRAINTES MUSCULOSQUELETTIQUES, PROVENANT DE MOMENTS ASSOCIES A LA TETE, EXERCEES SUR UNE PERSONNE**
[72] HETZLER, MARKUS, CA
[72] FISCHER, STEVEN, CA
[72] STEVENSON, JOAN, CA
[72] REID, SUSAN, CA
[71] THUMBPRINT SOLUTIONS INC., CA
[22] 2015-09-10
[41] 2016-03-17
[62] 2,960,415
[30] US (62/048,650) 2014-09-10

[21] **3,188,023**
[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/31 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **SYRINGE-IV ACCESS LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE D'ACCES DE SERINGUE IV**
[72] WITT, ERIK K., US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2014-03-06
[41] 2014-09-12
[62] 3,106,723
[30] US (61/774,673) 2013-03-08
[30] US (14/198,802) 2014-03-06

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[21] **3,188,079**
[13] A1
[25] EN
[54] **DEVICES, METHODS AND SYSTEMS FOR WIRELESS CONTROL OF MEDICAL DEVICES**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE COMMANDE SANS FIL DE DISPOSITIFS MEDICAUX**
[72] KAMEN, DEAN, US
[72] LANIER, GREGORY R., JR., US
[72] RIVINIUS, GREGG W., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2014-02-05
[41] 2014-08-14
[62] 2,900,205
[30] US (61/760,988) 2013-02-05
[30] US (61/842,687) 2013-07-03

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[21] **3,188,654**
[13] A1
[25] EN
[54] **METHODS AND PRODUCTS FOR TRANSFECTING CELLS**
[54] **PROCEDES ET PRODUITS POUR LA TRANSFECTION DE CELLULES**
[72] ANGEL, MATTHEW, US
[72] ROHDE, CHRISTOPHER, US
[71] FACTOR BIOSCIENCE INC., US
[22] 2012-12-05
[41] 2013-06-13
[62] 2,858,148
[30] US (61/566,948) 2011-12-05
[30] US (61/569,595) 2011-12-12
[30] US (61/637,570) 2012-04-24
[30] US (13/465,490) 2012-05-07
[30] US (61/664,494) 2012-06-26

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[21] **3,188,666**
[13] A1
[25] EN
[54] **METHODS FOR AUTOMATIC FILLING, CHARGING AND DISPENSING CARBON DIOXIDE SNOW BLOCK**
[54] **PROCEDES DE REMPLISSAGE, DE CHARGEMENT ET DE DISTRIBUTION AUTOMATIQUES D'UN BLOC DE NEIGE CARBONIQUE**
[72] ZHOU, YING, US
[72] BURSAC, RANKO, US
[72] SEVER, ROBERT, US
[71] PRAXAIR TECHNOLOGY, INC., US
[22] 2018-12-18
[41] 2019-06-27
[62] 3,085,222
[30] US (62/599,949) 2017-12-18
[30] US (16/221,906) 2018-12-17

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ADS THERAPEUTICS LLC 3,180,429
ADURO BIOTECH HOLDINGS, EUROPE B.V. 3,179,812
AEGLEA BIOTHERAPEUTICS, INC. 3,180,781
AEROCLEAN TECHNOLOGIES, LLC 3,179,859
AGILENT TECHNOLOGIES, INC. 3,188,627
AHLSTROM, CHRISTINE 3,188,345
AHMED, IMRAN 3,188,312
AHMED, MAHIUDDIN 3,180,445
AI, YANRAN 3,188,639
AIR DIFFUSION AGENCIES PTY LTD 3,180,551
AIRCRAFT GEAR CORPORATION 3,179,787
AIT BOUZIAD, YOUCEF 3,179,933
AIT, BOUZIAD YOUCEF 3,180,129
AITKEN INNOVATIONS INCORPORATED 3,179,964
AITKEN, KIM ELIZABETH 3,179,964
AJELLAL, NOUREDDINE 3,188,338
AKER SOLUTIONS AS 3,179,600
AL JADDA, KHALIFEH 3,179,979
AL MASRI, MOUNIR 3,180,079
AL MASRI, MOUNIR 3,180,084
ALABBASI, ABDULRAHMAN 3,179,632
ALAJ, RINOL 3,179,619
ALAYAMANI, ARUN PRASAD 3,180,418
ALBA RUBIO, CLAUDIO 3,179,833
ALBANI, DAVIDE 3,180,582
ALBRECHT, INKA 3,180,369
ALCON INC. 3,180,001
ALCON INC. 3,180,399
ALDELO, LP 3,188,447
ALEMAN, CLAUDE 3,179,910
ALESSANDRINI, ALBERTO 3,188,781
ALESSANDRINI, MARCO 3,179,599
ALEXANDER, ELIZABETH 3,180,477
ALFARO, JESUS 3,180,726
ALI, ABDULLAH MAHMOOD 3,180,738
ALIAHMAD, PARINAZ 3,188,801
ALIEN KINETICS TECHNOLOGIES INC. 3,179,660
ALKAHEST, INC. 3,180,401
ALLEN INSTITUTE 3,180,017
ALLEN, KEITH 3,188,481
ALLER, JARED 3,188,655
ALLOY ENTERPRISES, INC. 3,180,739
ALMA LASERS LTD. 3,188,760
ALMANSA-ROSALES, CARMEN 3,180,058
ALMAS, GEIR HERMOD 3,188,917
ALMELAND, INGE BERTIN 3,179,600
ALO AB 3,188,626
ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED 3,180,786
ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED 3,180,787
ALTMEPPEN, SONJA 3,188,589
ALVARADO, FERNANDO 3,188,578
ALVES DE OLIVEIRA, LUIS MIGUEL 3,178,981
AMARAL, JUAN 3,180,561
AMERICAN UNIVERSITY OF BEIRUT 3,179,961
AMICOAT AS 3,180,437
AMICOAT AS 3,180,562
AMIRI, SHIVA 3,179,983
AMMER, HERMANN 3,188,763
AMO PHARMA LTD 3,179,814
AMPLICONYX OY 3,180,360
AMSTED RAIL COMPANY, INC. 3,188,816
AMUNIX PHARMACEUTICALS, INC. 3,180,251
ANDERSON, DAVID 3,179,585
ANDERSON, GEORGE 3,179,585
ANDERSON, WILLIAM ALEXANDER 3,180,049
ANDERSSON, MARIA 3,179,829
ANDREWS, SUSAN 3,179,839
ANDROULAKI, ELLI 3,180,249
ANGELAUD, REMY 3,188,350
ANGLIN, CAROLYN RUTH 3,180,098
ANHEUSER-BUSCH INBEV S.A. 3,180,822
ANTION BIOSCIENCES SA 3,179,599
ANTON, STEPHEN 3,188,512
ANTONUCCI, MARTA 3,180,609
AOKI, YASUSHI 3,180,649
APPY RISK TECHNOLOGIES LIMITED 3,180,735
APR APPLIED PHARMA RESEARCH SA 3,180,560
AQTUAL, INC. 3,179,853
ARAMON BAJESTANI, MALIHEH 3,179,781
ARASAPPAN, ASHOK 3,180,372
ARBEL, ELAD 3,188,627
ARCHER, NICOLAS 3,179,839
ARIALYS THERAPEUTICS, INC. 3,180,470
ARIES, PEER-MALTE 3,180,369
ARJO IP HOLDING AKTIEBOLAG 3,188,331
ARJO IP HOLDING AKTIEBOLAG 3,188,332
ARKEMA FRANCE 3,180,033
ARKEMA FRANCE 3,180,419
ARMSTRONG, WILLIAM D. 3,188,841
ARORA, NIDHI 3,179,637
ARRICK, GRAHAM 3,188,904
ARROYO RODRIGUEZ, REBECA 3,179,833
ARSLAN, SINAN 3,178,970
ARTALE, RYAN 3,188,827
ARUL, SAMUEL J. 3,180,435

ARVIDSSON, EMMA 3,180,893
ARXADA AG 3,180,496
ARXADA AG 3,180,498
ASAKA RIKEN CO., LTD. 3,180,852
ASANA BIO GROUP LTD. 3,179,949
ASFALTO LIQUIDO TECNOLOGIA EXTREMA ALTEX SOCIEDAD ANONIMA 3,180,292
ASGHARZADEH, SHAHAB 3,188,656
ASHENHURST, JAMES ROWAN 3,179,983
ASHTON, JUSTIN B. 3,180,266
ASKAR, SHADID 3,180,272
ASKAR, SHADID 3,180,432
ASKARI KARCHEGANI, MAZIYAR 3,180,220
ASML NETHERLANDS B.V. 3,180,234
ASMUS, ELISABETH 3,188,782
ASTRAZENECA AB 3,188,345
ASTRAZENECA UK LIMITED 3,188,938
ASTVATSATUROV, YURI 3,180,745
ATASOYLU, ONUR 3,188,639
ATKINS, ROBIN 3,188,511
ATRICON AB 3,180,271
ATTARIWALA, RAJPAUL 3,188,562
ATTUNE NEUROSCIENCES, INC. 3,180,300
ATXA THERAPEUTICS LIMITED 3,188,796
AUDETTE, JOSEPH 3,188,741
AUGER, CHARLES 3,180,876
AUNE, TAYLOR 3,188,599
AUYEUNG, EVELYN 3,180,432
AVERY, CRAIG ALEX 3,188,752
AVERY, CRAIG ALEX 3,188,756
AVIRAM, SHAI 3,180,274
AVM BIOTECHNOLOGY, LLC 3,180,424
AVOX SYSTEMS INC. 3,180,697
AWE TECHNOLOGIES LLC 3,188,633
AXENSTRAND, MAGDALENA 3,179,829
AZZI, JAMIL 3,180,572
AZZI, JOACHIM 3,180,539
BA, YUYONG 3,179,593
BAADSGAARD, OLE 3,180,690
BABUTZKA, SABRINA 3,188,763
BACETE CANO, LAURA 3,188,935
BACKMAN, JON 3,188,331
BACKMAN, JON ANDREAS 3,188,332
BACON, RAYMOND JOHN 3,180,520
BAE, SUNG MIN 3,179,603
BAE, SUNG MIN 3,179,649
BAGGOTT, MATTHEW 3,179,785
BAHMER, FRANK 3,188,933
BAI, DONGDONG 3,180,615
BAI, YU 3,188,639
BAILEY, BRAD C. 3,180,279
BAILEY, ROBERT S. 3,180,612
BAILEY, THOMAS R. 3,179,814
BAILLIE, RHETT A. 3,180,273
BAILLIE, RHETT A. 3,180,275
BAILLIE, RHETT A. 3,180,279
BAILLIE, RHETT A. 3,180,280
BAILLIE, RHETT A. 3,180,282
BAILLIE, RHETT A. 3,180,283
BAILLIE, RHETT A. 3,180,287
BAILLIE, RHETT A. 3,180,366
BAILLIE, RHETT A. 3,180,371
BAILLIE, RHETT A. 3,180,373
BAJARIA, VIRAL 3,188,352
BAKALO, OREN BEN ZION 3,188,784
BAKER DOCKREY, SUMMER A. 3,188,649
BAKER HUGHES OILFIELD OPERATIONS LLC 3,180,441
BAKER HUGHES OILFIELD OPERATIONS LLC 3,180,585
BAKER HUGHES OILFIELD OPERATIONS LLC 3,180,593
BAKER, CHARLES 3,180,253
BAKER, DAVID 3,180,541
BAKER, RICHARD ALEXANDER 3,188,916
BAKKER, JAN HENDRIK LUCAS 3,180,040
BALAKRISHNAN, KARTHIK 3,180,838
BALL CORPORATION 3,180,296
BALLARD, JOHN R. 3,155,351
BALLOK, ALICIA 3,180,044
BANERJEE, SANTANU 3,179,784
BANISH, MICHELE 3,178,962
BANISH, RICHARD 3,178,962
BANKER, RONNY 3,179,576
BANKS AND ACQUIRERS INTERNATIONAL HOLDING 3,188,504
BAO, XINNING 3,188,582
BAOSHAN IRON & STEEL CO., LTD 3,180,467
BAOSHAN IRON & STEEL CO., LTD 3,180,469
BARANOV, SERGEY 3,180,253
BARBAT, ROMAIN 3,179,815
BARBAT, ROMAIN 3,179,821
BARBHAIYA, HARSH 3,179,772
BARBOSA, JOSEPH 3,188,639
BARCHAN, NIKOLINA 3,179,829
BARENSKI, PETER JR. 3,180,728
BARKAN, EDWARD 3,180,745
BARRETT, MATTHEW 3,188,752
BARRETT, MATTHEW 3,188,756
BARRETT, TIM 3,188,922
BARSTOW, CRAIG RODMAN 3,179,846
BARTELMESS, LOTHAR 3,180,032
BARTELS, FRANK 3,179,639
BARTHELEMY, SANDRINE 3,180,225
BASF SE 3,180,385
BASF SE 3,188,324
BASF SE 3,188,589
BASF SE 3,188,592
BASF SE 3,188,598
BASF SE 3,188,780
BASHTH, OMAR SALEM AHMED 3,188,925
BASSO, ALESSANDRA 3,180,591
BASTIOLI, CATIA 3,188,800
BATCHELDER, SAM 3,155,351
BATRA, HITESH 3,180,230
BAUM, ALINA 3,179,819
BAURLE, STEFAN 3,188,308
BAURLE, STEFAN 3,188,311
BAXTER HEALTHCARE SA 3,188,764
BAXTER HEALTHCARE SA 3,188,807
BAXTER INTERNATIONAL INC. 3,188,764
BAXTER INTERNATIONAL INC. 3,188,807
BAYER AKTIENGESELLSCHAFT 3,188,273
BAYER AKTIENGESELLSCHAFT 3,188,308
BAYER AKTIENGESELLSCHAFT 3,188,311
BAYER AKTIENGESELLSCHAFT 3,188,751
BAYER AKTIENGESELLSCHAFT 3,188,782
BEAUMONT, KIMBERLEY 3,180,348
BECKER MARINE SYSTEMS GMBH 3,180,413
BECKER, STEPHAN 3,180,556
BECTON, DICKINSON AND COMPANY 3,179,838
BECTON, DICKINSON AND COMPANY 3,180,112
BECTON, DICKINSON AND COMPANY 3,180,206
BECTON, DICKINSON AND COMPANY 3,180,228
BECTON, DICKINSON AND COMPANY 3,180,241
BECTON, DICKINSON AND COMPANY 3,180,795
BECTON, DICKINSON AND COMPANY 3,180,796
BECTON, DICKINSON AND COMPANY 3,180,880
BEERS, COURTNEY 3,180,883
BEG, CHRISTOPHER 3,173,376
BEGUIN, STEVE 3,180,112
BEHABTU, NATNAEL 3,180,753
BEHRENDT, MARKUS 3,180,194
BEIERLING, THORSTEN 3,180,385
BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD. 3,180,759
BEIRNE, JAMES P. 3,180,712
BELFORD, ANDREA 3,180,420
BELL, IAN M. 3,180,372
BELLEROPHON THERAPEUTICS 3,180,709
BELLMAN, CHRISTINA 3,188,827
BELLO PORTMANN, GABRIEL 3,188,442
BELMONT, DAN 3,188,286
BELOZERTSEV, ALEXANDER 3,188,760
BEN-DOR, AMIR 3,188,627
BENATUIL, LORENZO 3,188,739
BENGTSSON, ANDREAS 3,188,578
BENJAMIN MOORE & CO. 3,188,774
BENJAMIN, MADONNA 3,179,602
BENJAMIN, MADONNA 3,179,609

BENLLOCH BAVIERA, JOSE MARIA 3,188,768
BENNAMANN SERVICES LTD 3,188,916
BENNETT, ERIC BRICE 3,179,638
BENNETT, GAVIN 3,180,095
BENNETT, JONATHAN JAMES 3,188,902
BENOIT, DAVID 3,178,967
BENSON, RYAN 3,188,770
BENTLEY, JEFFREY MARK 3,180,023
BENTON, PATRICIA R. 3,179,816
BERDNER, JOHN SCOTT 3,180,601
BERG, MAX 3,179,621
BERGNER, BENJAMIN JOHANNES HERBERT 3,180,385
BERKES, EVA A. 3,180,737
BERNDT, ERICH 3,180,561
BERNES, ROMAIN-FABRICE 3,180,404
BERRY GLOBAL, INC. 3,188,813
BERTHIER, EDDY 3,180,446
BESCOND, PHILIPPE 3,188,788
BESHEER, AHMED 3,180,446
BETHUNE, SARAH 3,188,286
BEXON, ALICE SUSANNAH 3,180,559
BHALERAO, HEMANT HANUMANT 3,180,534
BHANDARI, ASHOK 3,188,410
BHARGAVA, APOORV 3,188,838
BHARTI, KAPIL 3,180,561
BHASKAR, KARTHIK 3,180,795
BHATTACHARYA, DEEP 3,188,808
BHATTACHARYYA, ARUN KUMAR 3,188,902
BHATTI, SAJID 3,180,786
BHATTI, SAJID 3,180,787
BHAVARAJU, NARESH 3,188,761
BICYCLETX LIMITED 3,180,095
BIEL, MARTIN 3,188,763
BIK THERAPEUTICS INC. 3,180,590
BILLY, EMMANUEL 3,180,225
BIN SEDIQ, AKRAM 3,180,034
BINDER, JAN OLIVER 3,188,598
BIO MEDICAL DEVICE AS 3,180,410
BIO-BOND LLC 3,188,644
BIOLINQ INCORPORATED 3,188,761
BIOMAGNETIC SOLUTIONS LLC 3,180,451
BIOSEARCH, S.A. 3,179,833
BIOSYN ARZNEIMITTEL GMBH 3,180,255
BIOTHINK TECHNOLOGIES, S.L. 3,179,606
BIOVITE AUSTRALIA PTY LTD. 3,180,598
BIRBAUMER, TOSCA 3,178,957
BISWAS, SAUMIK 3,188,744
BITDEFENDER IPR MANAGEMENT LTD 3,180,722
BITTER, MARCUS 3,180,439
BITTON, DANIEL 3,180,757
BIXBY, JACQUELINE 3,188,739
BJARNSHOLT, THOMAS 3,188,917
BJERKNES, OLE JOHAN 3,179,600
BJORGUM, ASTRID 3,180,414
BLACKBERRY LIMITED 3,180,040
BLACKSTONE TECHNOLOGY HOLDING AG 3,180,378
BLAIR, JOHN 3,180,256
BLAKEMORE, STEPHEN 3,180,095
BLAKKAN, CORDELL T. 3,179,983
BLANC, JEROME 3,180,033
BLANC, JEROME 3,180,419
BLANK, THOMAS 3,188,481
BLECK, GREGORY T. 3,180,217
BLECK, GREGORY T. 3,180,705
BLINDSPACE AB 3,180,201
BLOCK, DAVID S. 3,179,834
BLOUNT, KENNETH F. 3,179,613
BLUDAU, OLIVER 3,179,588
BLUEINGREEN LLC 3,180,449
BML PRODUCTIONS, INC. 3,180,891
BMV OPTICAL TECHNOLOGIES INC. 3,180,252
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,180,554
BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM 3,188,659
BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY 3,179,602
BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY 3,179,609
BOCKATECH LTD 3,179,744
BOCKATECH LTD 3,180,046
BOCKING, CHRIS 3,179,744
BOCKING, CHRIS 3,180,046
BOEHM, FREDERICK T. 3,180,737
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,188,340
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 3,188,382
BOESGAARD, MARTIN STAAL 3,188,334
BOLBOCEANU, MADALINA 3,180,722
BOLLENBACH-WAHL, BIRGIT 3,188,782
BOMAN, DANIEL 3,180,869
BOMER, BRADLEY K. 3,180,418
BOND, TIMOTHY 3,179,650
BONDARENKO, ALEXEY VLADIMIROVICH 3,180,585
BONINO, CLAUDIO 3,179,996
BONINO, GIOVANNI 3,179,996
BONNEAU, DAVID 3,180,301
BOOCK, JARED 3,188,562
BOPPANA, ADITHYA CHOWDARY 3,179,611
BORDALLO LEON, FERNANDO 3,180,605
BORDUAS, JONATHAN 3,180,345
BOREALIS AG 3,180,070
BOREALIS AG 3,188,338
BOREALIS AG 3,188,493
BOROOMAND, SAEED 3,180,053
BOROT, FLORENCE 3,180,738
BORREGO RIVERO, MARIA BELEN 3,181,218
BORSOI, FABIO 3,180,725
BORTOLIN, LAURA TERESA 3,188,377
BOSCH TUBERT, MARIA FATIMA 3,179,874
BOSCH-SANCHEZ, CARLOS J. 3,188,765
BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED 3,188,620
BOTREE CYCLING SCI & TECH CO., LTD. 3,179,893
BOUCKE, EDDY ALBERIC 3,179,634
BOULANGER, MARIEVE 3,188,925
BOULDER BIOSCIENCE LLC 3,179,635
BOULOUSSA, OTHMAN 3,180,905
BOUREZG, ZOUAOUI 3,188,764
BOUREZG, ZOUAOUI 3,188,807
BOURNE, GREGORY THOMAS 3,188,410
BOUTAUD, OLIVIER 3,180,792
BOUVIER, LUDIVINE 3,180,419
BOWEN, GREGORY 3,188,084
BOWMAN, JACOB 3,180,211
BOXUM, CORNELIS 3,180,015
BOYLES, JEFFREY SCOTT 3,180,004
BRADLEY, RYAN 3,188,288
BRADSHAW, THOMAS WILLIAM 3,188,916
BRANDT, TIM 3,180,422
BRANNVALL, ELISABET 3,188,578
BRAS, JULIEN 3,180,865
BRASSINNE, JEREMY FREDERIC SYLVAIN 3,188,804
BRAUN, RALF 3,188,782
BRAVADO HOLDING AG 3,180,718
BREAKFIELD, NATALIE 3,180,681
BREGUET, OLIVIER 3,180,511
BREITH, DAVID 3,180,462
BRENNAN, MARK JOSEPH 3,188,804
BRENNER-LAVIE, HANIT 3,188,760
BRENZEL, MICHAEL P. 3,155,351
BRESNER, CHRISTOPHER 3,180,591
BRETT, CHRISTOPHER RICHARD JAMES 3,188,336
BRICKNER, CHAD TIMOTHY 3,180,418
BRIDEWELL, VICTORIA 3,180,663
BRIDEWELL, VICTORIA 3,180,671
BRIGHTCOVE INC. 3,179,846
BRIGNONE, VINCENZO MARCO 3,188,668
BRISTOL-MYERS SQUIBB TGF BETA INC. 3,180,574
BRITVA, ALEXANDER 3,188,760
BRONDYK, WILLIAM 3,188,448
BROSSARD, GABRIEL 3,188,764
BROWN, MICHAEL 3,179,823
BROWN, WILLIAM DALBY 3,188,786
BRUECHER, TOBIAS 3,180,395
BRUETSCH, TOBIAS 3,188,350
BRUN TORRES, ALEJANDRO 3,181,218
BRUNNER, FREDERIC 3,188,935
BRUNO, DANTE LAMAR 3,179,985
BRUUN, PER KRISTIAN 3,179,600
BU, FANG 3,180,834
BUCKLEY, NEIL 3,188,286
BUGTEN, BJARNE 3,180,414

BUNKER, KEVIN DUANE 3,188,737
BURCEANU, ELENA 3,180,722
BURGESS, BRENDAN 3,179,774
BURGESS, BRENDAN 3,179,776
BURGESS, BRENDAN JOHN 3,179,770
BURKE, MAURICE 3,179,964
BURKHARD, JOHANNES 3,188,350
BURKHARDT, HARALD 3,180,369
BURKI, CAROLINA 3,180,707
BURMASTER, DOUGLAS 3,180,539
BURNS, DAVID M. 3,188,639
BURTON, AMANDA 3,180,028
BURTON, JONATHAN 3,188,771
BURYAK, ANDREY 3,188,493
BUSCEMI, PHILIP M. 3,179,939
BUZARD, DANIEL JOHN 3,179,637
BWXT ADVANCED TECHNOLOGIES, LLC 3,180,297
BYD COMPANY LIMITED 3,180,347
BYD COMPANY LIMITED 3,180,352
BYD COMPANY LIMITED 3,180,363
BYD COMPANY LIMITED 3,180,368
BYD COMPANY LIMITED 3,180,374
BYD COMPANY LIMITED 3,180,379
BYERS, CHARLES CALVIN 3,179,624
BYRNE, PATRICK 3,180,554
BYTEDANCE INC. 3,179,644
C.R. BARD, INC. 3,180,887
CABANE, VINCENT 3,180,172
CABLE, HUGO 3,188,354
CABOT, PETER 3,188,556
CACCHIONE, STEFANO 3,180,376
CAFFITALY SYSTEM S.P.A. 3,179,570
CAFFITALY SYSTEM S.P.A. 3,179,608
CAFFITALY SYSTEM S.P.A. 3,179,626
CAFFITALY SYSTEM S.P.A. 3,179,769
CALIGIURI, GIUSEPPINA 3,180,609
CAMARENA FEMENIA, FRANCISCO 3,188,768
CAMBRIDGE MOBILE TELEMATICS INC. 3,188,769
CAMBRIDGE MOBILE TELEMATICS INC. 3,188,906
CAMELIO, ANDREW M. 3,180,273
CAMELIO, ANDREW M. 3,180,275
CAMELIO, ANDREW M. 3,180,279
CAMELIO, ANDREW M. 3,180,280
CAMELIO, ANDREW M. 3,180,282
CAMPBELL, ALAN 3,188,761
CAMPBELL, AUSTIN 3,179,852
CAMPBELL, CARLY 3,180,095
CAMPELLONE, TIMOTHY 3,179,823
CAMPIN, JOHN ALFRED 3,180,001
CAMUS, LIEVIN 3,188,943
CAN TECHNOLOGIES, INC. 3,180,380
CANADIAN BANK NOTE COMPANY, LIMITED 3,180,346
CANNABIX TECHNOLOGIES INC. 3,188,562
CANO, RAUL DE JESUS 3,180,438
CAO, PEI-JIE 3,179,661
CAO, YUDONG 3,180,749
CAPDEVIELLE, MARC 3,180,074
CAPITAL ONE SERVICES, LLC 3,188,658
CAPTIVE-AIRE SYSTEMS, INC. 3,179,573
CAPUZZI, LUIGI 3,188,800
CARADEC, GILLES 3,180,051
CARDIOVASCULAR LAB S.P.A 3,180,609
CARDON, OLIVIER 3,180,767
CAREFUSION 303, INC. 3,179,770
CAREFUSION 303, INC. 3,179,774
CAREFUSION 303, INC. 3,179,776
CAREFUSION 303, INC. 3,179,779
CARGILL, INCORPORATED 3,180,384
CARGILL, INCORPORATED 3,180,391
CARGILL, INCORPORATED 3,180,395
CARITHERS, KRISTI LYNN 3,188,274
CARLINI, SEAN M. 3,179,787
CARLINS, ZACHARY 3,180,358
CARLSON, LOGAN 3,180,728
CARLSTEN, CURTIS B. 3,180,247
CARMENA, JOSE M. 3,180,532
CARMODY, DAN 3,188,352
CARNIOL, APRIL 3,180,256
CARPEZA, JEAN-MARC 3,188,943
CARRAGETA PINTADO, GONCALO NUNO 3,178,981
CARRE, ANTOINE 3,180,032
CARRETTA, GINA 3,180,425
CARRIEDO, FERNANDO 3,188,513
CARTER, DAVID SCOTT 3,179,993
CARTER, MARY TERESA 3,180,472
CASE WESTERN RESERVE UNIVERSITY 3,180,452
CASH, JAMES 3,179,944
CASIRARO, MATT 3,180,887
CASTEILLA, LOUIS 3,180,265
CASTELLI, CRISTIANO 3,179,570
CASTELLI, CRISTIANO 3,179,608
CASTELLI, CRISTIANO 3,179,626
CASTELLI, CRISTIANO 3,179,769
CASTELO DE ASSIS TEIXEIRA NEIVA CORREIA, MARIA JOANA 3,179,830
CASTRO NAVARRO, IRMA 3,179,833
CASTRO SOARES JUNQUEIRA, FERNANDO MANUEL 3,179,917
CATALENT PHARMA SOLUTIONS, LLC 3,180,217
CATALENT PHARMA SOLUTIONS, LLC 3,180,705
CATERPILLAR GLOBAL MINING HMS GMBH 3,180,439
CATERPILLAR INC. 3,180,377
CATERPILLAR INC. 3,180,418
CATERPILLAR INC. 3,180,435
CATERPILLAR INC. 3,180,444
CAVELIER, BRICE 3,180,074
CCM TECHNOLOGIES LIMITED 3,188,605
CCM TECHNOLOGIES LIMITED 3,188,609
CEBERE, BOGDAN 3,180,722
CEDARS-SINAI MEDICAL CENTER 3,180,628
CEDARS-SINAI MEDICAL CENTER 3,180,632
CENTER FOR QUANTITATIVE CYTOMETRY 3,180,904
CENTRE FOR EYE RESEARCH AUSTRALIA LIMITED 3,188,785
CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE NANCY 3,185,106
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,180,265
CENTRO DE INMUNOLOGIA MOLECULAR 3,180,605
CEPEDA, ANDRES MONROY 3,180,598
CERMAK, CRAIG JOSEPH 3,180,026
CERRAHOGLU, CAGRI 3,180,595
CERVI, CORRADO 3,188,560
CEVA SANTE ANIMALE 3,180,074
CGN WIND POWER CO. LTD 3,188,315
CHAKRABARTI, SUBRATA 3,188,744
CHAMBERLIN, JOHN 3,179,840
CHAMOROVSKIY, YURIY 3,180,360
CHAN, CARRIE Y. 3,188,758
CHAN, CHARLES K.F. 3,180,018
CHAN, ERIC 3,188,489
CHAN, KYLE W.H. 3,180,229
CHAN, YOU-PING 3,180,746
CHANDRAN, SAJEEV 3,180,534
CHANG, BEN Y. 3,180,577
CHANG, HOWARD Y. 3,180,224
CHANG, KENNETH CHIH-PING 3,188,586
CHANG, RICHARD L. 3,180,577
CHANG, ZHAOHUA 3,180,710
CHARDOT, JULIA 3,180,865
CHASE, LUCAS 3,180,561
CHASE, THOMAS 3,188,592
CHASSE, ANDREA 3,180,554
CHATEAU, MATHIEU 3,180,054
CHATTORAJ, SAYANTAN 3,180,509
CHAUHAN, VIBHA 3,180,251
CHE, JIANWEI 3,180,846
CHEATHAM, LYLE 3,180,739
CHEMTOR, LP 3,180,459
CHEMTREAT, INC. 3,179,784
CHEN, CHANG HUNG 3,188,596
CHEN, CHRISTIANNE 3,180,422
CHEN, CHUN-KAN 3,180,224
CHEN, EVAN 3,179,779
CHEN, KAIXIAN 3,180,886
CHEN, KEVIN 3,180,750
CHEN, MINGWEN 3,180,352
CHEN, MINJIE 3,188,311
CHEN, NING 3,180,269
CHEN, PING-CHOU 3,180,409
CHEN, QIAN 3,180,362
CHEN, QIAN 3,180,790
CHEN, QIUYAN 3,180,451
CHEN, SHALI 3,188,744
CHEN, SHIJIE 3,180,886
CHEN, SHUHUI 3,179,593
CHEN, WEI 3,179,993

CHEN, WENHUI 3,180,379
CHEN, XINJUN 3,180,768
CHEN, YANTAO 3,180,886
CHEN, YI-WEN 3,180,386
CHENG, JOY JIE 3,188,493
CHENG, SENPING 3,188,745
CHERRETTE, ALAN 3,188,902
CHEUNG, NAI-KONG V. 3,180,445
CHEUNG, WENG-KIT 3,180,772
CHEVALIER, BRETT 3,188,448
CHEVALLEY, MARIANNA 3,179,815
CHEVALLEY, MARIANNA 3,179,821
CHEVRON ORONITE COMPANY LLC 3,188,758
CHEVRON U.S.A. INC. 3,188,758
CHIANG, FLORENCE YI YI LING 3,180,031
CHIGOT, PIERRE 3,180,867
CHIGOT, PIERRE 3,180,893
CHILDREN'S HOSPITAL LOS ANGELES 3,188,656
CHILDREN'S NATIONAL MEDICAL CENTER 3,180,386
CHIN, ALBERT K. 3,179,661
CHINA PETROLEUM & CHEMICAL CORPORATION 3,188,582
CHINNASWAMY, ROHITH 3,180,012
CHINOOK THERAPEUTICS, INC. 3,179,812
CHIOUA, MONCEF 3,180,616
CHO, GU BOK 3,188,572
CHOI, JI YOUNG 3,180,590
CHONG KUN DANG PHARMACEUTICAL CORP. 3,180,468
CHOU, CHIA-WEI 3,180,554
CHOW, MOSES 3,179,630
CHOW, SHERYL L. 3,179,630
CHOW, SIU FAI 3,179,772
CHRISTIAN, PAUL DOMINIC 3,179,977
CHRISTIAN, PAUL DOMINIC 3,180,011
CHROMOLOGICS APS 3,179,628
CHU DE NICE 3,180,265
CHU, LING HON MATTHEW 3,180,883
CHUNG, CHRISTOPHER WAI YIN 3,180,004
CINI, GUILLAUME 3,185,106
CIPO 3,179,005
CIPO 3,179,636
CIPO 3,179,830
CIPO 3,179,856
CIPO 3,180,131
CIPO 3,180,378
CIPO 3,180,725
CIPO 3,180,848
CISLO, KENDRA 3,180,422
CITAK, ANDRZEJ 3,180,783
CLARKE, PETER REGINALD 3,179,744
CLARKE, PETER REGINALD 3,180,046
CLAY, JOSEPH 3,180,479
CLEMMONS, MARK 3,179,650
CLERIO VISION, INC. 3,188,767
CLEVELAND, CODY 3,188,904
CLEVERTIVITY LLC 3,179,651
CLIMATE LLC 3,188,599
CLIMATE LLC 3,188,650
CLIMEWORKS AG 3,180,582
CLINTON, CHARLES M. 3,188,297
CO12 GMBH 3,180,403
COBAUGH, CHRISTIAN 3,178,965
COBURN, CRAIG ALAN 3,179,637
COCHRANE, EDWARD JAMES 3,188,752
COCHRANE, EDWARD JAMES 3,188,756
COCK, TERRIE-ANNE 3,180,348
COCKERILL, GEORGE STUART 3,188,752
COCKERILL, GEORGE STUART 3,188,756
COFFEY, PATRICK 3,180,558
COFFEY, PATRICK 3,180,588
COFFIN, AARON 3,179,627
COGNITIVE SYSTEMS CORP. 3,173,376
COHEN, GOOR 3,180,274
COHEN, YARIV 3,180,869
COIL HOLDING GMBH 3,189,007
COLBY, DAVID 3,180,716
COLS, MARIA VILORIA 3,179,829
COLSON ROLLEN GMBH 3,180,761
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 3,180,225
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,179,815
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,179,821
COMPARAT, SOLENE 3,180,054
COMPOSECURE, LLC 3,180,457
CONN, IAN PAUL 3,180,526
CONN, IAN PAUL 3,180,544
CONNOLLY, LYNN E. 3,180,477
CONOCOPHILLIPS COMPANY 3,180,882
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC) 3,181,218
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC) 3,188,768
CONSILIENT, INC. 3,188,642
CONSTELLATION PHARMACEUTICALS, INC. 3,179,627
CONSTELLIUM MUSCLE SHOALS LLC 3,180,404
CONSTELLIUM NEUF-BRISACH 3,180,404
CONTINO, JOSEPH 3,180,697
COOK, DAVID A. 3,180,380
COPELAND, CAMERON GENTRY 3,179,816
COPENHAGEN ATOMICS APS 3,189,008
COPERET, PHILIPPE 3,188,943
CORFLOW THERAPEUTICS AG 3,179,588
CORN PRODUCTS DEVELOPMENT INC. 3,180,420
CORN PRODUCTS DEVELOPMENT INC. 3,180,430
CORNEN, ALAIN 3,180,172
CORNING RESEARCH & DEVELOPMENT CORPORATION 3,180,464
CORRAL, LAURA GRACIANA 3,180,229
COSMED PHARMACEUTICAL CO., LTD. 3,180,057
COSMED PHARMACEUTICAL CO., LTD. 3,180,442
COSMOGAS S.R.L. 3,188,781
COSTANTINE, JOSEPH 3,179,961
COSTI, RENATO 3,180,780
COTTI COMETTINI, MARCO 3,188,800
COUSIN, JEAN-DANIEL 3,188,789
COUTHOUIS, AURELIE 3,188,764
COUTHOUIS, AURELIE 3,188,807
COUVILLON, ANTHONY DAVID 3,188,377
COWART, GLORIA J. 3,180,232
COX, JASON M. 3,180,372
COYLE, SEAN JAMES 3,188,512
CRANDAL, DAVID 3,178,962
CRC-EVANS PIPELINE INTERNATIONAL, INC. 3,179,650
CREASEY, DAVID H. 3,188,376
CREDO SCIENCE, LLC 3,180,607
CRISPR THERAPEUTICS AG 3,178,965
CRNKOVICH, MARTIN J. 3,188,633
CRODA INTERNATIONAL PLC 3,179,829
CROTTY, BRIAN ANDREW 3,180,382
CROWE, CLINTON L. 3,180,882
CROWN EQUIPMENT CORPORATION 3,180,889
CROWN EQUIPMENT CORPORATION 3,188,514
CROY, SCOTT RYAN 3,180,509
CRUZ RODRIGUEZ, MABEL 3,180,605
CUI, XIQUAN 3,179,979
CULVER, SEAN 3,188,598
CURASEN THERAPEUTICS, INC. 3,179,993
CURIEL, DAVID 3,180,064
CURRO, DOMENICO 3,179,772
CURTIN, MAURICE 3,180,112
CWIK, TOMASZ 3,188,592
CZARNY, ANDRZEJ 3,188,336
D'AGOSTINO, ROBERT 3,155,351
D'IPPOLITO, ANTHONY 3,180,314
DAI, XING 3,179,791
DAIGE, CHRISTOPHER 3,180,781
DAIGLE, TANYA 3,180,017
DALAL, NIKITA 3,188,748
DALBOGE, HENRIK 3,179,628
DALUM BEVERAGE EQUIPMENT APS 3,184,694
DALUM, KIM CHRISTIAN 3,184,694
DALY, KERRY G. 3,179,842
DAMPTECH A/S 3,180,086
DANA-FARBER CANCER INSTITUTE, INC. 3,180,846

DANDREAUX, GARY 3,188,774
DANI, CHRISTIAN JEAN LUCIEN 3,180,265
DANI, VINCENT 3,180,265
DANIELS, JUDITH M. 3,180,438
DARNELL, ROBERT B. 3,180,092
DARNELL, ROBERT B. 3,180,476
DARVEAU, PATRICK 3,180,052
DASHEVSKIY, YULIY ALEKSANDROVICH 3,180,585
DAVE, JAY JYOTINDRA 3,179,770
DAVIES, MARK ROBERT 3,180,526
DAVIES, MARK ROBERT 3,180,544
DAVIES, SEAN S. 3,180,792
DAVIES, SHIREEN A. 3,180,621
DAVIS, BARRY 3,188,379
DAVIS, HEATHER LYNN 3,188,801
DAVIS, SCOTT 3,180,459
DAVOL INC. 3,188,483
DAWSON, JAY W. 3,179,574
DAY, KRISTINA MAREE 3,180,496
DBOUK, HAYTHAM MOUNJI 3,188,660
DE CARO, ANGELO 3,180,249
DE CESARE, KYMRON 3,188,481
DE COCK, EDUARD 3,179,812
DE KONING, MATHIAS WILHELMUS 3,179,634
DE MIGUEL, LAURA 3,180,045
DE MUNNIK, RAYMOND 3,188,777
DE OLIVEIRA, JEAN E. 3,180,391
DE SOUSA FARIA TISCHER, PAULA CRISTINA 3,179,643
DEBOGY MOLECULAR, INC. 3,180,905
DEBORDE, GERMAIN 3,180,051
DECKWERTH, THOMAS L. 3,188,776
DECLERK, ALLEN J. 3,180,418
DEDA, ERIN 3,180,404
DEFOER, JOHAN 3,188,338
DEFOSSA, ELISABETH 3,180,871
DEHART, JASON L. 3,188,801
DEIHM, ROGER 3,180,849
DEISHER, THERESA 3,180,424
DEKHTYAR, TATYANA 3,188,739
DEKKER, MARTIN 3,180,709
DEKKERS, ROB 3,180,756
DEKOCKER, WIM 3,180,822
DEL HIERRO GARCIA, IRENE 3,188,935
DELBECK, MARTINA 3,188,751
DELGADO BARROETA, ROMHER GERARDO 3,180,292
DELGADO, CARLOS J. 3,180,414
DELGADO, CARLOS J. 3,180,415
DELORBE, JOHNATHAN E. 3,180,273
DELORBE, JOHNATHAN E. 3,180,275
DELORBE, JOHNATHAN E. 3,180,279
DELORBE, JOHNATHAN E. 3,180,280
DELORBE, JOHNATHAN E. 3,180,282
DELSITECH OY 3,188,773
DEMANGE, RAYNALD 3,188,333
DENG, DONGJUN 3,180,347
DENG, FEIHUANG 3,188,745
DENIS, JEAN-FRANCOIS 3,180,574
DEPHY, INC. 3,181,203
DEPHY, INC. 3,181,223
DEPHY, INC. 3,181,261
DERAKHSHAN HOREH, MAHMOUD 3,188,312
DERIVE, MARC 3,180,293
DESHMUKH, ASHLESHA 3,188,591
DESHMUKH, KRANTI 3,188,808
DEVIREDDY, UMASRI 3,180,418
DHADWAR, SUKHDEEP SINGH 3,179,816
DHALIWAL, JAGTAR S. 3,180,408
DHONGADE, NIKHIL 3,179,850
DHONGADE, NIKHIL 3,179,851
DHONGADE, NIKHIL 3,179,852
DHONGADE, NIKHIL 3,179,854
DHONGADE, NIKHIL 3,179,855
DHONGADE, NIKHIL 3,179,856
DHONGADE, NIKHIL 3,179,858
DIAMOND, MICHAEL 3,180,064
DIAS CASALEIRO, NUNO FILIPE 3,178,981
DIAS, ANDREW 3,180,561
DIAZ, KRISTA 3,188,286
DIAZ-FERNANDEZ, JOSE-LUIS 3,180,058
DIBOINE, JEREMIE 3,179,581
DIELS, GASTON STANISLAS MARCELLA 3,180,387
DIRECT OFFER, INC. 3,188,771
DISPELIX OY 3,179,938
DISPENSER TECHNOLOGIES LIMITED 3,180,520
DISPENSING TECHNOLOGIES B.V. 3,179,722
DISPENSING TECHNOLOGIES B.V. 3,180,389
DITTGEN, JAN 3,188,782
DIVINE, ROBERT 3,180,541
DIX, MARCEL 3,180,616
DMITRIEV, IGOR 3,180,064
DO, HIEN Q. 3,180,273
DO, HIEN Q. 3,180,275
DO, HIEN Q. 3,180,279
DO, HIEN Q. 3,180,280
DO, HIEN Q. 3,180,282
DO, WOO MI 3,180,295
DOELDER, CORNELIS F. J. DEN 3,180,432
DOGLIO, ALAIN PIERRE LOUIS 3,180,265
DOLBY LABORATORIES LICENSING CORPORATION 3,188,511
DOLMAYAN, JOHN HOVIG 3,188,840
DONEY, GEORGE 3,180,131
DONEY, GEORGE 3,180,144
DONG, FENG 3,188,739
DONG, JOO YOUNG 3,179,603
DONG, SHENGLI 3,187,033
DONG, WENXIN 3,180,620
DONG, ZHAOXU 3,180,444
DONLON, STEPHEN JOHN 3,188,920
DOROGIN, JONATHAN 3,180,428
DOS SANTOS SILVA, BRUNO 3,180,874
DOUTY, BRENT 3,188,639
DOW GLOBAL TECHNOLOGIES LLC 3,180,273
DOW GLOBAL TECHNOLOGIES LLC 3,180,275
DOW GLOBAL TECHNOLOGIES LLC 3,180,279
DOW GLOBAL TECHNOLOGIES LLC 3,180,280
DOW GLOBAL TECHNOLOGIES LLC 3,180,282
DOW GLOBAL TECHNOLOGIES LLC 3,180,283
DOW GLOBAL TECHNOLOGIES LLC 3,180,287
DOW GLOBAL TECHNOLOGIES LLC 3,180,366
DOW GLOBAL TECHNOLOGIES LLC 3,180,371
DOW GLOBAL TECHNOLOGIES LLC 3,180,373
DOW GLOBAL TECHNOLOGIES LLC 3,180,432
DOW, JULIAN A. T. 3,180,621
DOWNAR, MAREK 3,180,021
DOWNEY, PATRICK MARK 3,188,748
DRACHENBERG, DERREK R. 3,179,574
DRAGAN, ZENON 3,179,660
DRAGOVICH, PETER SCOTT 3,188,649
DRAKE, KERRY A. 3,179,738
DREAME INNOVATION TECHNOLOGY (SUZHOU) CO., LTD. 3,180,008
DREW, ALLISON E. 3,180,069
DROGE, ALICIA 3,180,277
DRZYMALA, MARK 3,180,745
DU, QUN 3,188,938
DU, RUOFEI 3,180,774
DU, TZONG 3,179,784
DU, XIULIANG 3,136,557
DUBAI ALUMINIUM PJSC 3,179,811
DUBEY, SACHIN 3,180,138
DUHOUX, VINCENT 3,180,404
DUKE UNIVERSITY 3,184,738
DUKE UNIVERSITY 3,188,591
DULOS, JOHN 3,179,812
DUPERRAY, PHILIPPE JEAN MARIE 3,180,822
DUPONT, CAROLINE 3,188,764
DUPONT, CAROLINE 3,188,807
DUR, GERD 3,188,928
DURR SYSTEMS AG 3,180,021
DURR SYSTEMS, INC. 3,179,944
DUTHEUIL, GUILLAUME 3,180,417
DUVAL, JEAN-FRANCOIS 3,181,203
DUVAL, JEAN-FRANCOIS 3,181,223
DUVAL, JEAN-FRANCOIS 3,181,261
DUVAL, LANDON 3,179,654
DUVAL, LANDON 3,180,474
DVERIN, ALEXANDER 3,188,760
DYESS, ADAM 3,188,288
DYMOCK, BRIAN WILLIAM 3,180,348
DZIOBA, RANDY 3,179,848
DZITSIUK, YEVHENIIA 3,179,772
EASYMINING SWEDEN AB 3,180,869

EATON, BARBARA, L. 3,188,657
ECHEVERRIA LUNA, YERANDY 3,180,605
ECOLAB USA INC. 3,179,977
ECOLAB USA INC. 3,180,011
EDER, JOSEF 3,189,007
EDGAR, ALBERT DURR 3,188,443
EDWARDS, JASON 3,180,441
EFFECTOR THERAPEUTICS, INC. 3,188,446
EFNER, JOHN D. 3,180,296
EGGER, HOLGER 3,188,273
EICHINGER, LINDSEY WOOD 3,180,069
EID, ASSAAD 3,179,961
EISAI R&D MANAGEMENT CO., LTD. 3,183,862
EKMAN, JAAKKO 3,180,278
ELATA, ALEXANDRA 3,188,280
ELATA, ALEXANDRA 3,188,282
ELATA, ALEXANDRA 3,188,283
ELATA, ALEXANDRA 3,188,404
ELATA, ALEXANDRA 3,188,408
ELECTRIC POWER RESEARCH INSTITUTE, INC. 3,179,724
ELECTRIC POWER SYSTEMS, INC. 3,180,211
ELEMENT BIOSCIENCES, INC. 3,178,970
ELI LILLY AND COMPANY 3,180,472
ELIAS PUIGDOMENECH, IVET 3,179,874
ELICA S.P.A 3,188,613
ELKEM SILICONES USA CORP. 3,180,028
ELKHODIRY ABOELEELA MOHAMED, MOHAMED ALY 3,188,925
ELLILA, SIMO 3,180,039
ELLISON, MATTHEW DAVID 3,180,382
ELZINGA, GERARD DOUWE 3,180,719
EMERGEX VACCINES HOLDING LIMITED 3,180,589
ENDOH, HIROSHI 3,180,771
ENDRIGO, DAVID 3,188,641
ENERPARK CO.,LTD 3,188,572
ENG LARSSON, FREDRIK 3,180,885
ENGBLOM, JOHAN 3,179,796
ENGLAND, KRISTINA MAREE 3,180,498
ENKO, FREDERICK A. 3,180,728
ENPHASE ENERGY, INC. 3,180,601
ENZA BIOTECH AB 3,179,829
EPICS THERAPEUTICS 3,180,417
EPIROC ROCK DRILLS AKTIEBOLAG 3,179,796
EPIZYME, INC. 3,180,069
EPSILON ADVANCED MATERIALS PVT LTD 3,179,604
ERCIG, BOGAC 3,179,894
ERDMAN, PAUL E. 3,180,229
EREM, BURAK 3,188,769
ERGOTRON, INC. 3,180,748
ERGUN, ROJA 3,180,425
ERIKSSON, MIKAEL 3,180,479
ERNST, JUSTIN T. 3,188,446
ERNST, ULRICH 3,180,378
ERSDAL, SVEIN 3,179,600
ESAU, JOHN 3,180,457
ESCALANTE, PEDRO 3,180,054
ESCAROZ CETINA, ARTURO 3,180,054
ESMAEILI, NIMA 3,188,804
ESPINA, PETER G. 3,188,633
ESPOSITO, ERCOLE 3,179,570
ESPOSITO, ERCOLE 3,179,608
ESPOSITO, ERCOLE 3,179,626
ESPOSITO, ERCOLE 3,179,769
ESSER, MARK 3,188,938
ESTEVE FARMACEUTICALS, S.A. 3,180,058
ETABLISSEMENT FRANCAIS DU SANG 3,180,265
ETH ZURICH 3,178,957
EVANCHA, BETINA 3,180,720
EVANS, JASON W. 3,180,473
EVANS, JOHN M 3,180,404
EVANS, WILLIAM 3,180,091
EVE ENERGY CO., LTD. 3,180,834
EVE HYPERPOWER BATTERIES INC. 3,180,834
EVELO BIOSCIENCES, INC. 3,180,044
EVIDENT SCIENTIFIC, INC. 3,188,814
EXCEED (CANADA) OILFIELD EQUIPMENT INC. 3,181,767
EXO BIOLOGICS SA 3,188,738
EXO BIOLOGICS SA 3,188,759
EXOSOME DIAGNOSTICS, INC. 3,180,572
EXPRESS SCRIPTS STRATEGIC DEVELOPMENT, INC. 3,179,611
EXPRO AMERICAS, LLC 3,179,842
EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY 3,180,811
EZAGOURI, SAAR 3,188,591
EZRA, RAFAEL 3,188,619
F. HOFFMANN-LA ROCHE AG 3,179,621
F. HOFFMANN-LA ROCHE AG 3,188,350
F. HOFFMANN-LA ROCHE AG 3,188,603
FABIAO APARICIO, ALEXANDRE JOSE 3,178,981
FAHEY, JOSEPH 3,179,728
FAHEY, JOSEPH 3,180,050
FALESCH, ALEX 3,179,624
FALK, OWEN 3,179,778
FALLAS, JORGE 3,180,541
FAN, GUANGYU 3,180,870
FAN, HOUXING 3,180,664
FAN, MENGYANG 3,180,846
FAN, WEI LI 3,180,091
FAN, ZHONGYAO 3,188,315
FARBSTEIN, AVI 3,188,760
FASCHING, RAINER 3,180,301
FATHI, MARCUS 3,180,414
FAVIER, VALENTIN 3,185,106
FEENEY, LAURA 3,180,712
FEIST, EUGEN 3,180,369
FELDMAN, DARIA 3,188,319
FELLOW HEALTH INC. 3,179,778
FEMDX MEDSYSTEMS, INC. 3,179,661
FENG, BIAO 3,188,744
FENG, BINQIANG 3,180,615
FENG, HAIWEI 3,180,623
FENG, HAO 3,188,639
FENG, YAN 3,188,258
FERNANDEZ ALVAREZ, LEONIDES 3,179,833
FERNANDEZ REPOLLET, EMMA 3,180,904
FERNANDEZ-COLLADO, JOAN-CARLES 3,180,058
FERNANDEZ-DONIS, ARIADNA 3,180,058
FERRARI, VICTOR 3,180,707
FERREIRA, GLENN 3,180,822
FERRING B.V. 3,179,613
FERRUM PACKAGING AG 3,188,750
FF-FUTURE OY 3,180,039
FIBERLEAN TECHNOLOGIES LIMITED 3,188,593
FIDIA FARMACEUTICI S.P.A. 3,178,964
FIEGLEIN, HENRY 3,180,012
FILIPPAL, STEFAN 3,180,263
FILIPPOV, VALERY 3,180,360
FINA TECHNOLOGY, INC. 3,180,539
FINCH, PETER 3,180,735
FINCK, AARON 3,180,256
FINE, JAY 3,188,382
FINIS, DAVID 3,188,311
FINKELSTEIN, ILYA 3,180,554
FINOMORE, VICTOR 3,180,257
FIREBRICK PHARMA LIMITED 3,180,198
FIRECO S.R.L. A SOCIO UNICO 3,188,560
FIREXO COTM LIMITED 3,180,462
FIRMENICH INCORPORATED 3,188,905
FIRPO, MERI TERESA 3,179,816
FIRST WEST GMBH 3,180,068
FISHER, BRYAN 3,188,305
FKG DENTAIRE SARL 3,180,511
FLAGSHIP PIONEERING INNOVATIONS V, INC. 3,188,810
FLAMENT, MAEL 3,188,442
FLAMENT, MAEL 3,188,901
FLECK, CHRISTOPHER 3,188,516
FLECK, ELYSE 3,180,080
FLIGHTSAFETY INTERNATIONAL INC. 3,188,379
FLUX MARINE LTD. 3,180,573
FOCHT, HEATHER LYNN 3,188,274
FODSTAD, JASON 3,180,604
FOGGO, STEVEN JOHN 3,180,496
FONDAZIONE GIOVANNI CELEGHIN - ONLUS 3,180,078
FONTAINE, PHILIP P. 3,180,273
FONTAINE, PHILIP P. 3,180,275
FONTAINE, PHILIP P. 3,180,279
FONTAINE, PHILIP P. 3,180,280
FONTAINE, PHILIP P. 3,180,282
FOOTE, JAMES WILLIAM 3,188,916
FORD, KERRI 3,180,041
FOREST MASTER LIMITED 3,180,288
FORSAL, INNAS 3,180,461

FORSBACK, ARI-PEKKA 3,188,773
FORSYTH, ALISON 3,180,739
FOSSHODE, JOHN ARNOLD 3,188,574
FOTI, GEORGE 3,180,790
FOX, PETER T. 3,180,031
FRACSUN INC. 3,188,305
FRAGIS, MEGHAN 3,180,052
FRAILE, VICTOR SACRISTAN 3,179,874
FRANCISCO-ANDERSON, LOISE 3,180,044
FRANCO GONZALEZ, EMILIO 3,179,606
FRANCOIS, MICHEL 3,180,867
FRANCONE, OMAR 3,180,219
FRANKS, MELANIE 3,179,683
FRANZIL, LAURENT 3,188,657
FRASER-PITT, DOUGLAS 3,179,950
FREDBORG, ANDREAS JO FALK 3,179,600
FREDERICK, BRIAN TROY 3,188,410
FRESENIUS MEDICAL CARE HOLDINGS, INC. 3,188,633
FREY, SABRINA 3,179,588
FRIEDMAN, LENNIE 3,180,358
FRISCHE, BIANCA 3,188,589
FRISCHER, IVAR 3,179,653
FRITTS, ROBERT JR. 3,179,572
FRITZ, MICHELLE 3,188,442
FROHLICH, BERNHARD 3,189,007
FROLIGHT BV 3,180,478
FRONT RANGE BIOSCIENCES, INC. 3,188,481
FUCHS, GREG 3,179,585
FUENTES-AFFLICK, PETER A. 3,188,758
FUEYO, JOSE MARIA 3,180,526
FUGATE, JOHN 3,188,513
FUJIFILM CELLULAR DYNAMICS, INC. 3,180,561
FUKUCHI, MINAKO 3,180,394
FULTON, BENJAMIN 3,179,819
FUNG, LEAH M. 3,180,229
FURMAN, CORY 3,179,660
FURUYA, DAISUKE 3,188,565
FURUYAMA, TAKESHI 3,180,771
GAJANANAN, KUGAMOORTHY 3,180,848
GAJARDO RODRIGUEZ, RODRIGO 3,180,876
GALHANO DOS SANTOS LOPES, RUI MIGUEL 3,179,830
GALHARDO, BRUNO 3,178,981
GALLET, PATRICE 3,185,106
GAMBRO LUNDIA AB 3,180,461
GAN, MING 3,180,440
GAN, MING 3,188,573
GANAPATHY, MANICAVASAGAM 3,180,795
GANESAN, MANOJ 3,179,983
GANESH, VANNAKAMBADI K. 3,180,574
GAO, BO 3,188,576
GAO, JUEYUAN 3,180,729
GAO, YANG 3,180,362
GARAUD, JEAN-JACQUES 3,180,293
GARCIA ARTALEJO, JUDEY AYMED 3,180,605
GARCIA, DAVID 3,188,303
GARCIA, KENAN CHRISTOPHER 3,180,304
GARCIA-LOPEZ, MONICA 3,180,058
GARDINIER, KATHARINE S. 3,180,612
GARIBALDI, GEORGE 3,180,793
GARIBALDI, GEORGE 3,180,794
GARRIDO-MARTINEZ, MARIA 3,180,058
GASSIAT, BRICE 3,180,138
GATZWEILER, ELMAR 3,188,782
GAUDETTE, JASON E. 3,180,247
GAUDINO, REGINALD 3,188,481
GAVLIK, RICHARD 3,179,738
GB005, INC. 3,179,637
GEBALD, CHRISTOPH 3,180,582
GECK, BERND 3,180,277
GEDDES, BRADLEY 3,179,724
GELBERG, EDWARD 3,188,906
GEN-PROBE INCORPORATED 3,188,657
GENENTECH, INC. 3,188,350
GENENTECH, INC. 3,188,649
GENERAL ELECTRIC TECHNOLOGY GMBH 3,188,793
GENEVA UNIVERSITY HOSPITALS 3,179,599
GENEVANT SCIENCES GMBH 3,188,661
GENG, LIBO 3,188,746
GENTON, JEROME 3,179,581
GEORGE, STEVE 3,180,434
GEORGIA-PACIFIC GYPSUM LLC 3,179,840
GERAUD, REMI 3,188,504
GEUMEZ, GILLES JEAN 3,188,804
GEURTSEN, RICHARD 3,188,774
GHALEI, BEHNAM 3,180,764
GHAZAL, AGHIAD 3,188,904
GHEBREMESKEL, GHEBREHIWET 3,180,583
GHEKIERE, PIETER 3,180,767
GHIGO, ALESSANDRA 3,180,075
GHORAYEB, KASSEM 3,188,660
GIANCOLA, NICK 3,188,808
GIANETTI, ALEXANDRE 3,179,815
GIANETTI, ALEXANDRE 3,179,821
GIANT OAK, INC. 3,188,642
GIBBONS, MARIE ELIZABETH 3,179,816
GILL, DOUGLAS 3,180,884
GILLEN, BRANT 3,180,001
GILLILAND, KEVIN 3,188,514
GILLIS, TIMOTHY F. 3,180,728
GILMORE, TREVOR 3,180,404
GIRAULT, GUILLAUME EMMANUEL 3,184,214
GJOSA SA 3,188,805
GKOUTI, ASIMINA 3,188,314
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 3,180,509
GLENN, STEVE 3,188,808
GLIKNIK INC. 3,179,834
GLINKA, MICHAEL 3,180,575
GLOCK TECHNOLOGY GMBH 3,188,342
GLOMBIK, HEINER 3,180,871
GLUP LLC 3,188,827
GLUSCHENKOV, OLEG 3,180,862
GOETZ, ADAM EDWARD 3,188,344
GOETZ, RICHARD 3,180,663
GOETZ, RICHARD 3,180,671
GOFLOW TECHNOLOGY IP B.V. 3,180,431
GOLDBERG, JON CODY 3,188,489
GOLDSMITH, JORY 3,180,554
GOLOVANOV, ALEXANDER 3,179,794
GOMES GRACA, NUNO ALEXANDRE 3,179,894
GONSKY, REBECCA 3,180,628
GONSKY, REBECCA 3,180,632
GONZALEZ MARTINEZ, DAVID ALEJANDRO 3,180,605
GONZALEZ PALOMO, ADYS 3,180,605
GONZALEZ RUIZ, GUSTAVO 3,180,605
GONZALEZ-GARCIA, JORDI 3,180,058
GOOD, JAMES 3,188,752
GOOD, JAMES 3,188,756
GOODALL, STEPHEN 3,180,198
GOODARZNIA, SHAHIN 3,188,177
GOODNER, DOUGLAS EVAN 3,180,004
GOODRICH, JANE 3,179,920
GOOGLE LLC 3,180,752
GOOGLE LLC 3,180,774
GOPARAJU, VENKATA RAMA RAO 3,180,254
GORDON, GRAEME FREDERICK 3,180,618
GORDON, PATRICK 3,188,597
GORMAN, PAUL 3,188,741
GORMLEY, JOSEPH EMIL 3,179,799
GOROSPE, KAYLE KATHLEEN MARIE 3,179,958
GOURMEL, OLIVIER 3,180,547
GOYAL, AMIT 3,180,266
GRANAT, LEIF 3,180,410
GRANT, DAVID SYMON 3,180,090
GRASS COSTA, IGNASI 3,179,874
GRAVETT, MATTHEW 3,188,620
GRAY, NATHANAEL S. 3,180,846
GRAYBUCK, LUCAS T. 3,180,017
GREASLEY, PETER 3,188,345
GREENE, TWEED TECHNOLOGIES, INC. 3,179,738
GREGORY, DAVID MICHAEL 3,180,455
GREGORY, DAVID MICHAEL 3,180,465
GRID20/20, INC. 3,180,408
GRIFFIN, ANDREW MARK 3,188,825
GRIFFIN, WILLIAM BRIAN 3,179,573
GRIFOLS WORLDWIDE OPERATIONS LIMITED 3,180,876
GRIGORAS, CRISTIAN 3,188,774
GROBARCZYK, BENJAMIN 3,188,657
GROENEWALD, ROELOF E. 3,180,266
GRONLUND, RASMUS 3,180,298
GROPPI, ROBERTO 3,188,668
GRUBA, NATALIA 3,180,888
GRUBBS, ALAN 3,188,446
GRULL, HENNING 3,180,556

GRUNDIG, MARTIN 3,180,001
GTINVENT LIMITED 3,188,937
GU, ZHAOHUI 3,188,312
GUAY, LISA M. 3,180,811
GUEST, GAIUS HENRY 3,180,201
GUIGLIONDA, GILLES 3,180,404
GUIMARAIS IGLESIAS, VICTORIA 3,188,601
GUNAWAN, THERESA L. 3,188,758
GUO, ELSIE 3,188,746
GUO, HAIFENG 3,180,362
GUO, JUNLING 3,180,060
GUO, KANGPING 3,188,566
GUO, LIANG 3,180,230
GUO, MINGMING 3,179,979
GUO, XIAODONG 3,188,804
GUO, YUCHEN 3,180,440
GUO, YUCHEN 3,188,573
GUPTA, RAMESH CHANDRA 3,188,126
GURA, VICTOR 3,180,740
GURBERG, BARRY 3,180,346
GUSENLEITNER, DANIEL 3,188,377
GUTTERMAN, DONNA 3,180,027
GUTTLER, INGO 3,180,403
GUYMON, DAVID 3,188,668
GWYNNE, DECLAN 3,188,904
H+H GMBH & CO. KG 3,188,933
HA, MONICA 3,179,856
HAASL, ANDREW 3,179,944
HABIS, NICOLE 3,180,718
HACKEMEYER, DENNIS 3,179,625
HACKEMEYER, DENNIS 3,179,629
HADEAN SUPERCOMPUTING LTD 3,188,597
HADJIDANIEL, MICHAEL 3,188,656
HADOUX, XAVIER 3,188,785
HAGEMANN, VOLKER 3,180,032
HAHN, MICHAEL 3,188,751
HAILER, FREDRIK 3,179,621
HAINAN SHINER INDUSTRIAL CO., LTD., HAIKOU(CN) 3,136,557
HAIRSTON, HOB 3,180,012
HALE, GEOFFREY 3,179,582
HALE, ROBERT G. 3,180,037
HALL, BENJAMIN PETER 3,180,520
HALL, CHAD A. 3,180,217
HALL, CHAD A. 3,180,705
HALLER, EMANUELA 3,180,722
HALLIBURTON ENERGY SERVICES, INC. 3,180,090
HAMIDISEPEHR, ALI 3,188,650
HAMILTON, SHANNON M. 3,179,983
HAMMERLE, STEFAN 3,188,928
HAMMOND, PETER 3,188,605
HAMMOND, PETER 3,188,609
HAMON, SARA 3,179,619
HAMRICK, TIFFANY 3,179,779
HANAUER, NICHOLAS ADAM 3,180,418
HANCOCK, VIKTORIA 3,180,461
HANCZOR, ROBERT 3,188,303
HANDSHAW, DARRAN MICHAEL 3,180,745
HANGEN, HARTMUT 3,179,640
HANGZHOU LEADING EDGE PHARMACEUTICAL LTD. 3,180,620
HANGZHOU LEADING EDGE PHARMACEUTICAL LTD. 3,180,886
HANLEY, JAMES PATRICK 3,180,029
HANMI PHARM. CO., LTD. 3,179,603
HANMI PHARM. CO., LTD. 3,179,649
HANMI PHARM. CO., LTD. 3,179,707
HANNA, JESSICA 3,179,961
HANNEMANN, STEFAN 3,188,514
HANNUS, HENRIK 3,179,600
HANSEN, KRISTIAN TAGE 3,188,786
HARADA, WATARU 3,188,553
HARARI, OLIVIER 3,179,619
HARB, AHMAD 3,188,660
HARE, JUSTIN ALLEN 3,180,004
HARFOUCHE, JOSEPH 3,179,885
HARLEY, IAN JG 3,180,712
HARRATH, ALEXANDRE BEN 3,178,968
HARRIS, DANIEL 3,188,741
HARRIS, ELIZABETH ANN 3,180,230
HARRIS, RACHEL 3,181,203
HARRIS, RACHEL 3,181,261
HARTIGAN-O'CONNOR, DENNIS 3,188,581
HARVEY, ANDREW 3,180,348
HASSAN, AHMED 3,180,064
HATCH, STEVEN RANDALL 3,180,011
HATLEY, RICHARD 3,188,922
HAU, HEIDI 3,179,613
HAUSER, BRYAN 3,188,286
HAWKINS, JUSTIN T. 3,179,638
HAYASHI, MITSUO 3,180,393
HAYEK, HUSSEIN MOHAMMAD 3,188,660
HAYNES, DAVID 3,188,516
HAYWARD, PETER JAMES 3,180,496
HAZUMI, KIMIKAZU 3,189,009
HE, FENG 3,180,615
HE, KEFENG 3,180,347
HE, LINLING 3,188,348
HE, MOLLY 3,178,970
HE, XIANG 3,180,076
HE, XIANG 3,188,569
HE, ZHEN 3,188,576
HEAFIELD, JOANNE 3,180,526
HEAFIELD, JOANNE 3,180,544
HECHLER, CLAUS 3,188,324
HEEGER, DEREK 3,180,770
HEIJNS, WIM 3,180,015
HEINELT, UWE 3,180,871
HEINRICH, BEAT 3,188,789
HEINSOHN, KLAUS 3,180,021
HEKMATSHOARTABARI, BAHMAN 3,180,838
HELIOS SPORTS, INC. 3,180,473
HEMMINGHAUS, JOHN W. 3,188,298
HEMMINGSEN, PAL VIGGO 3,180,414
HENDERSON, JAIMIE M. 3,188,766
HENKENSIEFKEN, ANGELA 3,180,251
HENRY VAN BOEKEL B.V. 3,180,208
HENZLER, JENS 3,180,403
HERBANEK, RON 3,188,668
HERD, MICHAEL 3,188,483
HERNANDEZ JR., AXEL 3,188,739
HEROLD, SEBASTIAN 3,188,350
HESS, JOSHUA 3,179,573
HETT, CHRISTOPHER SCOTT 3,180,029
HEWINS, JACOB ALEXANDER JOHN 3,188,920
HEYES, JAMES 3,188,661
HICKEY, RYAN 3,179,643
HILDENBRAND, VOLKER DIRK 3,180,234
HILTI AKTIENGESELLSCHAFT 3,178,959
HILTY-VANCURA, FLORENTINE 3,180,045
HIRSCH, EMILIO 3,180,075
HIRSEKORN, KURT F. 3,180,432
HIRT, PASCAL 3,188,750
HITACHI CONSTRUCTION MACHINERY CO., LTD. 3,180,448
HJORTH, CHRISTY 3,180,554
HOARE, TODD 3,180,428
HOBRO, STURE 3,180,461
HODGES, DOUG 3,180,883
HODGSON, JOHN GRAEME 3,180,314
HOEM, JON HELGE 3,179,588
HOESLI, CORINNE A. 3,188,925
HOFEL, TORBEN 3,188,826
HOGAN, MICHAEL C. 3,188,741
HOGAN, ROBERT J. 3,188,741
HOLE-IN-ONE MEDIA, INC. 3,180,246
HOLLERN, JASON M. 3,179,724
HOLLISTER INCORPORATED 3,179,535
HOLLISTER INCORPORATED 3,179,728
HOLLISTER INCORPORATED 3,180,050
HOLMAN, RICHARD K. 3,180,426
HOLMES, ARTHUR JONATHAN 3,180,079
HOLMES, ARTHUR JONATHAN 3,180,084
HOLTON, MICHAEL 3,180,544
HOLTSTIEGE, THOMAS 3,180,277
HOME DEPOT INTERNATIONAL, INC. 3,179,971
HOME DEPOT INTERNATIONAL, INC. 3,179,979
HOMOLOGY MEDICINES, INC. 3,180,219
HONARMAND, SOMAYEH 3,179,812
HONG, DAVID 3,180,477
HONG, SUN WOO 3,179,876
HOPE, PAUL 3,179,662
HOPKINS, CHAD DANIEL 3,188,737
HORN, JUERGEN 3,188,448
HORNE, BRUCE OYER II 3,180,593
HORPHAG RESEARCH IP (PYC) LTD. 3,180,707
HOSEINI, SAYED SHAHABUDDIN 3,180,690
HOSHINO, HAYATO 3,188,553
HOSS, KAMI 3,188,663
HOUSE OF METALS COMPANY LIMITED 3,180,757
HOUWELING, ZOMER SILVESTER 3,180,234
HOVER INC. 3,179,772

HOWARD, LEE 3,180,726
HOWARD, STEVEN 3,188,663
HSIEH, CHING-LIN 3,180,554
HSU, STEPHEN K. 3,179,816
HU, JUN 3,180,076
HU, PING 3,180,463
HU, XUEFEI 3,180,444
HUAI, QINGRU 3,180,463
HUANG, GUANMING 3,188,309
HUANG, GUOGANG 3,188,573
HUANG, GUOJI 3,180,764
HUANG, LUNG 3,180,525
HUANG, PETER QINHUA 3,188,737
HUANG, QUANHUA 3,180,269
HUAWEI TECHNOLOGIES CO., LTD. 3,180,076
HUAWEI TECHNOLOGIES CO., LTD. 3,180,259
HUAWEI TECHNOLOGIES CO., LTD. 3,180,440
HUAWEI TECHNOLOGIES CO., LTD. 3,180,768
HUAWEI TECHNOLOGIES CO., LTD. 3,188,569
HUAWEI TECHNOLOGIES CO., LTD. 3,188,573
HUBBELL INCORPORATED 3,180,849
HUESKER SYNTHETIC GMBH 3,179,640
HUET, ROBERT 3,179,910
HUFTON, RICHARD 3,180,877
HUGHES, GLEN 3,188,938
HUGHES, KEVIN J. 3,180,266
HUGHES, SIMON 3,179,971
HUGHES, SIMON 3,179,979
HUMANWELL PHARMACEUTICAL US 3,180,729
HUNT, SEAN 3,179,831
HUNT, SEAN T. 3,179,818
HUNTING TITAN, INC. 3,188,288
HUNTSMAN INTERNATIONAL LLC 3,188,804
HURKMANS, PETRUS LAMBERTUS 3,179,722
HURLEY, GARRETT 3,179,850
HURLEY, GARRETT 3,179,851
HURLEY, GARRETT 3,179,852
HURLEY, GARRETT 3,179,854
HURLEY, GARRETT 3,179,855
HURLEY, GARRETT 3,179,856
HURLEY, GARRETT 3,179,858
HURLEY, JAMES 3,180,572
HUXLEY, ANTHONY 3,180,079
HUXLEY, ANTHONY 3,180,084
HWANG, SEON AH 3,180,295
HYDROSIDE SYSTEMS LLC 3,179,857
HYPERFRAME INC. 3,180,579
HYTONEN, EEMELI 3,180,039
I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A. 3,188,908
I.M.A. INDUSTRIA MACCHINE AUTOMATISCHE S.P.A. 3,188,907
I4F LICENSING NV 3,179,634
IBRAHIM, SYED 3,180,422
ICARUS TECHNOLOGY LLC 3,188,818
ICELL GENE THERAPEUTICS LLC 3,180,750
ICHNOS SCIENCES SA 3,180,138
ICKES, ANDREW M. 3,188,758
ICOZ, DIDEM 3,180,420
IDE, AKIHIRO 3,189,000
IDE, AKIHIRO 3,189,002
IDRIS ONCOLOGY B.V. 3,188,828
IDRIS ONCOLOGY B.V. 3,188,829
IFOLLOW 3,188,743
IFOLLOW 3,188,754
IFOLLOW 3,188,757
IKAMPER CO., LTD. 3,180,036
ILAG, LEODEVICO L 3,180,598
ILMEN, MARJA 3,180,039
IMBRIA PHARMACEUTICALS, INC. 3,188,286
IMC CREATIONS 3,180,421
IMES, KEVIN R. 3,180,246
IMHOF, RAINER MARIA 3,180,782
IMPERO, PASQUALE 3,180,450
IMPERO, PASQUALE 3,180,538
INADA, KOJIRO 3,188,295
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,275
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,276
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,277
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,278
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,279
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,280
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,282
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,283
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,323
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,404
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,406
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,408
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,412
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,413
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,415
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,440
INARI AGRICULTURE TECHNOLOGY, INC. 3,188,441
INCHEONINTERNATIONAL AIRPORT CORPORATION 3,180,383
INCHEONINTERNATIONAL AIRPORT CORPORATION 3,180,398
INCYTE CORPORATION 3,188,639
INMAN, JAMES BRIAN 3,180,297
INNOVA PATENT GMBH 3,188,928
INNOVACELL AG 3,180,026
INNOVATION ENERGY AS 3,180,414
INNOVATION ENERGY AS 3,180,415
INOTREM 3,180,293
INOUE, HIROTO 3,180,852
INOZYME PHARMA, INC. 3,179,982
INOZYME PHARMA, INC. 3,180,119
INSERM(INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,180,609
INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,180,870
INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE 3,180,265
INSTITUTO SUPERIOR TECNICO 3,179,830
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,249
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,256
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,263
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,838
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,848
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,862
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,874
INTERNATIONAL BUSINESS MACHINES CORPORATION 3,180,884
INTONATO, BUD 3,180,720
INVENTISBIO CO., LTD. 3,179,791
INVETX, INC. 3,188,448
IOTA BIOSCIENCES, INC. 3,180,532
IRELAND, SEAN 3,188,593
IRVING, BRYAN 3,180,251
ISAACSON, S. RAY 3,180,228
ISENHOUR, MICAH COLEN 3,180,464
ISHII, HIROTAKE 3,180,448
ISHIMOTO, HIDEFUMI 3,180,448
ITI TECHNOLOGIES, INC. 3,188,376
ITO, ERIKO 3,188,563
J. MOLLER SAN-PEDRO, CLAUS 3,180,690
JAAKKOLA, ANU 3,180,278
JACKSON, CHRISTINA 3,180,422
JACOBMEIER, OLAF 3,188,780
JACOBS, IRWIN C. 3,179,635
JACOBSON, SVEN 3,180,411
JACOBSON, SVEN 3,180,436
JACQUEMART, VINCENT 3,188,743

JACQUEMART, VINCENT 3,188,754
JACQUEMART, VINCENT 3,188,757
JADERBERG, JAN 3,180,392
JAGAN, NAVAM 3,080,271
JAGER, TOBIAS 3,180,021
JAKOBI, HARALD 3,188,782
JAKOBSEN, KRISTOFFER KJELLSA 3,179,600
JAMBRINA PALLARES, CLAUDIA 3,179,874
JAMES L. ORRINGTON, II D.D.S., P.C. 3,178,971
JAMIN, JON 3,188,483
JANASZ, LUKASZ PIOTR 3,180,464
JANEK, JUERGEN 3,188,598
JANETT, ANDREAS 3,180,263
JANISZEWSKI, MATEUSZ 3,180,416
JANKA, DENNIS 3,180,616
JANNAUD, MAXIME 3,188,785
JANSSEN PHARMACEUTICA NV 3,180,387
JANSSEN PHARMACEUTICA NV 3,188,798
JANSSEN SCIENCES IRELAND UNLIMITED COMPANY 3,188,801
JASCHKE, LENA MARIA 3,188,194
JAVANMARDI, MOHAMMAD 3,180,554
JEDAMZIK, RALF 3,180,032
JEDWAB, MICHAEL 3,179,683
JEFFORDS, ELIZABETH W. 3,180,401
JELLA, PRASHANTHI 3,188,513
JEN, JIMMY 3,188,586
JENSEN, KATHRYN 3,180,399
JENTSCH, NICHOLAS 3,180,052
JEON, HYEON HO 3,180,295
JEONG, HO JIN 3,188,572
JEPSEN, JACOB PYUNG HWA 3,188,904
JERHAOUI, SOUFYAN 3,180,387
JESUS DE SEQUEIRA SERRA NUNES, ANGELA MARIA 3,179,830
JIANG, DR. YANRUI 3,178,957
JIANG, HUALIANG 3,180,886
JIANG, XUN 3,180,750
JIANG, YUEHENG 3,179,791
JIANG, ZHANPENG 3,180,886
JIANGSU HENGRUI PHARMACEUTICALS CO., LTD. 3,180,615
JIBB, RICHARD JOHN 3,188,668
JIMENEZ CENZANO, VERONICA 3,179,874
JIMENEZ GONZALEZ, NOE 3,188,768
JIN, DONG KYU 3,180,563
JIN, JUN 3,188,582
JIN, YOSHINOBU 3,188,623
JIN, YUHAO 3,188,566
JOHANNESSEN, LIV HELENA 3,180,314
JOHANSEN, ERIC 3,180,251
JOHANSSON, FRANK BARTNIK 3,180,682
JOHANSSON, PATRICK 3,180,271
JOHN BEAN TECHNOLOGIES CORPORATION 3,188,449
JOHNSON & JOHNSON CONSUMER INC. 3,188,443
JOHNSON & JOHNSON CONSUMER INC. 3,188,512
JOHNSON CONTROLS TYCO IP HOLDINGS LLP 3,188,834
JOHNSON, ANDERS 3,180,885
JOHNSON, JARROD 3,180,052
JOHNSON, KALLE LUKYAN 3,179,816
JOHNSON, MOLLY 3,188,658
JOHNSON, NICOLE 3,180,554
JOHNSTON, PETER OWEN 3,180,598
JOHNSTON, SEAN M. 3,179,596
JOKINEN, MIKA 3,188,773
JOLY, FLAVIEN 3,180,074
JONCHERAY, THOMAS JULIEN 3,188,804
JONES, ALAN 3,179,650
JONES, LEE A. 3,179,613
JONES, ROBERT TODD 3,179,638
JONES, STEFAN PAUL 3,188,752
JONES, TIM 3,180,906
JONQUA, BERNARD 3,179,811
JONSSON, JORGEN PER 3,188,331
JOOZEF 3,179,885
JORDA MIRO, LUCIA 3,188,935
JOSE, MARTA 3,180,876
JOSEPH, JENNIFER M. 3,179,837
JOUFFROY, MATTHIEU DOMINIQUE 3,180,387
JUNG, HONG RYUL 3,180,295
JUNG, JAE HO 3,180,590
JUNG, SUNG BUM 3,180,468
JURGA, MARCIN 3,188,738
JURGA, MARCIN 3,188,759
KAARINEVA, MATTI 3,180,546
KABADI, AMI 3,188,748
KAHLEN, SUSANNE 3,188,338
KAIMAINEN, MIKA 3,188,773
KAJIYAMA, KENJI 3,180,057
KALAKODIMI, RAJENDRA PRASAD 3,179,784
KALUSCHKE, TOBIAS 3,188,780
KAMINSKY, NICOLE 3,188,512
KAMIYAMA, FUMIO 3,180,057
KAMIYAMA, FUMIO 3,180,442
KANDALE, AJIT NANDAKUMAR 3,188,556
KANEKO, TOKUSHI 3,188,321
KANESHIMA, TAKUMA 3,180,583
KANG, TSUNG-SHENG 3,180,862
KANJ, ROUWAIDA 3,179,961
KANNAN, ARVIND 3,180,266
KANNAN, KUMAR 3,188,286
KANNO, ATSUO 3,180,470
KANSAI PAINT CO., LTD. 3,188,565
KAPLAN, JONATHAN 3,181,261
KAPLAN, VALERY 3,188,559
KAPPEL, BARRY JAY 3,180,559
KAPUR, MRIDULA 3,180,272
KAPUR, MRIDULA 3,180,432
KAR, KENNETH C.H. 3,180,811
KARLSSON, OLA 3,180,867
KARMALI, RASHIDA 3,185,943
KARNAK TECHNOLOGIES, LLC 3,188,619
KASBERGEN, PAUL 3,180,015
KASHIV BIOSCIENCES, LLC 3,188,616
KASHIV BIOSCIENCES, LLC 3,188,632
KASTRUN, MARIO 3,188,342
KATO, HIROAKI 3,188,321
KAUL, ARNAV 3,180,052
KAVENY, KYLE 3,179,850
KAVENY, KYLE 3,179,851
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KAVENY, KYLE 3,179,858
KAY, CHRISTOPHER 3,188,920
KAY, JAMES 3,188,597
KAYSER, KEVIN JOHN 3,179,816
KEARNS, BARBARA J. 3,179,535
KEARNS, BARBARA J. 3,179,728
KECKLER, KENNETH 3,179,818
KEDMI, AVI 3,180,274
KELLINGER, MATTHEW 3,178,970
KELLY, MICHAEL J. III 3,180,372
KEMPER, KEVIN CONRAD 3,179,848
KEMPER, KEVIN CONRAD 3,179,850
KEMPER, KEVIN CONRAD 3,179,851
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KEMPER, KEVIN CONRAD 3,179,856
KEMPER, KEVIN CONRAD 3,179,858
KENNEDY, EDWARD M. 3,180,557
KERA, RYOSUKE 3,188,563
KERN, OLIVER THOMAS 3,180,079
KERN, OLIVER THOMAS 3,180,084
KEROVUO, JANNE 3,180,681
KERR, MATTHEW S.D. 3,179,837
KESSELHEIM, BERTRAM 3,180,701
KEYLOCK, MATTHEW 3,180,525
KHOCHEN, AJAY 3,179,997
KIANI, LEILY S. 3,179,574
KICZUN, MICHAEL 3,180,079
KICZUN, MICHAEL 3,180,084
KIERNAN, BERNARD MATTHEW 3,179,814
KIM, DAVID 3,180,774
KIM, EUN BEE 3,180,820
KIM, HYO JOON 3,189,004
KIM, HYUNCHUL 3,178,971
KIM, KYLE 3,180,753
KIM, MYOUNG GOO 3,188,286
KIM, NAM DOO 3,180,295
KIM, SANG EUN 3,180,590
KIM, SANG YUN 3,179,603
KIM, SANG YUN 3,179,649
KIM, SUNG HWAN 3,180,295
KIM, YONG CHAN 3,179,826
KING'S COLLEGE LONDON 3,188,610
KING, LISA ANNA 3,188,601
KING, NEIL P. 3,180,541
KINNAN, MICHAEL A. 3,188,813
KINOKO - TECH LTD 3,188,319
KINSELLA, B. THERESE 3,188,796

KIRIMURA, AKIYOSHI 3,180,448
KIRSCHBROWN, JUSTIN 3,180,091
KISS, ERIC 3,180,720
KITAHARA, HIROKUNI 3,180,848
KITHER BIOTECH S.R.L. 3,180,075
KITO, TAKUYA 3,180,470
KITZMILLER, BROOKE D. 3,188,813
KLEIN, ALEXANDER LUDWIG 3,180,234
KLEIN, FLORIAN 3,180,556
KLEIN, RENE ALEXANDER 3,188,804
KLOEPPER, BENJAMIN 3,180,616
KNECHT, MAX HUNTER 3,188,512
KNIGHT, JONATHON 3,180,663
KNIGHT, JONATHON 3,180,671
KO, JIN YOUNG 3,180,468
KO, YOUNG HEE 3,188,375
KOANE-YANE, THOMAS 3,178,956
KOBAYASHI & CO.,LTD. 3,188,553
KOBAYASHI, HIROYUKI 3,179,569
KOCHEL, CHRISTINA M. 3,180,883
KOCK, MICHAEL ANDREAS 3,188,275
KOCK, MICHAEL ANDREAS 3,188,276
KOCK, MICHAEL ANDREAS 3,188,277
KOCK, MICHAEL ANDREAS 3,188,278
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KOCK, MICHAEL ANDREAS 3,188,408
KOCK, MICHAEL ANDREAS 3,188,412
KOCK, MICHAEL ANDREAS 3,188,413
KOCK, MICHAEL ANDREAS 3,188,415
KOCK, MICHAEL ANDREAS 3,188,440
KOCK, MICHAEL ANDREAS 3,188,441
KOCK, MICHAEL, ANDREAS 3,188,406
KOCKX, FRANCISCUS NICOLAAS 3,188,194
KODISCOVERY, LLC 3,188,375
KOEHLER, FREDERICK B. 3,180,247
KOELSCH, BERTRAM LORENZ 3,179,983
KOERNER, JULIA 3,180,053
KOKONASKI, WILLIAM 3,180,266
KOLARI, MARKO 3,180,278
KONDO, DERRICK POO-RAY 3,179,983
KONDOU, NAOKO 3,180,442
KONG, XIANGJIE 3,180,453
KONINKLIJKE PHILIPS N.V. 3,188,194
KONKOL, LEAH C. 3,188,639
KONOPACZ, KAITLIN 3,180,896
KORZHUK, OLEKSII 3,180,131
KOST, JONAS 3,180,446
KOTTWITZ, ORTWIN 3,180,255
KOUDOUSSI, HIBA 3,188,504
KOUTSOUBIDIS, VASILIOS 3,180,346
KOVACS, JASON 3,180,739
KRAMP, MARVIN 3,188,324
KRAUS, PAUL R. 3,179,977
KRAUS, PAUL R. 3,180,011
KRAUSE, JENS 3,188,273
KRAUSE, KARL-HEINZ 3,179,599
KRAUSSMAFFEI TECHNOLOGIES GMBH 3,188,930
KRAVITZ, RACHEL H. 3,180,217
KRAVITZ, RACHEL H. 3,180,705
KREER, CHRISTOPH 3,180,556
KRISHNAN, PREETHI 3,188,739
KRISHNAN, SUNIL 3,188,659
KRISTENSEN, KIM 3,180,410
KRONIG, SABRINA 3,188,780
KROSNEY, MARK D. 3,179,859
KRUSPE, THOMAS 3,180,585
KUBAL, NANDKISHOR 3,179,932
KUBISTA, DANIEL 3,180,356
KUBO, SATOSHI 3,180,470
KUBOTA CORPORATION 3,179,569
KUBOTA CORPORATION 3,180,393
KUBOTA, RYO 3,179,939
KUCHARKO, JERZY FRANCISZEK 3,180,068
KUDO, RURIKO 3,180,848
KUHLMAN, ROGER L. 3,180,287
KUHLMAN, ROGER L. 3,180,366
KUHLMAN, ROGER L. 3,180,371
KUHLMAN, ROGER L. 3,180,373
KUHLMANN, HENNING 3,180,413
KUKHAREV, VADIM 3,179,659
KUMAR, AVISHEK 3,180,889
KUMAR, DANGE VIJAY 3,179,637
KUMAR, HEMANT 3,180,496
KUMAR, RAMYA 3,180,775
KUNG, KEVIN 3,180,475
KUNKEL, JOSEF 3,188,826
KUNKELMANN, CHRISTIAN 3,188,324
KUO, CHUNG-HAO 3,188,758
KUO, HUNG-CHE 3,180,554
KUPPILI, RAJA REDDY 3,188,616
KUPPILI, RAJA REDDY 3,188,632
KUPPUSAMY, SENTHILNATHAN 3,180,880
KURARAY CO., LTD. 3,180,558
KURARAY CO., LTD. 3,180,565
KURARAY CO., LTD. 3,180,583
KURARAY CO., LTD. 3,180,588
KUTTIMALAI, SILVAN SHIWA 3,179,781
KWAN, JEFFREY CHAK-FAI 3,180,453
KWAN, THOMAS ALAN 3,179,943
KWIATKOWSKI, NICHOLAS PAUL 3,180,846
KWON, JENNIFER HYEEUN 3,179,943
KYRATSOUS, CHRISTOS 3,179,819
LABRECQUE, FRANCIS 3,188,785
LACHESIS BIOSCIENCES LIMITED 3,180,600
LACZAK, DAVID 3,179,624
LAHORKAR, PRAFUL GULAB RAO 3,178,963
LAHOUD, IMAD 3,180,786
LAHOUD, IMAD 3,180,787
LAI, BAOLIN 3,180,269
LAI, CHENG-TSUNG 3,188,639
LAJUNEN, HANNA 3,179,938
LAKSHMINARAYANAN, GOPI 3,188,511
LAM, IMELDA 3,180,229
LAM, KIEU MONG 3,188,661
LAM, RONALD 3,179,850
LAM, RONALD 3,179,851
LAM, RONALD 3,179,852
LAM, RONALD 3,179,854
LAM, RONALD 3,179,855
LAM, RONALD 3,179,856
LAM, RONALD 3,179,858
LAM, THANH MUNG 3,188,583
LAMAR, JANINE 3,188,382
LAMB, CALLUM 3,179,856
LAMBDEN, SIMON 3,180,293
LAMOUREUX, CLEMENT 3,180,786
LAMOUREUX, CLEMENT 3,180,787
LAMSON, KYLE 3,179,858
LANDIS+GYR INNOVATIONS, INC. 3,180,029
LANDMER, ALICE 3,188,578
LANG, ORTMUND 3,188,324
LANGENBERG, DANIEL 3,180,604
LANGTON, MATT 3,188,808
LANGVIK, MARIANNE LARSSEN 3,188,574
LANIER, WILLIAM 3,180,459
LANZONI, GIACOMO 3,188,847
LAO, LIMING 3,180,352
LAPLANTE, CURTIS 3,180,252
LAPPE, KATHLEEN 3,188,771
LAROCHE, GAETAN 3,188,925
LASTOVICH, ALEXANDER G. 3,179,838
LAUER, MICHAEL 3,180,021
LAUGHLIN, TREVOR JACOB 3,188,841
LAURENT, STEPHANE 3,179,815
LAURENT, STEPHANE 3,179,821
LAURENTIUS, LARS B. 3,180,053
LAUX-BIEHLMANN, ALEXIS 3,188,308
LAVA THERAPEUTICS N.V. 3,188,601
LAVAGNINO, MICHAEL 3,179,602
LAVAGNINO, MICHAEL 3,179,609
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC 3,179,574
LAWRENCE, JEREMY 3,179,724
LAWRENCE, RICHARD CHARLES 3,180,455
LAWRENCE, RICHARD CHARLES 3,180,465
LAWSON, CRAIG 3,180,784
LAYTON, MARK E. 3,180,372
LAZAROVITS, JAMES 3,180,541
LAZARUK, LEO 3,188,588
LE BIHAN, THIERRY 3,179,958
LE REVEREND, BENJAMIN JEAN DIDIER 3,179,683
LE ROUX, PHILIP 3,179,848
LE, NGOC 3,180,775
LEANFIL OY 3,180,170
LEBER, MORITZ M. 3,180,053
LEBLANC LATOUR, MAXIME 3,179,643
LEDUC, BRIAN 3,188,741
LEE, ANDREW 3,180,018
LEE, BENHUR 3,188,810
LEE, BYUNG CHUL 3,180,590
LEE, IV JESTWIN EDWIN 3,180,399
LEE, JENNIFER S. 3,180,557

LEE, JI EUN 3,179,707
LEE, JOOYOUNG 3,180,720
LEE, KANG CHOON 3,180,758
LEE, KWON-JIN 3,180,383
LEE, KWON-JIN 3,180,398
LEE, PO-HUA 3,188,586
LEE, SEULKI 3,180,758
LEE, YOUN HO 3,180,295
LEE, YOUNG YI 3,180,295
LEGARE, FRANCOIS 3,180,870
LEGER, JOHN PAUL 3,180,455
LEGER, JOHN PAUL 3,180,465
LEHMAN, DELMAR EUGENE 3,188,834
LEHMUTH, CHRISTOPHER G. 3,179,611
LEHNEN, ALFRED 3,180,756
LEIN, EDWARD SEBASTIAN 3,180,017
LEINO, LASSE 3,188,773
LEJA, PIOTR 3,180,720
LELY PATENT N.V. 3,188,583
LENGES, CHRISTIAN PETER 3,180,753
LEO, ORLANDO 3,188,613
LEOLABS, INC. 3,179,817
LEON MONZON, KALET 3,180,605
LERNER, LORENA 3,180,557
LES LABORATOIRES SERVIER 3,188,788
LESNER, ADAM 3,180,888
LETERTRE, PHILIPPE 3,180,265
LEU, HSUAN-YU 3,180,053
LEUKEL, SEBASTIAN 3,180,032
LEVELL, JULIAN R. 3,179,627
LEVI, BOAZ P. 3,180,017
LEVINE, ADAM RICHARD 3,188,444
LEVY, DANIEL 3,188,639
LEWIN, MATTHEW EVAN 3,188,906
LEWIS, DANIEL T. 3,180,358
LEWIS, MIKEL LEE 3,180,455
LEWIS, MIKEL LEE 3,180,465
LEWIS, SCOTT 3,188,305
LEX, MARCEL 3,180,045
LI, BINFENG 3,179,814
LI, DONGDONG 3,180,623
LI, JUN 3,179,612
LI, JUN 3,187,033
LI, KAI 3,188,593
LI, KRIS 3,179,850
LI, KRIS 3,179,851
LI, KRIS 3,179,852
LI, KRIS 3,179,854
LI, KRIS 3,179,855
LI, KRIS 3,179,856
LI, KRIS 3,179,858
LI, MEIHUA 3,187,033
LI, MENG 3,180,259
LI, QIAN 3,188,315
LI, SHIQIANG 3,188,258
LI, TAN 3,136,557
LI, TAO 3,180,862
LI, WEI 3,180,467
LI, WEI 3,180,469
LI, XIAOLING 3,188,745
LI, XIN 3,180,615
LI, XUN 3,180,269
LI, YILIN 3,180,886
LI, YING-ZHE 3,180,057
LI, YINGCHENG 3,188,582
LI, YIQING 3,180,440
LI, YUNBO 3,180,440
LI, YUNBO 3,188,573
LIANG, APENG 3,179,612
LIANG, APENG 3,187,033
LIANG, DANDAN 3,180,440
LIANG, HUACHENG 3,180,269
LIAO, SUBO 3,180,729
LIAO, YU-HSIEN 3,180,737
LIAO, ZONGQUAN 3,180,729
LIBERTI, PAUL A. (DECEASED) 3,180,451
LIGHT, WILLIAM 3,178,970
LIM, HYUNG KYU 3,179,603
LIM, HYUNG KYU 3,179,649
LIM, JONG LAE 3,180,468
LIM, MATAKII 3,180,400
LIMBURG, BERND 3,179,621
LIN, HUI 3,188,311
LIN, WENSHENG 3,180,363
LIN, WENSHENG 3,180,368
LIN, WENSHENG 3,180,374
LINDE GMBH 3,188,826
LINDSAY, MYLES 3,180,876
LINDSTAD, PAL 3,179,600
LINTON, MACRAE F. 3,180,792
LISKAMP, ROBERT M. J. 3,180,621
LIST, HANS 3,188,603
LIU, BO 3,180,272
LIU, BO 3,180,432
LIU, DREW SYING 3,180,406
LIU, FANGYU 3,180,362
LIU, HAILI 3,188,745
LIU, HONG 3,180,372
LIU, JIAMIN 3,188,749
LIU, JIAN 3,180,372
LIU, JIAN 3,180,759
LIU, JIANHUA 3,180,834
LIU, JINCHENG 3,180,834
LIU, JUN 3,180,269
LIU, LI 3,188,312
LIU, QIXIN 3,179,958
LIU, XUN 3,188,639
LIU, YAN 3,180,463
LIU, YANG 3,180,220
LIU, YANQIN 3,179,791
LIVEPERSON, INC. 3,180,274
LIYASOVA, MARIYA 3,179,958
LOCKHEED MARTIN CORPORATION 3,188,902
LOCKLEAR, JAY E. 3,180,882
LOFTIS, KEVIN 3,179,831
LOGITO, JOSUA 3,180,889
LOIJAS, MARKO 3,180,546
LONG, JOSEPH MILTON 3,188,834
LONG, PHIL 3,179,850
LONG, PHIL 3,179,851
LONG, PHIL 3,179,852
LONG, PHIL 3,179,854
LONG, PHIL 3,179,855
LONG, PHIL 3,179,856
LONG, PHIL 3,179,858
LONGAKER, MICHAEL T. 3,180,018
LONZA LTD 3,180,446
LOO, YUEH-MING 3,188,938
LOPEZ MATILLA, LIEN 3,180,605
LOPEZ, FRANCISCO G. 3,180,091
LOPEZ, GEMMA 3,188,935
LOPEZ, RANDOLPH 3,180,716
LORD, JONATHAN 3,180,573
LORR, JOHN J. 3,180,266
LOWE, ADAM 3,180,457
LOWNDES, CHARLES 3,188,483
LRP AG 3,180,061
LU, HAOHUI 3,188,745
LU, LIANGJUN 3,188,739
LU, WENCHAO 3,180,846
LU, YIFENG 3,180,444
LU, YUNJIE 3,180,790
LU, ZHAOHUA 3,188,576
LUBOMIRSKY, IGOR 3,188,559
LUCHAK, RICHARD WAYNE 3,180,023
LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN 3,188,763
LUKAN, SEAN 3,188,655
LUMMUS TECHNOLOGY LLC 3,188,668
LUNDQUIST, ANDERS 3,188,331
LUO, CHENG 3,180,886
LUO, CHUIYI 3,180,834
LUO, YUNFU 3,179,593
LUPIN LIMITED 3,180,534
LUSTIG, TOMMI 3,180,170
LUTECKI, MICHAL 3,180,682
LUTJE HULSIK, DAVID 3,188,601
LUXME TECHNOLOGIES INC. 3,080,271
LUXOTTICA S.R.L. 3,180,725
LUZARDO LORENZO, MARIA DEL CARMEN 3,180,605
LV, JINLIANG 3,180,729
LYMPEROPOULOS, IOANNIS 3,180,616
LYNCH, NATHAN 3,179,650
LYTT LIMITED 3,180,595
M.G., DINESH 3,180,686
MA, BIN 3,179,958
MA, CHANGYOU 3,180,623
MA, CHI 3,188,315
MA, YIPING 3,180,796
MA, YUPO 3,180,750
MAATTA, MIKKO 3,188,562
MABSOLVE LIMITED 3,179,582
MACALLISTER, THOMAS 3,180,411
MACALLISTER, THOMAS 3,180,436
MACDONALD, SIMON 3,188,922
MACEY, JOHN 3,188,489
MACFARLAN SMITH LIMITED 3,179,839
MACHETTIRA, ANU BHEEMAIAH 3,188,782
MACHIELSEN, PETER ALEXANDER GERARDUS MARIA 3,188,601
MACHOVEC, JEFF 3,180,786
MACHOVEC, JEFF 3,180,787
MACINTOSH, SCOTT 3,188,633
MACPHERSON, JOHN MICHAEL 3,179,983
MADSEN, HENRIK TÆKKER 3,179,505

MAEDA, MASASHI 3,180,470
MAELGWYN MINERAL SERVICES LIMITED 3,180,782
MAGADUM, PRADEEP 3,180,399
MAGNIN, BRUNO 3,180,404
MAGOLAN, JAKOB 3,180,052
MAHADEVAN, RAJIV 3,180,300
MAHAJAN, MUKESH 3,188,616
MAHAJAN, MUKESH 3,188,632
MAHARBIZ, MICHEL M. 3,180,532
MAHIUDDIN, AHMED 3,180,690
MAHLER, HANNS-CHRISTIAN 3,180,446
MAINE, CHRISTIAN 3,188,801
MAJUMDAR, ADITYA 3,188,352
MAKIC, AMMAR ABDULL 3,180,070
MAKIMOTO, MITSUO 3,180,649
MALAEB, WADDAH ARKAN 3,188,157
MALAWIYA, IFTIKAR 3,185,755
MAMINISHKIS, ARVYDAS 3,180,561
MANARESI, GIORGIO 3,188,908
MANCINI, INES 3,180,078
MANFORD, FERGUS 3,180,390
MANKIN, MAX N. 3,180,266
MANN, CHRISTOPHER MARK 3,188,916
MANN, LUKE JAMES 3,188,916
MANNKIND CORPORATION 3,180,230
MANSOOR, RASHID MOHAMED 3,188,597
MANSSON, TOMMY 3,180,893
MAPLEBEAR, INC. (DBA INSTACART) 3,180,094
MARCH, RUTH E. 3,188,938
MARETTE, ALEXIS 3,188,805
MARINE BIO SOLUTIONS AS 3,188,574
MARKOWITZ, SANFORD D. 3,180,452
MARKSON, CHRISTOPHER R. 3,179,611
MARKSTEINER, RAINER 3,180,026
MARKUT, KARL 3,188,342
MARS, INC. 3,180,525
MARSH, CURTIS 3,180,150
MARSH, CURTIS 3,180,315
MARSHALL, AUSTIN WILLIAM 3,179,983
MARSOLEK, JOHN 3,180,377
MARTELLI, MANUELE 3,188,613
MARTIN, ANDREW 3,180,288
MARTIN, BARRIE PHILLIP 3,180,079
MARTIN, BARRIE PHILLIP 3,180,084
MARTIN, CHRISTOPHER RYAN 3,180,098
MARTIN, YVES 3,180,884
MARTINEZ BOTELLA, GABRIEL 3,188,825
MARTINEZ-VILLEGAS, RICARDO 3,180,434
MARTINSSON, PATRICK 3,179,653
MARUYAMA, YOSHIHISA 3,180,393
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,188,904
MASSE, SYLVAIN 3,180,045
MATERION CORPORATION 3,180,612
MATHIEU, JULIE 3,180,541
MATRIXSPEC SOLUTIONS INC. 3,188,312
MATTER, HANS 3,180,871
MATTHEIS, CATLIN 3,188,305
MATTHEWS, WILLIAM 3,179,778
MATTHIESSEN, NORMAN PHILIPP 3,180,395
MAX-DELBRUCK-CENTRUM FUR MOLEKULARE MEDIZIN IN DER HELMHOLTZ-GEMEINSCHAFT 3,188,314
MAXWELL, DUANE 3,188,303
MAYER, ALAIN 3,188,333
MAYNARD, JENNIFER 3,180,554
MAZANETZ, MICHAEL PHILIP 3,188,937
MCALPINE, JACOB 3,180,377
MCCALL, IV, SAMUEL HORACE 3,188,376
MCCARTHY, ROBERT BRIAN 3,180,023
MCCHESNEY, RYAN WESLEY 3,180,090
MCCLUGGAGE, W. GLENN 3,180,712
MCCOURT, TREVOR JOHNATHAN 3,180,752
MCCULLIN, CLAUDE 3,179,860
MCDONALD, JEFFERY 3,180,346
MCDONALD, RUSSELL 3,180,539
MCINALLY, THOMAS 3,188,922
MCKAY, SCOT WAYNE 3,180,424
MCKINNON, AUSTIN 3,180,228
MCLEARY, GORDON 3,180,090
MCLELLAN, JASON 3,180,554
MCLELLAN, STEVE 3,188,483
MCLEOD, JAMES ANDERSON 3,180,509
MCLEOD, MICHAEL CHARLES 3,188,782
MCMASTER UNIVERSITY 3,180,052
MCMASTER UNIVERSITY 3,180,428
MCNEIL, RAE 3,188,655
MCNICHOLS, JOHN M. 3,188,650
MCTAMNEY, II, PATRICK 3,188,938
MCTAVISH, HUGH 3,180,312
ME ENERGY GMBH 3,180,407
MEDIKONDA, ARAVIND PRASAD 3,179,627
MEDSHINE DISCOVERY INC. 3,179,593
MEDTECH CONCEPT LLC 3,179,653
MEE, MICHAEL TRAVIS 3,188,810
MEI, SONG 3,188,639
MEIJER, JAN GERRIT JONATHAN 3,188,583
MEISTER, CATHERINE SIMONE 3,188,782
MELCHER, TODD PATRICK 3,188,509
MELIDA MARTINEZ, HUGO 3,188,935
MEMORIAL SLOAN KETTERING CANCER CENTER 3,180,445
MENDEZ-PEREZ, MARIA 3,180,871
MENG, JIA 3,180,008
MENG, YAN 3,180,028
MENIGOZ, NICOLAS 3,188,743
MENIGOZ, NICOLAS 3,188,754
MENIGOZ, NICOLAS 3,188,757
MENSA, FEDERICO 3,188,739
MENZIES, ROBERT 3,188,345
MEOLA, JENNA-LEIGH 3,188,489
MERCK SHARP & DOHME LLC 3,180,372
MERCK SHARP & DOHME LLC 3,183,862
MERCY BIOANALYTICS, INC. 3,188,377
MERGENTHALER, MATTHIAS 3,180,263
MERUTKA, GENE 3,180,559
MESO SCALE TECHNOLOGIES, LLC. 3,188,297
MESO SCALE TECHNOLOGIES, LLC. 3,188,484
MESSERLY, MICHAEL J. 3,179,574
METENOU, SIMON 3,188,596
METZEN, BERND 3,188,324
MEYER, JAMES C. 3,180,889
MFR TECHNOLOGIES, INC. 3,188,841
MICH, JOHN K. 3,180,017
MICHALAKIS, STYLIANOS 3,188,763
MICHALUK, SCOTT 3,188,513
MICHEL, ROBERT E. 3,180,559
MICHELS, THEO 3,188,446
MICHLIG GONZALEZ, STEPHANIE 3,179,683
MIDDLETON, JASON RAE 3,180,735
MIHARA, TAKUMA 3,180,470
MIIKE, SHINYA 3,180,771
MILLER, BROCK 3,188,620
MILLER, MATTHEW 3,179,985
MILLER, RENEE 3,188,739
MILLIGAN, CHRISTOPHER BLAKE 3,180,449
MILMAN, PAVEL 3,179,643
MIN, JING 3,188,739
MINERS, WILLIAM BEN 3,180,735
MINGOLLA, JACOB JOHN 3,179,846
MISHRA, RITESH 3,180,416
MISSOUM, KARIM 3,180,865
MITRAGOTRI, SAMIR 3,180,060
MITSCHKE, MATTHIAS 3,180,403
MITSUBISHI ELECTRIC CORPORATION 3,179,916
MITSUBISHI ELECTRIC CORPORATION 3,189,009
MITSUMORI, SEIKI 3,180,393
MO, FRODE 3,179,600
MOADDEL, TEANOOSH 3,179,943
MOCK, ELMAR 3,188,805
MODELSKA, ANGELIKA 3,180,078
MODERN ELECTRON INC. 3,180,266
MODLEY, RICHARD 3,180,906
MOEBIUS, JACOB 3,188,663
MOESEN, MAARTEN 3,188,804
MOGALIAN, ERIK 3,180,477
MOGANTY, SURYA 3,180,608
MOGHIMI, BABAK 3,188,656
MOHAMMADABADI, REZA SAFAEI 3,180,870
MOHAN, VIDYUT 3,180,475
MOHN, MARTHE ALMELAND 3,179,600
MOHR, DANA CLIFFORD 3,179,857
MOHR, SHARON ELIZABETH 3,179,857
MOHSENI, MASOUD 3,180,752
MOINOVA, HELEN 3,180,452

MOLINA FERNANDEZ, ANTONIO 3,188,935
MOLLER, KAROLINE 3,180,194
MOLLOY, CHRISTOPHER 3,180,496
MOLLOY, CHRISTOPHER 3,180,498
MOLLOY, PETER 3,180,198
MOLNAR, ATTILA 3,180,456
MOLNAR, CHRISTIAN 3,180,889
MONGUILLON, BERNARD 3,180,033
MONGUILLON, BERNARD 3,180,419
MONOSOL, LLC. 3,180,663
MONOSOL, LLC. 3,180,671
MONSANTO TECHNOLOGY LLC 3,188,298
MONSUL, NICHOLAS T. 3,180,737
MONTY, CHARLES R. 3,188,741
MOODY, CHRISTOPHER 3,188,922
MOON, JI HYE 3,179,707
MOON, STEPHEN 3,180,253
MOONEY, LUKE 3,181,203
MOONEY, LUKE 3,181,223
MOONEY, LUKE 3,181,261
MOORE, ROBERT 3,180,001
MORELAND, JACQUELINE CLAIRE 3,180,098
MORENO FERNANDEZ, SANDRA 3,181,218
MORGAN, GWENDOLYN MARY-JEAN 3,180,098
MORGAN, TIMOTHY MATTHIAS 3,180,600
MORIKAWA, KEISUKE 3,180,583
MORIKIS, THOMAS NIKOLAOS 3,180,382
MORINAGA & CO., LTD. 3,188,563
MORIZIO, JAMES 3,188,591
MORRIS, DANIEL 3,179,602
MORRIS, DANIEL 3,179,609
MORRISON, ANGUS 3,180,079
MORRISON, ANGUS 3,180,084
MORRISON, RANDALL L. 3,188,798
MORTIMER, NEIL 3,180,544
MOTTER, KYLE 3,179,854
MOUCHET, PATRICK 3,188,788
MOUGHTON, COLIN PETER 3,188,920
MOURA BORDADO, JOAO CARLOS 3,179,830
MOUREN, AGATHE 3,180,865
MOURIDSEN, BRIAN 3,188,904
MOYES, PETER BARNES 3,180,396
MOZO MULERO, MARTA 3,179,606
MU, JUAN 3,188,315
MUALLA, IMAD H. 3,180,086
MUKAIYAMA, TAKASUKE 3,188,446
MUKHANOV, ALEXANDER 3,179,811
MUKHERJEE, SIDDHARTHA 3,180,738
MULDER, HANS PETER 3,188,828
MULDER, HANS PETER 3,188,829
MULLAN, PAUL 3,180,712
MULVANEY, EAMON 3,188,796
MURDOCK, LOGAN WILLIAM 3,180,094
MURPHY, BRIAN P. 3,180,341
MURPHY, BRIAN PHILIP 3,180,341
MURPHY, KEITH R. 3,180,300
MURUGAN, CHANDRASAGARAN 3,179,590
MUSTAFA, MUSTAFA 3,179,811
MYBURGH, RENIER 3,179,599
MYERS, BRAD A. 3,188,816
MYKULOWYCZ, NICHOLAS 3,180,739
MZ SERVICES LTD. 3,185,755
NABUTOVSKY, YELENA 3,179,837
NACCACHE, DAVID 3,188,504
NAGEL, JENS 3,188,308
NAGEL, JENS 3,188,311
NAIDU, JITHENDRA KUMAR SATHYANARAYANA 3,180,241
NAKAGAWA, MASAYO 3,179,916
NAKAMICHI, SHINYA 3,188,295
NALLA, PURNA C. 3,180,444
NAMAZI, MEHDI 3,188,442
NAMAZI, MEHDI 3,188,901
NANJING CHIA TAI TIANQING PHARMACEUTICAL CO., LTD. 3,180,623
NANOTOUCH MATERIALS, LLC 3,179,625
NANOTOUCH MATERIALS, LLC 3,179,629
NAOS INSTITUTE OF LIFE SCIENCE 3,180,754
NARAVAYAN, VAIBHAV 3,188,798
NARDUCCI, ANNALISA 3,180,822
NASS, PETER 3,180,032
NATARAJAN, CHINNASAMY 3,179,604
NATARAJAN, MADHUSUDAN 3,188,448
NATESAN, MOHANKUMAR 3,180,241
NATION, LEAH 3,180,426
NATIONAL UNIVERSITY OF IRELAND, GALWAY 3,180,906
NAUDET, JAMES 3,180,421
NAYDENOV, VALERI 3,180,815
NEAR, WILLIAM G. 3,180,473
NEDERLANDSE ORGANISATIE VOOR TOEGEPASTNATUURWETENSCHAPPELIJK ONDERZOEK TNO 3,180,719
NEELY, RYAN 3,180,532
NEESE, JASPER 3,180,701
NEILSON, BETHANY M. 3,180,287
NEILSON, BETHANY M. 3,180,366
NEILSON, BETHANY M. 3,180,371
NEILSON, BETHANY M. 3,180,373
NELSON, RACHEL 3,188,775
NEPTUNE MEDICAL INC. 3,180,091
NERVO, PAULO 3,179,722
NERVO, PAULO 3,180,389
NESTERENKO, IGOR 3,179,779
NETTENSTROM, MATTHEW JOEL 3,180,409
NEUROCEUTICALS INC. 3,180,771
NEWLEAF SYMBIOTICS, INC. 3,180,681
NEWMAN, CORY 3,180,211
NEWMAN, ERIN MCCASKILL 3,180,401
NEWMAN, ROBERT A. 3,180,022
NEXTERN INNOVATION, LLC 3,155,351
NG, JEFF 3,180,720
NG, MAN KIT 3,188,758
NG, TERESA (IOK-CHAN) 3,188,739
NGADI, MICHAEL 3,188,312
NGUYEN, PETER 3,179,831
NGUYEN, VIET ANH 3,180,091
NI, JINSONG 3,180,429
NICOLETTI, ANTONINO 3,180,609
NICOLIS, DIEGO 3,180,725
NICOLLS, MICHAEL JAMES 3,179,817
NICOLOV, KALIN 3,188,333
NICOVENTURES TRADING LIMITED 3,180,409
NIEBEL, TOBIAS 3,180,582
NIEDERBERGER, ALEX 3,188,750
NILEWSKI, CHRISTIAN 3,188,446
NILSEN, NILS-INGE 3,180,414
NILSSON, ANDERS 3,180,461
NILSSON, ERLING 3,180,867
NILSSON, ERLING 3,180,893
NILSSON, RICHARD 3,188,331
NILSSON, TOMMY 3,188,626
NINE RING MACHINERY SHARE HOLDING CO., LTD. 3,181,767
NING, HONGTAO 3,188,315
NIPPON SHEET GLASS COMPANY, LIMITED 3,188,321
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,180,394
NITSCHKE, YVONNE 3,179,982
NITSCHKE, YVONNE 3,180,119
NIU, CHENGSHAN 3,179,612
NIU, CHENGSHAN 3,187,033
NIU, HAIFENG 3,188,315
NIU, YUEZHEN 3,180,752
NOEMA PHARMA AG 3,180,793
NOEMA PHARMA AG 3,180,794
NOGIWA, KIMIHIRO 3,189,000
NOGIWA, KIMIHIRO 3,189,002
NOH, SANG MYOUNG 3,180,468
NOHMS TECHNOLOGIES, INC. 3,180,608
NOLTE, PATRICK 3,188,342
NOON, TIMOTHY EDWARD 3,180,418
NORTON (WATERFORD) LIMITED 3,188,489
NOVA CHEMICALS CORPORATION 3,188,177
NOVABIOTICS LIMITED 3,179,950
NOVAMONT S.P.A. 3,188,800
NOVATRON FUSION GROUP AB 3,180,392
NOVEL PHARMA INC. 3,180,563
NOVO NORDISK A/S 3,188,904
NOVOCURE GMBH 3,188,784
NOVOMEDIX, LLC 3,180,229
NUBBEMEYER, REINHARD 3,188,308
NUCCI, GIANCARLO 3,179,858
NUCCIO, MICHAEL LEE 3,188,275
NUCCIO, MICHAEL LEE 3,188,276
NUCCIO, MICHAEL LEE 3,188,277
NUCCIO, MICHAEL LEE 3,188,278
NUCCIO, MICHAEL LEE 3,188,279
NUCCIO, MICHAEL LEE 3,188,280

NUCCIO, MICHAEL LEE 3,188,282
NUCCIO, MICHAEL LEE 3,188,283
NUCCIO, MICHAEL LEE 3,188,323
NUCCIO, MICHAEL LEE 3,188,404
NUCCIO, MICHAEL LEE 3,188,408
NUCCIO, MICHAEL LEE 3,188,412
NUCCIO, MICHAEL LEE 3,188,413
NUCCIO, MICHAEL LEE 3,188,415
NUCCIO, MICHAEL LEE 3,188,440
NUCCIO, MICHAEL LEE 3,188,441
NUCCIO, MICHAEL, LEE 3,188,406
NUTRITION & BIOSCIENCES USA 4, INC. 3,180,753
NV BEKAERT SA 3,180,767
NXT BUILDING SYSTEM PTY LTD 3,180,400
O'BRIEN, EDWARD REDMOND 3,180,568
O'BRIEN, JOHN P. 3,180,432
O'CONNOR, ANTHONY CHARLES 3,188,063
O'CONNOR, COLIN 3,180,341
O'CONNOR, MAUREEN D. 3,180,574
O'DONNELL, PAUL M. 3,179,535
O'DONNELL, PAUL M. 3,179,728
O'DONNELL, PAUL M. 3,180,050
O'KEEFE, THERESA L. 3,180,301
O'MALLEY, GEORGE 3,178,958
O'MEARA, JAMES 3,188,558
O'NEIL, DEBORAH 3,179,950
O'NEILL, CAROL 3,180,027
O'RAW, ALIESHA 3,188,591
O'SHEA, CLODAGH 3,188,762
OBISO, RICHARD J. 3,180,022
OCADO INNOVATION LIMITED 3,188,336
OCHOA, JOSE 3,179,852
ODDING, CHRISTOPHER 3,179,643
ODORISIO, CHRISTINA 3,180,430
ODUM, ANDERS SEBASTIAN ROSENKRANS 3,179,628
OH, YUMIN 3,180,758
OHASHI, YURI 3,188,553
OHNELL, SOFIA 3,180,885
OKAWA, SHUNSABURO 3,189,009
OLAYIWOLA, BOLAJI 3,188,177
OLCAYTUG, FETHI I. 3,180,301
OLIVER, THOMAS 3,188,336
OLIVIER, AURELIE 3,180,293
OLIX PHARMACEUTICALS, INC. 3,179,876
OLSEN, HENRIK 3,179,834
OMER, MOHAMMAD 3,173,376
OMG, INC 3,180,728
OMNILOOP AB 3,180,885
OMYA DEVELOPMENT AG 3,179,615
OMYA DEVELOPMENT AG 3,179,636
OMYA INTERNATIONAL AG 3,180,045
ONCORUS, INC. 3,180,557
ONIONS, STUART THOMAS 3,188,752
ONIONS, STUART THOMAS 3,188,756
OOYOO LTD. 3,180,764
OPAL FUELS LLC 3,180,356
ORANGE, DANA 3,180,092
ORANGE, DANA 3,180,476
ORANO 3,180,225
ORLOVA, NATALIA 3,180,876
ORRINGTON, JAMES 3,178,971
ORTENDAHL, IVAN PATRIK 3,180,855
ORTMANN,, NATHAN, RICHARD 3,188,653
OSTERHUS, STEIN W. 3,188,574
OTERO MARTINEZ, IRAN 3,188,589
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,180,771
OUNI, TUOMAS 3,180,070
OWEN, DAVID 3,180,877
OYJ, KEMIRA 3,180,278
OZCAN, SOYDAN 3,188,593
P2W LTD. 3,179,576
PACE, CRAIG 3,188,801
PACKARD, GARRICK KENNETH 3,188,446
PADULA, STEVEN JOHN 3,188,382
PAIGE, CHRISTOPHER J. 3,179,646
PAIK, HANHEE 3,180,884
PALEOBIOTICA, INC. 3,180,438
PALMER, LORNE RALPH 3,188,661
PALUMBO, JOSEPH 3,180,027
PAN, JUN 3,188,639
PAN, TONY S. 3,180,266
PAN, ZHICHENG 3,180,428
PANG, MINJIE 3,188,566
PANG, PHILLIP S. 3,180,477
PANONE, AARON 3,180,358
PARATEK PHARMACEUTICALS, INC. 3,179,596
PAREDES, STEPHAN 3,180,263
PAREKH, HARENDRA 3,188,556
PAREKH, NAVNITDAS RADHAKISHAN (DECEASED) 3,179,658
PAREKH, PLATINA SUNEEL 3,179,658
PAREKH, SUNEEL NAVNITDAS 3,179,658
PARK, JONG HOO 3,188,572
PARK, JUNE HYUN 3,179,876
PARK, LINUS 3,179,848
PARK, LINUS 3,179,850
PARK, LINUS 3,179,851
PARK, LINUS 3,179,852
PARK, LINUS 3,179,854
PARK, LINUS 3,179,855
PARK, LINUS 3,179,856
PARK, LINUS 3,179,858
PARK, SOON GYU 3,180,036
PARO, PROF. RENATO 3,178,957
PARREN, PAUL WILLEM HENRI IDA 3,188,601
PARTLO, WILLIAM 3,188,762
PARTLOW, JOE 3,180,341
PASCAL BIOSCIENCES INC. 3,188,776
PATEL, PARTH 3,179,831
PATEL, TOSHAL ROHIT 3,188,748
PATIL, DINESH 3,179,932
PATTERSON, ZACKARY 3,188,084
PATTON, BLAKE PAUL 3,188,900
PAULI, CHRISTOPHER STEPHEN 3,188,481
PAULI, NATHAN S. 3,180,444
PAULSHUS, BJORN 3,179,600
PAVISUS AS 3,188,614
PAWLIK, LISA 3,179,642
PAWLIK, RANDALL 3,179,642
PAX CO., LTD. 3,180,771
PAX, PAUL H. 3,179,574
PBBPOLISUR S.R.L 3,180,432
PEAK INNOVATIONS INC. 3,180,784
PEAR THERAPEUTICS, INC. 3,179,823
PEARSON, DAVID M. 3,180,273
PEARSON, DAVID M. 3,180,275
PEARSON, DAVID M. 3,180,279
PEARSON, DAVID M. 3,180,280
PEARSON, DAVID M. 3,180,282
PECK, AARON 3,179,854
PEDERSEN, LARS STORM 3,179,505
PEDERSEN, THOMAS JAM 3,189,008
PEI, JUNJIE 3,180,623
PELLING, ANDREW EDWARD 3,179,643
PELOTON INTERACTIVE, INC. 3,180,720
PEMI31 THERAPEUTICS INC. 3,180,568
PENG, SHUPING 3,180,768
PENNY, JOHN J. 3,180,849
PENS, YEVGENY 3,188,760
PEREGORD, COREY CHARLES 3,188,834
PEREIRA, DAVID EUGENE 3,188,646
PEREZ JIMENEZ, ROSA, MARIA 3,188,935
PEREZ ROMERO, MANUEL 3,180,633
PERINI, DAVIDE 3,188,800
PERINI, RODOLFO FLEURY 3,183,862
PERRINS, RICHARD 3,180,589
PERUMAL, RAJKUMAR 3,178,963
PETRILLO, DAVID WILLIAM 3,180,720
PETRILLO, MARCO 3,188,907
PETROSKI, RICHARD 3,188,775
PETROVIC, ZELIJKO 3,180,552
PETTIT, GEORGE HUNTER 3,180,001
PETZOLD, UWE 3,180,032
PEYSER, THOMAS ARNOLD 3,188,761
PFANNER SCHUTZBEKLEIDUNG GMBH 3,179,655
PFANNER, ANTON 3,179,655
PFEIFFER, JASON 3,180,341
PFIZER INC. 3,188,344
PFIZER INC. 3,188,752
PFIZER INC. 3,188,756
PHILIPPS-UNIVERSITAT MARBURG 3,180,556
PHIPPS, JON 3,188,593
PHOENIX BIOTECHNOLOGY, INC. 3,180,022
PHOR-MED, INC. 3,180,577
PHYLEM STRUCTURES S.L. 3,180,633
PIAZZA, MICHAEL 3,180,399
PICSELLO, INC. 3,179,920
PIERCY, BRENTON 3,179,850
PIERCY, BRENTON 3,179,851
PIERCY, BRENTON 3,179,852
PIERCY, BRENTON 3,179,854

PIERCY, BRENTON 3,179,855
PIERCY, BRENTON 3,179,856
PIERCY, BRENTON 3,179,858
PIETERSE, JOHANNIS ALOUISIUS ZACHARIAS 3,180,719
PIETTRE, KILIAN 3,180,070
PII GUARD APS 3,188,334
PILLAI UNIVERSAL LLC 3,180,686
PILLAI, BASKARAN 3,180,686
PILLOW, THOMAS HARDEN 3,188,649
PINAUDA, LUCA 3,188,818
PINHEIRO MARTINS, JORGE FILIPE 3,178,981
PINHEIRO, ELAINE M. 3,183,862
PINTZ, HEIKO 3,179,640
PINZ, KEVIN 3,180,750
PIOTROWSKI, MATHEW 3,180,052
PIPER NETWORKS, INC. 3,188,303
PIRES DOS SANTOS MATEUS, MARIA MARGARIDA 3,179,830
PIZZOCARO, CARLO 3,178,964
PLANT PREFAB, INC. 3,188,808
PLANT RESPONSE, INC. 3,188,935
PLANT TAP, LLC 3,180,358
PLICHON, STEPHANE 3,178,967
PLUSQUELLIC, JAMES 3,180,770
PODHORNA, JANA 3,188,340
PODTBURG, TERESA C. 3,179,977
POISSANT, DANIEL 3,179,828
POISSANT, SAMUEL 3,179,828
POISSON, PATRICK 3,180,230
POLARIS SENSOR TECHNOLOGIES, INC. 3,178,962
POLAT, METE 3,180,720
POLCARI, MICHAEL 3,179,983
PONCE DE LEON HEALTH DESIGNATED ACTIVITY COMPANY 3,188,646
PONSI, LAWRENCE G. 3,180,896
POOK, ELISABETH 3,188,308
PORI, HEIKKI 3,180,170
PORI, SAMU 3,180,170
PORTAL ACCESS, INC. 3,188,299
PORTMANN, GABRIEL BELLO 3,188,901
POTKAY, JOSEPH 3,180,080
POULSEN, METTE 3,188,904
POUWER, REBECCA 3,180,348
POWELL, JESSICA A. 3,180,401
POWNER, IAIN 3,180,726
PRATCHAYANAN, DANAYA 3,180,028
PRAXIS PRECISION MEDICINES, INC. 3,188,825
PRECIADO RIVERA, NAHIELI IYEIDA 3,180,428
PRECIGEN, INC. 3,188,596
PRECISION PLANTING LLC 3,188,775
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,180,060
PREVECEUTICAL MEDICAL INC. 3,188,556
PREVITE, MICHAEL 3,178,970
PRICE, JOSHUA L. 3,188,275
PRICE, JOSHUA L. 3,188,276
PRICE, JOSHUA L. 3,188,277
PRICE, JOSHUA L. 3,188,278
PRICE, JOSHUA L. 3,188,279
PRICE, JOSHUA L. 3,188,280
PRICE, JOSHUA L. 3,188,282
PRICE, JOSHUA L. 3,188,283
PRICE, JOSHUA L. 3,188,323
PRICE, JOSHUA L. 3,188,404
PRICE, JOSHUA L. 3,188,408
PRICE, JOSHUA L. 3,188,412
PRICE, JOSHUA L. 3,188,413
PRICE, JOSHUA L. 3,188,415
PRICE, JOSHUA L. 3,188,440
PRICE, JOSHUA L. 3,188,441
PRICE, JOSHUA, L. 3,188,406
PRICE, LARRY 3,180,031
PRICE, TREVOR 3,180,370
PRINCE, MICHAEL 3,178,971
PROBERT, CHRIS 3,188,610
PRODEON MEDICAL CORPORATION 3,188,586
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SWIFT, TIMOTHY ALAN 3,179,852
SWIFT, TIMOTHY ALAN 3,179,854
SWIFT, TIMOTHY ALAN 3,179,855
SWIFT, TIMOTHY ALAN 3,179,856
SWIFT, TIMOTHY ALAN 3,179,858
SWIMC LLC 3,188,588
SWINDLEHURST, CATHY A. 3,180,229
SYARIF, RIZKI 3,188,769
SYNOVA S.A. 3,179,581
SYROS PHARMACEUTICALS, INC. 3,180,314
SYSTOL DYNAMICS 3,180,172
SZERESZEWSKI, KAMA 3,179,643
SZILLAT, HAUKE 3,180,871
SZUL, JOHN F. 3,180,287
SZUL, JOHN F. 3,180,366
SZUL, JOHN F. 3,180,371
SZUL, JOHN F. 3,180,373
T-MOBILE USA, INC. 3,188,301
TABER, TODD 3,180,399
TACKABURY, WAYNE FRANCIS 3,180,874
TACTICAL THERAPEUTICS, INC 3,185,943
TACTILE ORTHOPAEDICS INC. 3,180,098
TACTOGEN INC 3,179,785
TADIGOTLA, VASISHT 3,180,572
TAGGART, JOHN MARSHALL 3,188,838
TAKACHAR LIMITED 3,180,475
TAKAGI, TOMITAKA 3,188,321
TAKAHASHI, SHIMPEI 3,180,393
TAKATANI, SHINSUKE 3,180,394
TAKEDA, KAZUTOSHI 3,180,394
TAL, MICHAEL GABRIEL 3,188,299
TALITRIX HOLDINGS, LLC 3,179,638
TALPARA, SANJAYKUMAR VANRAJBHAT 3,188,616
TALPARA, SANJAYKUMAR VANRAJBHAT 3,188,632
TAN, JING 3,180,379
TAN, LIANGWEN 3,180,379
TAN, QIUHANG 3,180,759
TAN, ZHE 3,180,775
TAN, ZHIYUAN 3,180,759
TANAKA, HIROSHI 3,180,442
TANAKA, ICHIRO 3,180,394
TANG, JIANFANG 3,188,315
TANGNEY, JARED RYLAN 3,188,761
TANIGUCHI, SATOSHI 3,188,321
TANVIR, SHAZIA 3,180,049
TAO, MINGZHEN 3,180,463
TAO, WEIKANG 3,180,615
TARAZONA LIZARRAGA, JAIME 3,180,633
TARGAN, STEPHAN R. 3,180,628
TARGAN, STEPHAN R. 3,180,632
TASIC, BOSILJKA 3,180,017
TATE, TYLER RUSSELL 3,180,094
TAVERAS, KENNEDY 3,179,627
TAWK, YOUSSEF 3,179,961

TAYLOR, JAMES H. 3,179,803
TAYLOR, PAUL 3,179,958
TAYLOR, ROBERT 3,179,860
TAYLOR, TOM RICHARD 3,188,916
TCG MACHINES INC. 3,180,618
TECHEL, ANJA 3,180,456
TECHHOLD, LLC 3,179,585
TECHNOLOGIES SHAPESHIFT 3D INC. 3,180,345
TEIXEIRA CERQUEIRA, TIAGO FREDERICO 3,178,981
TEKINALP, HALIL 3,188,593
TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) 3,180,034
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,179,632
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) 3,180,790
TEN HAAFT, MATHIJS 3,180,756
TENNETI, TEJASWI 3,180,094
TERJUNG, CARSTEN 3,188,311
TERKELTAUB, ROBERT 3,180,119
TERRA BIOPLASTICS INC. 3,180,434
THALES NEDERLAND B.V. 3,180,575
THE BABCOCK & WILCOX COMPANY 3,180,479
THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 3,180,031
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,180,018
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,180,224
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,180,304
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 3,188,766
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 3,180,572
THE COCA-COLA COMPANY 3,188,513
THE COCA-COLA COMPANY 3,188,746
THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC. 3,179,826
THE JOHNS HOPKINS UNIVERSITY 3,188,311
THE MACKINAC TECHNOLOGY COMPANY 3,180,456
THE PROCTER & GAMBLE COMPANY 3,179,767
THE PROCTER & GAMBLE COMPANY 3,188,274
THE QUEEN'S UNIVERSITY OF BELFAST 3,180,712
THE REGENTS OF THE UNIVERSITY OF CALIFORNA 3,188,581
THE ROCKEFELLER UNIVERSITY 3,180,092
THE ROCKEFELLER UNIVERSITY 3,180,476
THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY 3,188,925
THE SCRIPPS RESEARCH INSTITUTE 3,188,348
THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK 3,180,738
THE TRUSTEES OF DARTMOUTH COLLEGE 3,180,554
THE TRUSTEES OF PRINCETON UNIVERSITY 3,180,476
THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES 3,180,561
THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW 3,180,621
THE UNIVERSITY OF LIVERPOOL 3,188,610
THE UNIVERSITY OF MANCHESTER 3,179,794
THE UNIVERSITY OF WESTERN ONTARIO 3,188,744
THE WASHINGTON UNIVERSITY 3,180,064
THERALY FIBROSIS, INC. 3,180,758
THIBAULT, JUSTIN C. 3,179,724
THIRUPPATHI, SENTHILKUMAR 3,188,312
THIRUVENKATANATHAN, PRADYUMNA 3,180,595
THOMAS, ANDREW 3,188,814
THOMAS, RICHARD W. 3,188,644
THOMAS, VINCENT B. 3,179,840
THOMPSON, DAVID 3,179,982
THOMPSON, DAVID 3,180,119
THOMPSON, KEENAN 3,180,822
THOREL, JEAN-NOEL 3,180,754
THOW, MICHAEL L. 3,179,724
THREADGOLD, WILLIAM TREVOR 3,180,551
THURECHT, KRIS 3,180,877
THURNER, MARCO 3,180,026
TIAN, SHAOMEI 3,180,463
TIAN, ZHOUSHAN 3,180,623
TIANANG, ELIE GERMAIN 3,188,902
TIERNEY, MICHELLE 3,180,906
TILSON, ALEXANDER Q. 3,180,091
TING, JONATHAN 3,180,017
TIRILLY, SERGE 3,188,793
TIROK, SUSANNE 3,180,395
TISCHER, WILLIAM DALE 3,180,748
TITIU, RADU 3,180,722
TIZONA THERAPEUTICS 3,180,883
TK HOME SOLUTIONS B.V. 3,180,015
TOCO BLOX PTY LTD. 3,188,063
TODD, ERIC 3,180,891
TOLEDANO, OHAD 3,188,760
TOLODAY, DAVID V. 3,180,604
TOLWIN, SCHLOMO A. 3,180,358
TONELLI, STEFANO 3,179,570
TONELLI, STEFANO 3,179,608
TONELLI, STEFANO 3,179,626
TONELLI, STEFANO 3,179,769
TONEY, HANS-PETER 3,180,369
TONG, HUAYU 3,184,738
TOOLEY, MARTI RAE 3,180,541
TOPSOE A/S 3,180,682
TORAY INDUSTRIES, INC. 3,188,295
TORCHIO, FRANCESCA 3,182,763
TORCHIO, GIORGIO 3,182,763
TORCHIO, MATTIA 3,188,800
TORRENS, RICHARD 3,188,660
TORRES, ANTHONY 3,188,481
TORRES, EDUARDO 3,180,229
TORRES, GABRIEL 3,180,608
TOWNES, TROY EDWARD 3,180,748
TRACKONOMY SYSTEMS, INC. 3,179,997
TRAN, CHINH VIET 3,188,446
TRAN, HUY 3,180,796
TRANSCYTOS, LLC 3,180,301
TRAUTNER, FLORIAN 3,188,514
TRAVERSO, CARLO GIOVANNI 3,188,904
TRC S.R.L. 3,182,763
TREMBLAY, GILLES BERNARD 3,180,574
TREXLER, JONATHAN BRUCE 3,188,483
TRIASTEK, INC. 3,188,745
TRINDADE, BRUNO 3,180,252
TRINITY BAY EQUIPMENT HOLDINGS, LLC 3,180,455
TRINITY BAY EQUIPMENT HOLDINGS, LLC 3,180,465
TRONOX LLC 3,180,254
TROUILLY, JEAN-LUC 3,188,764
TROYANSHAYA, OLGA G. 3,180,476
TRUDEAU, KYLE MARVIN 3,188,810
TRUDEL, THOMAS 3,188,827
TSU, DAVID V. 3,180,456
TSUBOUCHI, TSUYOSHI 3,189,009
TU, FEINA 3,180,269
TU, HARRY 3,188,447
TUCKER, SIMON 3,180,198
TUCKER-SCHWARTZ, ALEXANDER K. 3,188,484
TUERCK, VOLKER 3,179,621
TUMMALA, SRI HARSHA 3,180,230
TUNSU, CHRISTIAN 3,180,869
TUPALLY, KARNAKER 3,188,556
TYK MEDICINES, INC. 3,179,612
TYK MEDICINES, INC. 3,187,033

TYUTINA, YULIA 3,188,352
U.S. TSUBAKI HOLDINGS, INC. 3,188,741
UCB BIOPHARMA SRL 3,188,748
UCL BUSINESS LTD 3,180,772
UEDA, GEORGE 3,180,541
UKWATTA, ERANGA 3,180,252
ULVENLUND, STEFAN 3,179,829
UMEALU, SAMUEL OKECHUKWU 3,185,797
UNIFY MEDICAL 3,180,220
UNILEVER GLOBAL IP LIMITED 3,178,963
UNILEVER GLOBAL IP LIMITED 3,179,813
UNILEVER GLOBAL IP LIMITED 3,179,943
UNILEVER GLOBAL IP LIMITED 3,180,382
UNIQUEST PTY LTD 3,180,348
UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS 3,180,080
UNITED THERAPEUTICS CORPORATION 3,180,230
UNIVATION TECHNOLOGIES, LLC 3,180,272
UNIVERSAL CITY STUDIOS LLC 3,179,985
UNIVERSAL CITY STUDIOS LLC 3,180,004
UNIVERSIDAD DE LA HABANA 3,180,605
UNIVERSIDAD POLITECNICA DE MADRID 3,188,935
UNIVERSITA DEGLI STUDI DI PARMA 3,180,780
UNIVERSITA DEGLI STUDI DI TRENTO 3,180,078
UNIVERSITA DEGLI STUDI DI TRIESTE 3,180,376
UNIVERSITA' DEGLI STUDI DI ROMA "LA SAPIENZA" 3,180,376
UNIVERSITAT AUTONOMA DE BARCELONA 3,179,874
UNIVERSITAT POLITECNICA DE VALENCIA 3,188,768
UNIVERSITAT ZU KOLN 3,180,556
UNIVERSITE COTE D'AZUR 3,180,265
UNIVERSITE DE LORRAINE 3,185,106
UNIVERSITE LAVAL 3,188,925
UNIVERSITE PARIS 13 - PARIS NORD 3,180,609
UNIVERSITE PARIS CITE 3,180,609
UNIVERSITE TOULOUSE III - PAUL SABATIER 3,180,265
UNIVERSITY HEALTH NETWORK 3,179,646
UNIVERSITY OF GENEVA 3,179,599
UNIVERSITY OF MIAMI 3,188,847
UNIVERSITY OF MONTANA 3,180,268
UNIVERSITY OF NOTTINGHAM 3,188,922
UNIVERSITY OF UTAH RESEARCH FOUNDATION 3,180,053
UNIVERSITY OF WASHINGTON 3,180,541
UNIVERSITY OF ZURICH 3,179,599
UNM RAINFOREST INNOVATIONS 3,180,770
UNTERFINGER, XAVIER 3,180,404
UOTINEN, LAURI 3,180,412
UOTINEN, LAURI 3,180,416
UPADHYAY, ROSHAN GANESHLAL 3,188,616
UPSIDE FOODS, INC. 3,179,816
UR24TECHNOLOGY, INC 3,179,654
URKALAN, KAVERI 3,188,446
URTESTE S.A. 3,180,888
USHIJIMA, HELIO HARUO 3,180,384
UT-BATTELLE, LLC 3,188,593
VAAHTIO, MINNA 3,188,773
VAIDYA, ASHISH ANANT 3,178,963
VAIDYA, RUTVIK 3,180,608
VAIRAVAN, SRINIVASAN 3,188,798
VALENT BIOSCIENCES LLC 3,179,572
VALLOTTON, PAUL-HENRI 3,180,511
VALMET TECHNOLOGIES OY 3,180,546
VALQARI, LLC 3,179,624
VAN BOEKEL, HERMANUS ADRIANA PETRUS MARIA 3,180,208
VAN DE LAAR, TEUN 3,179,812
VAN DE VELDE, JOHAN 3,180,767
VAN DEN BOSCH, MONIEK 3,180,380
VAN DEN HEUVEL, LOUISE EMMA 3,180,472
VAN DEN HEUVEL, LUKAS JAKOB WILLEM 3,179,722
VAN DER KRAAN, GEERT 3,180,753
VAN DER VLIET, JOHANNES JELLE 3,188,601
VAN DER VLIS DESIGN GMBH 3,188,803
VAN DER WERF, ANGELA 3,180,869
VAN EX, FREDERIC 3,188,280
VAN EX, FREDERIC 3,188,282
VAN EX, FREDERIC 3,188,283
VAN EX, FREDERIC 3,188,404
VAN EX, FREDERIC 3,188,408
VAN HAVER, WIM 3,180,767
VAN HEERDEN, DAVID PETER 3,180,612
VAN HOOGSTRATEN, HUBERT 3,180,041
VAN MELICK, DENNIS 3,180,389
VAN WIJK, DOMINICUS JAN 3,180,389
VAN WIJNGAARDEN, PETER 3,188,785
VANDEBERG, PETER 3,180,876
VANDERBILT UNIVERSITY 3,180,792
VANHEYST, MICHAEL D. 3,180,372
VANTAGE SPECIALTY CHEMICALS, INC. 3,180,425
VARGAS, ANGELO 3,180,582
VARKEY, REENA M. 3,188,938
VARMAN, CHETNA 3,180,418
VAYWALA, CHINTAN MINESHKUMAR 3,188,632
VECTURA LIMITED 3,180,390
VELEZIS, NICHOLAS ARTHUR 3,180,382
VELIZ, JULIO CESAR 3,188,288
VELKER, NIKOLAY NIKOLAEVICH 3,180,585
VENKATAKRISHNAN, NATARAJAN 3,179,799
VENKATESAN, ARUN SRINIVASAN 3,180,728
VERCAUTEREN, RONNY LEONTINA MARCEL 3,180,391
VERMEULEN, PAUL ALEXANDER 3,180,234
VERSHININ, ALEXANDER 3,180,585
VETTER PHARMA-FERTIGUNG GMBH & CO. KG 3,180,194
VIBRA MASCHINENFABRIK SCHULTHEIS GMBH & CO. 3,180,000
VIEWPOINTE ARCHIVE SERVICES, LLC 3,180,023
VIIV HEALTHCARE COMPANY 3,180,526
VIIV HEALTHCARE COMPANY 3,180,544
VILLOSLADA, PABLO 3,180,300
VIR BIOTECHNOLOGY, INC. 3,180,477
VIRO-GEN (PTY) LTD 3,179,965
VIRUSTATIC LTD. 3,179,662
VISVANATHAN, SUDHA 3,188,382
VIVO MOBILE COMMUNICATION CO., LTD. 3,188,749
VIVORI, MARISSA 3,180,720
VOCHILL LLC 3,179,642
VOCK, MICHAEL 3,188,297
VOGAN, PATRICK 3,180,681
VOLKERINK, HENDRIK J. 3,179,997
VOORBERG, JOHANNES JACOBUS 3,179,894
VOORSLUYS, MARIO HENRIQUE 3,188,583
VORONOI INC. 3,180,295
VORONOIBIO INC. 3,180,295
VOSS, PETER ANDREW 3,179,977
VRAZIC, IGOR 3,180,767
VROEGE, NORBERT PETER 3,180,431
VUKICH, ADAM 3,188,658
W.L. GORE & ASSOCIATES, INC. 3,179,970
WADA, MASAYUKI 3,180,750
WAINER, JACOB 3,188,904
WALD, NATHAN 3,188,512
WALKER, MIRANDA 3,180,017
WALKER, SIMON 3,180,784
WALSH, DANA M. 3,179,613
WALSH, RYAN 3,179,624
WALTER, DARYL SIMON 3,188,308
WANDEL, STEN 3,180,885

WANG, DAVID 3,188,746
WANG, GAOWU 3,180,363
WANG, GAOWU 3,180,368
WANG, GAOWU 3,180,374
WANG, HAISHENG 3,188,639
WANG, JIANSHENG 3,180,742
WANG, JUNFENG 3,136,557
WANG, JUNLONG 3,180,352
WANG, LIANG 3,180,352
WANG, LING 3,188,566
WANG, LINLIN 3,180,690
WANG, NATHANIEL STEPHEN 3,188,801
WANG, NIANSHUANG 3,180,554
WANG, PENG 3,188,745
WANG, PILIN 3,188,566
WANG, XIAOMEI 3,179,791
WANG, XIAOQI 3,181,767
WANG, XIAOXIAO 3,188,566
WANG, XINYUAN 3,188,569
WANG, XINYUE 3,180,347
WANG, XUE 3,179,893
WANG, YAOLIN 3,179,791
WANG, YE-KUI 3,179,644
WANG, YUTING 3,180,018
WARCHOL, TADEUSZ 3,179,596
WARNER, ANDREW JOSEPH 3,188,752
WARNER, ANDREW JOSEPH 3,188,756
WASZKOWYCZ, BOHDAN 3,180,084
WATANABE, TOMOYA 3,189,009
WATANABE, YUJI 3,180,848
WATER, JORRIT JEROEN 3,188,904
WATERS, DAVID 3,179,813
WATERS, DAVID 3,179,943
WATSON, MORAG 3,188,922
WAYNE FUELING SYSTEMS, LLC 3,180,012
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 3,179,803
WEAVE GRID, INC. 3,188,838
WEBBER, JOHN THOMAS 3,188,274
WEICHMANN, FRANZISKA 3,180,707
WEIDEMAIER, KRISTIN 3,179,838
WEINER, EVAN 3,188,816
WEISE, CHRISTIAN FREDERIK 3,180,682
WELKER, MATTHIAS 3,179,615
WELKER, MATTHIAS 3,179,636
WELLHOUSE, ANDREA 3,180,876
WELLS, ANDREAS 3,180,885
WELLS, CHRISTIAN 3,179,829
WELLS, JAMES 3,180,348
WELLS, OWEN 3,188,660
WEST VIRGINIA UNIVERSITY BOARD OF GOVERNORS ON BEHALF OF WEST VIRGINIA UNIVERSITY 3,180,257
WESTERMANN, JAN-CHRISTOPH 3,180,079
WESTERMANN, JAN-CHRISTOPH 3,180,084
WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER 3,179,982
WESTFALISCHE WILHELMS-UNIVERSITAT MUNSTER 3,180,119
WETA DIGITAL LIMITED 3,180,547
WHELAN, KEVIN 3,188,610
WHITED, STEPHANIE M. 3,180,432
WIAB WATER INNOVATION AB 3,188,917
WIDMER, MARKUS 3,180,061
WIEGMAN, PETER IMMANUEL 3,188,828
WIEGMAN, PETER IMMANUEL 3,188,829
WIELICZKO, JOEL D. 3,180,272
WIELICZKO, JOEL D. 3,180,432
WIETHOLTER, ADAM 3,188,514
WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD. 3,180,664
WILEY, BENJAMIN J. 3,184,738
WILKINSON, IAN 3,179,582
WILL, SUSANNE 3,188,274
WILLEMANN ROGERIO, JAQUELINE 3,183,862
WILLETT, FRANCIS ROBERT 3,188,766
WILLEY, PETER M. 3,180,247
WILLIAMS, BEN C. 3,188,513
WILLIAMS, DANIEL A. 3,188,650
WILLIAMSON, ALEXANDER 3,180,432
WILSON, BRIDGETTE 3,188,610
WILSON, IAN A. 3,188,348
WILSON, JONATHAN E. 3,179,627
WIMMER, MICHAEL 3,180,464
WINDMILLER, JOSHUA RAY 3,188,761
WINKEL, YANN 3,180,511
WINKELNKEMPER, MOMME 3,179,621
WINN-DEEN, EMILY SUSAN 3,188,377
WIPPERMAN, MATTHEW F. 3,179,619
WISCHIK, CLAUDE MICHEL 3,188,937
WITTE, LINA AURORA 3,188,274
WITTEKIND, MICHAEL 3,180,716
WITTROCK, SVEN 3,188,308
WOHLSTADTER, JACOB N. 3,188,297
WOLFE, JOHN A. 3,180,604
WOLFF, TOM 3,180,718
WOLLAN, HAAVARD 3,188,574
WONG, GREG 3,179,850
WONG, GREG 3,179,851
WONG, GREG 3,179,852
WONG, GREG 3,179,854
WONG, GREG 3,179,855
WONG, GREG 3,179,856
WONG, GREG 3,179,858
WONG, YUN HUI 3,180,206
WOOD, LOWELL L. 3,180,266
WOODS, BRADLEY DAVID 3,179,781
WOODY, AARON 3,188,513
WOOLARD, DEREK 3,179,572
WOOLSEY PHARMACEUTICALS, INC. 3,180,411
WOOLSEY PHARMACEUTICALS, INC. 3,180,436
WORKMAN, MICHAEL 3,179,779
WRAPP, DANIEL 3,180,554
WRIGHT, JASON BOKE 3,180,219
WU, JIAN 3,180,623
WU, LIANGXING 3,188,639
WU, RAN 3,180,453
WU, XINYUE 3,188,582
WU, XUEFANG 3,179,619
WU, YOUZHI 3,180,623
WU, YUE 3,180,608
WU, YUEFENG 3,180,362
WU, YUSHENG 3,179,612
WU, YUSHENG 3,187,033
WUITSCHIK, GEORG 3,188,350
XIANG, ALAN X. 3,188,446
XIE, RUILONG 3,180,862
XIE, TIANPENG 3,180,729
XIE, YULI 3,180,664
XING, QINGTAO 3,136,557
XU, DAN 3,180,623
XU, JIE 3,188,350
XU, JUHUA 3,180,768
XU, MENG 3,180,620
XU, MENG 3,180,886
XU, QIHUA 3,179,838
XU, TING 3,188,566
XUE, BING 3,179,993
XUE, PENG 3,180,467
XUE, PENG 3,180,469
XUE, PENGHUI 3,180,352
Y-MABS THERAPEUTICS, INC. 3,180,690
YADAV, SAUMYA DILIP 3,180,399
YAGHOUBI, HOUMAN 3,180,150
YAGHOUBI, HOUMAN 3,180,315
YAMADA, KEITA 3,180,852
YAMAGUCHI, TAKAHIRO 3,188,563
YAMAJUKU, DAISUKE 3,180,470
YAMANE, TSUYOSHI 3,188,321
YAMASHITA, HIROFUMI 3,180,057
YAN, NIAN 3,179,979
YANCOPOULOS, GEORGE D. 3,179,819
YANG, CHI 3,180,710
YANG, JUHONG 3,188,777
YANG, JUN 3,180,729
YANG, QUANLI 3,180,729
YANG, RONG 3,180,429
YANG, XUANMING 3,180,620
YANG, XUN 3,180,440
YANG, YANMEI 3,180,259
YANG, YONG 3,188,774
YANG, ZHANAO 3,180,269
YANG, ZUOXING 3,180,362
YAO, CHENYU 3,179,958
YAO, KE 3,188,576
YAO, VICKY 3,180,476
YAO, WENQING 3,188,639
YEDA RESEARCH AND DEVELOPMENT CO. LTD. 3,188,559
YEH, WENDY 3,180,477
YELLICK, JASON 3,180,249
YERMAKOV, IHOR 3,180,131
YERMAKOV, IHOR 3,180,144
YEUNG, VALENTINE 3,180,251
YI, JINYIN 3,188,315

YIK, STEVEN 3,179,602
YIK, STEVEN 3,179,609
YING, JIANGWEI 3,180,259
YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD. 3,188,319
YIU, SAMUEL 3,188,311
YNSECT 3,180,054
YOAKIM, ALFRED 3,179,933
YONEDA, EMI 3,179,916
YOUN, HEWON 3,180,590
YOUNG, BRIAN W. 3,180,444
YOUNG, CORNELIUS 3,188,769
YOUNG, TRACY 3,180,251
YOUNGER, DAVID 3,180,716
YOUSSEF, SIMON F 3,180,479
YU, JIAN 3,180,440
YUAN, MINGJUN 3,179,813
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