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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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8. Intellectual Property Acts, Rules and Regulation

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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. 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

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 14, 2023 contains applications open to public inspection from January 29, 2023 to February 4, 2023.

15. Demandes canadiennes mises à la disponibilité du public

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

16. Erratum

All information respecting patent application number 3,041,290 referred to under the section *PCT Applications Entering the National Phase* contained in the Vol. 147, No. 20, May 14, 2019, issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3, 041, 290 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro vol. 147, no. 20, 14 mai 2019, de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

February 14, 2023

Brevets canadiens délivrés

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[54] **SYSTEME DE GENERATION DE VAPEUR A CONTACT INDIRECT**
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[54] **POLYNUCLEOTIDES POUR LA TRANSFORMATION D'UN PLASTE EN CELLULE VEGETALE ET POUR LA PRODUCTION D'UNE CELLULE OU D'UN VEGETAL CONTENANT LE PLASTE TRANSFORME, DE MEME QUE LA METHODE CONNEXE**
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[54] **METHODS AND DEVICES FOR REDUCING TRANSFUSIONS DURING OR AFTER SURGERY AND FOR IMPROVING QUALITY OF LIFE AND FUNCTION IN CHRONIC DISEASE**
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[54] **ACIDES NUCLEIQUES SE LIANT AU SDF-1 ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] PURSCHKE, WERNER, DE
[72] JAROSCH, FLORIAN, DE
[72] EULBERG, DIRK, DE
[72] KLUSSMANN, SVEN, DE
[72] BUCHNER, KLAUS, DE
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[72] LORIOT, NICOLAS, FR
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[73] CASSIDIAN CYBERSECURITY SAS, FR
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[72] LINDHOUT, DARRIN ANTHONY, US
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[72] MORGAN, FREDERICK M., US
[73] OSRAM SYLVANIA INC., US
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[54] **COMPOSITIONS ET UTILISATIONS DE MATERIAUX ANTIMICROBIENS AYANT DES PROPRIETES COMPATIBLES AVEC UN TISSU**
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[54] **COMPOSITIONS DE PROMEDICAMENT A FORTE PENETRATION ET COMPOSITION PHARMACEUTIQUE ASSOCIEE POUR LE TRAITEMENT D'AFFECTIONS PULMONAIRES**
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[54] **APPAREIL ET PROCEDE AMELIORES VISANT A AMELIORER L'APPLICATION D'AMMONIAC ANHYDRE EN CHAMP PAR TEMPS FROID**
[72] FORSYTH, DANIEL L., US
[73] FORSYTH, DANIEL L., US
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[25] EN
[54] **METHODS AND APPARATUS TO IDENTIFY A COMMUNICATION PROTOCOL BEING USED IN A PROCESS CONTROL SYSTEM**
[54] **PROCEDES ET APPAREIL POUR IDENTIFIER UN PROTOCOLE DE COMMUNICATION QUI EST UTILISE DANS UN SYSTEME DE COMMANDE DE TRAITEMENT**
[72] LIU, XUEDONG, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATED SOLUTIONS, US
[85] 2014-10-31
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[54] **DOSE MEASUREMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MESURE DE DOSE**
[72] WHALLEY, RICHARD, US
[72] WHITE, JAMES, US
[73] BIGFOOT BIOMEDICAL, INC., US
[85] 2014-11-20
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[54] **NEW RELEASE SYSTEM OF HYDROPHOBIC PROTEINS**
[54] **NOUVEAU SYSTEME DE LIBERATION DE PROTEINES HYDROPHOBES**
[72] CAMPISI, MONICA, IT
[72] GUARISE, CRISTIAN, IT
[72] RENIER, DAVIDE, IT
[73] FIDIA FARMACEUTICI S.P.A., IT
[85] 2014-11-27
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[25] EN
[54] **STATE BASED DUMP LOCATION DETERMINATION**
[54] **DETERMINATION DE SITE DE DECHARGE EN FONCTION DE L'ETAT**
[72] KAPALKO, RICHARD, AU
[73] DASSAULT SYSTEMES AUSTRALIA PTY LTD, AU
[86] (2875368)
[87] (2875368)
[22] 2014-12-19
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[25] EN
[54] **CAPSULE AND BREWING SYSTEM WITH ADAPTABLE SEALING ELEMENT**
[54] **CAPSULE ET SYSTEME D'INFUSION COMPRENANT UN ELEMENT D'ETANCHEITE ADAPTABLE**
[72] DOGLIONI MAJER, LUCA, IT
[73] TUTTOESPRESSO S.R.L., IT
[85] 2015-01-12
[86] 2013-07-01 (PCT/EP2013/063873)
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[25] EN
[54] **MODIFIED RNAI AGENTS**
[54] **AGENTS CONSTITUES D'ARNI MODIFIE**
[72] RAJEEV, KALLANTHOTTATHIL G., US
[72] MANOHANRAN, MUTHIAH, US
[73] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2015-01-20
[86] 2013-08-02 (PCT/US2013/053346)
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[25] EN
[54] **OUTDOOR SHOE, IN PARTICULAR CLIMBING OR HIKING SHOE**
[54] **CHAUSSURE D'EXTERIEUR, NOTAMMENT CHAUSSURE D'ESCALADE OU DE MARCHE**
[72] FRIEDL, JOHANN, AT
[73] FENIX OUTDOOR AB, SE
[86] (2880630)
[87] (2880630)
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[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING PIPELINE QUALITY NATURAL GAS**
[54] **METHODE ET SYSTEME DE PRODUCTION DE GAZ NATUREL DE QUALITE PIPELINE**
[72] LIEN, LARRY, US
[73] LIEN, LARRY, US
[86] (2880870)
[87] (2880870)
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[25] FR
[54] **DIAGNOSTIC METHOD FOR A SINGLE- OR DOUBLE-FLOW VENTILATION SYSTEM AND ASSOCIATED VENTILATION ASSEMBLY**
[54] **PROCEDE DE DIAGNOSTIC D'UN ENSEMBLE DE VENTILATION A SIMPLE FLUX OU DOUBLE FLUX ET ENSEMBLE DE VENTILATION ASSOCIE**
[72] BUSEYNE, SERGE, FR
[72] LABAUME, DAMIEN, FR
[73] ALDES AERAULIQUE, FR
[86] (2881360)
[87] (2881360)
[22] 2015-02-06
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[25] EN
[54] **ADJUSTMENT OF A TRAFFIC SIGNAL CONTROL PLAN BASED ON LOCAL ENVIRONMENTAL CONDITIONS**
[54] **REGLAGE DE PLAN DE CONTROLE DE SIGNAL DE CIRCULATION FONDE SUR LES CONDITIONS ENVIRONNEMENTALES LOCALES**
[72] COLLUM, BRIAN, US
[72] COLLAR, BENJAMIN, US
[73] YUNEX LLC, US
[86] (2882990)
[87] (2882990)
[22] 2015-02-25
[30] US (14/192,276) 2014-02-27

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[51] **Int.Cl. G01N 27/72 (2006.01)**
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[54] **METHOD FOR MONITORING THE OPERATION OF A METAL DETECTION SYSTEM AND METAL DETECTION SYSTEM**
[54] **METHODE DE SURVEILLANCE DU FONCTIONNEMENT D'UN DISPOSITIF DE DETECTION DE METAL ET DISPOSITIF DE DETECTION DE METAL**
[72] MCADAM, STEPHEN, GB
[73] METTLER-TOLEDO SAFELINE LTD., GB
[86] (2883984)
[87] (2883984)
[22] 2015-03-04
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[54] **SAW ASSEMBLY WITH BEVEL GEAR DRIVETRAIN**
[54] **DISPOSITIF DE SCIE DOTE D'UN MECANISME D'ENTRAINEMENT DE COUPLE CONIQUE**
[72] MORENO, JAIME, US
[72] WASIELEWSKI, KEVIN, US
[72] CASTRO, ARTURO, MX
[72] BRANKER, PHILIP, US
[73] ROBERT BOSCH TOOL CORPORATION, US
[73] ROBERT BOSCH GMBH, DE
[86] (2886733)
[87] (2886733)
[22] 2015-03-31
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[51] **Int.Cl. A61K 38/16 (2006.01) A61P 25/00 (2006.01) C07K 14/52 (2006.01)**
[25] EN
[54] **NOVEL METHOD FOR TREATING SPINAL CORD INJURY USING HMGB1 FRAGMENT**
[54] **NOUVEAU PROCEDE DE TRAITEMENT D'UNE LESION DE LA MOELLE EPINIERE A L'AIDE D'UN FRAGMENT HMGB1**
[72] TAMAI, KATSUTO, JP
[72] YAMAZAKI, TAKEHIKO, JP
[72] CUI, WENHAO, JP
[73] OSAKA UNIVERSITY, JP
[73] STEMRIM INC., JP
[85] 2015-04-23
[86] 2013-10-24 (PCT/JP2013/078759)
[87] (WO2014/065348)
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[25] EN
[54] **LONG-ACTING SINGLE-CHAIN INSULIN ANALOGUES**
[54] **ANALOGUES D'INSULINE A CHAINE UNIQUE A LONGUE ACTION**
[72] WEISS, MICHAEL, US
[73] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2015-05-05
[86] 2013-11-05 (PCT/US2013/068585)
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[25] EN
[54] **MAGNESIUM-CONTAINING LUBRICATING OIL COMPOSITIONS FOR REDUCING LOW SPEED PRE-IGNITION (LSPI)**
[54] **COMPOSITIONS D'HUILE DE LUBRIFICATION CONTENANT DU MAGNESIUM POUR REDUIRE LE PREDEMARRAGE BASSE VITESSE (LSPI)**
[72] RITCHIE, ANDREW J. D., US
[72] BOESE, DOYLE H., US
[72] GUTIERREZ, JOSE A., US
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2890781)
[87] (2890781)
[22] 2015-04-29
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[25] EN
[54] **REMOTE SENSING OF HUMAN BREATHING AT A DISTANCE**
[54] **TELEDETECTION DE RESPIRATION HUMAINE**
[72] MABROUK, MOHAMED, EG
[72] RAJAN, SREERAMAN, CA
[72] BOLIC, MIODRAG, CA
[72] DAJANI, HILMI, CA
[72] GROZA, VOICU, CA
[72] BATKIN, IZMAIL, CA
[73] UNIVERSITY OF OTTAWA, CA
[86] (2891839)
[87] (2891839)
[22] 2015-05-15
[30] US (61/994,408) 2014-05-16

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[51] **Int.Cl. G01B 9/02091 (2022.01) H01S 5/183 (2006.01)**
[25] EN
[54] **OCT SYSTEM WITH BONDED MEMS TUNABLE MIRROR VCSEL SWEPT SOURCE**
[54] **SYSTEME OCT AVEC SOURCE A BALAYAGE VCSEL REGLABLE PAR MEMS LIE**
[72] FLANDERS, DALE C., US
[72] KUZNETSOV, MARK E., US
[72] ATIA, WALID A., US
[72] JOHNSON, BARTLEY C., US
[73] EXCELITAS TECHNOLOGIES CORP., US
[85] 2015-05-19
[86] 2013-12-20 (PCT/US2013/076866)
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[25] EN
[54] **BISPECIFIC ANTIBODY**
[54] **ANTICORPS BISPECIFIQUES**
[72] ZHOU, PENGFEI, CN
[72] ZHANG, JING, CN
[72] YAN, YONGXIANG, CN
[73] WUHAN YZY BIOPHARMA CO., LTD., CN
[85] 2015-05-20
[86] 2012-11-21 (PCT/CN2012/084982)
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[25] EN
[54] **CANNULA FOR MINIMIZING DILUTION OF DOSING DURING NITRIC OXIDE DELIVERY**
[54] **CANULE POUR REDUIRE AU MINIMUM LA DILUTION DE DOSAGE PENDANT L'ADMINISTRATION DE MONOXYDE D'AZOTE**
[72] FLANAGAN, CRAIG, US
[72] FREED, SIMON, US
[72] KLAUS, JOHN, US
[72] KOHLMANN, THOMAS, US
[72] MEGLASSON, MARTIN D., US
[72] NAIDU, MANESH, US
[72] SHAH, PARAG, US
[73] MALLINCKRODT HOSPITAL PRODUCTS IP LIMITED, IE
[85] 2015-05-21
[86] 2013-12-04 (PCT/US2013/073082)
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[30] US (61/733,134) 2012-12-04
[30] US (61/784,238) 2013-03-14
[30] US (61/856,367) 2013-07-19

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[25] EN
[54] **CHLORIN DERIVATIVE USEFUL IN PHOTODYNAMIC THERAPY AND DIAGNOSIS**
[54] **DERIVE DE CHLORINE UTILE DANS LA THERAPIE ET LE DIAGNOSTIC PHOTODYNAMIQUES**
[72] CHO, HONSUE, AU
[73] RMW CHO GROUP LIMITED, CN
[85] 2015-06-12
[86] 2013-12-13 (PCT/GB2013/053285)
[87] (WO2014/091241)
[30] GB (1222544.7) 2012-12-14
[30] GB (1309337.2) 2013-05-23

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[51] **Int.Cl. B60S 9/14 (2006.01) B60S 9/22 (2006.01)**
[25] EN
[54] **HEIGHT EXTENDER FOR CONTROL ARM SKATE**
[54] **RALLONGE DE HAUTEUR POUR PATIN DE BRAS DE REGLAGE**
[72] POYNTER, JAMES RODNEY, US
[73] POYNTER, JAMES RODNEY, US
[86] (2895006)
[87] (2895006)
[22] 2015-06-19
[30] US (62/014,758) 2014-06-20
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[25] EN
[54] **IN-FLIGHT RESTART SYSTEM AND METHOD FOR FREE TURBINE ENGINE**
[54] **DISPOSITIF DE REDEMARRAGE EN VOL ET METHODE DESTINEE A UNE TURBINE LIBRE**
[72] PERKINSON, ROBERT H., US
[72] ULLYOTT, RICHARD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2896799)
[87] (2896799)
[22] 2015-07-09
[30] US (14/466,197) 2014-08-22

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[13] C
[51] **Int.Cl. A61K 41/00 (2020.01) B82Y 5/00 (2011.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INORGANIC NANOPARTICLES COMPOSITIONS IN COMBINATION WITH IONIZING RADIATIONS FOR TREATING CANCER**
[54] **COMPOSITIONS DE NANOPARTICULES INORGANIQUES COMBINEES A DES RAYONNEMENTS IONISANTS POUR LE TRAITEMENT DU CANCER**
[72] BORGHI, ELSA, FR
[72] LEVY, LAURENT, FR
[72] POTTIER, AGNES, FR
[73] NANOBIOTIX, FR
[85] 2015-07-07
[86] 2014-01-24 (PCT/EP2014/051367)
[87] (WO2014/114732)
[30] EP (13305087.2) 2013-01-25
[30] US (61/756,533) 2013-01-25

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[25] EN
[54] **EDIBLE WATER-SOLUBLE FILM**
[54] **FILM SOLUBLE DANS L'EAU COMESTIBLE**
[72] LEE, DAVID M., US
[72] CHILDERS, JENNIFER L., US
[73] MONOSOL, LLC, US
[85] 2015-07-08
[86] 2014-01-10 (PCT/US2014/011023)
[87] (WO2014/110356)
[30] US (13/740,053) 2013-01-11

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[25] EN
[54] **PRESSURE CONTROL FOR HYDRAULICALLY ACTUATED AGRICULTURAL HEADERS**
[54] **COMMANDE A PRESSION POUR ANDAINEUR ACTIONNE HYDRAULIQUEMENT**
[72] TEACH, KYLE R., US
[72] NICHOLS, THOMAS A., US
[72] WRIGHT, WALTER C., US
[72] ROTOLE, DAVID V., US
[73] DEERE & COMPANY, US
[86] (2898399)
[87] (2898399)
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[25] EN
[54] **DEVICE AND METHOD FOR REAL-TIME DETECTION OF AEROPATHOGENS**
[54] **DISPOSITIF ET METHODE DE DETECTION EN TEMPS REEL D'AEROPATHOGENES**
[72] MARCHAND, NORMAN, CA
[72] GRAZIANO, CARMINE, CA
[73] AEROVIRUS TECHNOLOGIES INC., CA
[86] (2898714)
[87] (2898714)
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[51] **Int.Cl. G01R 31/303 (2006.01) H01L 21/66 (2006.01)**
[25] EN
[54] **CIRCUIT TRACING USING A FOCUSED ION BEAM**
[54] **TRACAGE DE CIRCUIT AU MOYEN D'UN FAISCEAU IONIQUE CONCENTRE**
[72] PAWLOWICZ, CHRISTOPHER, CA
[72] SORKIN, ALEXANDER, CA
[72] KRECHMER, ALEXANDER, CA
[73] TECHINSIGHTS INC., CA
[86] (2898767)
[87] (2898767)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTI-FLT-1 ANTIBODIES IN TREATING DUCHENNE MUSCULAR DYSTROPHY**
[54] **ANTICORPS ANTI-FLT-1 DANS LE TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE DE DUCHENNE**
[72] JOSIAH, SERENE, US
[72] LUBY, THOMAS M., US
[72] ASAKURA, ATSUSHI, US
[72] KEEFE, DENNIS, US
[72] CHARNAS, LAWRENCE, US
[72] MAYANK, VERMA, US
[73] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[87] (WO2014/117160)
[30] US (61/757,571) 2013-01-28

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[51] **Int.Cl. H01Q 9/04 (2006.01) H01Q 1/38 (2006.01)**
[25] EN
[54] **META-MATERIAL RESONATOR ANTENNAS**
[54] **ANTENNES A RESONATEUR A BASE DE META-MATERIAUX**
[72] RASHIDIAN, ATABAK, CA
[72] KLYMYSHYN, DAVID, CA
[72] TAYFEH ALIGODARZ, MOHAMMADREZA, CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
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[25] EN
[54] **ENDOPHYTIC MICROBIAL SYMBIONTS IN PLANT PRENATAL CARE**
[54] **SYMBIOTES MICROBIENS ENDOPHYTES EN SOIN PRENATAL DES PLANTES**
[72] VUJANOVIC, VLADIMIR, CA
[72] GERMIDA, JAMES J., CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2015-07-30
[86] 2013-02-05 (PCT/CA2013/000091)
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[51] **Int.Cl. G07C 5/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **NORMALIZING PERFORMANCE DATA ACROSS INDUSTRIAL VEHICLES**
[54] **NORMALISATION DE DONNEES DE PERFORMANCE SUR DES VEHICULES INDUSTRIELS**
[72] DE OLIVEIRA, SERGIO SCHULTE, US
[72] PURRENHAGE, BENJAMIN J., US
[72] SWIFT, PHILIP W., US
[73] CROWN EQUIPMENT CORPORATION, US
[85] 2015-08-05
[86] 2014-03-14 (PCT/US2014/028567)
[87] (WO2014/144240)
[30] US (61/800,071) 2013-03-15

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[13] C
[51] **Int.Cl. A23C 9/154 (2006.01) A23L 23/00 (2016.01) A23L 29/212 (2016.01) A23L 29/244 (2016.01) A23C 9/137 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS CONTAINING A MODIFIED WAXY CASSAVA STARCH**
[54] **PRODUITS ALIMENTAIRES RENFERMANT UN AMIDON DE MANIOC CIREUX MODIFIE**
[72] HANCHETT, DOUGLAS J., US
[72] ODORISIO, CHRISTINA, US
[73] CORN PRODUCTS DEVELOPMENT, INC., BR
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[54] **FIBREGLASS BIN AND WASTE INCINERATION METHOD**
[54] **PANIER EN FIBRE DE VERRE ET PROCEDE D'INCINERATION DE DECHETS**
[72] BOEN, ROGER, FR
[72] CHARVIN, PATRICE, FR
[73] ORANO RECYCLAGE, FR
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[54] **LENS SYSTEM FOR PRESBYOPES WITH INTER-EYE DISPARITY LIMITS**
[54] **SYSTEME DE LENTILLES POUR PRESBYTES DOTEES DE LIMITES DE DISPARITE ENTRE LES YEUX**
[72] WOOLEY, C. BENJAMIN, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
[86] (2901856)
[87] (2901856)
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[54] **FREEFORM LENS DESIGN AND METHOD FOR PREVENTING AND/OR SLOWING MYOPIA PROGRESSION**
[54] **MODELE DE LENTILLES A FORME LIBRE ET METHODE PERMETTANT DE PREVENIR OU DE RALENTIR LA PROGRESSION DE LA MYOPIE**
[72] BRENNAN, NOEL A., US
[72] CHEHAB, KHALED A., US
[72] CHENG, XU, US
[72] MOODY, KURT JOHN, US
[72] ROFFMAN, JEFFREY H., US
[72] WEI, XIN, US
[73] JOHNSON & JOHNSON VISION CARE, INC., US
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[54] **SYSTEMS FOR PATIENT SUPPORT SURFACE ORIENTATION AND DISPLACEMENT**
[54] **SYSTEMES D'ORIENTATION ET DE DEPLACEMENT D'UNE SURFACE DE SOUTIEN D'UN PATIENT**
[72] LACASSE, SYLVAIN, CA
[72] LAFLAMME, JIMMY, CA
[72] LEMIRE, GUY, CA
[72] BEAUDET, JEAN-PHILIPPE, CA
[72] MERCIER, GABRIEL, CA
[72] BERTHELOT, ESTHER, CA
[72] BOLDUC, STEVE, CA
[73] UMANO MEDICAL INC., CA
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[54] **STACKABLE MOLDED PLASTIC ROCKING CHAIR**
[54] **CHAISE BERCEUSE EMPILABLE EN PLASTIQUE MOULE**
[72] ADAMS, WILLIAM E., IV, US
[72] GOODWORTH, MATTHEW, US
[73] ADAMS MFG. CORP., US
[86] (2902150)
[87] (2902150)
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[54] **BOLUS WITH IMMEDIATE RELEASE**
[54] **BOLUS A LIBERATION IMMEDIATE**
[72] LAZA-KNOERR, ANCA L., FR
[72] BONTE, JULIEN, FR
[73] HY-NUTRITION, FR
[86] (2902322)
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[54] **COMBUSTION DRIVEN FASTENER HAND TOOL**
[54] **OUTIL MANUEL DE FIXATION ENTRAINE PAR COMBUSTION**
[72] WONG, RAYMOND, US
[72] CHEN, SHIH-YI, TW
[72] CHEN, CHIN-CHUAN, TW
[73] POWER TECH STAPLE AND NAIL, INC., US
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[54] **METHODS OF SYNTHESIZING A DIFLUOROLACTAM ANALOG**
[54] **PROCEDES DE SYNTHESE D'UN ANALOGUE DIFLUOROLACTAM**
[72] BARRETT, STEPHEN DOUGLAS, US
[72] COLOMBO, JOSEPH MICHAEL, US
[72] GERMAIN, BRADLEE DAVID, US
[72] KORNILOV, ANDRIY, US
[72] KRAMER, JAMES BERNARD, US
[72] UZIEBLO, ADAM, US
[73] CAYMAN CHEMICAL COMPANY, INC., US
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[54] **FLAME SIMULATING ASSEMBLY WITH FLICKER ELEMENT INCLUDING PADDLE ELEMENTS**
[54] **DISPOSITIF DE SIMULATION DE FLAMME DOTE D'UN ELEMENT DE SCINTILLEMENT COMPORTANT DES ELEMENTS DE PALE**
[72] GALLO, IGNAZIO, CA
[72] JACH, MICHAEL, CA
[72] HESS, KRISTOFFER, CA
[72] DUKES, JEFFREY, CA
[73] GLEN DIMPLEX AMERICAS LIMITED, CA
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[54] **SYSTEMS, METHODS, AND APPARATUSES FOR IMPLEMENTING DATA UPLOAD, PROCESSING, AND PREDICTIVE QUERY API EXPOSURE**
[54] **SYSTEMES, PROCEDES ET APPAREILS D'IMPLEMENTATION D'UN TELECHARGEMENT DE DONNEES, D'UN TRAITEMENT ET D'UNE EXPOSITION API D'INTERROGATION PREDICTIVE**
[72] CRONIN, BEAU DAVID, US
[72] OBERMEYER, FRITZ, US
[72] PETSCHULAT, CAP CHRISTIAN, US
[72] JONAS, ERIC MICHAEL, US
[72] GLIDDEN, JONATHAN, US
[73] SALESFORCE.COM, INC., US
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[54] **PLANT-BASED COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS A BASE DE PLANTES ET LEURS UTILISATIONS**
[72] REHAGE, PETER, US
[73] GREENSTRACT, LLC, US
[85] 2015-09-08
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[54] **COMPOSITIONS AND METHODS FOR USE OF RECOMBINANT T CELL RECEPTORS FOR DIRECT RECOGNITION OF TUMOR ANTIGEN**
[54] **COMPOSITIONS ET PROCEDES POUR L'UTILISATION DE RECEPTEURS DE LYMPHOCYTES T RECOMBINANTS POUR LA RECONNAISSANCE DIRECTE D'UN ANTIGENE TUMORAL**
[72] ODUNSI, KUNLE, US
[72] MATSUZAKI, JUNKO, US
[72] TSUJI, TAKEMASA, US
[73] HEALTH RESEARCH, INC., US
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[54] **APPARATUS AND SYSTEM FOR CERAMIC MATRIX COMPOSITE ATTACHMENT**
[54] **APPAREIL ET SYSTEME POUR LIAISON DE COMPOSITE DE MATRICE CERAMIQUE**
[72] WEAVER, MATTHEW MARK, US
[72] HILE, MICHAEL ALAN, US
[72] ALBERS, KATHLEEN ELIZABETH, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **SOFT BATH TISSUES HAVING LOW WET ABRASION AND GOOD DURABILITY**
[54] **PAPIER HYGIENIQUE SOUPLE AYANT UNE FAIBLE ABRASION HUMIDE ET UNE BONNE DURABILITE**
[72] DWIGGINS, JOHN H., US
[72] SUMNICHT, DANIEL W., US
[73] GPCP IP HOLDINGS LLC, US
[85] 2015-09-16
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[54] **SYSTEMES DE PANNEAUX ENCAPSULES**
[72] ZETTELL, ADRIAN WILLIAM, US
[73] THE DRAGON GROUP, LLC, US
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[54] **USE OF AN IL17 INHIBITOR FOR TREATING AND PREVENTING MACULAR DEGENERATION**
[54] **UTILISATION D'INHIBITEUR DE L'IL17 POUR TRAITER ET PREVENIR LA DEGENERESCENCE MACULAIRE**
[72] WADSWORTH, SAMUEL, US
[72] SCARIA, ABRAHAM, US
[72] CHAN, CHI-CHAO, US
[73] GENZYME CORPORATION, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[54] **PROTECTIVE HEADWEAR**
[54] **CASQUE DE PROTECTION**
[72] ALBERTELLI, ALDINO, GB
[72] CIONI, RICCARDO, IT
[73] ACELL INDUSTRIES LIMITED, IE
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[54] **TRANSFORMATIONS DE COULEUR ADAPTATIVES POUR CODAGE VIDEO**
[72] KIM, WOO-SHIK, US
[72] SOLE ROJALS, JOEL, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED, US
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[54] **CIRCUIT BREAKERS WITH MOVING CONTACT ARM WITH SPACED APART CONTACTS**
[54] **DISJONCTEURS DOTES D'UN BRAS DE CONTACTS MOBILES EQUIPE DE CONTACTS ESPACES**
[72] MALONEY, JAMES GERARD, US
[72] BETANCES SANSUR, LUIS ENRIQUE, DO
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2913966)
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[54] **ANTI-C10ORF54 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-C10ORF54 ET LEURS UTILISATIONS**
[72] LIPPINCOTT, JOHN, US
[72] VAN DER HORST, EDWARD THEIN HTUN, US
[72] KIM, SUN YOUNG, US
[72] PRESTA, LEONARD G., US
[73] PIERRE FABRE MEDICAMENT, FR
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[54] **PACKAGING MACHINE WITH A MAGNETIC MOVERS CONVEYOR**
[54] **MACHINE DE CONDITIONNEMENT DOTEE D'UNE BANDE DE TRANSPORT A ELEMENTS DE DEPLACEMENT MAGNETIQUES**
[72] BELLANTE, DANIELE, IT
[73] CAMA1 S.P.A., IT
[86] (2916675)
[87] (2916675)
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[54] **HYDROXYL-CONTAINING POLY(ALKYLENE PHOSPHATES)**
[54] **PHOSPHATES DE POLYALKYLENE RENFERMANT DE L'HYDROXYL**
[72] HANSEL, JAN-GERD, DE
[72] TEBBE, HEIKO, DE
[72] WITTPAHL, MICHAEL, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[86] (2916717)
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[54] **SYSTEM AND METHOD FOR MINIMIZING MAGNETIC FIELD EFFECT ON AN ISOLATED MAGNETOMETER**
[54] **SYSTEME ET METHODE DE REDUCTION DE L'EFFET DU CHAMP MAGNETIQUE SUR UN MAGNETOMETRE ISOLE**
[72] DINH, NGHIA T., US
[73] ROSEMOUNT AEROSPACE, INC., US
[86] (2917306)
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[54] **AT-BIT DOWNHOLE SENSOR AND TRANSMITTER**
[54] **CAPTEUR DE FOND DE TROU DISPOSE AU TREPAN ET EMETTEUR**
[72] BRAISHER, STEVE, CA
[72] EDLER, KARL, CA
[72] KANKA, MARTIN, CA
[73] PULSE DIRECTIONAL TECHNOLOGIES, INC., CA
[86] (2920089)
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[54] **PACKETIZED CONTENT DELIVERY APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES DE DISTRIBUTION DE CONTENU EN PAQUETS**
[72] PANAGOS, JAMES, US
[72] FORBES, JASON, US
[72] SPENCER, JEREMY, US
[73] TIME WARNER CABLE ENTERPRISES LLC, US
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[54] **HANDHELD PORTABLE MAGNETIZER DEVICE, SYSTEM, AND METHOD**
[54] **DISPOSITIF MAGNETISEUR PORTABLE A MAIN, SYSTEME ET METHODE**
[72] KOREN, TRYGVE, US
[73] MAGNUM MAGNETICS CORPORATION, US
[86] (2922385)
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[54] **BUFFER-LESS VIRTUAL ROUTING**
[54] **ROUTAGE VIRTUEL SANS TAMPON**
[72] SELLA, WILLIAM THOMAS, US
[72] SELLA, JAMES MICHAEL, US
[73] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2016-02-25
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[54] **METHODS AND TOOLS RELATING TO THE ADMINISTRATION OF CONTRAST MEDIUM**
[54] **PROCEDES ET OUTILS RELATIFS A L'ADMINISTRATION D'UN MILIEU DE CONTRASTE**
[72] COUDYZER, WALTER, BE
[73] MEDICOR INTERNATIONAL NV, BE
[85] 2016-02-29
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[25] EN
[54] **CYCLOALKYL ACID DERIVATIVE, PREPARATION METHOD THEREOF, AND PHARMACEUTICAL APPLICATION THEREOF**
[54] **DERIVE D'ACIDE CYCLOALKYLIQUE, PROCEDE DE PREPARATION ET UTILISATION PHARMACEUTIQUE DE CELUI-CI**
[72] PENG, JIANBIAO, CN
[72] SUN, PIAOYANG, CN
[72] LAN, JIONG, CN
[72] GU, CHUNYAN, CN
[72] LI, XIAOTAO, CN
[72] LIU, BONIAN, CN
[72] HAN, CHUNZHOU, CN
[72] HU, QIYUE, CN
[72] JIN, FANGFANG, CN
[72] DONG, QING, CN
[72] CAO, GUOQING, CN
[73] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[73] JIANGSU HENGRUI MEDICINE CO., LTD., CN
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[25] EN
[54] **BISPECIFIC NANOBODIES**
[54] **NANOCORPS BISPECIFIQUES**
[72] ROOBROUCK, ANNELIES, BE
[72] STORTELERS, CATELIJNE, BE
[72] CONDE, MIGUEL, BE
[72] STAELENS, STEPHANIE, BE
[72] SOARES, HUGO, PT
[72] SCHOLS, DOMINIQUE, BE
[72] VANLANDSCHOOT, PETER, BE
[73] ABLYNX NV, BE
[85] 2016-03-22
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[25] EN
[54] **SOLID COMPOSITIONS BASED ON MINERALS AND ORALLY DISINTEGRATING FORMULATIONS CONTAINING THE SAME**
[54] **COMPOSITIONS SOLIDES COMPRENANT DES MINERAUX, ET FORMULATIONS A DESINTEGRATION ORALE LES CONTENANT**
[72] LACORTE, ANDREA, IT
[72] TARANTINO, GERMANO, IT
[72] LAZZARINI, GIANNI, IT
[73] ALESCO S.R.L., IT
[85] 2016-03-23
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[25] EN
[54] **BINDING MOIETIES FOR BIOFILM REMEDIATION**
[54] **FRACTIONS DE LIAISON POUR DISSOLUTION DE BIOFILMS**
[72] KAUVAR, LAWRENCE M., US
[72] RYSER, STEFAN, US
[72] ESTELLES, ANGELES, US
[72] SIMON, REYNA J., US
[72] OPREMCAK BAKALETZ, LAUREN, US
[72] GOODMAN, STEVEN DAVID, US
[73] TRELLIS BIOSCIENCE, LLC, US
[85] 2016-03-24
[86] 2014-09-26 (PCT/US2014/057771)
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[30] US (61/926,828) 2014-01-13

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[51] **Int.Cl. C12N 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR CULTIVATING CELLS IN ADHESION CULTURE USING A CELL CULTURE CARRIER IN CAPSULE FORM, AS WELL AS CELL CULTURE CARRIER THEREFOR**
[54] **PROCEDE POUR LA CULTURE DE CELLULES DANS UNE CULTURE SELON LA METHODE DE LA GOUTTE PENDANTE EN UTILISANT UN SUPPORT POUR CULTURE CELLULAIRE SOUS FORME DE CAPSULE ET SUPPORT DE CUL TURE POUR CE PROCEDE**
[72] RAPOPORT, DANIEL HANS, DE
[72] VOIGT, MIRIAM, DE
[72] WALTER, CHARLOTTE, DE
[73] CELLTEC SYSTEMS GMBH, DE
[85] 2016-03-29
[86] 2014-09-22 (PCT/EP2014/002567)
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[51] **Int.Cl. H02J 7/02 (2016.01) H02M 3/155 (2006.01)**
[25] EN
[54] **TRANSFORMERLESS ON-SITE GENERATION**
[54] **GENERATION SUR SITE SANS TRANSFORMATEUR**
[72] SHOWALTER, GEOFREY, US
[72] SANCHEZ, JUSTIN, US
[73] DE NORA HOLDINGS US, INC., US
[85] 2016-03-31
[86] 2013-10-07 (PCT/US2013/063743)
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[30] US (61/710,468) 2012-10-05

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[51] **Int.Cl. D21H 21/18 (2006.01) D21H 17/00 (2006.01)**
[25] EN
[54] **DIALDEHYDE MODIFIED ACRYLAMIDE TYPE POLYMER AND METHOD FOR PREPARING SAME**
[54] **POLYMERE DE TYPE ACRYLAMIDE A DIALDEHYDE MODIFIE ET SON PROCEDE DE PREPARATION**
[72] ZHANG, MENG, CN
[72] ZHU, BO, CN
[72] ZHAO, YULIN, CN
[72] SHEN, JIAN KUN, CN
[72] XU, NA, CN
[73] ECOLAB USA INC., US
[85] 2016-03-31
[86] 2014-10-13 (PCT/US2014/060305)
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[30] CN (201310530004.6) 2013-10-31

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[51] **Int.Cl. A61B 18/00 (2006.01) A61B 5/24 (2021.01) A61B 5/00 (2006.01) A61B 18/02 (2006.01) A61B 18/04 (2006.01) A61B 18/12 (2006.01) A61M 25/00 (2006.01) A61M 25/10 (2013.01) A61M 31/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING CANCER AND/OR AUGMENTING ORGAN FUNCTION**
[54] **SYSTEMES ET METHODES DE TRAITEMENT DU CANCER ET/OU D'AUGMENTATION DE LA FONCTION D'UN ORGANE**
[72] TOTH, LANDY, US
[72] SCHWARTZ, ROBERT, US
[73] AUTONOMIX MEDICAL, INC., US
[85] 2016-03-31
[86] 2014-10-14 (PCT/US2014/060471)
[87] (WO2015/057696)
[30] US (61/891,242) 2013-10-15
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[25] EN
[54] **A CYCLONIC SEPARATION ASSEMBLY HAVING A LOW RESIDENCE TIME PLENUM ARRANGED IN A FLUIDIZED BED REACTOR VESSEL**
[54] **ENSEMBLE DE SEPARATION CYCLONIQUE COMPRENANT UNE CHAMBRE DE DISTRIBUTION A FAIBLE TEMPS DE SEJOUR AGENCEE DANS UN RECIPIENT DE REACTION A LIT FLUIDISE**
[72] PRETZ, MATTHEW, US
[72] SHAW, DON F., US
[72] WALTER, RICHARD E., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2016-04-15
[86] 2014-09-22 (PCT/US2014/056737)
[87] (WO2015/065618)
[30] US (61/896,682) 2013-10-29

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[51] **Int.Cl. C10B 53/00 (2006.01) C10B 47/44 (2006.01) C10B 49/02 (2006.01)**
[25] EN
[54] **CONVERTER FOR ORGANIC MATERIALS**
[54] **CONVERTISSEUR POUR MATERIAUX ORGANIQUES**
[72] STREZOV, LAZAR, AU
[72] OSBORN, STEVE, AU
[72] HERBERTSON, JOSEPH GEORGE, AU
[73] THE CRUCIBLE GROUP PTY LTD, AU
[85] 2016-04-21
[86] 2014-10-29 (PCT/AU2014/001020)
[87] (WO2015/061833)
[30] AU (2013904164) 2013-10-29

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[25] EN
[54] **POLYETHER URETHANE DEICER BOOTS**
[54] **BOUDINS DE DEGLACAGE EN POLYETHER UTETHANE**
[72] HU, JIN, US
[73] GOODRICH CORPORATION, US
[86] (2929026)
[87] (2929026)
[22] 2016-05-04
[30] US (62/166,530) 2015-05-26

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[51] **Int.Cl. G06Q 20/30 (2012.01) G06Q 20/10 (2012.01) G06Q 20/40 (2012.01) G06F 3/01 (2006.01)**
[25] EN
[54] **WEARABLE TRANSACTION DEVICES**
[54] **DISPOSITIFS DE TRANSACTION PORTABLES**
[72] JUST, RICHARD S., US
[72] GEISER, CAMERON M., US
[73] CAPITAL ONE FINANCIAL CORPORATION, US
[86] (2929205)
[87] (2929205)
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[51] **Int.Cl. G01P 5/165 (2006.01) G01K 13/024 (2021.01) B64D 43/00 (2006.01)**
[25] EN
[54] **ENHANCEMENTS FOR DIFFERENTIAL-PRESSURE-DRIVEN FLUID FLOWS**
[54] **AMELIORATIONS DESTINEES AUX FLUX DE LIQUIDE ENTRAINE PAR PRESSION DIFFERENTIELLE**
[72] JACOB, ROBIN, IN
[72] MAHAPATRA, GURU PRASAD, IN
[72] JOHNSON, PAUL ROBERT, US
[73] ROSEMOUNT AEROSPACE INC., US
[86] (2929698)
[87] (2929698)
[22] 2016-05-10
[30] US (14/742,261) 2015-06-17

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[13] C
[51] **Int.Cl. F02C 7/052 (2006.01) F02M 35/024 (2006.01)**
[25] EN
[54] **GAS TURBINE FILTRATION SYSTEM WITH INLET FILTER ORIENTATION ASSEMBLY**
[54] **SYSTEME DE FILTRATION POUR TURBINE A GAZ AVEC UN ENSEMBLE D'ORIENTATION DE FILTRE D'ADMISSION**
[72] JARRIER, ETIENNE RENE PASCAL, GB
[72] EYERS, WILLIAM KEITH ALBERT, GB
[72] SMITH, PETER JOHN DUNCAN, GB
[72] STEELE, RICHARD PAUL, GB
[73] PARKER-HANNIFIN CORPORATION, US
[85] 2016-05-10
[86] 2014-11-13 (PCT/US2014/065427)
[87] (WO2015/073655)
[30] US (14/080,831) 2013-11-15

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[13] C
[51] **Int.Cl. A61K 49/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ASSESSING GUT FUNCTION**
[54] **COMPOSITIONS ET METHODES D'EVALUATION DE FONCTION INTESTINALE**
[72] DORSHOW, RICHARD B., US
[72] HANLEY, STEVEN J., US
[72] TARR, PHILLIP I., US
[73] DORSHOW, RICHARD B., US
[73] HANLEY, STEVEN J., US
[73] TARR, PHILLIP I., US
[85] 2016-05-11
[86] 2014-11-12 (PCT/US2014/065233)
[87] (WO2015/070256)
[30] US (61/902,637) 2013-11-11

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[13] C
[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/04 (2006.01) C22B 3/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING REFINED NICKEL AND OTHER PRODUCTS FROM A MIXED HYDROXIDE INTERMEDIATE**
[54] **PROCEDE DE PRODUCTION DE NICKEL RAFFINE ET D'AUTRES PRODUITS A PARTIR D'UN INTERMEDIAIRE HYDROXYDE MIXTE**
[72] PERRY, SCOTT, AU
[73] BHP BILLITON NICKEL WEST PTY LTD, AU
[85] 2016-05-19
[86] 2014-11-28 (PCT/AU2014/001087)
[87] (WO2015/081368)
[30] AU (2013904693) 2013-12-03

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[51] **Int.Cl. G06Q 50/06 (2012.01) C10B 57/02 (2006.01) H02J 3/38 (2006.01) H02J 13/00 (2006.01) H04L 12/16 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **COMBINED ENERGY NETWORK**
[54] **RESEAU D'ENERGIE ELECTRIQUE COMBINE**
[72] RUDLINGER, MIKAEL, CH
[73] RV LIZENZ AG, CH
[85] 2016-05-20
[86] 2014-11-21 (PCT/EP2014/075330)
[87] (WO2015/075204)
[30] EP (13193803.7) 2013-11-21

[11] **2,932,241**
[13] C
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING A DEVICE, IN PARTICULAR AN AMUSEMENT RIDE, TRANSPORT MEANS, A FITNESS APPARATUS OR THE LIKE**
[54] **PROCEDE D'UTILISATION D'UN DISPOSITIF, EN PARTICULIER D'UNE ATTRACTION FORAINE, D'UN MOYEN DE TRANSPORT, D'UN APPAREIL DE FITNESS OU ANALOGUES**
[72] WAGNER, THOMAS, DE
[73] VR COASTER GMBH & CO. KG, DE
[85] 2016-05-31
[86] 2015-08-06 (PCT/EP2015/068205)
[87] (WO2016/023817)
[30] DE (10 2014 111 386.1) 2014-08-11
[30] DE (10 2015 100 943.9) 2015-01-22

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[13] C
[51] **Int.Cl. C23F 11/14 (2006.01)**
[25] EN
[54] **TETRAZOLE BASED CORROSION INHIBITORS**
[54] **INHIBITEURS DE CORROSION A BASE DE TETRAZOLE**
[72] SEETHARAMAN, JOTHIBASU, IN
[72] RENY, EDOUARD ANDRE, NL
[72] JOHNSON, DONALD A., US
[72] SAWANT, KAILAS B., US
[72] SIVASWAMY, VAIDEESWARAN, IN
[73] ECOLAB USA INC., US
[85] 2016-05-31
[86] 2014-12-02 (PCT/US2014/068130)
[87] (WO2015/084830)
[30] US (61/910,833) 2013-12-02

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[13] C
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/44 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61P 25/02 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **BIARYL COMPOUNDS USEFUL FOR THE TREATMENT OF HUMAN DISEASES IN ONCOLOGY, NEUROLOGY AND IMMUNOLOGY**
[54] **COMPOSES BIARYLIQUES UTILES POUR LE TRAITEMENT DE MALADIES HUMAINES EN ONCOLOGIE, EN NEUROLOGIE ET EN IMMUNOLOGIE**
[72] HOPKINS, BRIAN T., US
[72] MA, BIN, US
[72] CHAN, TIMOTHY RAYMOND, US
[72] SUN, LIHONG, US
[72] ZHANG, LEI, US
[72] KUMARAVEL, GNANASAMBANDAM, US
[72] LYSSIKATOS, JOSEPH P., US
[72] KOCH, KEVIN, US
[72] MIAO, HUA, US
[73] BIOGEN MA INC., US
[85] 2016-06-02
[86] 2014-12-11 (PCT/US2014/069853)
[87] (WO2015/089337)
[30] US (61/914,886) 2013-12-11

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[13] C
[51] **Int.Cl. A01N 59/06 (2006.01) B82Y 40/00 (2011.01) A01N 25/12 (2006.01) B01J 6/00 (2006.01) B82B 3/00 (2006.01)**
[25] EN
[54] **OXIDE PRODUCTS FORMED FROM CALCINED CARBONATE POWDER FOR USE AS BIOCIDE, CHEMICAL DETOXIFIER AND CATALYST SUPPORT PRODUCTS**
[54] **PRODUITS D'OXYDE FORMES DE POUDRE DE CARBONATE CALCINEE A UTILISER COMMEBIOCIDE, DETOXIFIANT CHIMIQUE ET PRODUITS DE SUPPORT DE CATALYSEUR**
[72] SCEATS, MARK, AU
[73] CALIX LTD, AU
[85] 2016-06-10
[86] 2014-12-10 (PCT/AU2014/001115)
[87] (WO2015/100468)
[30] AU (2014900006) 2014-01-02

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[13] C
[51] **Int.Cl. G01B 11/00 (2006.01) B60L 5/00 (2006.01) B60M 1/28 (2006.01)**
[25] EN
[54] **ARCING FILTERING USING MULTIPLE IMAGE CAPTURE DEVICES**
[54] **FILTRAGE D'ARC A L'AIDE DE MULTIPLES DISPOSITIFS DE CAPTURE D'IMAGE**
[72] PENG, EN, AU
[72] LAU, WILLIAM HOCK OON, AU
[72] ADAMS, BRETT, AU
[73] DTI GROUP LIMITED, AU
[85] 2016-06-10
[86] 2015-08-11 (PCT/AU2015/050453)
[87] (WO2016/040997)
[30] AU (2014903670) 2014-09-15

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[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKERS AND METHODS RELATING TO ALZHEIMER'S DISEASE**
[54] **BIOMARQUEURS ET PROCEDES ASSOCIES A LA MALADIE D'ALZHEIMER**
[72] WARD, MALCOLM ANDREW, GB
[72] HYE, ABDUL, GB
[72] LOVESTONE, SIMON HAROLD, GB
[72] DOBSON, RICHARD JAMES BUTLER, GB
[73] ELECTROPHORETICS LIMITED, GB
[73] KING'S COLLEGE LONDON, GB
[85] 2016-06-10
[86] 2014-12-12 (PCT/GB2014/053692)
[87] (WO2015/087087)
[30] GB (1322094.2) 2013-12-13

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[13] C
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[25] EN
[54] **ADHESIVE COMPOSITION COMPRISING MACROMOLECULAR COMPLEX**
[54] **COMPOSITION ADHESIVE COMPRENANT UN COMPLEXE MACROMOLECULAIRE**
[72] GRIGSBY, WARREN JAMES, NZ
[73] NEW ZEALAND FOREST RESEARCH INSTITUTE LIMITED, NZ
[85] 2016-06-10
[86] 2014-12-19 (PCT/IB2014/067102)
[87] (WO2015/092750)
[30] NZ (619348) 2013-12-20

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[13] C
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[25] FR
[54] **HIGH-STRENGTH STEEL AND METHOD FOR PRODUCING SAME**
[54] **ACIER A HAUTE RESISTANCE ET PROCEDE DE FABRICATION**
[72] DRILLET, JOSEE, FR
[72] HEBERT, VERONIQUE, FR
[73] ARCELORMITTAL, LU
[85] 2016-06-10
[86] 2014-12-05 (PCT/IB2014/066647)
[87] (WO2015/087224)
[30] US (PCT/US2013/074482) 2013-12-11

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[13] C
[51] **Int.Cl. C12N 1/14 (2006.01) A01H 17/00 (2006.01) A01P 21/00 (2006.01) C07H 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING THE PRODUCTION OF FLOWERS, SEEDS AND/OR FRUITS IN A PLANT**
[54] **PROCEDE POUR AUGMENTER LA PRODUCTION DE FLEURS, GRAINES ET/OU FRUITS D'UNE PLANTE**
[72] RAMIREZ ZAPATA, DIANA, ES
[72] SACRISTAN BENAYAS, MARIA SOLEDAD, ES
[72] CUEVA GONZALEZ, EVELIN ELIZETH, ES
[72] ALONSO GONZALEZ, ANGELA, ES
[72] BORJA Y TOME, MARISE, ES
[72] ANTON RODRIGUEZ, DIEGO, ES
[72] PEREZ JIMENEZ, ROSA MARIA, ES
[73] UNIVERSIDAD POLITECNICA DE MADRID, ES
[73] PLANT RESPONSE, INC., US
[85] 2016-06-16
[86] 2014-12-17 (PCT/ES2014/070930)
[87] (WO2015/092104)
[30] ES (P201331839) 2013-12-17

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[25] EN
[54] **SYRINGE PUMP HAVING A PRESSURE SENSOR ASSEMBLY**
[54] **POMPE A SERINGUE COMPORTANT UN ENSEMBLE CAPTEUR DE PRESSION**
[72] DESCH, MARTIN D., US
[72] GRAY, LARRY B., US
[72] BODWELL, JESSE T., US
[72] VAN DER MERWE, DIRK A., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2016-06-16
[86] 2015-02-20 (PCT/US2015/016796)
[87] (WO2015/127189)
[30] US (61/942,986) 2014-02-21
[30] US (61/990,330) 2014-05-08
[30] US (14/627,287) 2015-02-20

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[13] C
[51] **Int.Cl. C07D 213/81 (2006.01) A01N 37/46 (2006.01) A01N 43/40 (2006.01) A01P 5/00 (2006.01) A01P 7/02 (2006.01) A01P 7/04 (2006.01) A01P 9/00 (2006.01) C07C 255/57 (2006.01) C07D 213/89 (2006.01)**
[25] EN
[54] **INSECTICIDAL COMPOUNDS**
[54] **COMPOSES INSECTICIDES**
[72] EDMUNDS, ANDREW, CH
[72] STOLLER, ANDRE, CH
[72] PITTERNA, THOMAS, CH
[73] SYNGENTA PARTICIPATIONS AG, CH
[85] 2016-06-21
[86] 2014-12-19 (PCT/EP2014/078809)
[87] (WO2015/097091)
[30] EP (13199384.2) 2013-12-23

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[13] C
[51] **Int.Cl. G01D 4/00 (2006.01)**
[25] EN
[54] **UTILITY METER EMULATION MODE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MODE D'EMULATION DE COMPTEUR DE RESEAU DE DISTRIBUTION PUBLIC**
[72] LAVOIE, GREGORY PAUL, US
[72] CRITTENDEN, CURTIS WHITMORE, US
[72] ROUAUD, DIDIER GILBERT, US
[72] LAFOND, GUY P., US
[72] SUBIRANA, JASON I., US
[73] ACLARA METERS LLC, US
[85] 2016-06-22
[86] 2014-12-09 (PCT/US2014/069302)
[87] (WO2015/100006)
[30] US (14/139,157) 2013-12-23

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[13] C
[51] **Int.Cl. G08G 1/01 (2006.01) G01C 21/36 (2006.01)**
[25] EN
[54] **POST-DRIVE SUMMARY WITH TUTORIAL**
[54] **SOMMAIRE APRES LA CONDUITE COMPORTANT UN TUTORIEL**
[72] PLATZ, CHERYL N., US
[72] HENDRICKS, JOHN P., US
[72] O'HANLON, MARK, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-06-28
[86] 2015-01-09 (PCT/US2015/010710)
[87] (WO2015/108757)
[30] US (14/156,407) 2014-01-15

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[13] C
[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/36 (2006.01)**
[25] EN
[54] **TOOL RETENTION SYSTEM**
[54] **SYSTEME DE RETENUE D'OUTIL**
[72] CAMPOMANES, PATRICK S., US
[73] CATERPILLAR INC., US
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[54] **ANTIBODY SPECIFIC TO STAPHYLOCOCCUS AUREUS, THERAPEUTIC METHOD AND DETECTION METHOD USING SAME**
[54] **ANTICORPS SPECIFIQUE DE STAPHYLOCOCCUS AUREUS, PROCEDE THERAPEUTIQUE ET PROCEDE DE DETECTION UTILISANT CELLES-CI**
[72] CHURCH, WILLIAM R., US
[73] CHURCH, WILLIAM R., US
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[25] EN
[54] **AQUEOUS HERBICIDAL CONCENTRATES COMPRISING AN ACETANILIDE HERBICIDE, A PROTOPORPHYRINOGEN OXIDASE INHIBITOR, AND A PSEUDOPLASTIC THICKENER**
[54] **CONCENTRES HERBICIDES AQUEUX COMPRENANT UN HERBICIDE A L'ACETANILIDE, UNINHIBITEUR DE LA PROTOPORPHYRINOGENE OXYDASE ET EPAISSISSEUR PSEUDOPLASTIQUE**
[72] BECHER, DAVID Z., US
[73] MONSANTO TECHNOLOGY LLC, US
[85] 2016-07-20
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[25] EN
[54] **HIGH-LOAD PYRETHROID ENCAPSULATED SEED TREATMENT FORMULATIONS**
[54] **FORMULATIONS DE TRAITEMENT DE GRAINE FORTEMENT CHARGEES COMPORTANT UN PYRETHROIDE SOUS FORME ENCAPSULEE**
[72] YAN, LAIBIN BRUCE, US
[72] MCLEOD, RODERICK G., CA
[72] KIBBEE, JOHN E., CA
[72] SCHERZINGER, WILLIAM M., IV, CA
[73] FMC CORPORATION, US
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[25] EN
[54] **MONOBACTAM ORGANIC COMPOUNDS FOR THE TREATMENT OF BACTERIAL INFECTIONS**
[54] **COMPOSES ORGANIQUES MONOBACTAM POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] AULAKH, VIRENDER SINGH, CA
[72] CASAREZ, ANTHONY, US
[72] LIN, XIAODONG, US
[72] LINDVALL, MIKA, US
[72] MCENROE, GLENN, US
[72] MOSER, HEINZ ERNST, US
[72] RECK, FOLKERT, US
[72] TJANDRA, MEILIANA, US
[72] SIMMONS, ROBERT LOWELL, US
[72] YIFRU, AREGAHEGN, US
[72] ZHU, QINGMING, US
[73] NOVARTIS AG, CH
[85] 2016-08-10
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[54] **PARENTERAL COMPOSITIONS OF CELECOXIB**
[54] **COMPOSITIONS PARENTERALES DE CELECOXIB**
[72] OKUMU, FRANKLIN, US
[72] CHU, JAN-JON, US
[72] WEBB, JULIE ANN, US
[72] SABINO, RAFAEL ANTHONY, US
[72] CHEN, ANDREW XIAN, US
[73] LATITUDE PHARMACEUTICALS INC., US
[85] 2016-08-11
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[25] EN
[54] **APPARATUS AND METHOD FOR EQUIPMENT MOUNTING AND STORAGE**
[54] **APPAREIL ET PROCEDE DE RANGEMENT ET DE MONTAGE D'EQUIPEMENT**
[72] FRANKLIN, BARRETT W., US
[73] ARA USA LLC, US
[85] 2016-08-17
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[54] **PROTHESE VALVULAIRE TRANSCATHETER**
[72] BORTLEIN, GEORG, FR
[72] NASR, MALEK, FR
[73] HIGHLIFE SAS, FR
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[54] **MOTORIZED RACKING ASSEMBLY**
[54] **ENSEMBLE MOTORISE DE MONTAGE EN BAIES**
[72] BOYCE, RUSSELL I., US
[72] PEARCE, MICHAEL D., US
[72] HUGHES, MELVIN L., US
[72] SHETH, BIMAL PARESHBHAI, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[51] **Int.Cl. A61B 5/0295 (2006.01) A61B 5/022 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETECTING AND ASSESSING REACTIVE HYPEREMIA USING SEGMENTAL PLETHYSMOGRAPHY**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE DETECTER ET D'EVALUER UNE HYPEREMIE REACTIONNELLE, GRACE A LA PLETHYSMOGRAPHIE SEGMENTAIRE**
[72] WHITT, MICHAEL DAVID, US
[72] MAGLIATO, KATHY ELIZABETH, US
[72] RITTERBUSH, STEPHEN, US
[73] CORDEX SYSTEMS, INC., US
[85] 2016-09-08
[86] 2014-12-17 (PCT/US2014/070803)
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[25] EN
[54] **MODIFIED CPMV ENHANCER ELEMENTS**
[54] **ELEMENTS AMPLIFICATEURS DU CPMV MODIFIES**
[72] D'AOUST, MARC-ANDRE, CA
[72] LAVOIE, PIERRE-OLIVIER, CA
[73] MEDICAGO INC., CA
[85] 2016-09-26
[86] 2015-03-27 (PCT/CA2015/050240)
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[25] EN
[54] **STIMULATION OF WELLS IN NANO-DARCY SHALE FORMATIONS**
[54] **STIMULATION DE PUITS DANS DES FORMATIONS DE SCHISTE DE NANO-DARCY**
[72] CONWAY, ANDREW BRYCE, US
[73] FLEX-CHEM HOLDING COMPANY, LLC, US
[85] 2016-09-30
[86] 2015-04-10 (PCT/US2015/025399)
[87] (WO2015/160666)
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[25] EN
[54] **METHODS FOR MAKING FLOUR-BASED FOOD PRODUCTS AND FOOD PRODUCTS MADE THEREBY**
[54] **PROCEDE POUR LA FABRICATION DE PRODUITS ALIMENTAIRES A BASE DE FARINE ET PRODUITS ALIMENTAIRES FABRIQUES PAR LESDITS PROCEDES**
[72] AVASHIA, SANJIV H., US
[72] RIDDELL, MELISSA KIRBY, US
[73] TATE & LYLE SOLUTIONS USA LLC, US
[85] 2016-10-05
[86] 2015-04-10 (PCT/US2015/025425)
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[30] US (61/978,740) 2014-04-11
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[13] C
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[25] EN
[54] **COMPOUNDS FOR TREATING OPHTHALMIC DISEASES AND DISORDERS**
[54] **COMPOSES POUR LE TRAITEMENT DE MALADIES ET TROUBLES OPHTALMIQUES**
[72] SPERL, STEFAN, AT
[72] OBERMAYR, FRANZ, AT
[73] PANOPTES PHARMA GES.M.B.H., AT
[85] 2016-10-26
[86] 2015-05-08 (PCT/EP2015/060166)
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[25] EN
[54] **INTEGRATED MODULAR MULTIMEDIA SYSTEM IN WALL-BOX FORMAT**
[54] **SYSTEME MULTIMEDIA MODULAIRE INTEGRE EN FORMAT COFFRET MURAL**
[72] DUPUIS, JOSEPH E., US
[72] O'CONNOR, DOUGLAS P., US
[72] KIERSTEAD, GLENN THOMAS, US
[72] ABU GHAZALEH, SHADI ALEX, US
[73] HUBBELL INCORPORATED, US
[85] 2016-11-07
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[25] EN
[54] **INDUCTION HEATING SYSTEM CONNECTION BOX**
[54] **BOITE DE CONNEXION DE SYSTEME DE CHAUFFAGE PAR INDUCTION**
[72] MLNARIK, KEVIN JOHN, US
[72] LIEBERT, SCOTT STEPHEN, US
[72] GARVEY, PAUL WILLIAM, US
[72] VERHAGEN, PAUL DAVID, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-11-08
[86] 2015-02-19 (PCT/US2015/016528)
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[30] US (14/280,262) 2014-05-16

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 3/14 (2006.01) G06F 7/00 (2006.01)**
[25] EN
[54] **COMPOUND APPLICATION PRESENTATION ACROSS MULTIPLE DEVICES**
[54] **PRESENTATION D'APPLICATION COMPOSEE SUR DE MULTIPLES DISPOSITIFS**
[72] MITAL, VIJAY, US
[72] RUBIN, DARRYL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-11-09
[86] 2015-06-30 (PCT/US2015/038406)
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[25] EN
[54] **UNDERGARMENT RECEIVING A THIN INTERMEDIATE LAYER OF ADHESIVE BONDING BETWEEN TWO TEXTILES BEFORE THERMOFORMING**
[54] **SOUS-VETEMENT RECEVANT UNE COUCHE INTERMEDIAIRE FINE DE COLLAGE ENTRE DEUX TEXTILES AVANT THERMOFORMAGE**
[72] TURLAN, MANON, FR
[73] HANES OPERATIONS EUROPE SAS, FR
[85] 2016-11-10
[86] 2015-05-13 (PCT/FR2015/051273)
[87] (WO2015/173524)
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[54] **SUBSTRATE-MEDIATED REACTORS FOR BIOASSAYS**
[54] **REACTEUR A MEDIATION PAR LE SUBSTRAT POUR ESSAIS BIOLOGIQUES**
[72] STONER, ISAAC, US
[72] ERPS, TIMOTHY, US
[72] PREGIBON, DANIEL, US
[72] TYTELL, JESSICA DAWN, US
[72] WINDEMUTH, ANDREAS, US
[72] DORAN, GRAEME, US
[73] FIREFLY BIOWORKS, INC., US
[85] 2016-11-17
[86] 2015-05-22 (PCT/US2015/032319)
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[54] **LUMINAIRE**
[54] **LUMINAIRE**
[72] RECTOR, DAVID JOHN, US
[72] BROWN, RAYMOND A., US
[72] SPITZER, JEFFREY A., US
[72] MACINTOSH, KENNETH W., US
[72] VANG, SENG, US
[72] JACKSON, DUNCAN DALGLEISH PAUL, US
[72] JAMISON, AIDAN, US
[72] BLACK, ANDREW MARK, US
[72] DENEKAMP, NIELS, US
[72] BILLINGS, EOIN, GB
[73] HUBBELL LIGHTING, INC., US
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[86] 2015-05-22 (PCT/US2015/032121)
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[30] US (62/002,653) 2014-05-23
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[25] FR
[54] **DETECTION DEVICE FOR SUSPENDED BOLOMETRIC MEMBRANES WITH HIGH ABSORPTION PERFORMANCE AND SIGNAL-TO-NOISE RATIO**
[54] **DISPOSITIF DE DETECTION A MEMBRANES BOLOMETRIQUES SUSPENDUES A FORT RENDEMENT D'ABSORPTION ET RAPPORT SIGNAL SUR BRUIT**
[72] CORTIAL, SEBASTIEN, FR
[72] VILAIN, MICHEL, FR
[73] ULIS, FR
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[87] (2949887)
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[25] EN
[54] **METHODS OF CANCER TREATMENT WITH ANTAGONISTS AGAINST PD-1 AND PD-L1 IN COMBINATION WITH RADIATION THERAPY**
[54] **METHODES DE TRAITEMENT DU CANCER PAR DES ANTAGONISTES DE PD-1 ET PD-L1 EN ASSOCIATION AVEC UNE RADIOTHERAPIE**
[72] DOVEDI, SIMON, GB
[72] ILLIDGE, TIM, GB
[72] STEWART, ROSS, GB
[72] MORROW, MICHELLE, GB
[72] WILKINSON, ROBERT, GB
[72] POON, EDMUND, GB
[73] MEDIMMUNE LIMITED, GB
[85] 2016-11-23
[86] 2015-06-17 (PCT/EP2015/063552)
[87] (WO2015/193352)
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[13] C
[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TEMPLATED ASSEMBLY OF NUCLEIC ACID SPECIFIC HETEROCOMPOUNDS**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT UN ASSEMBLAGE ASSISTE D'UNE MATRICE D'HETEROCOMPOSES SPECIFIQUES A BASE D'ACIDES NUCLEIQUES**
[72] DUNN, IAN, AU
[72] LAWLER, MATTHEW, US
[73] TRIBIOTICA LLC, US
[85] 2016-11-23
[86] 2014-06-04 (PCT/US2014/040822)
[87] (WO2014/197547)
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[51] **Int.Cl. F26B 3/36 (2006.01) F26B 5/02 (2006.01)**
[25] EN
[54] **INDIRECT ACOUSTIC DRYING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SECHAGE ACOUSTIQUE INDIRECT**
[72] PLAVNIK, ZINOVY ZALMAN, US
[72] EMORY, GLENN JOHNSON, US
[72] HRYNCHUCK, ALIAKSANDR, US
[72] LYE, JASON, US
[72] SISK, RICHARD TERRELL, US
[72] VOLOZHANIN, LEONID ANATOLYEVICH, US
[73] HEAT TECHNOLOGIES, INC., US
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[25] EN
[54] **MODULAR WALL SYSTEM WITH VARIABLE TRIM**
[54] **SYSTEME DE PAROI MODULAIRE AYANT UNE GARNITURE VARIABLE**
[72] VON HOYNINGEN HUENE, EBERHARD, CA
[72] SHOVAR, SCOTT, US
[72] BROWN, MATTHEW C., US
[73] ALLSTEEL INC., US
[85] 2016-12-05
[86] 2015-06-04 (PCT/US2015/034201)
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[25] EN
[54] **ISOBARIC MASS LABELS**
[54] **MARQUEURS DE MASSE ISOBARIQUES**
[72] THOMPSON, ANDREW HUGIN, GB
[72] KIENLE, STEFAN, DE
[72] KUHN, KARSTEN, DE
[72] WOLLMER, NIKOLAI, DE
[73] ELECTROPHORETICS LIMITED, GB
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[86] 2015-06-12 (PCT/EP2015/063224)
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[25] FR
[54] **ADHESIVE SEALING COMPOSITION**
[54] **COMPOSITION ADHESIVE DE SCELLAGE**
[72] COCQUET, CLIO, FR
[72] LAURENT, BETTY, FR
[72] DEVISME, SAMUEL, FR
[73] SK GEO CENTRIC CO., LTD., KR
[85] 2016-12-07
[86] 2015-06-09 (PCT/FR2015/051517)
[87] (WO2015/197933)
[30] FR (1455949) 2014-06-26

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[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/36 (2006.01) A61P 5/16 (2006.01)**
[25] EN
[54] **THIOUREYLENE LIQUID COMPOSITIONS**
[54] **COMPOSITIONS LIQUIDES DE THIOUREYLENES**
[72] REYNOLDS, LOUISE, GB
[72] UMRETHIA, MANISH, GB
[73] NORBROOK LABORATORIES LIMITED, GB
[85] 2016-12-14
[86] 2015-06-23 (PCT/GB2015/051824)
[87] (WO2015/198033)
[30] GB (1411310.4) 2014-06-25

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[25] EN
[54] **SYSTEM AND METHOD FOR NON-DESTRUCTIVE, IN-SITU, POSITIVE MATERIAL IDENTIFICATION OF A PIPE**
[54] **SYSTEME ET PROCEDE POUR L'IDENTIFICATION DE MATERIAU POSITIVE, NON DESTRUCTRICE ET IN SITU D'UN TUYAU**
[72] GREENE, KENNETH JAMES, US
[72] CARAWAY, CHRIS, US
[72] DONIKOWSKI, GREGORY, US
[72] TROYER, JOEL, US
[73] TDW DELAWARE, INC., US
[85] 2016-12-14
[86] 2015-06-09 (PCT/US2015/034928)
[87] (WO2015/199975)
[30] US (62/017,964) 2014-06-27
[30] US (14/565,206) 2014-12-09

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[13] C
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **LOCKING WEB PLATE**
[54] **PLAQUE DE BANDE DE VERROUILLAGE**
[72] HASHMI, ADAM, US
[72] ROCCI, MIRKO, CH
[72] KELLY, LYNN, US
[72] FISCHER, FABIENNE, CH
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2016-12-20
[86] 2015-06-18 (PCT/US2015/036323)
[87] (WO2016/003658)
[30] US (14/320,511) 2014-06-30

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **COVALENTLY BONDED DIABODIES HAVING IMMUNOREACTIVITY WITH PD-1 AND LAG-3, AND METHODS OF USE THEREOF**
[54] **DIANTICORPS LIES PAR COVALENCE, PRESENTANT UNE IMMUNOREACTIVITE AVEC PD-1 ET LAG-3 ET LEURS PROCEDES D'UTILISATION**
[72] BONVINI, EZIO, US
[72] JOHNSON, LESLIE S., US
[72] SHAH, KALPANA, US
[72] LA MOTTE-MOHS, ROSS, US
[72] MOORE, PAUL A., US
[72] KOENIG, SCOTT, US
[73] MACROGENICS, INC., US
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[54] **AUTOMATIC CABLE SPLICE**
[54] **EPISSURE DE CABLE AUTOMATIQUE**
[72] DIOP, SEYDOU, US
[72] ZELAZNY, PAUL F., US
[73] HUBBELL INCORPORATED, US
[85] 2016-12-29
[86] 2015-06-30 (PCT/US2015/038422)
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[54] **MULTI-DOMAIN HETEROGENEOUS PROCESS-VOLTAGE-TEMPERATURE TRACKING FOR INTEGRATED CIRCUIT POWER REDUCTION**
[54] **SUIVI DE VALEURS HETEROGENES DE PROCESSUS-TENSION-TEMPERATURE DANS DE MULTIPLES DOMAINES PERMETTANT UNE REDUCTION DE PUISSANCE D'UN CIRCUIT INTEGRE**
[72] IBRAHIMOVIC, JASMIN SMAILA, US
[72] KAKOEE, MOHAMMAD REZA, US
[72] HU, SHIH-HSIN JASON, US
[73] QUALCOMM INCORPORATED, US
[85] 2016-12-30
[86] 2015-05-15 (PCT/US2015/030997)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **6,7-DIHYDROPYRAZOLO[1,5-A]PYRAZIN-4(5H)-ONE COMPOUNDS AND THEIR USE AS NEGATIVE ALLOSTERIC MODULATORS OF MGLUR2 RECEPTORS**
[54] **COMPOSES 6,7-DIHYDROPYRAZOLO[1,5-A] PYRAZIN-4(5H)-ONE ET LEUR UTILISATION COMME MODULATEURS ALLOSTERIQUES NEGATIFS DES RECEPTEURS MGLUR2**
[72] ALONSO-DE DIEGO, SERGIO-ALVAR, ES
[72] VAN GOOL, MICHIEL LUC MARIA, ES
[72] MARTIN-MARTIN, MARIA LUZ, ES
[72] CONDE-CEIDE, SUSANA, ES
[72] ANDRES-GIL, JOSE IGNACIO, ES
[72] DELGADO-GONZALEZ, OSCAR, ES
[72] TRESADERN, GARY JOHN, ES
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-01-03
[86] 2015-07-30 (PCT/EP2015/067572)
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[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR AUTOMATED TRANSFER OF A SAMPLE**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR LE TRANSFERT AUTOMATISE D'UN ECHANTILLON**
[72] MAO, YING, US
[72] CONWAY, KENNETH ROGER, US
[72] GRIFFIN, WESTON BLAINE, US
[72] SMITH, REGINALD DONOVAN, US
[72] LOGHIN, EVELINA ROXANA, US
[72] KESKAR, VANDANA, US
[72] ZHANG, CHENGKUN, US
[72] ZHANG, ZHIPENG, US
[73] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
[85] 2017-01-03
[86] 2015-08-05 (PCT/EP2015/068037)
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[25] EN
[54] **THERAPEUTIC USE OF BONE MORPHOGENETIC PROTEINS**
[54] **UTILISATION THERAPEUTIQUE DE PROTEINES MORPHOGENETIQUES OSSEUSES**
[72] MORRELL, NICHOLAS W., GB
[72] LI, WEI, GB
[72] UPTON, PAUL D., GB
[73] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2017-01-04
[86] 2015-07-09 (PCT/GB2015/051989)
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[30] GB (1412290.7) 2014-07-10

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[13] C
[51] **Int.Cl. H05K 3/00 (2006.01) H05K 1/16 (2006.01)**
[25] EN
[54] **METHOD OF FORMING AN ELECTRONIC DEVICE ON A FLEXIBLE SUBSTRATE**
[54] **PROCEDE DE FORMATION D'UN DISPOSITIF ELECTRONIQUE SUR UN SUBSTRAT SOUPLE**
[72] MAYORGA MARTINEZ, CARMEN CLOTILDE, SG
[72] BAPTISTA PIRES, LUIS MIGUEL, ES
[72] MERKOCI HYKA, ARBEN, ES
[73] FUNDACIO INSTITUT CATALA DE NANOCIENCIA I NANOTECNOLOGIA, ES
[73] INSTITUCIO CATALANA DE RECERCA I ESTUDIS AVANCATS, ES
[85] 2017-01-05
[86] 2015-06-19 (PCT/EP2015/063842)
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[25] EN
[54] **HIGH PURITY ORITAVANCIN AND METHOD OF PRODUCING SAME**
[54] **ORITAVANCINE A HAUTE PURETE ET SON PROCEDE DE PRODUCTION**
[72] RAFAI FAR, ADEL, CA
[72] KRISHNA, GOPAL, US
[72] DING, MIN, US
[72] CHEMBURKAR, SANJAY R., US
[72] KNABLE, CARL M., US
[72] PETZEL, JAMES P., US
[72] PRUYNE, JULIE J., US
[72] REAMER, DOUGLAS M., US
[73] ABBVIE INC., US
[73] MELINTA THERAPEUTICS, INC., US
[85] 2017-01-13
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[30] US (62/025,737) 2014-07-17

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[51] **Int.Cl. A61K 47/54 (2017.01)**
[25] EN
[54] **PRODRUGS COMPRISING AN AMINOALKYL GLYCINE LINKER**
[54] **PROMEDICAMENTS COMPRENANT UN LIEUR DE TYPE AMINOALKYLGLYCINE**
[72] BISEK, NICOLA, DE
[72] RAU, HARALD, DE
[72] CLEEMANN, FELIX, DE
[72] KNAPPE, THOMAS, DE
[72] REIMANN, ROMY, DE
[73] ASCENDIS PHARMA A/S, DK
[85] 2017-01-17
[86] 2015-08-04 (PCT/EP2015/067929)
[87] (WO2016/020373)
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[25] EN
[54] **GLP-1 RECEPTOR MODULATORS**
[54] **NOUVEAUX MODULATEURS DU RECEPTEUR GLP-1**
[72] BOEHM, MARCUS F., US
[72] MARTINBOROUGH, ESTHER, US
[72] MOORJANI, MANISHA, US
[72] TAMIYA, JUNKO, US
[72] HUANG, LIMING, US
[72] YEAGER, ADAM R., US
[72] BRAHMACHARY, ENUGURTHI, US
[72] FOWLER, THOMAS, GB
[72] NOVAK, ANDREW, GB
[72] MEGHANI, PREMJI, GB
[72] KNAGGS, MICHAEL, GB
[73] RECEPTOS LLC, US
[85] 2017-01-19
[86] 2015-07-24 (PCT/US2015/042114)
[87] (WO2016/015014)
[30] US (62/028,962) 2014-07-25
[30] US (62/090,040) 2014-12-10
[30] US (62/161,650) 2015-05-14

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[51] **Int.Cl. B24B 9/14 (2006.01) B24B 1/00 (2006.01) B24B 49/12 (2006.01) G02C 13/00 (2006.01)**
[25] FR
[54] **METHOD FOR WORKING OUT SETTINGS FOR EDGING AN OPTICAL LENS**
[54] **PROCEDE D'ELABORATION D'UNE CONSIGNE DE DETOURAGE D'UNE LENTILLE OPTIQUE**
[72] ANATOLE, VINCENT, FR
[72] SILEO, CEDRIC, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2017-01-23
[86] 2015-07-23 (PCT/FR2015/052033)
[87] (WO2016/012721)
[30] FR (1457238) 2014-07-25

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **6-ALKYNYL-PYRIDINE DERIVATIVES AS SMAC MIMETICS**
[54] **DERIVES 6-ALCYNYLPYRIDINES UTILISABLES COMME MIMETIQUES DE SMAC**
[72] REISER, ULRICH, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2017-01-24
[86] 2015-08-10 (PCT/EP2015/068349)
[87] (WO2016/023858)
[30] EP (14180554.9) 2014-08-11

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[13] C
[51] **Int.Cl. H02P 25/18 (2006.01) H02P 25/02 (2016.01) H02P 27/00 (2006.01)**
[25] EN
[54] **MULTIPLE PHASE ELECTRIC MACHINE, DRIVE AND CONTROL**
[54] **MACHINE ELECTRIQUE A PHASES MULTIPLES, ENTRAINEMENT ET COMMANDE**
[72] BLANCHARD ST-JACQUES, BENOIT, CA
[72] OBRY, CHARLES, CA
[73] TM4 INC., CA
[85] 2017-01-25
[86] 2015-07-27 (PCT/CA2015/050705)
[87] (WO2016/015147)
[30] US (62/030,226) 2014-07-29

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[25] EN
[54] **TRIAZOLE COMPOUNDS AS T-TYPE CALCIUM CHANNEL BLOCKERS**
[54] **COMPOSES TRIAZOLE UTILISES COMME BLOQUEURS DES CANAUX CALCIQUES DE TYPE T**
[72] BEZENCON, OLIVIER, CH
[72] GATFIELD, JOHN, CH
[72] HEIDMANN, BIBIA, CH
[72] SIEGRIST, ROMAIN, CH
[72] STAMM, SIMON, CH
[73] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2017-01-30
[86] 2015-09-14 (PCT/EP2015/070934)
[87] (WO2016/041892)
[30] EP (PCT/EP2014/069592) 2014-09-15

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[51] **Int.Cl. C08L 95/00 (2006.01) C04B 26/26 (2006.01) C08J 3/20 (2006.01) C08K 5/092 (2006.01) C08K 5/20 (2006.01) C08K 5/21 (2006.01) C08K 5/25 (2006.01)**
[25] FR
[54] **METHOD FOR THE TRANSPORTATION AND/OR STORAGE OF ROAD BITUMEN**
[54] **PROCEDE DE TRANSPORT ET/OU DE STOCKAGE DE BITUME ROUTIER**
[72] VINCENT, REGIS, FR
[72] MOUAZEN, MOUHAMAD, FR
[72] LAPALU, LAURENCE, FR
[73] TOTAL MARKETING SERVICES, FR
[85] 2017-01-31
[86] 2015-07-29 (PCT/EP2015/067409)
[87] (WO2016/016320)
[30] FR (1457537) 2014-08-01

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[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/74 (2006.01) G01N 33/76 (2006.01)**
[25] EN
[54] **FLEXIBLE, INTEGRATED FLUID-BASED DIAGNOSTIC DEVICE**
[54] **DISPOSITIF DE DIAGNOSTIC INTEGRE SOUPLE A BASE DE FLUIDE**
[72] EDWARDS, BETHANY, US
[72] DIMARE, FRANCES, US
[73] LIA DIAGNOSTICS, INC., US
[85] 2016-11-10
[86] 2015-05-07 (PCT/US2015/029613)
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[30] US (61/996,978) 2014-05-11

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[13] C
[51] **Int.Cl. A47K 10/38 (2006.01) B65H 23/08 (2006.01) B65H 23/16 (2006.01)**
[25] EN
[54] **SHEET PRODUCT DISPENSERS AND RELATED METHODS FOR REDUCING SHEET PRODUCT USAGE**
[54] **DISTRIBUTEURS DE PRODUIT EN FEUILLES ET PROCEDES ASSOCIES POUR LA REDUCTION DE L'UTILISATION DE PRODUIT EN FEUILLES**
[72] MATTHEEUSSEN, STEVEN B., US
[72] TAYLOR, GENEVIEVE, US
[72] ROZEK, ROY J., US
[72] CITTADINO, ANTONIO M., US
[72] PETERSON, ERIC, US
[72] GOLTZ, RYAN A., US
[72] LAITALA, JOHN, US
[73] GPCP IP HOLDINGS LLC, US
[85] 2017-02-03
[86] 2015-08-07 (PCT/US2015/044268)
[87] (WO2016/022949)
[30] US (62/035,138) 2014-08-08

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[13] C
[51] **Int.Cl. G06V 40/40 (2022.01) G06V 40/12 (2022.01)**
[25] EN
[54] **MULTI-STAGE LIVENESS DETERMINATION**
[54] **DETERMINATION D'ETAT VIVANT PAR ETAPES MULTIPLES**
[72] DU, ELIZA YINGZI, US
[72] CHEN, MING YU, US
[72] VURAL, ESRA, US
[72] CHAN, KWOKLEUNG, US
[72] BURNS, DAVID WILLIAM, US
[72] GANTI, SURYAPRAKASH, US
[72] SCHNEIDER, JOHN KEITH, US
[72] BANDYOPADHYAY, SAURAV, US
[72] GU, JIN, US
[73] QUALCOMM INCORPORATED, US
[85] 2017-02-02
[86] 2015-09-04 (PCT/US2015/048583)
[87] (WO2016/037078)
[30] US (62/046,744) 2014-09-05
[30] US (62/151,983) 2015-04-23
[30] US (14/845,149) 2015-09-03
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[51] **Int.Cl. C08L 75/04 (2006.01) C08G 18/10 (2006.01) C08G 18/16 (2006.01) C08J 5/24 (2006.01) C08K 7/02 (2006.01) C08L 97/02 (2006.01) E04C 2/10 (2006.01)**
[25] EN
[54] **CONTINUOUS PROCESS FOR FORMING A UNITARY MAT**
[54] **PROCEDE CONTINU DE FORMATION D'UN TAPIS UNITAIRE**
[72] KUMAR, RAJESH, US
[72] LAWSON, ERIC N., US
[73] BASF SE, DE
[85] 2017-02-03
[86] 2015-08-05 (PCT/US2015/043813)
[87] (WO2016/022686)
[30] US (62/034,950) 2014-08-08

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[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF DETECTING WELL INTEGRITY FAILURE**
[54] **SYSTEME ET PROCEDE DE DETECTION DE DEFAILLANCE D'INTEGRITE D'UN PUITS**
[72] HOVERSTEN, GARY MICHAEL, US
[72] DALEY, THOMAS M., US
[72] KORNEEV, VALERI A., US
[73] CHEVRON U.S.A. INC., US
[85] 2017-02-06
[86] 2015-10-28 (PCT/US2015/057830)
[87] (WO2016/069753)
[30] US (62/069,372) 2014-10-28

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[51] **Int.Cl. B07C 5/02 (2006.01) B07C 5/342 (2006.01)**
[25] EN
[54] **SORTING INSTALLATION AND METHOD FOR SEPARATING MATERIAL FRACTIONS**
[54] **INSTALLATION DE TRI ET PROCEDE DE SEPARATION DE FRACTIONS DE MATERIAU**
[72] BOHLEBER, JURGEN, DE
[72] SCHMIDT, ALFRED, DE
[73] UNISENSOR SENSORSYSTEME GMBH, DE
[85] 2017-02-07
[86] 2015-08-19 (PCT/EP2015/069081)
[87] (WO2016/026908)
[30] DE (10 2014 111 871.5) 2014-08-20

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[51] **Int.Cl. A61C 8/00 (2006.01) A61C 1/08 (2006.01) A61C 13/00 (2006.01)**
[25] EN
[54] **ABUTMENT TOOL SET, AND DEVICE FOR PRODUCING TOOTH REPLACEMENTS**
[54] **KIT D'INSTRUMENTS POUR PILIERS ET DISPOSITIF DE REALISATION DE PROTHESE DENTAIRE**
[72] BURGER, GORAN, CH
[72] PESCHKE, ARNDT, LI
[73] IVOCLAR VIVADENT AG, LI
[85] 2017-02-13
[86] 2015-11-13 (PCT/EP2015/076545)
[87] (WO2016/075284)
[30] EP (14193336.6) 2014-11-14

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[13] C
[51] **Int.Cl. A61K 6/76 (2020.01) A61K 6/54 (2020.01) A61K 6/884 (2020.01) C01B 13/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF A PARTICULATE DENTAL FILLER COMPOSITION**
[54] **PROCEDE DE PREPARATION DE COMPOSITION DE CHARGE DENTAIRE PARTICULAIRE**
[72] WALZ, UWE, DE
[72] WEBER, CHRISTOPH, DE
[72] MAIER, MAXIMILIAN, DE
[73] DENTSPLY DETREY GMBH, DE
[85] 2017-02-14
[86] 2016-02-04 (PCT/EP2016/052357)
[87] (WO2016/124679)
[30] EP (15154019.2) 2015-02-05

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[13] C
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/422 (2006.01) A61K 31/427 (2006.01) A61K 31/428 (2006.01) A61K 31/433 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/4725 (2006.01) A61P 25/28 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **1-CYANO-PYRROLIDINE DERIVATIVES AS DEUBIQUITINASE INHIBITORS (DUB) AND USE THEREOF**
[54] **DERIVES DE 1-CYANO-PYRROLIDINE COMME INHIBITEURS DE DEUBIQUITINASE (DUB)ET UTILISATION CONNEXE**
[72] JONES, ALISON, GB
[72] KEMP, MARK IAN, GB
[72] STOCKLEY, MARTIN LEE, GB
[72] GIBSON, KARL RICHARD, GB
[72] WHITLOCK, GAVIN ALISTAIR, GB
[72] MADIN, ANDREW, GB
[73] MISSION THERAPEUTICS LTD, GB
[85] 2017-02-16
[86] 2015-09-22 (PCT/GB2015/052729)
[87] (WO2016/046530)
[30] GB (1416754.8) 2014-09-23

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[13] C
[51] **Int.Cl. H01M 4/62 (2006.01) B82Y 30/00 (2011.01) H01G 11/36 (2013.01)**
[25] EN
[54] **ELECTROCHEMICAL DEVICES COMPRISING NANOSCOPIC CARBON MATERIALS MADE BY ADDITIVE MANUFACTURING**
[54] **DISPOSITIFS ELECTROCHIMIQUES COMPRENANT DES MATERIAUX EN CARBONE NANOSCOPIQUES CONCUS PAR FABRICATION ADDITIVE**
[72] STOLYAROV, DANIEL, US
[72] POLYAKOVA, ELENA, US
[72] POMESTCHENKO, IRINA, US
[73] G6 MATERIALS CORP., US
[85] 2017-02-23
[86] 2015-08-28 (PCT/US2015/047516)
[87] (WO2016/036607)
[30] US (62/044,871) 2014-09-02

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[13] C
[51] **Int.Cl. H04H 60/12 (2009.01) H04H 60/25 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO RECLAIM UNUSED THROUGHPUT IN AN SDARS SYSTEM**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION DE DEBIT NON UTILISE DANS UN SYSTEME SDARS**
[72] SCHELL, EDWARD, US
[72] SCARPA, CARL, US
[72] GOSLIN, JOHN, US
[73] SIRIUS XM RADIO INC., US
[85] 2017-02-27
[86] 2015-09-03 (PCT/US2015/048401)
[87] (WO2016/036981)
[30] US (62/045,385) 2014-09-03

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[13] C
[51] **Int.Cl. C08F 4/6592 (2006.01) B01J 37/00 (2006.01) C10G 50/00 (2006.01)**
[25] EN
[54] **CATALYST ACTIVATORS, METHODS OF PREPARATION AND USE IN POLYMERIZATION PROCESSES**
[54] **ACTIVATEURS CATALYTIQUES, PROCEDES DE PREPARATION ET UTILISATION DANS DES PROCEDES DE POLYMERISATION**
[72] MUNRO, IAN M., US
[72] CANN KEVIN J., US
[73] UNIVATION TECHNOLOGIES, LLC, US
[85] 2017-02-28
[86] 2015-08-26 (PCT/US2015/046955)
[87] (WO2016/036559)
[30] US (62/045,225) 2014-09-03

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[13] C
[51] **Int.Cl. B03D 1/00 (2006.01)**
[25] EN
[54] **USE OF BRANCHED ALCOHOLS AND ALKOXYLATES THEREOF AS SECONDARY COLLECTORS**
[54] **UTILISATION D'ALCOOLS RAMIFIES ET D'ALCOXYLATES DE CEUX-CI EN TANT QUE COLLECTEURS SECONDAIRES**
[72] SMOLKO-SCHVARZMAYR, NATALIJA, SE
[72] KLINGBERG, ANDERS, SE
[72] HENRIKSSON, ELISABETH, SE
[72] NORDBERG, HENRIK, SE
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-03-01
[86] 2015-09-15 (PCT/EP2015/071003)
[87] (WO2016/041916)
[30] EP (14185418.2) 2014-09-18

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[13] C
[51] **Int.Cl. C08F 2/06 (2006.01) C08F 297/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ANIONIC POLYMER**
[54] **PROCEDE DESTINE A PRODUIRE UN POLYMERE ANIONIQUE**
[72] HATANAKA, YASUHIRO, JP
[72] TSUJI, TOMOAKI, JP
[72] SUNAGA, SYUICHI, JP
[73] KURARAY CO., LTD., JP
[85] 2017-03-02
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[54] **A FLOW REGULATING DEVICE IN THE HEART**
[54] **DISPOSITIF DE REGULATION DU DEBIT DANS LE COEUR**
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[72] AKPINAR, MEHMET HAKAN, TR
[73] OCCLUTECH HOLDING AG, CH
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[54] **REPEATED FED-BATCH CULTURE METHODS**
[54] **PROCEDES DE CULTURE A ECOULEMENT DISCONTINU REPETE**
[72] BERRYMAN, KEVIN, CA
[72] SUN, ZHIYONG, CA
[72] MILWAY, MICHAEL, CA
[72] VALENTINE, MERCIA, CA
[72] ARMENTA, ROBERTO E., CA
[73] MARA RENEWABLES CORPORATION, CA
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[54] **FUSED BICYCLIC (HETERO)AROMATIC COMPOUNDS USEFUL FOR THE TREATMENT OF CANCERS**
[54] **COMPOSES (HETERO)AROMATIQUES BICYCLIQUES CONDENSES UTILES POUR LE TRAITEMENT DE CANCERS**
[72] BINGHAM, MATILDA, GB
[72] TESTAR, RICHARD, GB
[72] GIGNOUX, CAMILLE, GB
[73] JAZZ PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2017-03-07
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[25] EN
[54] **HOOF SHOE FOR A HOOFED ANIMAL, PREFERABLY A HORSE**
[54] **CHAUSSURE POUR SABOT D'UN ONGULE, DE PREFERENCE UN CHEVAL**
[72] EBERLE, ARMIN, CH
[72] MARAFFIO, ENRICO, CH
[73] GUDO AG, CH
[85] 2017-03-07
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[54] **IMPROVED LECITHIN DERIVED FROM HIGH-OLEIC SOYBEANS**
[54] **LECITHINE AMELIOREE ISSUE DE GRAINES DE SOJA A FORTE TENEUR EN ACIDE OLEIQUE**
[72] EVERARD, JOHN D., US
[72] KNOWLTON, SUSAN, US
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US
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[54] **SYSTEME DE DIAGNOSTIC DE CABLE ELECTRIQUE**
[72] SZATKOWSKI, ANDRZEJ PAWEL, US
[72] MASHIKIAN, MATTHEW S., US
[73] INSTRUMENT MANUFACTURING COMPANY, US
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[54] **UNIVERSAL MULTI-PURPOSE COMPARTMENTALIZED TELECOMMUNICATIONS BOX**
[54] **BOITIER DE TELECOMMUNICATIONS COMPARTIMENTE MULTIFONCTION UNIVERSEL**
[72] HANSON, BRIAN K., US
[72] CARAPELLA, PETER A., US
[73] PPC BROADBAND, INC., US
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[54] **A PROSTHETIC INTERVERTEBRAL DISC JOINT ASSEMBLY**
[54] **ENSEMBLE ARTICULATION DE DISQUE INTERVERTEBRAL PROTHETIQUE**
[72] FITZPATRICK, NOEL, GB
[73] FITZBIONICS LIMITED, GB
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[54] **MEDICAL DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS MEDICAUX ET PROCEDES ASSOCIES**
[72] RYAN, PAUL THOMAS, GB
[72] AUTON, KEVIN ANDREW, GB
[73] ASEPTIKA LTD, GB
[85] 2017-03-24
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[54] **METHOD FOR INSPECTING A LIQUID METAL BY ULTRASOUNDS**
[54] **PROCEDE DE CONTROLE PAR ULTRASONS D'UN METAL LIQUIDE**
[72] ACHARD, JEAN-LOUIS, FR
[72] LE BRUN, PIERRE, FR
[73] CONSTELLIUM ISSOIRE, FR
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[54] **COLLAPSIBLE PLASTIC BOTTLE FOR WATER DISPENSERS**
[54] **BOUTEILLE EN PLASTIQUE COMPRESSIBLE POUR DISTRIBUTEURS D'EAU**
[72] COROCHER, CARLO, IT
[72] POLLINI, MICHELE, IT
[72] ZANETTE, DINO ENRICO, IT
[72] ZOPPAS, MATTEO, IT
[73] S.I.P.A. SOCIETA' INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
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[54] **LIQUID TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE LIQUIDE**
[72] KRIHELI, MARINO, IL
[73] EQUASHIELD MEDICAL LTD., IL
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[25] EN
[54] **METHOD FOR PREPARING A FRESH BREWED COLD COFFEE BEVERAGE AND COFFEE MACHINE FOR CONDUCTING SUCH METHOD**
[54] **PROCEDE DE PREPARATION D'UNE BOISSON FROIDE AU CAFE FRAICHEMENT INFUSE ET MACHINE A CAFE POUR REALISER UN TEL PROCEDE**
[72] TRUNINGER, RUDI, US
[72] ECKENHAUSEN, STEVEN, US
[73] SCHAERER AG, CH
[85] 2017-04-03
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[54] **ANALYSE DE POLYMERES, A BASE DE NANOPORE, A L'AIDE DE MARQUEURS FLUORESCENTS A DESACTIVATION MUTUELLE**
[72] HUBER, MARTIN, US
[73] QUANTAPORE, INC., US
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[25] EN
[54] **CARBON NANOTUBES DISPOSED ON METAL SUBSTRATES WITH ONE OR MORE CAVITIES**
[54] **NANOTUBES DE CARBONE DISPOSES SUR SUBSTRATS METTALIQUES AVEC UNE OU PLUSIEURS CAVITE(S)**
[72] NGUYEN, CATTIEN V., US
[72] BE, VAN VO, US
[73] NTHERMA CORPORATION, US
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[54] **ULTRA-HIGH SALINITY SURFACTANT FORMULATION**
[54] **FORMULATION DE TENSIOACTIF A SALINITE ULTRA-ELEVEE**
[72] SALAZAR, LUIS C., US
[72] LEWIS, DAVID C., US
[72] GODAVARTHY, SRINIVASA, US
[73] INDORAMA VENTURES OXIDES LLC, US
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[54] **TAPIS A COUCHE AMOVIBLE**
[72] KEENE, JAMES R., US
[73] KEENE BUILDING PRODUCTS CO., INC., US
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[25] EN
[54] **DRAINAGE FOR A TELESCOPE SECTION OF A LANDING STRING**
[54] **DRAINAGE POUR TRONCON TELESCOPIQUE D'UNE TIGE DE POSE**
[72] SKINNES, KENNETH, NO
[73] WELLPARTNER AS, NO
[85] 2017-04-21
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[25] EN
[54] **A PROCESS FOR PREPARING WATER-DISPERSIBLE SINGLE-CHAIN POLYMERIC NANOPARTICLES**
[54] **PROCEDE DE PREPARATION DE NANOPARTICULES POLYMERES A UNE SEULE CHAINE DISPERSIBLES DANS L'EAU**
[72] AIERTZA OTXOTORENA, MIREN KARMELE, ES
[72] SANCHEZ ABELLA, LAURA, ES
[72] BENITO COLLADO, ANA BELEN, ES
[72] LOINAZ BORDONABE, IRAIDA, ES
[72] CABANERO, GERMAN, ES
[72] GRANDE, HANS-JURGEN, ES
[72] MARRADI, MARCO, ES
[72] GRACIA ESPANA, RAQUEL, ES
[73] FUNDACION CIDETEC, ES
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[54] **APPAREIL DE THERAPIE RESPIRATOIRE**
[72] RICHARDS, FREDRICK M., US
[73] SMITHS MEDICAL INTERNATIONAL LIMITED, GB
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[54] **TREATMENT OR PREVENTION OF ANAEMIA IN PREGNANT NON-HUMAN MAMMALS**
[54] **TRAITEMENT OU PREVENTION DE L'ANEMIE CHEZ DES MAMMIFERES NON HUMAINS GRAVIDES**
[72] RECKE, CHRISTIAN VON DER, DK
[72] CHRISTENSEN, TOBIAS S., DK
[72] ANDREASEN, HANS, DK
[72] THOMSEN, LARS LYKKE, DK
[73] PHARMACOSMOS HOLDING A/S, DK
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[25] EN
[54] **METHOD FOR DETERMINING THE ORIGIN OF A MIXTURE OF CONSTITUENTS BY SPECTRAL ANALYSIS**
[54] **METHODE POUR DETERMINER L'ORIGINE D'UN MELANGE DE CONSTITUANTS PAR ANALYSE SPECTRALE**
[72] LAMBERT, DIDIER, FR
[72] SAINT MARTIN, CLAUDE, FR
[72] SANCHEZ, MIGUEL, FR
[72] RIBERO, BERNARD, FR
[73] TOPNIR SYSTEMS SAS, FR
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[54] **SERINGUE AUTO-ORIENTEE ET INTERFACE DE SERINGUE**
[72] COWAN, KEVIN P., US
[72] TUCKER, BARRY L., US
[72] UBER, ARTHUR E., III, US
[72] RHINEHART, EDWARD J., US
[72] SPOHN, MICHAEL A., US
[72] NEIL, JAMES R., US
[72] WILLIAMS, GLEN P., US
[73] BAYER HEALTHCARE LLC, US
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[54] **METHOD OF PRODUCTION OF GRAFT CO-POLYMER EXCIPIENT WITH A SUPERIOR PEPTIDE AND PROTEIN BINDING PROPERTY**
[54] **PROCEDE DE PRODUCTION D'EXCIPIENT COPOLYMERE GREFFE PRESENTANT UNE EXCELLENTE PROPRIETE DE LIAISON DE PEPTIDES ET DE PROTEINES**
[72] JONES, CYNTHIA C., US
[72] ALFARO, JOSHUA F., US
[72] CASTILLO, GERARDO M., US
[73] PHARMAIN CORPORATION, US
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[25] EN
[54] **SURGICAL GRAFTS FOR REPLACING THE NIPPLE AND AREOLA OR DAMAGED EPIDERMIS**
[54] **GREFFES CHIRURGICALES VISANT A REMPLACER LE MAMELON ET L'AREOLE OU UN EPIDERME ENDOMMAGE**
[72] PASHOS, NICHOLAS C., US
[72] BUNNELL, BRUCE A., US
[73] THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND, US
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[54] **METHOD FOR MANUFACTURING A PART FOR A TURBOMACHINE**
[54] **PROCEDE D'ELABORATION D'UNE PIECE DE TURBOMACHINE**
[72] MOTTIN, JEAN-BAPTISTE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
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[54] **METHOD FOR PREDICTING RESISTANCE**
[54] **PROCEDE DE PREDICTION D'UNE RESISTANCE**
[72] SANTI, NINA, NO
[72] MOEN, THOMAS, NO
[72] ODEGARD, JORGEN, NO
[73] AQUA GEN AS, NO
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[86] 2015-11-18 (PCT/NO2015/050218)
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[25] EN
[54] **TRANSFORMER IN-SITU INSPECTION VEHICLE WITH A CAGE HULL**
[54] **TRANSFORMATEUR DE VEHICULE D'INSPECTION IN SITU AVEC COQUE DE CAGE**
[72] ROSSANO, GREGORY F., US
[72] EAKINS, WILLIAM, US
[72] LASKO, DANIEL T., US
[72] FUHLBRIGGE, THOMAS A., US
[72] SALM, ANDREW M., US
[72] ZHANG, GEORGE, US
[73] HITACHI ENERGY SWITZERLAND AG, CH
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[25] EN
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[54] **PROTECTION CONTRE LA CORROSION POUR BUSES DE PISTOLET A PLACEMENT ET PROCEDE DE PROTECTION DE BUSES DE PISTOLET**
[72] HAWLEY, DAVE, US
[72] MOLZ, RONALD J., US
[72] COLMENARES, JOSE, US
[73] OERLIKON METCO (US) INC., US
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[25] EN
[54] **MEDICAL DEVICE FOR TREATMENT OF DEFECTIVE BLOOD VESSELS, BODY CAVITIES, AND BODY DUCTS**
[54] **DISPOSITIF MEDICAL POUR LE TRAITEMENT DE VAISSEAUX SANGUINS, DE CAVITES CORPORELLES ET DE CONDUITS CORPORELS DEFECTUEUX**
[72] AKESSON, MICHAEL, SE
[73] MEDVASC AB, SE
[85] 2017-05-16
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[25] EN
[54] **WARHEAD FOR GENERATING A BLAST ON AN EXTENDED REGION OF A TARGET SURFACE**
[54] **OGIVE POUR GENERER UNE EXPLOSION SUR UNE ZONE ETENDUE D'UNE SURFACE CIBLE**
[72] TEPER, YOSEF, IL
[72] NADAV, TAL, IL
[72] LEUS, VITALI, IL
[73] RAFAEL ADVANCED DEFENSE SYSTEMS LTD., IL
[85] 2017-05-24
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[51] **Int.Cl. C07D 319/06 (2006.01) A61K 8/49 (2006.01) A61Q 13/00 (2006.01) C07D 317/12 (2006.01) C07D 321/06 (2006.01) C11B 9/00 (2006.01)**
[25] EN
[54] **NOVEL ACETALS OF 1-(3,3-DIMETHYLCYCLOHEX-1-ENEYL) ETHANONE, METHOD FOR THE PRODUCTION THEREOF AND USE OF SAME IN PERFUMERY**
[54] **NOUVEAUX ACETALAS DE 1-(3,3-DIMETHYLCYCLOHEX-1-ENEYL) CETENE, METHODE DEFABRICATION ET UTILISATION CONNEXE EN PARFUMERIE**
[72] MURATORE, AGNES, FR
[72] MAHAIM, CYRIL, CH
[73] V. MANE FILS, FR
[85] 2017-05-31
[86] 2015-12-14 (PCT/FR2015/053495)
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[30] FR (1462834) 2014-12-18

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[51] **Int.Cl. B29C 64/10 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01)**
[25] EN
[54] **3D PRINTING USING PHASE CHANGING MATERIALS AS SUPPORT**
[54] **IMPRESSION 3D UTILISANT DES MATERIAUX DE CHANGEMENT DE PHASE EN TANT QUE SUPPORT**
[72] MARQUEZ, SAMANTHA M., US
[72] FERNANDEZ-NIEVES, ALBERTO, US
[72] ANGELINI, THOMAS, ETTOR, US
[72] CHANG, YA-WEN, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[73] GEORGIA TECH RESEARCH CORPORATION, US
[73] MARQUEZ, SAMANTHA M., US
[85] 2017-06-01
[86] 2015-12-04 (PCT/US2015/064063)
[87] (WO2016/090286)
[30] US (62/088,385) 2014-12-05

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[51] **Int.Cl. C12P 19/14 (2006.01) C12P 7/06 (2006.01) C12P 7/10 (2006.01)**
[25] EN
[54] **PROCESS FOR ENZYMATIC HYDROLYSIS OF LIGNOCELLULOSIC MATERIAL AND FERMENTATION OF SUGARS**
[54] **PROCEDE D'HYDROLYSE ENZYMATIQUE DE MATIERE LIGNOCELLULOSIQUE ET DE FERMENTATION DE SUCRES**
[72] NOORDAM, BERTUS, NL
[73] DSM IP ASSETS B.V., NL
[85] 2017-06-05
[86] 2015-12-16 (PCT/EP2015/079973)
[87] (WO2016/096971)
[30] EP (14199262.8) 2014-12-19

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[51] **Int.Cl. H02J 3/36 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **PASSIVE ISLANDING-TO-GRID-CONNECTED SWITCH METHOD**
[54] **PROCEDE DE COMMUTATION D'ILOT A RESEAU**
[72] DONG, YUNLONG, CN
[72] TIAN, JIE, CN
[72] HU, ZHAOQING, CN
[72] LI, HAIYING, CN
[72] CAO, DONGMING, CN
[72] LIU, HAIBIN, CN
[72] LU, YU, CN
[73] NR ELECTRIC CO., LTD., CN
[73] NR ENGINEERING CO., LTD., CN
[85] 2017-06-07
[86] 2015-12-09 (PCT/CN2015/096747)
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[51] **Int.Cl. G02B 5/26 (2006.01) G01J 3/02 (2006.01) G02B 17/00 (2006.01)**
[25] FR
[54] **OPTICAL FILTERING DEVICE FOR DETECTING GAS**
[54] **DISPOSITIF DE FILTRAGE OPTIQUE POUR LA DETECTION DE GAZ**
[72] MORIN, NATHALIE, FR
[72] BERNASCOLLE, PHILIPPE, FR
[72] FERVEL, FRANCK, FR
[72] DRUART, GUILLAUME, FR
[73] BERTIN TECHNOLOGIES, FR
[85] 2017-06-08
[86] 2015-12-11 (PCT/FR2015/053456)
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[51] **Int.Cl. A23C 13/14 (2006.01)**
[25] EN
[54] **METHODS OF PREVENTING AND TREATING BRONCHOPULMONARY DYSPLASIA USING HIGH FAT HUMAN MILK PRODUCTS**
[54] **PROCEDES DE PREVENTION ET DE TRAITEMENT DE LA DYSPLASIE BRONCHOPULMONAIRE AU MOYEN DE PRODUITS LAITIERS HUMAINS A HAUTE TENEUR EN MATIERE GRASSE**
[72] LEE, MARTIN, US
[72] ELSTER, SCOTT, US
[72] FOURNELL, JOSEPH, US
[73] PROLACTA BIOSCIENCE, INC., US
[85] 2017-06-09
[86] 2015-12-30 (PCT/US2015/068050)
[87] (WO2016/109659)
[30] US (62/098,151) 2014-12-30

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[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IMMUNOASSAYS FOR HIGH POSITIVELY CHARGED PROTEINS**
[54] **DOSAGES IMMUNOLOGIQUES POUR DES PROTEINES A CHARGE POSITIVE ELEVEE**
[72] BERTOTTI, ELISA, IT
[72] CASTAGNA, VALERIA, IT
[73] ARES TRADING S.A., CH
[85] 2017-06-16
[86] 2016-01-28 (PCT/EP2016/051808)
[87] (WO2016/120387)
[30] EP (15153117.5) 2015-01-29

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[13] C
[51] **Int.Cl. F16L 47/00 (2006.01) C08L 27/24 (2006.01)**
[25] EN
[54] **CPVC PIPE FITTING HAVING IMPROVED RESISTANCE TO ENVIRONMENTAL STRESS CRACKING**
[54] **RACCORD DE TUYAUTERIE EN PVC-C AYANT UNE RESISTANCE AMELIOREE A LA CRAQUELURE SOUS L'EFFET DE CONTRAINTES**
[72] ZOOK, CHRISTOPHER D., US
[72] JULIUS, MARK D., US
[73] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2017-06-16
[86] 2015-12-17 (PCT/US2015/066280)
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[30] US (62/094,308) 2014-12-19

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[25] EN
[54] **MODIFIED LIQUID DIENE RUBBER AND RESIN COMPOSITION CONTAINING MODIFIED LIQUID DIENE RUBBER**
[54] **CAOUTCHOUC DIENIQUE LIQUIDE MODIFIE, ET COMPOSITION DE RESINE CONTENANT LEDIT CAOUTCHOUC DIENIQUE LIQUIDE MODIFIE**
[72] MOTODA, SATOSHI, JP
[72] HIRATA, KEI, JP
[73] KURARAY CO., LTD., JP
[85] 2017-06-23
[86] 2015-12-22 (PCT/JP2015/085770)
[87] (WO2016/104473)
[30] JP (2014-262448) 2014-12-25
[30] JP (2015-213215) 2015-10-29

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[25] EN
[54] **AUTOMATED ENGINEERING ORDER CREATION**
[54] **CREATION DE COMMANDE D'INGENIERIE AUTOMATISEE**
[72] ABRAHAM, MULUGHETA, US
[73] THE BOEING COMPANY, US
[86] (2972672)
[87] (2972672)
[22] 2017-07-06
[30] US (15/255,822) 2016-09-02

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **DISTRIBUTED STORAGE AND DISTRIBUTED PROCESSING STATEMENT INTERCEPTION AND MODIFICATION**
[54] **INTERCEPTION ET MODIFICATION D'INSTRUCTION DE STOCKAGE DISTRIBUE ET DE TRAITEMENT DISTRIBUE**
[72] VERMA, PRATIK, US
[72] KHANDUJA, RAKESH, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-07-07
[86] 2016-01-07 (PCT/US2016/012435)
[87] (WO2016/112164)
[30] US (62/101,341) 2015-01-08
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[51] **Int.Cl. H04L 41/142 (2022.01) H04L 43/0864 (2022.01) H04L 43/0876 (2022.01) H04L 43/0882 (2022.01) H04L 43/0894 (2022.01)**
[25] EN
[54] **DETERMINING LINK CONDITIONS OF A CLIENT LAN/WAN FROM MEASUREMENT POINT TO CLIENT DEVICES AND APPLICATION SERVERS OF INTEREST**
[54] **DETERMINATION DE CONDITIONS DE LIAISON D'UN RESEAU LOCAL (LAN)/RESEAU ETENDU (WAN) DE CLIENT D'UN POINT DE MESURE A DES DISPOSITIFS DE CLIENT ET SERVEURS D'APPLICATION D'INTERET**
[72] JAIN, KAUSTUBH, US
[72] SU, CHI-JIUN, US
[72] JAVALI, NAGESH, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2017-07-14
[86] 2016-01-14 (PCT/US2016/013491)
[87] (WO2016/115406)
[30] US (62/103,562) 2015-01-14

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[51] **Int.Cl. C22C 14/00 (2006.01) A61L 27/02 (2006.01) A61L 27/04 (2006.01) A61L 31/02 (2006.01) C22F 1/18 (2006.01) C30B 29/52 (2006.01)**
[25] EN
[54] **TITANIUM BASED CERAMIC REINFORCED ALLOY**
[54] **ALLIAGE RENFORCE DE CERAMIQUE A BASE DE TITANE**
[72] FISK, ANDREW E., US
[72] DEMCHYSHYN, ANATOLII, UA
[72] KULAK, LEONID, UA
[72] KUZMENKO, MYKOLA, UA
[73] PULSE IP, LLC, US
[86] (2974147)
[87] (2974147)
[22] 2017-07-18
[30] US (62/363,497) 2016-07-18

[11] **2,975,904**
[13] C
[51] **Int.Cl. H04N 21/462 (2011.01) H04N 21/2343 (2011.01) H04N 21/258 (2011.01) H04N 19/154 (2014.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SMART ADAPTIVE VIDEO STREAMING DRIVEN BY PERCEPTUAL QUALITY-OF-EXPERIENCE ESTIMATIONS**
[54] **PROCEDE ET SYSTEME DE DIFFUSION EN FLUX CONTINUE DE VIDEO ADAPTATIVE INTELLIGENTE PILOTEE PAR DES ESTIMATIONS DE QUALITE D'EXPERIENCE PERCEPTUELLES**
[72] WANG, ZHOU, CA
[72] ZENG, KAI, CA
[72] REHMAN, ABDUL, CA
[73] SSIMWAVE INC., CA
[85] 2017-08-04
[86] 2016-02-08 (PCT/CA2016/050111)
[87] (WO2016/123721)
[30] US (62/113,401) 2015-02-07

[11] **2,975,951**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **BIOMARKERS FOR DIAGNOSIS AND PROGNOSIS OF CORNEAL ECTATIC DISORDERS**
[54] **BIOMARQUEURS DE DIAGNOSTIC ET DE PRONOSTIC DE MALADIES ECTASIQUES DE LA CORNEE**
[72] LEMA GESTO, MARIA ISABEL, ES
[72] CASTILLO SANCHEZ, JOSE ANTONIO, ES
[72] SOBRINO MOREIRAS, TOMAS, ES
[72] CAMPOS PEREZ, FRANCISCO, ES
[73] UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, ES
[73] SERVIZO GALEGO DE SAUDE (SERGAS), ES
[85] 2017-08-04
[86] 2016-02-16 (PCT/EP2016/053293)
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[13] C
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[25] EN
[54] **TRANSMITTER, RECEIVER, AND SEMICONDUCTOR CHIP**
[54] **EMETTEUR, RECEPTEUR ET PUCE A SEMICONDUCTEUR**
[72] ASAKURA, SHINGO, JP
[72] HONDA, MADOKA, JP
[72] MURAYAMA, KENICHI, JP
[72] SHITOMI, TAKUYA, JP
[72] SAITO, SUSUMU, JP
[72] NARIKIYO, YOSHIKAZU, JP
[72] MIYASAKA, HIROAKI, JP
[72] SATOU, AKIHIKO, JP
[72] TAKEUCHI, TOMOAKI, JP
[72] TSUCHIDA, KENICHI, JP
[72] OKANO, MASAHIRO, JP
[72] TAKADA, MASAYUKI, JP
[72] SHIBUYA, KAZUHIKO, JP
[73] NHK ENGINEERING SYSTEM, INC., JP
[73] NIPPON HOSO KYOKAI, JP
[85] 2017-08-09
[86] 2016-02-09 (PCT/JP2016/000676)
[87] (WO2016/129272)
[30] JP (2015-024655) 2015-02-10
[30] JP (2015-129968) 2015-06-29

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[13] C
[51] **Int.Cl. D21H 21/40 (2006.01) B42D 25/328 (2014.01) B42D 25/45 (2014.01) D21H 21/48 (2006.01)**
[25] EN
[54] **METHOD FOR THE SURFACE APPLICATION OF A SECURITY DEVICE TO A SUBSTRATE**
[54] **PROCEDE D'APPLICATION EN SURFACE D'UN DISPOSITIF DE SECURITE A UN SUBSTRAT**
[72] PRETT, GILES D., US
[72] JAIN, MANISH, US
[72] BRIGHAM, KRAIG M., US
[73] CRANE & CO., INC., US
[85] 2017-08-09
[86] 2016-02-11 (PCT/US2016/017575)
[87] (WO2016/130822)
[30] US (62/114,699) 2015-02-11

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[13] C
[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/26 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR THE DETERMINATION OF COMPOUNDS OR COMPOSITIONS FOR THE TREATMENT OF LIPOFUSCIN RELATED DISEASES AND COMPOUNDS OR COMPOSITIONS**
[54] **PROCEDES PERMETTANT DE DETERMINER DES COMPOSES OU COMPOSITIONS POUR LE TRAITEMENT DE MALADIES LIEES A LA LIPOFUSCINE, ET COMPOSES OU COMPOSITIONS**
[72] SCHRAERMEYER, ULRICH, DE
[72] BURNET, MICHAEL, DE
[72] SENN-BILFINGER, JORG, DE
[72] STURM, ERNST, DE
[72] HANAUER, GUIDO, DE
[73] KATAIRO GMBH, DE
[73] TAKEDA GMBH, DE
[85] 2017-08-10
[86] 2015-02-13 (PCT/EP2015/053148)
[87] (WO2015/121441)
[30] EP (14155057.4) 2014-02-13

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[51] **Int.Cl. C12H 1/04 (2006.01) B01J 20/18 (2006.01) B01J 20/30 (2006.01) C01B 39/24 (2006.01) C12G 3/00 (2019.01) C12G 3/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING METAL-SUPPORTED ZEOLITE FOR ALCOHOLIC BEVERAGES, METAL-SUPPORTED ZEOLITE FOR ALCOHOLIC BEVERAGES, AND METHOD FOR PRODUCING ALCOHOLIC BEVERAGES**
[54] **PROCEDE DE PRODUCTION DE ZEOLITE SUR SUPPORT METALLIQUE POUR BOISSONS ALCOOLISEES, ZEOLITE SUR SUPPORT METALLIQUE POUR BOISSONS ALCOOLISEES ET PROCEDE DE PRODUCTION DE BOISSONS AL COOLISEES**
[72] FUKASAWA, SHUN, JP
[72] KAWASHIMA, YOSHIMI, JP
[72] KAGAMI, NARINOBU, JP
[72] HOSOI, KENJI, JP
[72] SUGIMOTO, TOSHIKAZU, JP
[73] THE NIKKA WHISKY DISTILLING CO., LTD., JP
[73] IDEMITSU KOSAN CO., LTD., JP
[85] 2017-08-11
[86] 2016-02-15 (PCT/JP2016/054321)
[87] (WO2016/133055)
[30] JP (2015-027861) 2015-02-16

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[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/235 (2011.01) H04N 21/236 (2011.01) H04N 21/24 (2011.01)**
[25] EN
[54] **VIDEO ENCODER**
[54] **CODEUR VIDEO**
[72] LAMBERT, ROBERT, GB
[72] INNES, GORDON, GB
[72] DIDSBURY, ANDREW, GB
[73] DIGITAL BARRIERS SERVICES LTD, GB
[85] 2017-08-11
[86] 2015-10-21 (PCT/GB2015/053149)
[87] (WO2016/128701)
[30] GB (1502434.2) 2015-02-13

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[13] C
[51] **Int.Cl. G01N 37/00 (2006.01) G06T 7/73 (2017.01) B01L 9/06 (2006.01) G01N 35/02 (2006.01)**
[25] EN
[54] **IMAGE-BASED TRAY ALIGNMENT AND TUBE SLOT LOCALIZATION IN A VISION SYSTEM**
[54] **ALIGNEMENT D'UN PLATEAU SUR LA BASE D'IMAGES, ET LOCALISATION DES FENTES DE TUBE DANS UN SYSTEME DE VISION**
[72] CHANG, YAO-JEN, US
[72] WISSMANN, PATRICK, DE
[72] WU, WEN, US
[72] DUMONT, GUILLAUME, FR
[72] POLLACK, BENJAMIN, US
[72] CHEN, TERRENCE, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2017-08-16
[86] 2016-02-16 (PCT/US2016/018100)
[87] (WO2016/133919)
[30] US (62/117,912) 2015-02-18

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[13] C
[51] **Int.Cl. G01N 1/20 (2006.01) G01N 1/00 (2006.01) G01N 1/14 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR TAKING SAMPLES FROM A SLURRY FLOW**
[54] **APPAREIL PERMETTANT DE PRELEVER DES ECHANTILLONS D'UN ECOULEMENT DE BOUE**
[72] HAMILTON LEWIS-GRAY, ALEXANDER, AU
[73] GEKKO SYSTEMS PTY LTD, AU
[85] 2017-08-24
[86] 2016-02-15 (PCT/AU2016/000039)
[87] (WO2016/134403)
[30] AU (2015900676) 2015-02-26

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[51] **Int.Cl. C23F 11/08 (2006.01) C09K 5/20 (2006.01) C23F 11/04 (2006.01)**
[25] EN
[54] **SUPER CONCENTRATE ADDITIVE SOLUTION COMPOSITION**
[54] **COMPOSITION DE SOLUTION D'ADDITIF SUPERCONCENTREE**
[72] YANG, BO, US
[72] WOYCIESJES, PETER M., US
[72] GERSHUN, ALEKSEI V., US
[73] PRESTONE PRODUCTS CORPORATION, US
[85] 2017-08-24
[86] 2016-03-04 (PCT/US2016/020831)
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[30] US (62/128,204) 2015-03-04

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[51] **Int.Cl. E03C 1/284 (2006.01) E03C 1/30 (2006.01)**
[25] EN
[54] **REMOVABLE TRAP FOR LAVATORY SINKS**
[54] **TRAPPE AMOVIBLE DESTINEE A DES LAVABOS DE CABINET DE TOILETTES**
[72] MCLEOD, CHRISTOPHER A., CA
[73] OAKVILLE STAMPING & BENDING LIMITED, CA
[86] (2978657)
[87] (2978657)
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[13] C
[51] **Int.Cl. A01N 25/00 (2006.01)**
[25] EN
[54] **MALEATED NATURAL OIL DERIVATIVES AS AGROCHEMICAL INERT INGREDIENTS**
[54] **UTILISATION DE DERIVES D'HUILE NATURELLE MALEATES COMME INGREDIENTS AGROCHIMIQUES INERTES**
[72] MEREDITH, MATTHEW T., US
[73] INDORAMA VENTURES OXIDES LLC, US
[85] 2017-09-12
[86] 2016-03-17 (PCT/US2016/022840)
[87] (WO2016/153913)
[30] US (62/137,886) 2015-03-25

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[13] C
[51] **Int.Cl. C25B 15/023 (2021.01) H01M 8/04664 (2016.01) C25B 1/042 (2021.01)**
[25] FR
[54] **LEAK DETECTION ON A HIGH-TEMPERATURE FUEL CELL OR ELECTROLYSER**
[54] **DETECTION DE FUITE SUR UN ELECTROLYSEUR OU UNE PILE A COMBUSTIBLE HAUTE TEMPERATURE**
[72] CHATROUX, ANDRE, FR
[72] DONNIER-MARECHAL, THOMAS, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2017-09-18
[86] 2016-03-14 (PCT/FR2016/050555)
[87] (WO2016/146923)
[30] FR (1552252) 2015-03-19

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[51] **Int.Cl. F02N 11/08 (2006.01)**
[25] EN
[54] **WORK VEHICLE START SYSTEM AND METHOD WITH OPTICAL VERIFICATION FOR AUTHORIZING REMOTE START**
[54] **SYSTEME DE DEMARRAGE DE VEHICULE ET METHODE DE VERIFICATION OPTIQUE VISANT A AUTORISER LE DEMARRAGE A DISTANCE**
[72] CHASTON, KEITH N., US
[72] WEST, SEAN P., US
[72] HENDRON, SCOTT S., US
[73] DEERE & COMPANY, US
[86] (2980355)
[87] (2980355)
[22] 2017-09-26
[30] US (15/597,569) 2017-05-17

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[13] C
[51] **Int.Cl. G01N 33/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXAMINING EGGS**
[54] **PROCEDE ET SYSTEME PERMETTANT D'EXAMINER DES OEUFS**
[72] ADAR, YAIR OR, IL
[72] ADAR, GAVRIEL, IL
[72] HOFFMAN, ELIAHU SHALOM, IL
[73] LIVEGG (2015) LTD, IL
[85] 2017-09-20
[86] 2015-03-24 (PCT/IL2015/050309)
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[13] C
[51] **Int.Cl. G01R 19/00 (2006.01)**
[25] EN
[54] **VIRTUAL GROUND SENSING CIRCUIT FOR HIGH IMPEDANCE VOLTAGE SENSORS**
[54] **CIRCUIT DE DETECTION DE MASSE VIRTUELLE POUR CAPTEURS DE TENSION A IMPEDANCE ELEVEE**
[72] BUELL, RICHARD R., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2017-09-26
[86] 2016-03-23 (PCT/US2016/023659)
[87] (WO2016/160439)
[30] US (62/141,584) 2015-04-01

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[13] C
[51] **Int.Cl. C10G 5/00 (2006.01) B01D 53/00 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING NITROGEN FROM A HYDROCARBON-RICH FRACTION**
[54] **PROCEDE DE SEPARATION DE L'AZOTE D'UNE FRACTION RICHE EN HYDROCARBURES**
[72] BAUER, HEINZ, DE
[72] WARTER, MICHAEL, DE
[73] LINDE AKTIENGESELLSCHAFT, DE
[85] 2017-09-27
[86] 2016-03-01 (PCT/EP2016/000353)
[87] (WO2016/155863)
[30] DE (10 2015 004 120.7) 2015-03-31

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[54] **MAINS COURANTES COMPOSITES COMPACTES AYANT DES PROPRIETES MECANIQUES AMELIOREES**
[72] BUTWELL, REGINALD ANTHONY, CA
[72] KENNY, ANDREW OLIVER, CA
[72] WONG, JASON, CA
[73] EHC CANADA, INC., CA
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[54] **FORMULATION DE BIOSTIMULANT POUR AMELIORER LA CROISSANCE VEGETALE, ET UTILISATIONS DE CELLE-CI**
[72] NORI, SRI SAILAJA, IN
[72] KUMAR, SAWAN, IN
[72] KHANDELWAL, SACHIN, IN
[72] SURYANARAYAN, SHRIKUMAR, IN
[73] SEA6 ENERGY PVT. LTD., IN
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[54] **EXPLOITATION D'UN RESEAU ALTERNATIF LOCAL AVEC UN ENSEMBLE GENERATEUR ET UN SYSTEME D'ALIMENTATION SANS COUPURE**
[72] HERBENER, FRANK, DE
[73] PILLER GROUP GMBH, DE
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[54] **TEXTILE FABRIC HAVING A WATER-REPELLENT FINISH AND METHOD FOR PRODUCING THE SAME**
[54] **TISSU TEXTILE COMPORTANT UN FINI HYDROFUGE ET METHODE DE PRODUCTION ASSOCIEE**
[72] HARTERT, RUDIGER, DE
[73] TEIJIN ARAMID GMBH, DE
[85] 2017-11-16
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[54] **METHODS FOR MAKING SHELF-STABLE CULTURED DAIRY PRODUCTS**
[54] **PROCEDES DE FABRICATION DE PRODUITS LAITIERS DE CULTURE DE LONGUE CONSERVATION**
[72] UR-REHMAN, SHAKEEL, US
[72] KOPESKY, BRANDON, US
[72] DOELMAN, TIM, US
[73] FAIRLIFE, LLC, US
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[54] **BIPOLAR ELECTRODIALYSIS METHODS AND SYSTEMS**
[54] **PROCEDE ET SYSTEMES D'ELECTRODIALYSE BIPOLAIRE**
[72] BARBER, JOHN H., CA
[72] ZHENG, YONGCHANG, US
[73] BL TECHNOLOGIES, INC., US
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[54] **OBJECT DETECTION AND INTERACTION FOR GAMING SYSTEMS**
[54] **DETECTION D'OBJETS ET INTERACTION ENTRE OBJETS POUR SYSTEMES DE JEU**
[72] KEILWERT, STEFAN, AT
[72] PIERER, FRANZ, AT
[72] AURICH, SVEN, AT
[72] IDRIS, FAYEZ, CA
[72] FROY, DAVID, CA
[73] IGT CANADA SOLUTIONS ULC, CA
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[54] **DUAL DIRECTION J-SLOT TOOL**
[54] **OUTIL A FENTE EN J A DOUBLE SENS**
[72] STYLER, GRAHAM, CA
[73] DRECO ENERGY SERVICES ULC, CA
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[54] **AUTOMATED VALIDATION OF CONDITION OF ASSEMBLY**
[54] **VALIDATION AUTOMATISEE D'ETAT D'ASSEMBLAGE**
[72] SZARSKI, MARTIN, US
[72] HAEUSLER, PHILLIP, US
[72] BAIN, DAVID MICHAEL, US
[72] BAIN, RICHARD, US
[72] GLYNN, ANDREW K., US
[72] STEELE, PETER NATHAN, US
[73] THE BOEING COMPANY, US
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[25] EN
[54] **COMPOSITION CONTAINING VEGETABLE OIL, CARAMEL AND PHENOLIC COMPOUNDS**
[54] **COMPOSITION CONTENANT DE L'HUILE VEGETALE, DU CARAMEL ET DES COMPOSES PHENOLIQUES**
[72] ACHARYA, PARAG, NL
[72] BIALEK, JADWIGA MALGORZATA, NL
[72] VAN DEN BROEK, JOHANNES HENDRIKUS MARIA, NL
[72] JANSEN, FRANCISCUS JOHANNES HENRICUS MARIA, NL
[73] UNILEVER IP HOLDINGS B.V., NL
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[54] **BLAST/IMPACT FREQUENCY TUNING AND MITIGATION**
[54] **ATTENUATION ET ACCORD EN FREQUENCE D'EXPLOSION/D'IMPACT**
[72] THOULESS, MICHAEL, US
[72] ARRUDA, ELLEN M., US
[72] RAHIMZADEH, TANAZ, US
[72] CIMONIAN, LEVON, US
[72] RICE, MARIE, US
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[54] **METHODS AND APPARATUS FOR INDUCING A NON-FUNDAMENTAL WAVE MODE ON A TRANSMISSION MEDIUM**
[54] **PROCEDES ET APPAREIL POUR INDUIRE UN MODE D'ONDE NON FONDAMENTAL SUR UN SUPPORT DE TRANSMISSION**
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] BARZEGAR, FARHAD, US
[72] GERSZBERG, IRWIN, US
[72] BARNICKEL, DONALD J., US
[72] WILLIS, THOMAS M., III, US
[72] GUNTIN, ED, US
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[54] **METHOD FOR ESTABLISHING INTERACTION RELATIONSHIP, AND INTERACTION TERMINAL**
[54] **PROCEDE PERMETTANT D'ETABLIR UNE RELATION D'INTERACTION, ET TERMINAL D'INTERACTION**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
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[54] **SYSTEME DE MANIPULATION DE STERILISATION DE RECIPIENTS SOUPLES A CORPS MINCE (POCHE)**
[72] TAMARINDO, STEFANO, IT
[73] GUALA PACK S.P.A., IT
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[54] **EEG BRAIN-COMPUTER INTERFACE PLATFORM AND PROCESS FOR DETECTION OF CHANGES TO MENTAL STATE**
[54] **PLATEFORME D'INTERFACE CERVEAU-ORDINATEUR D'ECG ET PROCEDE DE DETECTION DES MODIFICATIONS DE L'ETAT MENTAL**
[72] MYRDEN, ANDREW, CA
[72] CHAU, THOMAS TAK KIN, CA
[73] HOLLAND BLOORVIEW KIDS REHABILITATION HOSPITAL, CA
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[54] **SYSTEMS AND METHODS FOR MANAGING A UE-TO-NETWORK RELAY**
[54] **SYSTEMES ET PROCEDES DE GESTION D'UN RELAIS UE-RESEAU**
[72] SUZUKI, TAKASHI, JP
[72] VUTUKURI, ESWAR, GB
[72] FAURIE, RENE, FR
[73] BLACKBERRY LIMITED, CA
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[54] **BIT CONFIGURATION FOR A CUTTER HEAD**
[54] **CONFIGURATION DE TREPAN DESTINEE A UNE TETE DE COUPE**
[72] TIRYAKI, BULENT, US
[72] BAYNE, DAVID, US
[72] MEADE, DAVID, US
[73] JOY GLOBAL UNDERGROUND MINING LLC, US
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[54] **THERAPIE GENIQUE RPGR POUR LE TRAITEMENT DE LA RETINITE PIGMENTAIRE**
[72] SANDBERG, MICHAEL A., US
[72] PAWLYK, BASIL, US
[72] WRIGHT, ALAN FINLAY, GB
[72] SHU, XINHUA, GB
[72] LI, TIANSEN, US
[72] ALI, ROBIN, GB
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[54] **DISJONCTEUR**
[72] KOPF, HENDRIK-CHRISTIAN, DE
[72] WILKENING, ERNST-DIETER, DE
[73] ELLENBERGER & POENSGEN GMBH, DE
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[54] **AERONEF, AILES D'AERONEF ET BARRES DE CISAILLEMENT ASSOCIEES**
[72] TROP, DAVID WESLEY, US
[72] STICKLER, PATRICK B., US
[72] KOCH, WILLIAM JOHN, US
[72] PALMER, BENJAMIN JOSEPH, US
[73] THE BOEING COMPANY, US
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[54] **MATERIAU DE CONSTRUCTION EXTERIEURE DU TYPE BRIQUE A BASE DE POLYMERE**
[72] SERINO, ROLAND, US
[72] PRESTON, WILLIAM M., US
[72] LOMBARDI, ROBERT, US
[73] TREMCO CPG INC., US
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[54] **METHOD AND SYSTEM FOR PROCESSING DENTAL PROSTHESES**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE PROTHESES DENTAIRES**
[72] RYNERSON, MICHAEL LANDRY, CA
[72] ROY, PIERRE-OLIVIER, CA
[72] PEROT, JEAN-MARC, CA
[72] PROVOST, ROBIN, CA
[73] DENTAL WINGS INC., CA
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[54] **METHOD AND SYSTEM FOR EXTRACTING INFORMATION FROM HAND-MARKED INDUSTRIAL INSPECTION SHEETS**
[54] **METHODE ET SYSTEME D'EXTRACTION D'INFORMATION DE FEUILLETS D'INSPECTION INDUSTRIELLE ECRITS A LA MAIN**
[72] GUPTA, GAURAV, IN
[72] SHARMA, MONIKA, IN
[72] VIG, LOVEKESH, IN
[72] SWATI, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
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[54] **GRAPHENE OXIDE BASED ACOUSTIC TRANSDUCER METHODS AND DEVICES**
[54] **PROCEDES ET DISPOSITIFS DE TRANSDUCTEURS ACOUSTIQUES A BASE D'OXYDE DE GRAPHENE**
[72] GASKELL, PETER, CA
[72] GASKELL, ROBERT-ERIC, CA
[72] SZKOPEK, THOMAS, CA
[72] HONG, JUNG WOOK, CA
[73] ORA GRAPHENE AUDIO INC., AF
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[54] **ANTIBODY NEUTRALIZING HUMAN RESPIRATORY SYNCYTIAL VIRUS**
[54] **ANTICORPS NEUTRALISANT LE VIRUS SYNCYTIAL RESPIRATOIRE HUMAIN**
[72] VORA, KALPIT A., US
[72] COX, KARA S., US
[72] TANG, AIMIN, US
[72] CHEN, ZHIFENG, US
[72] DISTEFANO, DANIEL, US
[72] ZHANG, LAN, US
[72] SU, HUA-POO, US
[73] MERCK SHARP & DOHME LLC, US
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[54] **RAM ACCELERATOR SYSTEM WITH RAIL TUBE**
[54] **SYSTEME ACCELERATEUR DE MOUTON AVEC TUBE A RAIL**
[72] RUSSELL, MARK C., US
[72] ELDER, TIMOTHY JOHN, US
[73] HYPERSCIENCES, INC., US
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[54] **EXTRACTOR FOR EXTRACTING CONICAL SPACERS IN CONCRETE WALLS OR PILLARS AND ASSOCIATED METHOD**
[54] **EXTRACTEUR POUR EXTRAIRE LES CONES D'ENTRETOISES DE MURS OU DE PILIERS DE BETON, ET PROCEDE ASSOCIE**
[72] ELDUAYEN MADARIAGA, JUAN ANDRES, ES
[72] SANCHEZ GARDUNO, JAVIER, ES
[73] 20 EMMA 20 S.L., ES
[73] HEGAIN 2100 CONSULTING S.L., ES
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[54] **TECHNIQUES FOR DETERMINING CLIENT-SIDE EFFECTS OF SERVER-SIDE BEHAVIOR USING CANARY ANALYSIS**
[54] **TECHNIQUES PERMETTANT DE DETERMINER DES EFFETS COTE CLIENT D'UN COMPORTEMENT COTE SERVEUR PAR ANALYSE CANARI**
[72] COHEN, MICHAEL LLOYD, US
[73] NETFLIX, INC., US
[85] 2018-04-20
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[54] **LIGHT MODULATION FOR IMPROVED PHOTOACOUSTIC FEEDBACK ON LIGHT-INDUCED TREATMENTS AND PROCEDURES**
[54] **MODULATION D'ECLAIRAGE DESTINEE A AMELIORER LA RETROACTION PHOTOACOUSTIQUE DES TRAITEMENTS ET INTERVENTIONS INDUITS PAR LA LUMIERE**
[72] BROWN, ROBERT B., CA
[72] DUFOUR, SUZIE, CA
[72] GALLANT, PASCAL, CA
[72] MERMUT, OZZY, CA
[72] DELADURANTAYE, PASCAL, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[86] (3004065)
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[54] **SOUS-ENSEMBLE DE CIRCULATION**
[72] HARDY, JAMES, GB
[72] BOOTH, MARK, GB
[72] OLLERENSHAW, ANDREW, GB
[72] HUNTER, GORDON, GB
[73] INTELLIGENT DRILLING TOOLS LIMITED, GB
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[54] **METHOD FOR LACING A SHOE**
[54] **METHODE POUR LACER UNE CHAUSSURE**
[72] BOCK, MARKUS, DE
[72] MAUSSNER, RANDOLPH, DE
[73] PUMA SE, DE
[85] 2018-05-08
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[54] **APPARITION REPORTEE DE L'HYDRATATION DE LA CHAUX VIVE**
[72] CHUN, BYONG-WA, US
[73] GCP APPLIED TECHNOLOGIES INC., US
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[54] **SOLUTIONS DE REVETEMENT COPOLYMERE AQUEUX-ALCOOLIQUE ACIDIFIE, REVETEMENTS AINSI FORMES ET DISPOSITIFS MEDICAUX REVETUS**
[72] RHODES, ALAN, GB
[72] HUDDART, BETHANY SHEILA, GB
[73] BIOINTERACTIONS LTD., GB
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[54] **METHOD AND APPARATUS FOR CRIMPING AND CUTTING POUCHED DOUGH PRODUCTS**
[54] **PROCEDE ET APPAREIL DE GAUFRAGE ET DE DECOUPE DE PRODUITS DE PATE ENSACHES**
[72] WEINSTEIN, JAMES, US
[73] GENERAL MILLS, INC., US
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[54] **APPAREIL DE TRAITEMENT DE SIGNAL VIDEO**
[72] MURAKAMI, NOBUYUKI, JP
[73] IMAGENICS CO., LTD., JP
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[54] **SALTS OF CONJUGATES FOR CANCER THERAPY**
[54] **SELS DE CONJUGUES EN CANCERO-THERAPIE**
[72] GENGRINOVITCH, STELA, IL
[73] BIOSIGHT LTD., IL
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[54] **OUTIL DE FORAGE ORIENTABLE ROTATIF**
[72] BARGACH, SAAD, US
[72] BONNER, STEPHEN D., US
[72] NOLD, RAYMOND V., III, US
[72] MASSEY, JAMES P., US
[72] BRUNETTI, JON A., US
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[54] **METHODS FOR PROTEOME DOCKING TO IDENTIFY PROTEIN-LIGAND INTERACTIONS**
[54] **PROCEDES POUR UN ACCROCHAGE DE PROTEOME AFIN D'IDENTIFIER DES INTERACTIONS PROTEINE-LIGAND**
[72] MACKINNON, STEPHEN SCOTT, CA
[72] MORAYNISS, LEONARD DAVID, CA
[72] MITAKIDIS, JASON, CA
[72] GWADRY, FAUD G, CA
[73] CYCLICA INC., CA
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[54] **DECOUPAGE EN CANAUX DE RAFALE DE LIAISON DESCENDANTE COMMUNE**
[72] JI, TINGFANG, US
[72] SMEE, JOHN EDWARD, US
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] ZENG, WEI, US
[72] JIANG, JING, US
[73] QUALCOMM INCORPORATED, US
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[54] **ROBINET A MEMBRANE**
[72] LANDACRE, BRETT ANTHONY, US
[73] MAC VALVES, INC., US
[86] (3011059)
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[54] **HAIR BAND WITH HAIR-CARRYING STRIPS**
[54] **BANDEAU A CHEVEUX DOTE DE BANDES DE SUPPORT DE CHEVEUX**
[72] ALEX, GUNTER, DE
[73] BEAUTY INDUSTRY GROUP GMBH & CO. KG, DE
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[54] **PROCEDE DE FABRICATION D'UN ALCOOL A CHAINE LONGUE CYCLOHEXENONE DE GRANDE PURETE**
[72] ZHANG, JIAN, CN
[72] JIANG, DEHUI, CN
[72] SHEN, XIAOJUN, CN
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
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[54] **APPARATUS AND METHOD FOR DRX MECHANISMS FOR SINGLE HARQ PROCESS OPERATION IN NB-IOT**
[54] **APPAREIL ET PROCEDE POUR MECANISMES DRX POUR EXPLOITATION DE PROCESSUS HARQ SEUL DANS L'IDO-NB**
[72] WU, CHUNLI, CN
[72] SEBIRE, BENOIST PIERRE, JP
[73] NOKIA TECHNOLOGIES OY, FI
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[54] **ASEPTIC PROTEIN BEVERAGE AND METHOD OF PREPARATION**
[54] **BOISSON ASEPTIQUE A BASE DE PROTEINES ET SON PROCEDE DE PREPARATION**
[72] WOLF, MICHELE, US
[72] SMITH, ERIKA, US
[72] FIREBAUGH, JON, US
[73] GENERAL MILLS, INC., US
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[54] **SWITCH NETWORK HOUSING**
[54] **BOITIER DE RESEAU DE COMMUTATEUR**
[72] RUMER, SIMON, GB
[72] MORRIS, IAN, GB
[72] BOUZEKRI, OILID, GB
[72] HAMER, MAURICE JOSEPH, GB
[73] AIRBUS DEFENCE AND SPACE LIMITED, GB
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[54] **DEVICES AND METHODS FOR PROVIDING NOTIFICATIONS**
[54] **DISPOSITIFS ET PROCEDES D'ENVOI D'AVIS**
[72] KURUVILLA, DENNY DEVASIA, CA
[72] GJINI, ESLI, CA
[72] REEVE, SARAH, CA
[72] BOSNJAKOVIC, MATIJA, CA
[72] GUY, DAGMARA, CA
[72] SAMRA, JASPAL SINGH, CA
[72] NATARAJAN, ABHINEY, CA
[72] LI, HAOBIN, CA
[72] YU, RICHARD, CA
[72] CHOWDHURY, MD ABDUR RAZZAK, CA
[72] GLYNN-UDROW, NOLAN, CA
[72] DANI, KARTIKAY, CA
[72] WU, RYAN, CA
[72] PETROV, ANDREY, CA
[72] HORVATH, PETER, CA
[73] THE TORONTO-DOMINION BANK, CA
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[54] **ERGONOMIC CONTAINER WITH THUMB HOLE**
[54] **CONTENANT ERGONOMIQUE DOTE D'UN TROU POUR LE POUCE**
[72] BERGMAN, MARK W., US
[72] GIVEN, JEFFREY T., US
[72] LEYDEN, MATTHEW V., US
[72] WAFFENSMITH, JEFFREY B., US
[73] BERCOM INTERNATIONAL, LLC, US
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[54] **DYNAMIC USER INTERFACE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D`INTERFACE UTILISATEUR DYNAMIQUE**
[72] COLLINSON, JOHN MICHAEL, CA
[72] COONEY, CHRISTOPHER WILLIAM, CA
[72] VOUTOUR, RUSSELL, CA
[72] DEMERS, MARIE-JULIE, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[73] THE TORONTO-DOMINION BANK, CA
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[54] **HANDLING DIFFERENT SUBFRAME SETS FOR UPLINK 256QAM**
[54] **GESTION DE DIFFERENTS ENSEMBLES DE SOUS-TRAMES POUR UNE MODULATION 256QAM EN LIAISON MONTANTE**
[72] LARSSON, DANIEL, SE
[72] CHENG, JUNG-FU, US
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-09-27
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[54] **CELLULOSIC COMPOSITES COMPRISING CELLULOSE FILAMENTS**
[54] **COMPOSITES CELLULOSIQUES COMPRENANT DES FILAMENTS DE CELLULOSE**
[72] MACLEAN, BRIAN, CA
[72] ALBERS, ROD, CA
[72] CERNOHOUS, JEFFREY JACOB, US
[72] ELLIOTT, DEAN JUSTIN, US
[73] WEST FRASER MILLS LTD, CA
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[54] **SCHEDULED COMMUNICATION WITH RESOURCE PROVIDERS AND A HOME AREA NETWORK**
[54] **COMMUNICATION PROGRAMMEE AVEC DES FOURNISSEURS DE RESSOURCE ET UN RESEAU DOMESTIQUE**
[72] TURNER, JAMES RANDALL, US
[73] LANDIS+GYR INNOVATIONS, INC., US
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[54] **ANTICIPATORY CYBER DEFENSE**
[54] **CYBERDEFENSE ANTICIPATOIRE**
[72] CRAIG, JOHN A., US
[72] JADRANKA, MEAD, US
[72] VASATKA, JAMES E., US
[73] THE BOEING COMPANY, US
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[54] **SYSTEMS, METHODS, AND TOOLS FOR SPATIALLY-REGISTERING VIRTUAL CONTENT WITH PHYSICAL ENVIRONMENT IN AUGMENTED REALITY PLATFORMS**
[54] **SYSTEMES, METHODES ET OUTILS D'ENREGISTREMENT SPATIAL DE CONTENU VIRTUEL ET D'ENVIRONNEMENT PHYSIQUE DANS LES PLATEFORMES DE REALITE AUGMENTEE**
[72] DAVIES, PAUL ROBERT, US
[72] LEE, DAVID, US
[72] EVANS, GABRIEL JOSEPH, US
[73] THE BOEING COMPANY, US
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[54] **MATELAS REVERSIBLE A FERMETE VARIABLE**
[72] CARLITZ, STUART, US
[73] ECLIPSE INTERNATIONAL, US
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[54] **MAGNETIC ROTATION COMPONENT**
[54] **COMPOSANT ROTATIF MAGNETIQUE**
[72] ZEITZHEIM, MARTIN, DE
[73] MAX BAERMANN GMBH, DE
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[54] **DISPOSITIFS DE TRACTION DU PENIS**
[72] GEROLD, JASON, US
[72] HOFFMAN, ZACHARY M., US
[72] TROST, LANDON W., US
[72] TALEN, DAVID, US
[73] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[73] PATHRIGHT MEDICAL INC., US
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[54] **MULTI-MODE AND MULTI-PITCH CONVEYOR SYSTEM**
[54] **SYSTEME DE TRANSPORT A PLUSIEURS LONGUEURS ET PLUSIEURS MODES**
[72] KLEINIKKINK, ALBERT, CA
[72] TAYLOR, JAVAN, CA
[72] LEE, JEFF, CA
[72] NORTHEY, BRAD, CA
[72] JONES, JAYSON, CA
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[54] **TREATMENT AND PREVENTION OF SLEEP DISORDERS**
[54] **TRAITEMENT ET PREVENTION DES TROUBLES DU SOMMEIL**
[72] HARRIS, STEPHEN C., US
[72] KAPIL, RAM P., US
[72] KYLE, DONALD J., US
[72] WHITESIDE, GARTH, US
[73] PURDUE PHARMA L.P., US
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[54] **PLUMBING FITTINGS**
[54] **RACCORDS DE PLOMBERIE**
[72] CARDINALE, CLAUDIO, CA
[73] 9352-4585 QUEBEC INC., CA
[85] 2019-01-28
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[54] **MODULAR LINEAR FIREPLACE SYSTEM, ASSEMBLIES AND METHODS**
[54] **SYSTEME DE CHEMINEE LINEAIRE ET MODULAIRE, ENSEMBLES ET PROCEDES**
[72] RUMENS, KURT W. F., US
[72] ATEMBOSKI, ALAN R., US
[72] FOTHERINGHAM, WILLIAM ROSS, US
[72] BARBER, NICHOLAS, US
[73] TRAVIS INDUSTRIES, INC., US
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[54] **RECOVERY MATERIALS FOR CORE CONSTRUCTS AND METHODS FOR REPAIRING CORE CONSTRUCTS**
[54] **MATERIAUX A MEMOIRE DE FORME POUR STRUCTURES D'AME ET PROCEDES DE REPARATION DE STRUCTURES D'AME**
[72] CHAMBERT, MARTIN, CA
[73] BAUER HOCKEY LTD., US
[85] 2019-02-07
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[54] **UTILIZING A MACHINE LEARNING MODEL AND NATURAL LANGUAGE PROCESSING TO MANAGE AND ALLOCATE TASKS**
[54] **UTILISATION D'UN MODELE D'APPRENTISSAGE MACHINE ET DE TRAITEMENT EN LANGAGE NATUREL POUR GERER ET ATTRIBUER DES TACHES**
[72] GUASTELLA, FABIANO JOSE DANIEK, IE
[72] FILHO, LEOMAR OLIVEIRA DIAS, IE
[72] FERNANDES DE OLVEIRA, EDUARDO, IE
[72] ROTHE ANDRADE, LAILA, IE
[72] TAVARES DA SILVA, RENATO, IE
[72] VIEIRA, MARDOQUEU SOUZA, IE
[72] NERI, LEONARDO VALERIANO, IE
[72] FREITAS, JAMISSON SANTANA, IE
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (3033966)
[87] (3033966)
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[54] **DISPENSING PACKAGE**
[54] **EMBALLAGE DE DISTRIBUTION**
[72] ELLSWORTH, JUSTIN ALAN, US
[72] REICHLING, TIMOTHY DAVID, US
[72] MAHRLE, SHEENA MARIE, US
[72] LOMISON, KAREN ELIZABETH, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[54] **RECIPIENT D'EAU AVEC SYSTEME DE FILTRE FLOTTANT ET PROCEDE**
[72] SHOTEY, MARCUS J., US
[72] SWANSON, JASON, US
[72] DANIEL, DAVID M., US
[72] REED, DANIEL, US
[73] PLENTY COMPANY, LLC, US
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[54] **IMPROVED HEAT RECOVERY FOR SATURATOR WATER RECOVERY OF A DIRECT FUEL CELL SYSTEM**
[54] **RECUPERATION DE CHALEUR AMELIOREE POUR RECUPERATION D'EAU DE SATURATION D'UN SYSTEME DE PILE A COMBUSTIBLE DIRECTE**
[72] JAHNKE, FRED C., US
[72] LAMBRECH, MATTHEW, US
[73] FUELCELL ENERGY, INC., US
[85] 2019-02-28
[86] 2017-08-18 (PCT/US2017/047528)
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[54] **IMPROVEMENTS IN HANGER BARS**
[54] **AMELIORATIONS APPORTEES A DES BARRES DE SUSPENSION**
[72] ASLIN, NIGEL, AU
[72] ERIKSSON, PER OLA, AU
[73] GLENCORE TECHNOLOGY PTY LIMITED, AU
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[54] **BEAMFORMING INFORMATION INTERACTION METHOD AND NETWORK DEVICE**
[54] **PROCEDE D'INTERACTION D'INFORMATIONS DE FORMATION DE RESEAU, ET DISPOSITIF DE RESEAU**
[72] YANG, NING, CN
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **MOBILE DEVICE COMMUNICATION ACCESS AND HANDS-FREE DEVICE ACTIVATION**
[54] **ACCES DE COMMUNICATION A UN DISPOSITIF MOBILE ET ACTIVATION DE DISPOSITIF MAINS LIBRES**
[72] PANDURANGARAO, ANIL KUMAR, IN
[73] ALLSTATE SOLUTIONS PRIVATE LIMITED, IN
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[54] **SYSTEMS AND METHODS FOR RECOVERING INFORMATION FROM A RECORDING DEVICE**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION D'INFORMATIONS A PARTIR D'UN DISPOSITIF D'ENREGISTREMENT**
[72] HANCHETT, MARK A., US
[72] SMITH, PATRICK W., US
[72] CONANT, TYLER J., US
[72] KLOC, AARON J., US
[73] AXON ENTERPRISE, INC., US
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[54] **COMPOUNDS FOR TREATMENT OF SENESCENCE-RELATED DISORDERS**
[54] **COMPOSES DESTINES AU TRAITEMENT DE DESORDRES LIES A LA SENESCENCE**
[72] HUBACKOVA, SONA, CZ
[72] WERNER, LUKAS, CZ
[72] STURSA, JAN, CZ
[72] NEUZIL, JIRI, CZ
[73] SPRINGTIDE VENTURES S.R.O., CZ
[73] SMART BRAIN S.R.O., CZ
[73] BIOTECHNOLOGICKY USTAV AV CR, V.V.I., CZ
[73] MITOTAX S.R.O., CZ
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[54] **NITRIDE STRUCTURE HAVING GOLD-FREE CONTACT AND METHODS FOR FORMING SUCH STRUCTURES**
[54] **STRUCTURE DE NITRURE AYANT UN CONTACT SANS OR ET PROCEDES DE FORMATION DE TELLES STRUCTURES**
[72] CHUMBES, EDUARDO M., US
[72] IP, KELLY P., US
[72] KAZIOR, THOMAS E., US
[72] LAROCHE, JEFFREY R., US
[73] RAYTHEON COMPANY, US
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[54] **CONSTRUCTION OF NEXT GENERATION SEQUENCING (NGS) LIBRARIES USING COMPETITIVE STRAND DISPLACEMENT**
[54] **CONSTRUCTION DE BIBLIOTHEQUES DE SEQUENCAGE DE NOUVELLE GENERATION (NGS) A L'AIDE D'UN DEPLACEMENT DE BRIN COMPETITIF**
[72] ZWIRKO, ZACHARY, US
[72] ZHENG, YU, US
[72] JAROSZ, MIRNA, US
[72] CHEN, CAIFU, US
[72] WALDER, JOSEPH, US
[73] INTEGRATED DNA TECHNOLOGIES, INC., US
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[54] **MODULARIZED BEVERAGE HOLDER FOR ACTIVELY COOLING BEVERAGES AND METHOD FOR PERFORMING THE SAME**
[54] **PORTE-BOISSON MODULAIRE POUR REFROIDIR ACTIVEMENT DES BOISSONS ET SON PROCEDE DE REALISATION**
[72] DALTON, JEFFREY TRAVIS, US
[72] REEVES, KIM MARIE, US
[72] HARRIS, BRIAN STEVEN, US
[73] LEGACY US, LLC, US
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[54] **TEMPERED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THE SAME**
[54] **TOLE D'ACIER TREMPEE ET REVETUE ET SON PROCEDE DE FABRICATION**
[72] PIPARD, JEAN-MARC, FR
[72] THENOT, MARC OLIVIER, FR
[73] ARCELORMITTAL, LU
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[54] **CRYPTOGRAPHIC NETWORK PROTOCOL ESCALATION PATH**
[54] **CHEMIN D'ESCALADE DE PROTOCOLE DE RESEAU CRYPTOGRAPHIQUE**
[72] ANDREWS, BRADLEY MICHAEL, US
[73] STACKPATH, LLC, US
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[54] **DATA COMMUNICATION METHOD AND APPARATUS AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION DE DONNEES ET SUPPORT DE STOCKAGE**
[72] ZHANG, ZHI, CN
[72] SHEN, JIA, CN
[72] XU, HUA, CA
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **APPARATUS AND METHODS FOR RECEIVING DISCHARGED URINE**
[54] **APPAREIL ET PROCEDES POUR LA RECEPTION D'URINE EXCRETEE**
[72] NEWTON, RAYMOND J., US
[72] JOHANNES, ASHLEY MARIE, US
[72] GLITHERO, JASON IAIN, US
[73] PUREWICK CORPORATION, US
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[72] STEINER, DENISE, DE
[72] KWADE, ARNO, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2019-07-22
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[54] **POS SYSTEM AND PAYMENT METHOD**
[54] **SYSTEME POS ET PROCEDE DE REGLEMENT**
[72] WATANABE, MITSUO, JP
[72] OHKAWA, MASANORI, JP
[72] MATSUI, NOBUHIRO, JP
[72] MIYAKE, TOSHIMASA, JP
[73] FUJITSU FRONTECH LIMITED, JP
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[54] **COMMUNICATIONS SANS FIL**
[72] JOST, CHRISTINE, SE
[72] TORVINEN, VESA, FI
[72] HEDMAN, PETER, SE
[72] CHEN, QIAN, SE
[72] OLSSON, LARS-BERTIL, SE
[72] BEN HENDA, NOAMEN, SE
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[54] **SUPPORT DE SUBSTANCE PHYSIOLOGIQUEMENT ACTIVE**
[72] WON, CHEOLHEE, KR
[73] LEMONEX INC., KR
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[54] **LAGOON-BASED WASTEWATER TREATMENT WITH DENITRIFICATION**
[54] **TRAITEMENT DES EAUX USEES A LAGUNAGE AVEC DENITRIFICATION**
[72] HILL, PATRICK D., US
[72] GALBREATH-O'LEARY, BRADEN J., US
[73] TRIPLEPOINT ENVIRONMENTAL LLC, US
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[54] **METHODS AND SYSTEMS FOR PRODUCING TRACEABLE MEASUREMENTS**
[54] **METHODES ET SYSTEMES POUR PRODUIRE DES MESURES TRACABLES**
[72] DOYON, LOUIS-JEROME, CA
[72] SOUCY, MARC, CA
[73] INNOVMETRIC LOGICIELS INC., CA
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[72] OKADA, SHINJI, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2019-08-15
[86] 2018-02-14 (PCT/JP2018/005140)
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[54] **CELL QUALITY DERIVATION CONFIGURATION**
[54] **CONFIGURATION DE DERIVATION DE LA QUALITE D'UNE CELLULE**
[72] DA SILVA, ICARO L. J., SE
[72] KAZMI, MUHAMMAD, SE
[72] SIOMINA, IANA, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **REDUCED INHALATION HAZARD SANITIZERS AND DISINFECTANTS VIA HIGH MOLECULAR WEIGHT POLYMERS**
[54] **ASSAINISSEURS ET DESINFECTANTS A RISQUES D'INHALATION REDUITS PAR L'INTERMEDIAIRE DE POLYMERES DE POIDS MOLECULAIRE ELEVE**
[72] MAN, VICTOR FUK-PONG, US
[72] ANDERSON, DERRICK, US
[73] ECOLAB USA INC., US
[85] 2019-08-27
[86] 2018-03-01 (PCT/US2018/020424)
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[54] **ELECTRO-OPTIC DISPLAYS AND DRIVING METHODS**
[54] **DISPOSITIFS D'AFFICHAGE ELECTRO-OPTIQUES ET PROCEDES DE COMMANDE**
[72] CROUNSE, KENNETH R., US
[72] AMUNDSON, KARL RAYMOND, US
[72] SIM, TECK PING, US
[72] BEN-DOV, YUVAL, US
[72] HO, CHIH-HSIANG, US
[73] E INK CORPORATION, US
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[86] 2018-03-02 (PCT/US2018/020566)
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[54] **MINERAL PROCESSING PLANT**
[54] **INSTALLATION DE TRAITEMENT DE MINERAUX**
[72] ROTHMAN, PAUL J., US
[73] CIDRA CORPORATE SERVICES LLC, US
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[54] **INCREASING EXPRESSION LEVEL OF APOPTOSIS-RELATED GENES BY TREATING A HUMAN SUBJECT WITH A NITROXIDE**
[54] **AUGMENTATION DU NIVEAU D'EXPRESSION DE GENES LIES A L'APOPTOSE PAR TRAITEMENT D'UN SUJET HUMAIN AVEC UN NITROXYDE**
[72] HABASH, LOUIS, US
[73] HABASH, LOUIS, US
[85] 2019-09-10
[86] 2017-03-22 (PCT/US2017/023681)
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[30] US (15/078,911) 2016-03-23
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[54] **HYDRODEOXYGENATION PROCESS OF VEGETABLE OILS FOR OBTAINING GREEN DIESEL**
[54] **PROCEDE D'HYDRODEOXIGENATION D'HUILES VEGETALES POUR OBTENIR DU DIESEL RENOUVELABLE**
[72] RAMIREZ VERDUZCO, LUIS FELIPE, MX
[72] ABURTO ANELL, JORGE ARTURO, MX
[72] AMEZCUA ALLIERI, MYRIAM ADELA, MX
[72] LUNA RAMIREZ, MARIA DEL ROSARIO SOCORRO, MX
[72] DIAZ GARCIA, LEONARDO, MX
[72] MEDELLIN RIVERA, LUCIA, MX
[72] RODRIGUEZ RODRIGUEZ, JAVIER ESTEBAN, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
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[54] **CENTRE DE COMMANDE TECHNIQUE D'UN SITE DE PUITS**
[72] MOUSER, CHARLES LYNN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **INNER CUTTER FOR DRILLING**
[54] **COUTEAU INTERNE DE FORAGE**
[72] ATKINS, WILLIAM BRIAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **METHODS AND DEVICES FOR PROTECTING SENSITIVE DATA OF TRANSACTION ACTIVITY BASED ON SMART CONTRACT IN BLOCKCHAIN**
[54] **PROCEDES ET DISPOSITIFS DE PROTECTION DE DONNEES SENSIBLES D'UNE ACTIVITE DE TRANSACTION SUR LA BASE D'UN CONTRAT INTELLIGENT DANS UNE CHAINE DE BLOCS**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
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[54] **TEXTILE HOSE**
[54] **GAINE TEXTILE**
[72] WYRWIS, BERND, DE
[72] PIWONSKI, TIMO, DE
[73] IPROTEX GMBH & CO. KG, DE
[85] 2019-09-24
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[25] EN
[54] **ANTENNA SYSTEMS FOR WIRELESS COMMUNICATION IN LUMINAIRES**
[54] **SYSTEMES D`ANTENNES POUR LA COMMUNICATION SANS FIL DANS DES LUMINAIRES**
[72] SPENCER, CHARLES JEFFREY, US
[72] CHOWDHURY, TOWFIQ, US
[72] HANI, MOHAMMAD BANI, US
[72] POSACKI, DANIEL FRANCIS, US
[72] BRADD, KYLE MICHAEL, US
[73] ABL IP HOLDING LLC, US
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[54] **FLOW CHANNEL STRUCTURE AND LIPID PARTICLE OR MICELLE FORMATION METHOD USING SAME**
[54] **STRUCTURE DE CANAL D'ECOULEMENT ET PROCEDE DE FORMATION DE MICELLES OU PARTICULES LIPIDIQUES FAISANT APPEL A LADITE STRUCTURE**
[72] TOKESHI, MANABU, JP
[72] MAEKI, MASATOSHI, JP
[72] SATO, YUSUKE, JP
[72] HARASHIMA, HIDEYOSHI, JP
[73] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
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[25] EN
[54] **SIDE BY SIDE ALL TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN A SIEGES COTE A COTE**
[72] KINSMAN, ANTHONY J., US
[72] MORISON, ANGUS M., US
[72] HOLLMAN, KEITH A., US
[72] SCHLANGEN, ADAM J., US
[72] PETERSON, SHAWN D., US
[72] RIPLEY, RICHARD D., US
[72] ERSPAMER, BRENT A., US
[72] SCHIEBEL, STEVEN M., US
[73] POLARIS INDUSTRIES INC., US
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[54] **UAV MODULAR REDUNDANT COMMUNICATIONS**
[54] **COMMUNICATIONS REDONDANTES MODULAIRES POUR UAV**
[72] MURPHY, SEAN PATRICK, US
[73] T-MOBILE USA, INC., US
[86] (3060191)
[87] (3060191)
[22] 2019-10-25
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[25] EN
[54] **METHOD FOR RECORDING REAL-WORLD MEDICATION DATA AND COMPREHENSIVE REAL-TIME COMPLIANCE RATE COMPLEMENTED WITH PORTABLE APPARATUS**
[54] **METHODE D'ENREGISTREMENT DE DONNEES DU MONDE REEL SUR LES MEDICAMENTS ET UN TAUX D'OBSERVATION EN TEMPS REEL EXHAUSTIF, COMPLETEE D'UN APPAREIL PORTATIF**
[72] LIU, NAI-CHIA, CA
[72] CHEN, YU-PEI, CA
[72] LEE, HAO, CA
[73] LIU, NAI-CHIA, CA
[73] CHEN, YU-PEI, CA
[73] LEE, HAO, CA
[86] (3060262)
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[25] EN
[54] **FUNCTIONALIZED SUGAR ALCOHOL COATING FOR A MEDICINAL PRODUCT**
[54] **REVETEMENT EN POLYOL FONCTIONNALISE POUR PRODUIT MEDICAL.**
[72] SCHEDLER, UWE, DE
[72] HEISE, CHRISTIAN, DE
[72] THIELE, THOMAS, DE
[72] HENKES, HANS, DE
[72] MONSTADT, HERMANN, DE
[72] HANNES, RALF, DE
[72] LENZ-HABIJAN, TIM, DE
[72] BANNEWITZ, CATRIN, DE
[73] PHENOX GMBH, DE
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[54] **SPACECRAFT ACTUATOR WHEEL WITH INTEGRATED BATTERY AND FUEL STORAGE**
[54] **ROUE D'ACTIONNEUR D'ENGIN SPATIAL A PILES ET DISPOSITIF DE STOCKAGE DE CARBURANT INTEGRES**
[72] JAEGER, TALBOT, US
[73] NOVAWURKS, INC., US
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[54] **ELECTRODE BREAK DETECTION**
[54] **DETECTION DE RUPTURE D'ELECTRODE**
[72] BEATY, TERRY A., US
[72] WHEELER, MICHAEL HARRISON, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-10-23
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[51] **Int.Cl. H04W 4/20 (2018.01)**
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[54] **METHOD FOR TRANSMITTING REFERENCE SIGNAL, TERMINAL AND NETWORK DEVICE**
[54] **PROCEDE D'EMISSION D'UN SIGNAL DE REFERENCE, TERMINAL ET DISPOSITIF DE RESEAU**
[72] ZHANG, ZHI, CN
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-10-24
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[25] EN
[54] **PEPTIDE LIBRARY CONSTRUCTING METHOD**
[54] **PROCEDE DE CONSTRUCTION DE BANQUE DE PEPTIDES**
[72] WANG, ZHUYING, US
[72] LI, XIANGQUN, CN
[73] HUNAN ZONSEN PEPLIB BIOTECH CO., LTD, CN
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[25] EN
[54] **MEASUREMENT CONFIGURATION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE CONFIGURATION DE MESURE ET PRODUIT ASSOCIE**
[72] YANG, NING, CN
[72] LIU, JIANHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-04
[86] 2017-07-20 (PCT/CN2017/093672)
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[25] EN
[54] **POWDER MIXTURE FOR POWDER METALLURGY AND METHOD OF MANUFACTURING SAME**
[54] **MELANGE DE POUDRE POUR METALLURGIE DES POUDRES ET SON PROCEDE DE FABRICATION**
[72] UNAMI, SHIGERU, JP
[72] OYA, MASATO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2019-11-18
[86] 2018-06-12 (PCT/JP2018/022447)
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[30] JP (2017-118266) 2017-06-16
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[54] **BRIDGE APPLICATION FOR USER PIN SELECTION**
[54] **APPLICATION DE PASSERELLE POUR SELECTION DE PIN D'UTILISATEUR**
[72] LANTER, ALEC WARREN, US
[72] STELL, ERIK RONALD, US
[73] CPI CARD GROUP-TENNESSEE, INC., US
[85] 2019-11-19
[86] 2018-04-20 (PCT/US2018/028559)
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[25] EN
[54] **METHOD FOR INTROGRESSING A TRAIT INTO A PLANT**
[54] **PROCEDE D'INTROGRESSION DE CARACTERES DANS UNE PLANTE**
[72] BURROUGHS, FRANK G., US
[72] SAMBOJU, NARASIMHA CHARY, US
[72] SAMUEL, JAYAKUMAR PON, US
[72] WEBB, STEVEN R., US
[72] YAU, KERRM Y., US
[73] CORTEVA AGRISCIENCE LLC, US
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[25] EN
[54] **WIRELESS COMMUNICATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] EN
[54] **METHOD FOR FILTERING PROTEIN-CONTAINING LIQUID**
[54] **PROCEDE DE FILTRATION POUR LIQUIDE CONTENANT DES PROTEINES**
[72] IWASAKI, TAKUMA, JP
[72] YOKOYAMA, YOSHIRO, JP
[73] ASAHI KASEI MEDICAL CO., LTD., JP
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[87] (WO2018/230397)
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[54] **SYSTEME DE SURVEILLANCE VIDEO POUR TREMIE D'EPANDEUSE**
[72] ORAZEM, LOUIS M., US
[73] MEYER PRODUCTS, LLC, US
[85] 2019-12-05
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[54] **METHOD FOR TRANSMISSION CONTROL, DEVICE, EQUIPMENT AND STORAGE MEDIUM**
[54] **PROCEDE DE COMMANDE DE TRANSMISSION, DISPOSITIF, EQUIPEMENT ET SUPPORT D'INFORMATIONS**
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-09
[86] 2017-08-10 (PCT/CN2017/096916)
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[25] EN
[54] **BLEACHING USING PEROXYFORMIC ACID AND AN OXYGEN CATALYST**
[54] **BLANCHIMENT A L'AIDE D'ACIDE PEROXYFORMIQUE ET D'UN CATALYSEUR A L'OXYGENE**
[72] LANG, JASON, US
[72] CREW, BENJAMIN, US
[72] FAST, JONATHAN P., US
[72] BECKER, ANGELA, US
[72] LUNDBERG, STEVEN, US
[73] ECOLAB USA INC., US
[85] 2019-12-11
[86] 2018-06-22 (PCT/US2018/038976)
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[54] **COMMUNICATION PROCESSING METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE TRAITEMENT DE COMMUNICATION ET APPAREIL DE COMMUNICATION**
[72] XU, XIAOYING, CN
[72] HUANG, QUFANG, CN
[72] LIU, XING, CN
[72] YOU, CHUNHUA, CN
[72] ZENG, QINGHAI, CN
[72] LUO, HAIYAN, CN
[72] DAI, MINGZENG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[30] CN (201710454166.4) 2017-06-15
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[54] **VERSATILE 3D STRETCHABLE MICRO-ENVIRONMENT FOR ORGAN-ON-CHIP DEVICES FABRICATED WITH STANDARD SILICON TECHNOLOGY**
[54] **MICRO-ENVIRONNEMENT EXTENSIBLE 3D POLYVALENT POUR DISPOSITIFS D'ORGANE-SUR-PUCE FABRIQUES A L'AIDE D'UNE TECHNOLOGIE DE SILICIUM STANDARD**
[72] GAIO, NIKOLAS, NL
[72] SOLANO, WILLIAM QUIROS, NL
[73] BIOND SOLUTIONS B.V., NL
[85] 2019-12-30
[86] 2017-07-20 (PCT/NL2017/050492)
[87] (WO2018/021906)
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[25] EN
[54] **HIGH VOLTAGE THREE PHASE CURRENT AND VOLTAGE SENSOR ASSEMBLY SYSTEM WITHOUT GROUND CONNECTION AND METHOD**
[54] **COURANT TRIPHASE HAUTE TENSION ET SYSTEME DE CAPTEUR DE TENSION SANS CONNEXION DE MISE A LA TERRE ET METHODE**
[72] KOWALIK, PETER M., US
[73] CLEAVELAND/PRICE INC., US
[86] (3069480)
[87] (3069480)
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[30] US (16748948) 2020-01-22

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[25] EN
[54] **BOGIE WHEELSET RADIAL MECHANISM WITH STRUCTURE OF ADJUSTABLE RIGIDITY**
[54] **MECANISME RADIAL D'ESSIEU DE BOGIE AVEC STRUCTURE A RIGIDITE REGLABLE**
[72] WU, CHANG, CN
[72] ZHANG, XIANFENG, CN
[72] DENG, TAO, CN
[72] ZHU, JI, CN
[72] WANG, YUNGUI, CN
[72] LI, ZHIQIANG, CN
[72] LUO, HANJIANG, CN
[72] ZUO, SHIBIN, CN
[72] ZHANG, RUI, CN
[72] LI, SONG, CN
[73] CRRC MEISHAN CO., LTD., CN
[85] 2020-01-13
[86] 2018-11-13 (PCT/CN2018/115214)
[87] (WO2019/100970)
[30] CN (201711202148.3) 2017-11-27

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[54] **LIGHTWEIGHT STUNNING ROD**
[54] **TIGE D'ETOURDISSEMENT LEGERE**
[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[85] 2020-01-16
[86] 2018-08-14 (PCT/US2018/046689)
[87] (WO2019/036459)
[30] US (62/545,718) 2017-08-15
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[25] EN
[54] **ROTATIONAL SPEED REDUCTION IN DOWNHOLE TOOL ASSEMBLIES**
[54] **REDUCTION DE VITESSE DE ROTATION DANS DES ENSEMBLES D'OUTIL DE FOND DE TROU**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FEARS, BRETT, US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2020-01-17
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[25] EN
[54] **GENOMIC SERVICES PLATFORM SUPPORTING MULTIPLE APPLICATION PROVIDERS**
[54] **PLATEFORME DE SERVICES GENOMIQUES PRENANT EN CHARGE DE MULTIPLES FOURNISSEURS D'APPLICATION**
[72] LU, JAMES, US
[72] CHOU, JIM, US
[72] LEE, WILLIAM, US
[72] WILLIAMS, CHRIS, US
[72] WARRENS, JAMES, US
[72] JIANG, RUOMU, US
[73] HELIX OPCO, LLC, US
[85] 2020-01-20
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[30] US (62/535,781) 2017-07-21
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[25] EN
[54] **SPENT TURMERIC - METHODS AND COMPOSITIONS THEREOF**
[54] **RESIDUS DE CURCUMA - PROCEDES ET COMPOSITIONS DE CEUX-CI**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] SANKARAN, NATARAJAN, IN
[72] BHAT, BEENA, IN
[73] SAMI LABS LIMITED, IN
[85] 2020-01-24
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[25] EN
[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED TTR LOCUS AND METHODS OF USE**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS TTR HUMANISE ET PROCEDES D'UTILISATION**
[72] DRUMMOND SAMUELSON, MEGHAN, US
[72] HAINES, JEFFERY, US
[72] HARTFORD, SUZANNE, US
[72] FRENDEWEY, DAVID, US
[72] ZAMBROWICZ, BRIAN, US
[72] MURPHY, ANDREW J., US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-01-30
[86] 2018-09-28 (PCT/US2018/053389)
[87] (WO2019/067875)
[30] US (62/565,980) 2017-09-29
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[51] **Int.Cl. H04W 72/51 (2023.01) H04W 72/23 (2023.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING INFORMATION ABOUT SIZE OF RESOURCE UNIT IN WIRELESS LOCAL AREA NETWORK SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION ET DE RECEPTION DE RENSEIGNEMENTS CONCERNANT LA TAILLE D'UNE UNITE DE RESSOURCES DANS UN SYSTEME DE RESEAULOCAL SANS FIL**
[72] KIM, JEONGKI, KR
[72] RYO, KISEON, KR
[72] CHOI, JINSOO, KR
[73] LG ELECTRONICS INC., KR
[85] 2020-02-18
[86] 2019-08-22 (PCT/KR2019/010661)
[87] (WO2020/040553)
[30] KR (10-2018-0099503) 2018-08-24
[30] KR (10-2018-0098869) 2018-08-23

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[25] EN
[54] **INTEGRATION OF COLD SOLVENT AND ACID GAS REMOVAL**
[54] **INTEGRATION DE SOLVANT FROID ET D'ELIMINATION DE GAZ ACIDE**
[72] MAHER, DAVID W., US
[72] NORTHROP, P. SCOTT, US
[72] RAMKUMAR, SHWETHA, US
[72] DENTON, ROBERT D., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-02-13
[86] 2018-08-13 (PCT/US2018/046500)
[87] (WO2019/040306)
[30] US (62/548,172) 2017-08-21

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[51] **Int.Cl. C05G 3/00 (2020.01) C05G 3/20 (2020.01) C05G 3/30 (2020.01) C05G 5/30 (2020.01)**
[25] EN
[54] **FERTILIZER COATING FOR DUST CONTROL AND/OR ANTI-CAKING**
[54] **REVETEMENT D'ENGRAIS POUR LUTTER CONTRE LA POUSSIERE ET/OU ANTIMOTTANT**
[72] PARKER, D. TODD, US
[72] OGZEWALLA, MARK, US
[72] BURRELL, ZACHARY T., US
[73] ARR-MAZ PRODUCTS, L.P., US
[85] 2020-02-18
[86] 2018-09-11 (PCT/US2018/050333)
[87] (WO2019/051444)
[30] US (62/556,810) 2017-09-11
[30] US (16/126,334) 2018-09-10

[11] **3,073,814**
[13] C
[51] **Int.Cl. C07C 309/73 (2006.01) B41M 5/333 (2006.01) C07C 303/30 (2006.01)**
[25] EN
[54] **N,N'-DIARYLUREA DERIVATIVE, MANUFACTURING METHOD THEREOF, AND THERMOSENSITIVE RECORDING MATERIAL USING SAME**
[54] **DERIVE DE N,N'-DIARYLUREE, SON PROCEDE DE FABRICATION, ET MATERIAU D'ENREGISTREMENT THERMOSENSIBLE L'UTILISANT**
[72] KINISHI, RYOICHI, JP
[72] ISHIBASHI, YOSHIMI, JP
[73] SANKO CO., LTD., JP
[85] 2020-02-24
[86] 2018-08-10 (PCT/JP2018/030081)
[87] (WO2019/044462)
[30] JP (2017-167444) 2017-08-31

[11] **3,075,032**
[13] C
[51] **Int.Cl. H02P 6/00 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REPLACING 16-PIN ECM MOTOR WITH NON-16-PIN ECM MOTOR**
[54] **SYSTEME ET PROCEDE POUR REMPLACER UN MOTEUR DE COMMANDE ELECTRONIQUE (ECM) DE 16 BROCHES PAR UN MOTEUR ECM SANS 16 BROCHES**
[72] REED, TARRIS A., US
[72] SCHOCK, CHRISTOPHER D., US
[72] WADE, RYAN TIMOTHY, US
[72] SILVEY, MORGAN JEREMY, US
[72] SHAHI, PRAKASH B., US
[72] PLOOF, ROBERT J., JR., US
[73] NIDEC MOTOR CORPORATION, US
[86] (3075032)
[87] (3075032)
[22] 2020-03-10
[30] US (16/375,482) 2019-04-04

[11] **3,075,078**
[13] C
[51] **Int.Cl. G01R 33/343 (2006.01) G01N 24/10 (2006.01)**
[25] EN
[54] **LOOP-GAP RESONATORS FOR SPIN RESONANCE SPECTROSCOPY**
[54] **RESONATEURS A INTERVALLE DE BOUCLE DE SPECTROSCOPIE PAR RESONANCE DE SPIN**
[72] FRIEDMAN, JONATHAN R., US
[73] AMHERST COLLEGE, US
[85] 2020-03-05
[86] 2018-09-06 (PCT/US2018/049649)
[87] (WO2019/051016)
[30] US (62/555,127) 2017-09-07

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[51] **Int.Cl. A47J 44/02 (2006.01) A23P 30/10 (2016.01) A47J 27/62 (2006.01) A47J 37/06 (2006.01)**
[25] EN
[54] **A TWO-SIDED COOKING DEVICE WITH UPPER PLATEN POSITION LOCKING MECHANISM FOR HIGH COMPRESSION PRECISION POSITIONING CONTROLLED COOKING**
[54] **DISPOSITIF DE CUISSON BILATERALE A MECANISME DE VERROUILLAGE DE POSITION DE PLATEAU SUPERIEUR PERMETTANT UNE CUISSON A REGLAGE DE POSITIONNEMENT PAR COMPRESSION HAUTE PRECISION**
[72] JONES, DOUGLAS S., US
[73] GARLAND COMMERCIAL INDUSTRIES, LLC, US
[85] 2020-03-13
[86] 2018-08-13 (PCT/US2018/046469)
[87] (WO2019/152071)
[30] US (62/625,282) 2018-02-01

[11] **3,076,401**
[13] C
[51] **Int.Cl. D06M 11/83 (2006.01) B32B 15/02 (2006.01) B32B 15/20 (2006.01) B32B 33/00 (2006.01) B32B 37/06 (2006.01) H05K 9/00 (2006.01) B32B 5/26 (2006.01)**
[25] EN
[54] **NICKEL-PLATED CARBON FIBER FILM, MANUFACTURING METHOD OF NICKEL-PLATED CARBON FIBER FILM, SHIELDING STRUCTURE AND PREPARATION METHOD OF SHIELDING STRUCTURE**
[54] **FILM DE FIBRE A CHARBON NICKELE, PROCEDE DE FABRICATION DE FILM DE FIBREA CHARBON NICKELE, STRUCTURE DE BLINDAGE ET PROCEDE DE FABRICATION DE STRUCTURE DE BLINDAGE**
[72] LIANG, JIANYING, CN
[72] XIAO, CHANJUAN, CN
[72] JIAO, JINGHAI, CN
[72] TIAN, QING, CN
[72] WANG, YONG, CN
[72] LIU, YUWEN, CN
[73] CRRC QINGDAO SIFANG CO.,LTD., CN
[85] 2020-03-19
[86] 2018-04-20 (PCT/CN2018/083919)
[87] (WO2019/062089)
[30] CN (201710941915.6) 2017-09-30

[11] **3,077,070**
[13] C
[51] **Int.Cl. C08L 101/06 (2006.01) C08L 25/16 (2006.01) C08L 33/06 (2006.01) C08L 33/14 (2006.01) G03G 9/08 (2006.01)**
[25] EN
[54] **TONER COMPOSITIONS AND PROCESSES INCLUDING POLYMERIC TONER ADDITIVES**
[54] **COMPOSITIONS D`ENCRE ET PROCEDE Y COMPRIS LES ADDITIFS POUR ENCRES POLYMERES**
[72] VEREGIN, RICHARD P. N., CA
[72] ANGRA, PADAM K., US
[72] BARDEN, MARIA MCCALL, US
[72] KAMEL, MAJID, CA
[72] VONG, CUONG, CA
[72] TIN, RANDY P., US
[72] JACKSON, MARK A., US
[72] IANNI, JOHN J., US
[73] XEROX CORPORATION, US
[86] (3077070)
[87] (3077070)
[22] 2020-03-25
[30] US (16/369013) 2019-03-29

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[13] C
[51] **Int.Cl. B32B 3/26 (2006.01) B32B 13/00 (2006.01) B32B 38/04 (2006.01)**
[25] EN
[54] **PLASTER BOARDS HAVING INTERNAL LAYERS AND METHODS FOR MAKING THEM**
[54] **PLAQUES DE PLATRE AYANT DES COUCHES INTERNES ET LEURS PROCEDES DE FABRICATION**
[72] DIMITRAKOPOULOS, JAMES, US
[72] INFANTE, VINCENT, US
[72] BRIDENSTINE, JOHN, US
[72] PUGH, DAVID WILLIAM, US
[72] HAGELGANS, DAVID, US
[72] WANG, YING, US
[72] XU, XUEJUAN, US
[73] CERTAINTEED GYPSUM, INC., US
[85] 2020-03-26
[86] 2018-09-26 (PCT/US2018/052943)
[87] (WO2019/067607)
[30] US (62/563,118) 2017-09-26

[11] **3,077,299**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **OPERATING WELLBORE EQUIPMENT USING A DATA DRIVEN PHYSICS-BASED MODEL**
[54] **UTILISATION D'UN EQUIPEMENT DE PUITS DE FORAGE AU MOYEN D'UN MODELE A BASE DE PHYSIQUE PILOTE PAR DES DONNEES**
[72] MADASU, SRINATH, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-03-27
[86] 2017-11-13 (PCT/US2017/061252)
[87] (WO2019/094037)

[11] **3,077,508**
[13] C
[51] **Int.Cl. C07D 498/18 (2006.01) A61K 31/439 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF LORLATINIB FREE BASE HYDRATE**
[54] **FORME CRISTALLINE D'HYDRATE DE BASE LIBRE DE LORLATINIB**
[72] BOWLES, PAUL, US
[72] ROSE, PETER ROBERT, US
[73] PFIZER INC., US
[85] 2020-04-07
[86] 2018-10-04 (PCT/IB2018/057735)
[87] (WO2019/073347)
[30] US (62/570,326) 2017-10-10
[30] US (62/727,734) 2018-09-06

[11] **3,077,581**
[13] C
[51] **Int.Cl. B65D 71/50 (2006.01) B26D 9/00 (2006.01) B26F 1/44 (2006.01)**
[25] EN
[54] **MULTI-PACK CONTAINER AND MACHINE FOR MANUFACTURING THE SAME**
[54] **CONTENANT D`EMBALLAGE MULTIPLE ET APPAREIL POUR LE FABRIQUER**
[72] GONZALEZ, MANUEL, ES
[73] INDUSTRIAS TECNOLOGICAS DE MECANIZACION Y AUTOMATIZACION, S.A., ES
[86] (3077581)
[87] (3077581)
[22] 2020-04-06
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[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/44 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **INHALATION DEVICE**
[54] **DISPOSITIF D'INHALATION**
[72] DOMENICI, DEREK, US
[73] DOMENICI, DEREK, US
[85] 2020-04-06
[86] 2018-11-06 (PCT/US2018/054518)
[87] (WO2019/089187)
[30] US (16/151,861) 2018-10-04

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[13] C
[51] **Int.Cl. F17D 1/00 (2006.01) G06T 7/60 (2017.01)**
[25] EN
[54] **CONTAINER LOADING/UNLOADING TIME ESTIMATION**
[54] **ESTIMATION DE TEMPS DE CHARGEMENT/DECHARGEMENT DE CONTENEUR**
[72] KRISHNAMURTHY, ADITHYA H., US
[72] TRAJKOVIC, MIROSLAV, US
[73] SYMBOL TECHNOLOGIES, LLC, US
[85] 2020-04-06
[86] 2018-11-14 (PCT/US2018/060908)
[87] (WO2019/125654)
[30] US (15/852,993) 2017-12-22

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[13] C
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/20 (2016.01) A61B 34/37 (2016.01) G06F 3/147 (2006.01)**
[25] EN
[54] **MULTI-PANEL GRAPHICAL USER INTERFACE FOR A ROBOTIC SURGICAL SYSTEM**
[54] **INTERFACE UTILISATEUR GRAPHIQUE POUR SYSTEME ROBOTIQUE CHIRURGICAL**
[72] JOHNSON, ERIC MARK, US
[72] ESSOCK-BURNS, EMMA, US
[72] MILLER, LAWRENCE EDWARD, US
[72] BRAHIC, FRANCOIS W., US
[73] VERB SURGICAL INC., US
[85] 2020-04-21
[86] 2017-12-14 (PCT/US2017/066489)
[87] (WO2019/117926)

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[51] **Int.Cl. H01B 3/46 (2006.01) C09D 183/04 (2006.01) H05K 3/28 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING NON-NEWTONIAN FLUIDS FOR HYDROPHOBIC, OLEOPHOBIC, AND OLEOPHILIC COATINGS, AND METHODS OF USING THE SAME**
[54] **COMPOSITION COMPRENANT DES FLUIDES NON NEWTONIENS POUR DES REVETEMENTS HYDROPHOBES, OLEOPHOBES ET OLEOPHILES, ET LEURS PROCEDES D'UTILISATION**
[72] AHMAD, SYED TAYMUR, US
[72] KLEINGARTNER, JUSTIN, US
[72] BALASUBRAMANIAN, SRUTI, US
[73] AHMAD, SYED TAYMUR, US
[73] KLEINGARTNER, JUSTIN, US
[73] BALASUBRAMANIAN, SRUTI, US
[85] 2020-04-24
[86] 2018-10-26 (PCT/US2018/057741)
[87] (WO2019/084423)
[30] US (62/577,471) 2017-10-26

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[13] C
[51] **Int.Cl. H04N 21/6547 (2011.01) H04W 4/06 (2009.01) H04N 21/647 (2011.01) H04W 28/24 (2009.01)**
[25] EN
[54] **SERVICE LIST**
[54] **LISTE DE SERVICE**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[86] (3081282)
[87] (3081282)
[22] 2016-11-10
[62] 3,004,582
[30] US (62/255,440) 2015-11-14

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[13] C
[51] **Int.Cl. B27D 1/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FABRICATING LAMINATED WOOD PRODUCTS**
[54] **APPAREIL ET METHODE DE FABRICATION DE PRODUITS EN BOIS LAMELLE**
[72] HASS, RUSSELL GORDON, US
[72] OGDEN, KARL, US
[73] RFSPROTECH, LLC, US
[86] (3081384)
[87] (3081384)
[22] 2020-05-27
[30] US (16/878,110) 2020-05-19

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[13] C
[51] **Int.Cl. B65D 5/66 (2006.01) B65D 5/52 (2006.01)**
[25] EN
[54] **CONTAINER FOR FOOD AND CORRESPONDING BLANK**
[54] **RECIPIENT POUR UN PRODUIT ALIMENTAIRE ET DECOUPE ASSOCIEE**
[72] D'AMATO, GIANFRANCO, IT
[73] SEDA INTERNATIONAL PACKAGING GROUP SPA, IT
[85] 2020-05-06
[86] 2018-11-15 (PCT/EP2018/081325)
[87] (WO2019/096883)
[30] DE (20 2017 106 941.9) 2017-11-15

[11] **3,082,812**
[13] C
[51] **Int.Cl. C09J 7/29 (2018.01) B32B 9/00 (2006.01) E02D 31/02 (2006.01) E04B 1/66 (2006.01)**
[25] EN
[54] **BELOW GRADE, BLIND SIDE, DUAL WATERPROOFING MEMBRANE ASSEMBLY INCORPORATING A BENTONITE SHEET WATERPROOFING MEMBRANE, AND A SHEET MEMBRANE WITH ADHESIVE TO FULLY BOND TO CONCRETE/SHOTCRETE, AND A METHOD OF MAKING, AND USING SAME**
[54] **ENSEMBLE DE MEMBRANE D`ETANCHEITE DOUBLE SANS VISIBILITE, SOUS LE NIVEAU DU SOL INTEGRANT UNE MEMBRANE D`ETANCHEITE D`UNE FEUILLE BENTONITE, ET UNE MEMBRANE DE FEUILLE AVEC ADHESIF POUR SE LIER COMPLETEMENT AU BETON OU BETON PROJETE, ET PROCEDE DE FABRICATION, ET UTILISATION DUDIT ENSEMBLE**
[72] RUDYAN, AMIR, US
[72] MILLER, PAUL THOMAS, US
[72] STARE, BRADFORD LEON, US
[73] RUDYAN, AMIR, US
[86] (3082812)
[87] (3082812)
[22] 2020-05-20
[30] US (62/852049) 2019-05-23
[30] US (16/740389) 2020-01-10

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[13] C
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 23/12 (2006.01)**
[25] EN
[54] **PAD RETENTION ASSEMBLY FOR ROTARY STEERABLE SYSTEM**
[54] **ENSEMBLE DE RETENUE DE TAMPON POUR SYSTEME ORIENTABLE ROTATIF**
[72] DOUD, BRIAN LEE, US
[72] DEOLALIKAR, NEELESH V., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-05-26
[86] 2018-03-02 (PCT/US2018/020785)
[87] (WO2019/133035)
[30] US (62/612,207) 2017-12-29

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[13] C
[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **FRACTIONAL FUNDS TRANSFER/ACCUMULATION DEVICE, PROGRAM, AND METHOD**
[54] **DISPOSITIF, PROGRAMME ET PROCEDE DE TRANSFERT/ACCUMULATION DE FONDS FRACTIONNAIRES**
[72] TANAKA, TATSUO, JP
[72] HIGUCHI, YOSHINOBU, JP
[73] 10353744 CANADA LTD., CA
[86] (3084210)
[87] (3084210)
[22] 2017-03-31
[62] 3,023,834
[30] JP (2016-106202) 2016-05-27

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[51] **Int.Cl. H04N 21/845 (2011.01) H04N 19/146 (2014.01) H04N 19/436 (2014.01) H04N 19/85 (2014.01)**
[25] EN
[54] **TECHNIQUES FOR OPTIMIZING ENCODING TASKS**
[54] **TECHNIQUES D'OPTIMISATION DE TACHES DE CODAGE**
[72] MOORTHY, ANUSH, US
[72] MANOHARA, MEGHA, US
[73] NETFLIX, INC., US
[85] 2020-06-05
[86] 2018-12-11 (PCT/US2018/064825)
[87] (WO2019/118386)
[30] US (15/840,998) 2017-12-13

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[13] C
[51] **Int.Cl. F27D 1/18 (2006.01)**
[25] EN
[54] **HINGED KILN BRICK PROTECTIVE COLLAR**
[54] **COLLIER PROTECTEUR A CHARNIERE POUR FOUR A BRIQUES**
[72] NARDELLA, ANTHONY, US
[73] NARDELLA, ANTHONY, US
[86] (3085248)
[87] (3085248)
[22] 2020-07-02
[30] US (29721607) 2020-01-22
[30] US (16814295) 2020-03-10

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[13] C
[51] **Int.Cl. F16J 15/06 (2006.01) F16J 15/3284 (2016.01)**
[25] EN
[54] **SEALING APPARATUS WITH SWELLABLE METAL**
[54] **APPAREIL D'ETANCHEITE AVEC METAL GONFLABLE**
[72] FRIPP, MICHAEL LINLEY, US
[72] GJELSTAD, GEIR, US
[72] WALTON, ZACHARY WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-06-11
[86] 2018-01-29 (PCT/US2018/015755)
[87] (WO2019/147285)

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[51] **Int.Cl. H04N 21/2343 (2011.01) H04H 60/33 (2009.01) H04N 21/258 (2011.01) H04N 21/40 (2011.01) H04N 21/472 (2011.01) H04N 21/63 (2011.01) H04N 21/8545 (2011.01)**
[25] EN
[54] **CLOUD-BASED IMAGE RENDERING FOR VIDEO STREAM ENRICHMENT**
[54] **RENDU D'IMAGE INFONUAGIQUE POUR L'ENRICHISSEMENT D'UNE DIFFUSION VIDEO**
[72] BINDER, EVAN A., US
[72] MARTIN, MARC JUNYENT, ES
[72] PUJOL, JORDI BADIA, ES
[72] SWERDLOW, AVNER, US
[72] FARRE GUIU, MIQUEL ANGEL, CH
[73] DISNEY ENTERPRISES, INC., US
[86] (3086239)
[87] (3086239)
[22] 2020-07-09
[30] US (16/551,467) 2019-08-26

[11] **3,086,289**
[13] C
[51] **Int.Cl. F24F 1/031 (2019.01)**
[25] EN
[54] **WINDOW AIR CONDITIONER**
[54] **CONDITIONNEUR D`AIR DE FENETRE**
[72] YU, HUI, CN
[72] XING, ZHIGANG, CN
[72] LIU, YU, CN
[72] ZHANG, KANGWEN, CN
[72] LEI, ZHISHENG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2020-07-03
[86] 2020-03-03 (PCT/CN2020/077618)
[87] (WO2021/103336)
[30] CN (201922132503.5) 2019-11-29
[30] CN (20191128447.5) 2019-11-29

[11] **3,087,520**
[13] C
[51] **Int.Cl. E04B 5/40 (2006.01) E04B 1/24 (2006.01) E04B 5/10 (2006.01) E04C 2/08 (2006.01) E04C 2/32 (2006.01)**
[25] EN
[54] **METAL DECKING**
[54] **PLATELAGE METALLIQUE**
[72] VANKER, JOHN LOUIS, US
[72] LASTOWSKI, MICHAEL J., US
[73] PATCO, LLC, US
[85] 2020-06-30
[86] 2018-12-31 (PCT/US2018/068193)
[87] (WO2019/136026)
[30] US (15/860,073) 2018-01-02

[11] **3,087,663**
[13] C
[51] **Int.Cl. H02P 23/10 (2006.01) H02M 1/00 (2007.10) H02M 7/44 (2006.01)**
[25] EN
[54] **HYSTERESIS BASED DC OFFSET CORRECTOR FOR CURRENT RECONSTRUCTION WHEN USING DISCONTINUOUS PWM**
[54] **CORRECTEUR DU DECALAGE C.C. BASE SUR L`HYSTERESIS POUR LA RECONSTRUCTION EN COURS LORS DE L`UTILISATION DE LA MODULATION D`IMPULSIONS EN DUREE DISCONTINUE**
[72] SELVARAJ, GOUTHAM, US
[72] LIU, YU, US
[73] TOSHIBA INTERNATIONAL CORPORATION, US
[86] (3087663)
[87] (3087663)
[22] 2020-07-22
[30] US (16/527,872) 2019-07-31

[11] **3,087,713**
[13] C
[51] **Int.Cl. B61C 15/10 (2006.01) B65G 53/46 (2006.01)**
[25] EN
[54] **SCREENING ELEMENT FOR A SANDING DEVICE THAT IS MOUNTED TO A VEHICLE**
[54] **ELEMENT DE TAMISAGE POUR UN DISPOSITIF DE SABLAGE MONTE SUR UN VEHICULE**
[72] KRISMANIC, GEORG, AT
[72] LANG, ANDREAS, AT
[72] MISSLIWETZ, ALBERT, AT
[73] KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, AT
[85] 2020-07-06
[86] 2019-01-07 (PCT/EP2019/050205)
[87] (WO2019/134986)
[30] DE (10 2018 100 264.5) 2018-01-08

[11] **3,088,673**
[13] C
[51] **Int.Cl. A46B 5/00 (2006.01) A46B 7/04 (2006.01)**
[25] EN
[54] **A METHOD FOR MANUFACTURING AN ORAL CARE IMPLEMENT**
[54] **PROCEDE DE FABRICATION D'UN INSTRUMENT DE SOIN BUCCAL**
[72] JUNGNICKEL, UWE, DE
[72] ALINSKI, JENS, DE
[73] THE GILLETTE COMPANY LLC, US
[85] 2020-07-15
[86] 2019-02-01 (PCT/US2019/016216)
[87] (WO2019/156902)
[30] EP (18156035.0) 2018-02-09

[11] **3,088,716**
[13] C
[51] **Int.Cl. B05B 15/00 (2018.01) B05B 1/00 (2006.01)**
[25] EN
[54] **NOZZLE UNIT FOR INJECTING LIQUIFIED FLUID WHICH EVAPORATES AFTER INJECTION**
[54] **UNITE DE BUSE POUR INJECTER DU FLUIDE LIQUEFIE QUI S'EVAPORE APRES L'INJECTION**
[72] SADAKI, AKIRA, JP
[72] MAENO, JUN, JP
[72] YAMASAKI, AKITO, JP
[72] NAKANE, TSUKASA, JP
[72] TAKAHAMA, YUICHI, JP
[73] IHI CORPORATION, JP
[85] 2020-07-16
[86] 2018-10-30 (PCT/JP2018/040284)
[87] (WO2019/142436)
[30] JP (2018-006624) 2018-01-18

[11] **3,089,271**
[13] C
[51] **Int.Cl. F21V 33/00 (2006.01) F21S 8/02 (2006.01) F21V 23/04 (2006.01)**
[25] EN
[54] **SKYLIGHT FIXTURE**
[54] **APPAREIL DE PUITS DE LUMIERE**
[72] KELLER, BERND P., US
[72] LOWES, THEODORE D., US
[72] LEUNG, MICHAEL, US
[72] JACOBSON, BENJAMIN A., US
[72] TARSA, ERIC, US
[72] IBBETSON, JAMES, US
[72] GIROTTO, CLAUDIO, US
[73] IDEAL INDUSTRIES LIGHTING LLC, US
[85] 2020-07-20
[86] 2019-02-05 (PCT/US2019/016592)
[87] (WO2019/156950)
[30] US (62/628,131) 2018-02-08
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[25] EN
[54] **REDUCTION AT ELEVATED TEMPERATURE OF COATED STEELS CONTAINING METASTABLE AUSTENITE**
[54] **REDUCTION A TEMPERATURE ELEVEE D'ACIERS REVETUS CONTENANT DE L'AUSTENITE METASTABLE**
[72] GILL, AMRINDER SINGH, US
[72] PAVLINA, ERIK JAMES, US
[72] JANAVICIUS, PAUL VALDAS, US
[73] AK STEEL PROPERTIES, INC., US
[85] 2020-07-21
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[51] **Int.Cl. G01N 33/76 (2006.01)**
[25] EN
[54] **TEST PAPER FOR SEMI-QUANTITATIVE DETECTION OF HUMAN CHORIONIC GONADOTROPIN, REAGENT CUP, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **BANDELETTES D'ANALYSE POUR LA DETECTION SEMI-QUANTITATIVE DE GONADOTROPHINE CHORIONIQUE HUMAINE, TASSE POUR REACTIFS, METHODE DE PREPARATION ASSOCIEE ET LEUR UTILISATION**
[72] SUN, YIPIN, CN
[72] SHAO, ZHIYAN, CN
[72] OU, WEIJUN, CN
[73] NANTONG EGENS BIOTECHNOLOGY CO., LTD., CN
[85] 2020-09-18
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[51] **Int.Cl. G07C 13/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BLOCKCHAIN-BASED ANONYMIZED CRYPTOLOGIC VOTING**
[54] **VOTE CRYPTOLOGIQUE RENDU ANONYME, BASE SUR UNE CHAINE DE BLOCS**
[72] IVANOV, ALEKSANDR NIKOLAEVICH, RU
[72] KAZENNOV, ALEKSEI VLADIMIROVICH, RU
[72] MAVCHUN, GEORGII VALERIEVICH, RU
[72] RYMANOV, MIKHAIL, GB
[72] DE ROOIJ, PETER, GB
[72] VELISSARIOS, JOHN, GB
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[73] DSX HOLDINGS LIMITED, GB
[85] 2020-07-29
[86] 2019-01-25 (PCT/EP2019/051905)
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[30] RU (2018103253) 2018-01-29
[30] US (16/212,026) 2018-12-06

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[51] **Int.Cl. B61C 15/10 (2006.01) B61K 3/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DISPENSING A FRICTION-COEFFICIENT-OPTIMIZING MIXTURE**
[54] **DISPOSITIF ET PROCEDE DE DEVERSEMENT D'UN MELANGE D'OPTIMISATION DE FRICTION**
[72] REICH, ALEXANDER, DE
[72] IMBERT, LUC GEORGE, IT
[72] FREA, MATTEO, IT
[73] NOWE GMBH, DE
[85] 2020-07-30
[86] 2019-03-04 (PCT/EP2019/055259)
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[30] AT (A 50181/2018) 2018-03-05

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[25] EN
[54] **CRMP2 SUMOYLATION INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE LA SUMOYLATION DE CRMP2 ET UTILISATIONS ASSOCIEES**
[72] KHANNA, MAY, US
[72] KHANNA, RAJESH, US
[72] GOKHALE, VIJAY, US
[72] CHAWLA, REENA, US
[73] ARIZONA BOARD OF REGENTS ON BEHALF OF THE UNIVERSITY OF ARIZONA, US
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[87] (3090492)
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[25] EN
[54] **METHOD OF REMOVING DEBLOCKING ARTIFACTS**
[54] **PROCEDE D'ELIMINATION D'ARTEFACTS DE DEBLOCAGE**
[72] JANG, MIN, KR
[73] GENSQUARE LLC, KR
[86] (3090775)
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[25] EN
[54] **INFANT SLEEP GARMENT**
[54] **VETEMENT DE SOMMEIL POUR NOURRISSON**
[72] KARP, HARVEY, US
[72] LEE, ANGIE, US
[73] HB INNOVATIONS, INC., US
[85] 2020-08-06
[86] 2019-02-21 (PCT/US2019/019010)
[87] (WO2019/165112)
[30] US (62/633,529) 2018-02-21

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[51] **Int.Cl. F17D 1/16 (2006.01) F17D 1/17 (2006.01)**
[25] EN
[54] **TRANSPORTING BITUMEN FROTH HAVING COARSE SOLIDS THROUGH A PIPELINE**
[54] **TRANSPORT DE MOUSSE DE BITUME CONTENANT DES SOLIDES GROSSIERS DANS UN PIPELINE**
[72] REID, KEVIN, CA
[72] ANTHIEREN, GARY, CA
[72] SANDERS, SEAN, CA
[72] SCHAAN, JASON, CA
[73] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
[86] (3091060)
[87] (3091060)
[22] 2020-08-25
[30] US (62/891,816) 2019-08-26

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[25] EN
[54] **PORTABLE AND DISPOSABLE FAR-UVC DEVICE**
[54] **DISPOSITIF PORTATIF ET JETABLE A UVC LOINTAIN**
[72] ROSEN, JENNIFER K., US
[72] FEENEY, BENJAMIN X., US
[73] FREESTYLE PARTNERS, LLC, US
[85] 2020-08-13
[86] 2019-02-19 (PCT/US2019/018517)
[87] (WO2019/164810)
[30] US (62/632,716) 2018-02-20
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[51] **Int.Cl. C02F 1/24 (2006.01) C02F 3/12 (2006.01)**
[25] EN
[54] **HIGH SOLIDS DISSOLVED AIR FLOTATION SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE FLOTTATION A L'AIR DISSOUS A HAUTE TENEUR EN SOLIDES**
[72] ERDOGAN, ARGUN O., US
[72] DOYLE, MICHAEL L., US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2020-08-19
[86] 2019-03-13 (PCT/US2019/021972)
[87] (WO2019/178179)
[30] US (62/642,632) 2018-03-14

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[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **MEDICAL DELIVERY DEVICES HAVING LOW LUBRICANT HYDROPHOBIC SYRINGE BARRELS**
[54] **DISPOSITIFS D'ADMINISTRATION MEDICAUX COMPRENANT DES CYLINDRES DE SERINGUE HYDROPHOBES A FAIBLE TENEUR EN LUBRIFIANT**
[72] VAN VOORHEES, ERIC J., US
[72] WRIGHT, BENJAMIN, US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-08-20
[86] 2019-02-26 (PCT/US2019/019570)
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[51] **Int.Cl. B23K 9/32 (2006.01) B23K 9/173 (2006.01) B23K 9/28 (2006.01)**
[25] EN
[54] **THERMAL INSULATING PLATES FOR WELDING TORCHES**
[54] **PLAQUES D'ISOLATION THERMIQUE POUR CHALUMEAUX DE SOUDAGE**
[72] BONDY, CRAIG MATTHEW, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-08-20
[86] 2018-02-27 (PCT/US2018/019890)
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[25] EN
[54] **MIXTURES OF TRIGLYCERIDES AND OF ALKYLESTERS FROM VEGETABLE OIL AND APPLICATIONS**
[54] **MELANGES DE TRIGLYCERIDES ET D'ALKYLESTERS D'HUILE VEGETALE ET APPLICATIONS**
[72] DUMORTIER, LAURENT, MY
[72] KHOO MENG CHUAN, JEFFREY, MY
[73] BIOBOON LIMITED, CN
[85] 2020-08-21
[86] 2019-02-01 (PCT/IB2019/000153)
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[51] **Int.Cl. H04R 1/00 (2006.01) H04R 7/04 (2006.01)**
[25] EN
[54] **SPEAKER DEVICE**
[54] **APPAREIL DE HAUT-PARLEUR**
[72] YOKOHAMA, KINPEI, JP
[73] CITYFOREST WORKERS NET CO., LTD., JP
[85] 2020-08-31
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[25] EN
[54] **BUCKLE DEVICE**
[54] **DISPOSITIF DE BOUCLE**
[72] CHIU, SHIH-KUANG, TW
[73] BROGENT TECHNOLOGIES INC., TW
[86] (3093730)
[87] (3093730)
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[25] EN
[54] **BLOOD GLUCOSE TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI DE LA GLYCEMIE**
[72] CHASE, ARNOLD, US
[73] CHASE, ARNOLD, US
[85] 2020-09-21
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[25] EN
[54] **MESH NETWORK BASED ON A PREDICTIVE PATH MODEL**
[54] **RESEAU MAILLE BASE SUR UN MODELE DE TRAJET PREDICTIF**
[72] WESTRICK, RICHARD L., JR., US
[72] SANDERS, ALAN DAVID, US
[73] ABL IP HOLDING LLC, US
[86] (3094674)
[87] (3094674)
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[25] EN
[54] **STEEL PLATE FOR HOT STAMPING**
[54] **TOLE D'ACIER POUR ESTAMPAGE A CHAUD**
[72] ARAKI, HARUKA, JP
[72] HAMAMOTO, SAE, JP
[72] ASAI, TATSUYA, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2020-09-23
[86] 2019-03-19 (PCT/JP2019/011606)
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[30] JP (2018-059814) 2018-03-27
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[54] **PRINT LIQUID SUPPLY APPARATUS**
[54] **APPAREIL D'ALIMENTATION DE LIQUIDE D'IMPRESSION**
[72] LEISER, JUDSON M., US
[72] BOLEDA BUSQUETS, MIQUEL, ES
[72] KARLSBOECK, BERND, ES
[72] OLSEN, DAVID, US
[72] PETERSCHMIDT, MICHAEL E., US
[72] COLLIE, LYNN A., US
[72] OSBORNE, PAUL ALLAN, US
[72] SCHALK, WESLEY R., US
[72] ENDER, RONALD J., US
[72] HAINES, PAUL MARK, US
[72] KOLODZIEJ, ROGER J., US
[72] O'HARA, STEVE A., US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
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[25] EN
[54] **FROST PROTECTION APPARATUS FOR WATER SUPPLY APPARATUS IN RECREATIONAL VEHICLES**
[54] **DISPOSITIF DE PROTECTION ANTIGEL POUR DISPOSITIF D'ALIMENTATION EN EAU DANS UN VEHICULE DE LOISIR**
[72] MAACK, FRANK, DE
[72] WEBER, MICHAEL, DE
[73] TRUMA GERATETECHNIK GMBH & CO. KG, DE
[85] 2020-09-24
[86] 2019-07-01 (PCT/EP2019/067543)
[87] (WO2020/007776)
[30] DE (10 2018 115 980.3) 2018-07-02

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[51] **Int.Cl. F16B 25/04 (2006.01) F16B 33/02 (2006.01)**
[25] EN
[54] **FASTENERS FOR HIGH STRENGTH STEEL**
[54] **FIXATIONS POUR ACIER A HAUTE RESISTANCE**
[72] RUSZKIEWICZ, BRANDT J., US
[72] SIMPSON, GENE M., US
[73] SEMBLEX CORPORATION, US
[86] (3095326)
[87] (3095326)
[22] 2020-10-05
[30] US (16/687,146) 2019-11-18

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[51] **Int.Cl. A01D 34/73 (2006.01)**
[25] EN
[54] **ROTATABLE BLADE WITH REPLACEABLE CUTTING EDGES**
[54] **LAME ROTATIVE AVEC TRANCHANT REMPLACABLE**
[72] PUNTONI, PATRICK G., US
[73] PUNTONI PRODUCTS LLC, US
[86] (3095677)
[87] (3095677)
[22] 2020-10-07
[30] US (62/913,722) 2019-10-10
[30] US (16/729,301) 2019-12-28

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[25] EN
[54] **ORAL/ENTERAL NUTRITIONAL COMPOSITIONS AND PROCESS OF MANUFACUTRING THE SAME**
[54] **COMPOSITIONS NUTRITIVES ORALES/ENTERALES ET PROCEDE DE FABRICATION**
[72] PHAM, TIEN DUAT, VN
[73] ORGALIFE NUTRITION SCIENCE COMPANY LIMITED, VN
[85] 2020-09-22
[86] 2019-02-20 (PCT/VN2019/000002)
[87] (WO2019/246637)
[30] VN (1-2018-02610) 2018-06-18

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[13] C
[51] **Int.Cl. B62D 37/02 (2006.01)**
[25] EN
[54] **VEHICLE REAR WING STRUCTURE**
[54] **STRUCTURE D`AILE ARRIERE DE VEHICULE**
[72] CHEN, ALLAN, US
[73] CARUSE DESIGN INC., US
[86] (3096147)
[87] (3096147)
[22] 2020-10-15
[30] US (16658145) 2019-10-20

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[51] **Int.Cl. C08L 29/14 (2006.01) C08K 3/013 (2018.01) C08J 3/18 (2006.01) C08K 5/098 (2006.01) C08K 5/29 (2006.01)**
[25] EN
[54] **MODIFIED POLYVINYL BUTYRAL MATERIAL, AND PREPARATION AND APPLICATIONS THEREOF**
[54] **MATERIAU DE POLYVINYLBUTYRAL MODIFIE ET PREPARATION ET APPLICATIONS CONNEXES**
[72] CHANG, AN-HSIUNG, CN
[73] CHANG, AN-HSIUNG, CN
[86] (3096201)
[87] (3096201)
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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/10 (2012.01)**
[25] EN
[54] **REAL-TIME FRACTURE MONITORING, EVALUATION, AND CONTROL**
[54] **SURVEILLANCE, EVALUATION ET CONTROLE DE FRACTURE EN TEMPS REEL**
[72] SHETTY, DINESH ANANDA, US
[72] WANG, XUSONG, US
[72] WU, XIANG, US
[72] SRIDHAR, SRIVIDHYA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3096628)
[87] (3096628)
[22] 2020-10-21
[30] US (17/004,320) 2020-08-27

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[13] C
[51] **Int.Cl. F25J 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HIGH RECOVERY OF NITROGEN AND ARGON FROM A MODERATE PRESSURE CRYOGENIC AIR SEPARATION UNIT**
[54] **SYSTEME ET PROCEDE DE RECUPERATION ELEVEE D'AZOTE ET D'ARGON A PARTIR D'UNE UNITE DE SEPARATION D'AIR CRYOGENIQUE A PRESSION MODEREE**
[72] PROSSER, NEIL M., US
[72] HANDLEY, JAMES R., US
[72] KROMER, BRIAN R., US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-10-14
[86] 2019-04-22 (PCT/US2019/028438)
[87] (WO2019/209673)
[30] US (15/962,358) 2018-04-25

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[51] **Int.Cl. H04W 16/14 (2009.01) H04W 74/00 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE FOR UNLICENSED SPECTRUM**
[54] **PROCEDE DE COMMUNICATION SANS FIL DESTINE A UN SPECTRE SANS LICENCE, ET DISPOSITIF**
[72] WU, ZUOMIN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-10-15
[86] 2019-01-18 (PCT/CN2019/072358)
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[51] **Int.Cl. F25J 3/08 (2006.01) B01D 3/00 (2006.01) C01B 23/00 (2006.01) F25J 3/06 (2006.01) C01B 32/50 (2017.01)**
[25] EN
[54] **LIGHTS REMOVAL FROM CARBON DIOXIDE**
[54] **RETRAIT DES GAZ LEGERS DU DIOXYDE DE CARBONE**
[72] HIGGINBOTHAM, PAUL, GB
[72] PALAMARA, JOHN EUGENE, US
[72] SANDERSON, CORY E., US
[72] PETRIK, JOHN H., US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
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[87] (3097220)
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[51] **Int.Cl. G06F 3/0481 (2022.01) G06F 3/04845 (2022.01) G06F 3/04847 (2022.01) G06F 3/04883 (2022.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SWITCHING GLOBAL SPECIAL EFFECTS, TERMINAL DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMUTATION D'EFFETS SPECIAUX GLOBAUX, DISPOSITIF TERMINAL ET SUPPORT D'INFORMATIONS**
[72] WANG, YA, CN
[73] BEIJING MICROLIVE VISION TECHNOLOGY CO., LTD, CN
[85] 2020-10-20
[86] 2018-12-28 (PCT/CN2018/124745)
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[30] CN (201810697512.6) 2018-06-29

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[25] EN
[54] **HEAT INSULATING ELEMENT, BUILDING CONSTRUCTION AND METHOD FOR AVOIDING MOISTURE DAMAGE AT A BUILDING**
[54] **ELEMENT D'ISOLATION THERMIQUE, CONSTRUCTION DE BATIMENT ET PROCEDE EMPECHANT LA DETERIORATION DUE A L'HUMIDITE AU NIVEAU D'UN BATIMENT**
[72] WORCH, ANATOL, DE
[73] SAINT-GOBAIN ISOVER, FR
[85] 2020-11-10
[86] 2019-05-22 (PCT/EP2019/063230)
[87] (WO2019/224257)
[30] DE (10 2018 112 260.8) 2018-05-22

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[51] **Int.Cl. H04N 21/8358 (2011.01) H04L 9/30 (2006.01) H04L 12/22 (2006.01)**
[25] EN
[54] **VERIFYING DISPLAY OF THIRD PARTY CONTENT AT A CLIENT DEVICE**
[54] **VERIFICATION DE L'AFFICHAGE D'UN CONTENU TIERS AU NIVEAU D'UN PERIPHERIQUE CLIENT**
[72] WANG, GANG, US
[72] JACOBSON, ALEX DANIEL, US
[73] GOOGLE LLC, US
[85] 2020-11-20
[86] 2020-02-06 (PCT/US2020/017027)
[87] (WO2021/158229)

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[51] **Int.Cl. E21B 49/00 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **WELL OPERATIONS INVOLVING SYNTHETIC FRACTURE INJECTION TEST**
[54] **TRAVAUX DE PUITS IMPLIQUANT UN TEST D'INJECTION DE FRACTURE SYNTHETIQUE**
[72] KUMAR, AMIT, US
[72] KNABE, STEVEN PATTON, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[54] **DISPOSITIF DE TENSION DE SECURITE POUR LES AUTOMOBILES**
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[72] CHEN, YANQIONG, CN
[72] DENG, WEI, CN
[73] NINGBO XULI METAL PRODUCTS CO.,LTD., CN
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[54] **FRACTURING SYSTEM AND METHOD**
[54] **SYSTEME DE FRACTURATION ET PROCEDE**
[72] GAUDETTE, SEAN, US
[72] CROY, JONATHAN NICHOLAS, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **DISPOSITIF ATTACHABLE ET DETACHABLE ET PROCEDE**
[72] DOANE, JAMES, US
[73] BAKER HUGHES HOLDINGS LLC, US
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[54] **SEPARATION MECANISEE DE DECHETS SOLIDES MIXTES ET RECUPERATION DES PRODUITS RECYCLABLES**
[72] GISTSCHEL, GEORGE, US
[73] ORGANIC ENERGY CORPORATION, US
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[72] POWELL, JACK R., III, US
[72] BRAUN, ALEXANDER LOUIS, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[54] **STATION D'ATTRACTION D'INSECTES VOLANTS**
[72] JOHNSTON, STACI J., US
[72] GARDNER, DOUGLAS B., US
[72] NELSON, THOMAS D., US
[73] ECOLAB USA INC., US
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[54] **PUMP ASSEMBLY CARRYING RASP**
[54] **RUGINE PORTEUSE D'UN MECANISME DE POMPE**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CA
[72] SHI, ZHENCHUN, CA
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[54] **TURBINE EXHAUST CRACK MITIGATION USING PARTIAL COLLARS**
[54] **ATTENUATION DE FISSURES D'ECHAPPEMENT TURBINE PAR UTILISATION DE COLLIERS PARTIELS**
[72] MAURYA, SHASHIKANT, IN
[72] GIAIMO, JOHN, US
[72] WIEBE, RYAN DAVID, US
[72] NICKOLS, KEITH L., US
[72] CORREA, ANDRE, US
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **MULTI-POINT LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE MULTIPOINT**
[72] MCLEAN, HUGH DAVID GEOFFREY, GB
[72] ENGLISH, NIALL, IE
[73] EVERSAFE EUROPE LIMITED, IE
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[54] **METHOD AND SYSTEM FOR ASSESSING COGNITIVE FUNCTION OF AN INDIVIDUAL**
[54] **METHODE ET SYSTEME POUR EVALUER LA FONCTION COGNITIVE D'UN INDIVIDU**
[72] HALL, PETER ANTHONY, CA
[72] LOWE, CASSANDRA, CA
[73] HALL, PETER ANTHONY, CA
[73] LOWE, CASSANDRA, CA
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[54] **LOW-CALORIE SOYMILK WITH REDUCED SOYBEAN ODOR**
[54] **LAIT DE SOJA A FAIBLE TENEUR EN CALORIES A ODEUR DE SOJA REDUITE**
[72] LIM, HYE JIN, KR
[72] KIM, BONG CHAN, KR
[72] KIM, YONG-IN, KR
[72] SEO, IL, KR
[72] LEE, SEUNG MI, KR
[72] LIM, SU YOUN, KR
[72] HAN, TAE-CHUL, KR
[73] SAMYANG CORPORATION, KR
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[54] **COPOLYMERE HYDROPHILE A GROUPES THIOL PENDANTS**
[72] CHANG, FRANK, US
[72] HOLLAND, TROY VERNON, US
[72] DESOUSA, RYAN, US
[72] JING, FENG, US
[73] ALCON INC., US
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[54] **METHODS AND SYSTEMS FOR DRILLING A MULTILATERAL WELL**
[54] **PROCEDE ET SYSTEMES POUR FORER UN PUITS MULTILATERAL**
[72] HEPBURN, NEIL, GB
[72] TELFER, STUART A., GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PHYSICAL PARAMETER PROJECTION FOR WELLBORE DRILLING**
[54] **PREVISION DE PARAMETRE PHYSIQUE POUR LE FORAGE D'UN TROU DE FORAGE**
[72] WESLEY, AVINASH, US
[72] SAMUEL, ROBELLO, US
[72] MITTAL, MANISH K., US
[73] LANDMARK GRAPHICS CORPORATION, US
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[54] **WATER WETTING CHEMICAL SELECTION FOR SAGD AND WELL PAIR STARTUP USING WATER WETTING SURFACTANTS**
[54] **SELECTION DE PRODUIT CHIMIQUE MOUILLE A L'EAU POUR LE SAGD ET LE DEMARRAGE DE PAIRE DE PUITS AU MOYEN D'AGENTS DE SURFACE DE MOUILLAGE A L'EAU**
[72] GUERRERO, URIEL, CA
[73] SUNCOR ENERGY INC., CA
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[87] (3105769)
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[54] **AUTONOMOUS WELLBORE DRILLING WITH SATISFICING DRILLING PARAMETERS**
[54] **FORAGE AUTONOME DE PUITS AVEC PARAMETRES DE FORAGE SATISFAISANTS**
[72] SAMUEL, ROBELLO, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[54] **METRIC-BASED SUSTAINABILITY INDEX FOR WELLBORE LIFE CYCLE**
[54] **INDICE DE DURABILITE METRIQUE POUR UN CYCLE DE VIE D`UN PUITS DE FORAGE**
[72] SRINIVASAN, NAGARAJ, US
[72] SAMUEL, ROBELLO, US
[73] LANDMARK GRAPHICS CORPORATION, US
[86] (3106708)
[87] (3106708)
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[54] **APPARATUS AND METHOD FOR CRYOGRANULATING A PHARMACEUTICAL COMPOSITION**
[54] **APPAREIL ET METHODE DE CRYOGRANULATION D'UNE COMPOSITION PHARMACEUTIQU**
[72] AMORO, EDWIN, US
[72] VANACKERE, KAREL, US
[72] WHITE, MICHAEL A., US
[73] MANNKIND CORPORATION, US
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[54] **WELLSITE PUMPING SYSTEMS AND METHODS OF OPERATION**
[54] **SYSTEME DE POMPAGE DE SITE DE FORAGE ET PROCEDES DE FONCTIONNEMENT**
[72] CHRETIEN, ALEXANDER S., US
[72] STEPHENSON, STANLEY V., US
[72] ADAMS, MARK A., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ELECTRIC LOADING MULTIFUNCTIONAL TEST BENCH FOR POWER-DIVIDING HYDRAULIC-MECHANICAL COMPOSITE TRANSMISSION SYSTEM AND APPLICATION THEREOF**
[54] **BANC D'ESSAI MULTIFONCTIONNEL A CHARGEMENT ELECTRIQUE DESTINE A UN SYSTEME DE TRANSMISSION COMPOSITE HYDRAULIQUE-MECANIQUE A DIVISION DE PUISSANCE ET APPLICATION CORRESPONDANTE**
[72] WAN, LIRONG, CN
[72] DAI, HANZHENG, CN
[72] ZENG, QINGLIANG, CN
[72] SUN, ZHIYUAN, CN
[72] TIAN, MINGQIAN, CN
[72] LIU, WENTING, CN
[73] SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, CN
[73] TAISHAN UNIVERSITY, CN
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[72] LIM, HYE JIN, KR
[72] KIM, BONG CHAN, KR
[72] KIM, YONG-IN, KR
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[72] LIM, SU YOUN, KR
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[54] **LAMPE DE PROJECTION A MOTIFS ETOILES**
[72] ZHENG, HUAZHU, CN
[72] LU, YUNYUN, CN
[72] ZHENG, CAIJIAN, CN
[72] OUYANG, WENZHEN, CN
[73] SHENZHEN BOLONG TECHNOLOGY CO., LTD., CN
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[54] **COMMANDE DE FLUX A ACTION DIRECTE DU SYSTEME DE TRANSFERT DE CHALEUR**
[72] TERZIC, ZELJKO, CA
[72] HUM, REDMOND, CA
[72] ACOSTA GONZALEZ, MARCELO JAVIER, CA
[72] PATEL, RITESH, CA
[73] S. A. ARMSTRONG LIMITED, CA
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[54] **COMMANDE DE FLUX A ACTION DIRECTE DU SYSTEME DE TRANSFERT DE CHALEUR**
[72] TERZIC, ZELJKO, CA
[72] HUM, REDMOND, CA
[72] ACOSTA GONZALEZ, MARCELO JAVIER, CA
[72] PATEL, RITESH, CA
[73] S. A. ARMSTRONG LIMITED, CA
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[54] **BOBINES CONTINUES CONTENANT UNE COUCHE MINCE DE FILM ANODISE ET SYSTEMES ET LEURS PROCEDES DE FABRICATION**
[72] BULL, MICHAEL JACKSON, US
[72] BALL, JONATHAN, GB
[72] BECK, THOMAS J., US
[72] ZHU, DEWEI, US
[72] SUNDARAM, VENKATESH, US
[72] JOHNSON, KEVIN MARK, US
[73] NOVELIS INC., US
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[54] **PROCEDE DE PRODUCTION D'UN CORPS MOULE EN CARBONE-CERAMIQUE**
[72] SCHNECK, TANJA, DE
[72] HERMANUTZ, FRANK, DE
[73] TECHNIKUM LAUBHOLZ GMBH, DE
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[54] **FLOW GUIDE MESH, MEMBRANE ELEMENT, AND FILTER ASSEMBLY**
[54] **MAILLE DE GUIDAGE D'ECOULEMENT, ELEMENT DE MEMBRANE ET ENSEMBLE FILTRANT**
[72] CHEN, CHEN-FENG, CN
[73] KEMFLO (NANJING) ENVIRONMENTAL TECHNOLOGY CO., LTD., CN
[73] KEMFLO INTERNATIONAL CO., LTD., TW
[73] CHING-HSIUNG, LIN, TW
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[54] **CONTROL SYSTEMS FOR A MINING VEHICLE**
[54] **SYSTEMES DE COMMANDE POUR VEHICULE MINIER**
[72] RYAN, JAMES, US
[72] PHIFER, VAN I., US
[73] CATERPILLAR GLOBAL MINING LLC, US
[86] (3114370)
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[25] EN
[54] **METHOD AND DEVICE FOR TELEMETRY IN ACOUSTIC ARRAYS TECHNICAL FIELD**
[54] **PROCEDE ET DISPOSITIF DE TELEMESURE DANS LE DOMAINE TECHNIQUE DES RESEAUX ACOUSTIQUES**
[72] HALLEMEIER, PETER F., US
[72] HEINS, ALAN M., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2021-03-26
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[54] **SPIRAL WOUND PROTEIN SEPARATION DEVICE**
[54] **DISPOSITIF DE SEPARATION DE PROTEINES ENROULEES EN SPIRALE**
[72] JOHNSON, MATTHEW A., US
[72] MCMANAWAY, MICHAEL C., US
[72] ZUKOR, KENNETH A., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2021-05-04
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[25] EN
[54] **RETAINING-WALL PANEL SYSTEM AND FLEXIBLE REINFORCEMENT MECHANICAL CONNECTION METHOD THEREFOR**
[54] **SYSTEME DE PANNEAU DE MUR DE SOUTENEMENT ET METHODE DE RACCORD MECANIQUE DE RENFORCEMENT SOUPLE CONNEXE**
[72] ZHEN, HARDWIN ZHANHONG, CA
[73] ZHEN'S CORPORATION, CA
[86] (3121976)
[87] (3121976)
[22] 2021-06-11
[30] US (63/129,519) 2020-12-22
[30] US (63/155,934) 2021-03-03
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[54] **CONSTRUCTION SYSTEM AND METHOD AND RELATED ARTICLES**
[54] **SYSTEME ET METHODE DE CONSTRUCTION ET ARTICLES ASSOCIES**
[72] STRAYER, MARK A., US
[72] FIFER, NEAL J., US
[72] BURNETT, MARVIN K., US
[73] SAUDER WOODWORKING CO., US
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[87] (3123659)
[22] 2018-01-10
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[54] **SYSTEMES POUR CONTROLER LES CARACTERISTIQUES D'EMISSION LUMINEUSE D'UN APPAREIL D'ECLAIRAGE**
[72] RODRIGUEZ, YAN, US
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[54] **PROCEDE POUR LA FABRICATION D'UN PANNEAU DE BOIS RESISTANT A L'ABRASION**
[72] SCHUMACHER, CHRISTOPH, DE
[72] ZICK, STEFAN, DE
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[72] EIBL, STEFAN, DE
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[54] **CONTENEUR AERODYNAMIQUE MODULAIRE DE FRET AERIEN**
[72] WEEKES, TERIK, US
[72] BELARDO, SEAN, US
[72] COPE, CLINT, US
[72] OWEN, COLIN, US
[72] JONES, ISAIAH, US
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[54] **RACCORD D'APPAREIL DE PLOMBERIE ELECTRONIQUE COMPORTANT UN MODULE DE DEBIT**
[72] EVANS, KENNETH E., US
[72] MOGHE, SANJEEV S., US
[73] FORTUNE BRANDS WATER INNOVATIONS LLC, US
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[54] **AUTORISATION DYNAMIQUE D'UN DISPOSITIF INVITE A REJOINDRE UN RESEAU CBRS PRIVE**
[72] MAKHLOUF, ISAM R., US
[72] CHEN, ETHAN Y., US
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[54] **PROCEDE POUR LA PRODUCTION DE MELANGE DE CHARBONS ET PROCEDE POUR LA PRODUCTION DE COKE**
[72] DOHI, YUSUKE, JP
[72] MATSUI, TAKASHI, JP
[72] NAGAYAMA, MIKIYA, JP
[73] JFE STEEL CORPORATION, JP
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[54] **PROCEDE DE PRODUCTION DE CHARBON A FAIBLE TENEUR EN SOUFRE**
[72] MURAI, RYOTA, JP
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[72] SUGAWARA, KATSUYASU, JP
[72] KATO, TAKAHIRO, JP
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[54] **SYSTEMES ET PROCEDES D'ELIMINATION D'IMPURETES SPECIFIQUES DE FLUIDES TELS QUE LE SANG A L'AIDE D'UN SELECTEUR A NANOTUBES**
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[54] **SYSTEME DE TRANSPORT PAR RAIL EN PORTE-A-FAUX**
[72] MEERDINK, JAN JOHANNES, NL
[72] VAN DER STEEN, FRANCISCUS THEODORUS HENRICUS JOHANNES, NL
[72] EBERGEN, ADRIAAN, NL
[72] KRANENBARG, RONALD, NL
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[54] **PROCEDE ET APPAREIL POUR TRAITER UNE PARTIE DE DEMI-CARCASSE DE PORC SUSPENDUE A UN SUPPORT**
[72] MEERDINK, JAN JOHANNES, NL
[72] VAN DER STEEN, FRANCISCUS THEODORUS HENRICUS JOHANNES, NL
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[54] **METHOD AND SYSTEM FOR DISTRIBUTED DATA STORAGE WITH ENHANCED SECURITY, RESILIENCE, AND CONTROL**
[54] **PROCEDE ET SYSTEME DE STOCKAGE DISTRIBUE DE DONNEES AVEC SECURITE, RESILIENCE ET COMMANDE AMELIOREES**
[72] CHUNG, JAEYOON, US
[73] MYOTA, INC., US
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[54] **MELANGE D'HYDROCARBURES CONTENANT DES CONSTITUANTS FOSSILES ET RENOUVELABLES ET PROCEDE DE PRODUCTION D'UN TEL MELANGE**
[72] IVERSEN, STEEN BRUMMERSTEDT, DK
[72] GUERRERO, JULIE KATERINE RODRIGUEZ, CA
[73] STEEPER ENERGY APS, DK
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[54] **HEAVY PHASE LIQUID DISCHARGE ELEMENT FOR A CENTRIFUGAL SEPARATOR, CENTRIFUGAL SEPARATOR AND METHOD FOR SEPARATING TWO LIQUID PHASES**
[54] **ELEMENT D'EVACUATION DE LIQUIDE DE PHASE LOURDE POUR SEPARATEUR CENTRIFUGE, SEPARATEUR CENTRIFUGE ET PROCEDE DE SEPARATION DE DEUX PHASES LIQUIDES**
[72] MADSEN, BENT, DK
[73] ALFA LAVAL CORPORATE AB, SE
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[54] **DEVELOPPEMENT DE PROCEDE DE TEST PERMETTANT L'IDENTIFICATION DU DEBIT MASSIQUE DE PETITES PARTICULES OCCLUSIVES EN MICROLUMENS**
[72] FOWLER, AARON J., US
[72] JOSEPH, BLESSAN C., US
[72] CHUDZIK, RAFAL, US
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[54] **ASSEMBLAGE D'IMPACTEUR POUR COTYLE DU FEMUR, ET TROUSSE**
[72] TERMANINI, ZAFER, US
[72] VANHIEL, BRIAN, US
[72] CHARLES, KIRK, US
[73] HIP INNOVATION TECHNOLOGY, LLC, US
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[54] **SYSTEME DE REACTEUR A LIT FLUIDISE PERMETTANT UN ECHANTILLONNAGE DE PARTICULES PENDANT UNE REACTION EN COURS**
[72] KIM, HOWARD TAERY, US
[73] X ENERGY, LLC, US
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[54] **COMPOSE AMINE PYRIMIDINIQUE A CYCLE CONDENSE ET PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ET UTILISATION ASSOCIEE**
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[72] LI, JIA, CN
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[72] SHEN, JINGKANG, CN
[72] ZANG, YI, CN
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[54] **ENSEMBLE CABLE DE DONNEES ARME**
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[54] **PIECE RAPPORTEE D'OUTIL DE SOUDAGE PAR FRICTION-MALAXAGE AVEC UN MATERIAU A BASE DE PCBN AYANT UNE COUCHE DE SURFACE TEXTUREE**
[72] RODRIGUEZ SUAREZ, TERESA, GB
[72] SCARSBROOK, GEOFFREY ALAN, GB
[72] CANN, MARIA LOUISE, GB
[72] PFAFF, JOSQUIN, CH
[73] ELEMENT SIX (UK) LIMITED, GB
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[54] **CHEMISE DE TUYAU AMELIOREE ET PROCEDES ASSOCIES**
[72] BARNES, STEPHEN, GB
[73] FLOWLINING LIMITED, GB
[85] 2022-03-07
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[54] **METHOD AND SYSTEM FOR PRODUCING A HYDROCARBON- AND HYDROGEN-CONTAINING GAS MIXTURE FROM PLASTICS**
[54] **METHODE ET SYSTEME DE PRODUCTION D'UN MELANGE DE GAZ CONTENANT DES HYDROCARBURES ET DE L'HYDROGENE A PARTIR DE PLASTIQUES**
[72] REISSNER, MARKUS, DE
[72] REISSNER, ANDREAS, DE
[72] REISSNER, PATRICK, DE
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[54] **SYSTEME OPTIQUE AVEC PROJECTEUR D'IMAGE COMPACT**
[72] GREENSTEIN, KOBI, IL
[72] EISENFELD, TSION, IL
[72] GOLDSTEIN, NETANEL, IL
[73] LUMUS LTD., IL
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[54] **METHODS AND SYSTEMS FOR REMOTE IDENTIFICATION, MESSAGING, AND TOLLING OF AERIAL VEHICLES**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION, DE MESSAGERIE ET DE PEAGE, A DISTANCE, DE VEHICULES AERIENS**
[72] BARNES, SCOTT G., US
[72] MAXWELL, KATIE J., US
[72] HARLAN, SCOTT D., US
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[72] LEAR, JOHN S., US
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[54] **CHAUSSEE COMPOSITE EN BETON SANS JOINT**
[72] CEPURITIS, ROLANDS, LV
[72] OSLEJS, JANIS, LV
[72] ZEGELIS, ALDIS, LV
[72] KAMARS, JANIS, LV
[72] PEASE, BRADLEY JUSTIN, CA
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[54] **METHODE ET SYSTEME DE DISTRIBUTION DE BILLETS ELECTRONIQUES AVEC ECRAN POUR VERIFICATION.**
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[72] GRASSER, MATHEW, US
[72] GUESS, CHRISTOPHER, US
[72] IHM, NICHOLAS, US
[72] KRUECKEBERG, SAMUEL, US
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[54] **LOGICIEL FRONTAL DE COMMUNICATION EN CHAMP PROCHE A USAGES MULTIPLES DESTINE A UN SYSTEME DE POINTS DE VENTE**
[72] PATWARDHAN, KETAN, US
[72] GOPALAKRISHNAN, NARAYANAN, US
[72] PAN, VICTOR, US
[72] CASTILLO, JAMES, US
[73] CLOVER NETWORK, LLC, US
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[72] LUEDER, TIMOTHY, US
[73] DOW SILICONES CORPORATION, US
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[54] **SYSTEME ET PROCEDE POUR FILTRAGE ANTI-GIGUE DE SUIVI D'OBJET**
[72] DEANGELIS, DOUGLAS J., US
[72] REILLY, GERARD M., US
[72] SIGEL, KIRK M., US
[72] EVANSEN, EDWARD G., US
[73] ISOLYNX, LLC, US
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[51] **Int.Cl. A61K 36/07 (2006.01) A61K 31/715 (2006.01)**
[25] EN
[54] **A SET OF "DOMINANT PARAMETERS" TO STANDARDIZE THE PROCEDURE FOR DUAL-EXTRACTION OF THE INONOTIS OBLIQUUS (CHAGA)**
[54] **ENSEMBLE DE « PARAMETRES DOMINANTS » POUR NORMALISER LA PROCEDURE DE DOUBLE EXTRACTION DE POLYPORE OBLIQUE (CHAGA)**
[72] LIOU, IVY, CA
[71] LIOU, IVY, CA
[22] 2021-07-31
[41] 2023-01-31

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[21] **3,126,254**
[13] A1
[51] **Int.Cl. A61H 1/00 (2006.01) A61B 90/50 (2016.01) A61H 23/00 (2006.01)**
[25] EN
[54] **PORTABLE SOLENOID ACTUATED IMPULSE TREATMENT DEVICE AND USE THEREOF**
[54] **DISPOSITIF DE TRAITEMENT PAR IMPULSION ACTIONNE PAR SOLENOIDE PORTATIF ET UTILISATION CONNEXE**
[72] KHAN, ASLAM, CA
[71] NEURO SPINAL INNOVATION INC., CA
[22] 2021-07-29
[41] 2023-01-29

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[21] **3,126,339**
[13] A1
[51] **Int.Cl. C22B 3/44 (2006.01) C22B 1/02 (2006.01) C22B 59/00 (2006.01) C25C 1/22 (2006.01)**
[25] FR
[54] **RECOVERY OF RARE EARTH FROM SEA SALT**
[54] **RECUPERATION DES TERRES RARES A PARTIR DU SEL DE MER**
[72] ROJAS, MIGUEL, CA
[72] VASQUEZ, SEBASTIEN, CA
[71] ROJAS, MIGUEL, CA
[71] VASQUEZ, SEBASTIEN, CA
[22] 2021-07-29
[41] 2023-01-29

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[21] **3,126,487**
[13] A1
[51] **Int.Cl. E02D 5/80 (2006.01) E02D 31/00 (2006.01) E02D 31/02 (2006.01)**
[25] EN
[54] **WATERTIGHT, RECESSED TIE-BACK ANCHOR DETAIL**
[54] **DETAIL DE POTEAU D'ENCRAGE EVIDE ET ETANCHE**
[72] HENRY, DONALD, CA
[71] HENRY, DONALD, CA
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,498**
[13] A1
[51] **Int.Cl. A41D 19/015 (2006.01) A41D 27/24 (2006.01) A41H 43/00 (2006.01)**
[25] EN
[54] **GLOVE WITH EXTERNAL SEAM PORTION**
[54] **GANT COMPRENANT UNE PARTIE DE COUTURE EXTERNE**
[72] HARRIS, RICHARD, US
[72] MALENICH, LIBERTY, US
[71] LION GROUP, INC., US
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,502**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01) F16L 41/02 (2006.01)**
[25] EN
[54] **LIQUID SPRAY APPARATUS**
[54] **APPAREIL DE PULVERISATION DE LIQUIDE**
[72] SHAH, ANKITKUMAR, CA
[71] TNH CAR WASH INC., CA
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,503**
[13] A1
[51] **Int.Cl. E06B 7/23 (2006.01)**
[25] EN
[54] **WEATHER STRIPPING ASSEMBLY FOR DOORS**
[54] **ASSEMBLAGE DE BOURRELET DE CALFEUTRAGE POUR PORTES**
[72] GREENE, ROBERT, CA
[71] JACOBS & THOMPSON INC., CA
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,506**
[13] A1
[51] **Int.Cl. A41H 1/00 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VIRTUAL GARMENT FITTING**
[54] **SYSTEME ET METHODE D'AJUSTEMENT DE VETEMENT VIRTUEL**
[72] TO, KATIE, CA
[72] VO, KIET, CA
[71] TO, KATIE, CA
[71] VO, KIET, CA
[22] 2021-07-30
[41] 2023-01-30

[21] **3,126,520**
[13] A1
[51] **Int.Cl. A61K 31/045 (2006.01) A61K 9/107 (2006.01) A61K 47/08 (2006.01) A61K 47/14 (2017.01) A61P 31/02 (2006.01)**
[25] EN
[54] **HAND SANITIZER MICROEMULSION**
[54] **MICROEMULSION DE DESINFECTANT POUR LES MAINS**
[72] ABDELFATAH, ELSAYED, CA
[72] WEISSENBERGER, MARKUS, CA
[71] FLUID ENERGY GROUP LTD., CA
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,565**
[13] A1
[51] **Int.Cl. H02H 7/045 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIFFERENTIAL PROTECTION UNDER GEOMAGNETICALLY INDUCED CURRENT**
[54] **SYSTEME ET METHODE DE PROTECTION DIFFERENTIELLE EN CONDITION DE COURANT INDUIT GEOMAGNETIQUEMENT**
[72] EZAEI ZARE, AFSHIN, CA
[72] AHMADZADEH-SHOOSHTARI, BABAK, CA
[71] EZAEI ZARE, AFSHIN, CA
[71] AHMADZADEH-SHOOSHTARI, BABAK, CA
[22] 2021-07-30
[41] 2023-01-30

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[21] **3,126,581**
[13] A1
[51] **Int.Cl. E01D 22/00 (2006.01) E01D 15/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HEMP REINFORCED ICE BRIDGE**
[54] **SYSTEME ET METHODE POUR PONT DE GLACE RENFORCE DE CHANVRE**
[72] MILLAM, LUKE, US
[71] MILLAM, LUKE, US
[22] 2021-08-02
[41] 2023-02-01
[30] US (63/060,039) 2021-08-01

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[21] **3,126,636**
[13] A1
[51] **Int.Cl. A61B 5/316 (2021.01) A61B 5/369 (2021.01) A61B 5/389 (2021.01) A61B 5/398 (2021.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHOD OF DETECTING AND TRACKING BLINK AND BLINK PATTERNS USING BIOPOTENTIAL SENSORS**
[54] **METHODE DE DETECTION ET DE SUIVI DE CLIGNEMENTS ET DE MODELES DE CLIGNEMENTS A L'AIDE DE CAPTEURS DE BIOPOTENTIEL**
[72] KOMEILIPOOR, NAEEM, CA
[71] KOMEILIPOOR, NAEEM, CA
[22] 2021-08-03
[41] 2023-02-03

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[21] **3,126,637**
[13] A1
[51] **Int.Cl. H04L 67/01 (2022.01) G06F 16/90 (2019.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING ONE OR MORE TRANSFER FEATURES ASSOCIATED WITH A REAL-TIME TRANSFER PROTOCOL**
[54] **SYSTEME ET METHODE POUR PERMETTRE D'ACTIVER UNE OU PLUSIEURS FONCTIONS DE TRANSFERT ASSOCIEES A UN PROTOCOLE DE TRANSFERT EN TEMPS REEL**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] RASTOGI, KUSHANK, CA
[72] LALKA, VIPUL KISHORE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-08-03
[41] 2023-02-03

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[21] **3,126,642**
[13] A1
[51] **Int.Cl. A24D 3/04 (2006.01)**
[25] EN
[54] **CIGARETTE FILTER**
[54] **FILTRE DE CIGARETTE**
[72] MUSGRAVE ,COLIN, CA
[71] ENTHEOGENERATION INC., CA
[22] 2021-08-03
[41] 2023-02-03

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[21] **3,126,645**
[13] A1
[51] **Int.Cl. B29D 11/00 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A LENS WITH AN EMBEDDED FOIL**
[54] **METHODE DE FABRICATION DE LENTILLES AVEC FEUILLE ENCASTREE**
[72] KORNER, LUTZ, CH
[72] ARNET, ROMAN, CH
[72] PIOTROWSKI, DANIEL, CH
[71] METAMATERIAL INC., CA
[22] 2021-08-03
[41] 2023-02-03

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[21] **3,126,658**
[13] A1
[51] **Int.Cl. H02S 10/40 (2014.01) H02S 10/10 (2014.01) B60P 3/36 (2006.01) H02J 7/35 (2006.01)**
[25] EN
[54] **PORTABLE CAMPER/RV SHOREPORT SOLAR POWER BOX WITH PORTABLE SOLAR PANEL ARRAY**
[54] **BLOC D'ALIMENTATION SOLAIRE PORTABLE POUR AUTOCARAVANE/VEHICULE DE PLAISANCE SHOREPORT AVEC PANNEAUX SOLAIRES PORTABLES**
[72] MACNAB, JAY, CA
[72] ANNALA, MIRIAM, CA
[71] MACNAB, JAY, CA
[71] ANNALA, MIRIAM, CA
[22] 2021-08-03
[41] 2023-02-03

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[21] **3,126,672**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) G16Z 99/00 (2019.01) A63B 63/00 (2006.01)**
[25] EN
[54] **UNIVERSAL AND MODULAR COMPUTERIZED SPORTS TARGET SYSTEM**
[54] **SYSTEME UNIVERSEL ET MODULAIRE DE CIBLES POUR SPORTS INFORMATISE**
[72] ST-PIERRE, MARC, CA
[71] ST-PIERRE, MARC, CA
[22] 2021-08-04
[41] 2023-02-04

[21] **3,126,813**
[13] A1
[51] **Int.Cl. A45C 11/24 (2006.01) A47D 15/00 (2006.01) A47G 9/06 (2006.01) B65B 5/00 (2006.01) B65D 85/18 (2006.01) B65F 1/00 (2006.01)**
[25] EN
[54] **MULTIFUNCTION DIAPER BAG**
[54] **SAC A COUCHE MULTIFONCTIONNEL**
[72] DEL PRIOIRE, LUCIA, CA
[71] DEL PRIOIRE, LUCIA, CA
[22] 2021-08-05
[41] 2023-02-04
[30] US (17/444,475) 2021-08-04

[21] **3,127,345**
[13] A1
[51] **Int.Cl. B81B 3/00 (2006.01) G01C 19/5684 (2012.01)**
[25] EN
[54] **MEMS VIBRATING RING RESONATOR WITH DEFORMABLE INNER RING-SHAPED SPRING SUPPORTS**
[54] **RESONATEUR EN ANNEAU VIBRANT DE SYSTEME MICROELECTROMECANIQUE (MEMS) AVEC SUPPORTS DE RESSORT ANNULAIRE INTERNE DEFORMABLE**
[72] KHAN, IMRAN, CA
[72] TING, DAVID S.K., CA
[72] AHAMED, MOHAMMED JALAL, CA
[71] UNIVERSITY OF WINDSOR, CA
[22] 2021-08-04
[41] 2023-02-04

[21] **3,128,490**
[13] A1
[51] **Int.Cl. B60P 7/08 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **BRACKETS AND METHODS FOR INSTALLING MODULAR, LIGHTWEIGHT LOAD-CARRYING PANELS AND RACKS ON AUTOMOBILES**
[54] **SUPPORTS ET METHODES POUR INSTALLER DES PANNEAUX DE SOUTENEMENT MODULAIRES LEGERS ET RATELIERS SUR AUTOMOBILES**
[72] HOOGENDOORN, SETH, US
[72] SCHRAMM, CONNER, US
[72] NIEMEYER, NICHOLAS, US
[72] THOMPSON, MATTHEW, US
[72] FREEMAN, PARKER, US
[71] PUTCO, INC., US
[22] 2021-08-16
[41] 2023-01-30
[30] US (17/390,434) 2021-07-30

[21] **3,128,590**
[13] A1
[51] **Int.Cl. C04B 35/626 (2006.01) B22C 9/02 (2006.01) C04B 14/02 (2006.01) C04B 18/08 (2006.01) C04B 18/14 (2006.01) C04B 35/64 (2006.01)**
[25] EN
[54] **A NOVEL METHOD OF PRODUCING IMPROVED LIGHTWEIGHT CERAMIC SAND AND USES THEREOF**
[54] **NOUVELLE METHODE DE PRODUCTION DE SABLE CERAMIQUE LEGER AMELIORE ET UTILISATIONS CONNEXES**
[72] KHAN, ABBAS, DE
[71] KHAN, ABBAS, DE
[22] 2021-08-19
[41] 2023-02-04
[30] US (17/393,506) 2021-08-04

[21] **3,128,617**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/64 (2013.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR SECURE PROCESSING OF REAL-TIME RESOURCE TRANSFERS**
[54] **SYSTEME ET PROCEDES DE TRAITEMENT SECURISE EN TEMPS REEL DE TRANSFERTS DE RESSOURCES**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[72] RASTOGI, KUSHANK, CA
[72] LALKA, VIPUL KISHORE, CA
[72] JOHEB, ASAD, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-08-18
[41] 2023-01-29
[30] US (17/388,316) 2021-07-29

[21] **3,130,510**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CANOLA VARIETY 18UU2731R**
[54] **VARIETE DE CANOLA 18UU2731R**
[72] ALAHAKOON, USHAN, US
[72] PATEL, JAYANTILAL DEVABHAI, CA
[71] AGRIGENETICS, INC., US
[22] 2021-09-13
[41] 2023-01-29
[30] US (17/388,746) 2021-07-29

[21] **3,131,835**
[13] A1
[51] **Int.Cl. B60K 17/28 (2006.01)**
[25] EN
[54] **A POWER TAKE-OFF (PTO) CONNECTION MECHANISM FOR MID MOUNTED TOOLS OF A UTILITY VEHICLE**
[54] **MECANISME DE CONNEXION DE PRISE DE FORCE POUR DES OUTILS A FIXATION LATERALE D'UN VEHICULE UTILITAIRE**
[72] RANGARAJAN, SUNDARARAJAN, IN
[72] SANDBERG, SAMU, FI
[72] RYYPPO, JUHO, FI
[72] RANTALA, HANNU, FI
[71] MAHINDRA AND MAHINDRA LIMITED, IN
[22] 2021-09-24
[41] 2023-02-02
[30] IN (202141034723) 2021-08-02

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[21] **3,131,837**
[13] A1
[51] **Int.Cl. A01D 34/64 (2006.01)**
[25] EN
[54] **A MOUNTING MECHANISM TO ENABLE HITCHING A TOOL WITH THE FRAME OF A UTILITY VEHICLE**
[54] **MECANISME DE MONTAGE POUR PERMETTRE L'ATTELAGE D'UN OUTIL AU CHASSIS D'UN VEHICULE UTILITAIRE**
[72] RANGARAJAN, SUNDARARAJAN, IN
[72] SANDBERG, SAMU, FI
[72] RYYPPO, JUHO, FI
[72] RANTALA, HANNU, FI
[71] MAHINDRA AND MAHINDRA LIMITED, IN
[22] 2021-09-24
[41] 2023-02-02
[30] IN (202141034721) 2021-08-02

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[21] **3,137,660**
[13] A1
[51] **Int.Cl. A47G 33/10 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **TREETOP SUPPORT**
[54] **SUPPORT DE CIME**
[72] ZHAO, HONGHUA, CN
[71] NINGBO TREE NEST INTERNATIONAL TRADING CO., LTD., CN
[22] 2021-11-09
[41] 2023-01-30
[30] CN (202121769010.3) 2021-07-30

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[21] **3,138,790**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06F 40/279 (2020.01) G06F 40/30 (2020.01) B44D 2/00 (2006.01) G06T 11/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR AUTOMATICALLY CREATING CARTOON IMAGE BASED ON INPUT SENTENCE**
[54] **DISPOSITIF ET METHODE DE CREATION AUTOMATIQUE D'IMAGE DE DESSIN HUMORISTIQUE EN FONCTION D'UNE PHRASE SAISIE**
[72] LEE, HO YOUNG, KR
[72] KIM, GYU CHEOL, KR
[72] CHOI, HO SOP, KR
[71] TOONSQUARE CORP., KR
[22] 2021-11-12
[41] 2023-01-29
[30] KR (KR10-2021-0099674) 2021-07-29

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[21] **3,144,849**
[13] A1
[51] **Int.Cl. B60L 15/00 (2006.01) B60L 15/02 (2006.01)**
[25] EN
[54] **DUAL INVERTER WITH COMMON CONTROL**
[54] **INVERSEUR DOUBLE A COMMANDE CENTRALE**
[72] SCHULZ, STEVEN E., US
[72] KOWALEWSKI, DANIEL L., US
[72] HITI, SILVA, US
[72] TANG, DAVID, US
[72] DOO, YOUNG, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-01-05
[41] 2023-01-29
[30] US (17/388913) 2021-07-29

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[21] **3,145,406**
[13] A1
[51] **Int.Cl. B60L 15/00 (2006.01) B60L 50/51 (2019.01) B60K 1/02 (2006.01)**
[25] EN
[54] **DRIVE UNIT FOR ELECTRIC VEHICLE**
[54] **UNITE D'ENTRAINEMENT POUR VEHICULE ELECTRIQUE**
[72] DOO, YOUNG, US
[72] SCHULZ, STEVEN, US
[72] HITI, SILVA, US
[72] HUANG, HENRY, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-01-11
[41] 2023-01-29
[30] US (17,388988) 2021-07-29

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[21] **3,145,874**
[13] A1
[51] **Int.Cl. B60L 15/00 (2006.01) B60L 50/60 (2019.01)**
[25] EN
[54] **TORQUE-EQUALIZING FAULT RESPONSE FOR ELECTRIC VEHICLE**
[54] **REPONSE DE STABILISATION DE COUPLE EN CASE DE DEFAILLANCE POUR VEHICULE ELECTRIQUE**
[72] BREESE, RICHARD M., US
[72] HARRIES, BRIAN N., US
[72] HITI, SILVA, US
[72] KOWALEWSKI, DANIEL L., US
[72] SCHULZ, STEVEN E., US
[72] TANG, DAVID, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-01-17
[41] 2023-01-29
[30] US (17/389058) 2021-07-29

[21] **3,146,149**
[13] A1
[51] **Int.Cl. A63F 13/90 (2014.01) A63F 13/25 (2014.01) A63F 13/28 (2014.01) A63F 13/50 (2014.01) A63F 13/825 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMMERSIVE EFFECTS FOR PLUG AND PLAY VIRTUAL REALITY**
[54] **SYSTEME ET METHODE D'EFFETS IMMERSIFS POUR LA REALITE VIRTUELLE A INSTALLATION RAPIDE**
[72] DUKE, ADRIAN, CA
[72] FISHER, LANCE, CA
[72] PRADO, DANIEL, CA
[71] FANTASY 360 TECHNOLOGIES INC., CA
[22] 2022-01-19
[41] 2023-01-30
[30] US (63/228,007) 2021-07-30

[21] **3,146,150**
[13] A1
[51] **Int.Cl. A63F 13/90 (2014.01) A63F 13/25 (2014.01) A63F 13/28 (2014.01) A63F 13/50 (2014.01) A63F 13/825 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PLUG AND PLAY VIRTUAL REALITY**
[54] **SYSTEME ET METHODE DE REALITE VIRTUELLE A INSTALLATION RAPIDE**
[72] DUKE, ADRIAN, CA
[72] FISHER, LANCE, CA
[72] PRADO, DANIEL, CA
[71] FANTASY 360 TECHNOLOGIES INC., CA
[22] 2022-01-19
[41] 2023-01-30
[30] US (63/228,004) 2021-07-30

[21] **3,152,240**
[13] A1
[51] **Int.Cl. B23G 1/46 (2006.01)**
[25] FR
[54] **MACHINING TOOL SPECIALLY DESIGNED TO MINIMIZE THE RISK OF WORKPLACE ACCIDENTS ARISING FROM THE USE OF HEXAGONAL DIES TOOLS**
[54] **OUTIL D'USINAGE SPECIALEMENT CONCU POUR REDUIRE LES RISQUES D'ACCIDENT AU TRAVAIL DANS L'UTILISATION D'OUTILS DE FILETAGE HEXAGONAL ("HEXAGONAL DIES TOOL")**
[72] JULIEN, SYLVAIN, CA
[71] JES-TECH, CA
[22] 2022-05-03
[41] 2023-02-03

[21] **3,156,087**
[13] A1
[51] **Int.Cl. G01S 19/45 (2010.01) G01S 19/44 (2010.01)**
[25] EN
[54] **3D LIDAR AIDED GLOBAL NAVIGATION SATELLITE SYSTEM AND THE METHOD FOR NON-LINE-OF-SIGHT DETECTION AND CORRECTION**
[54] **SYSTEME MONDIAL DE NAVIGATION PAR SATELLITES ASSISTE PAR LIDAR 3D ET METHODE DE DETECTION ET CORRECTION NON EN VISIBILITE DIRECTE**
[72] HSU, LI-TA, CN
[72] WEN, WEISONG, CN
[71] THE HONG KONG POLYTECHNIC UNIVERSITY, CN
[22] 2022-04-14
[41] 2023-01-30
[30] US (63/203,760) 2021-07-30

[21] **3,157,676**
[13] A1
[51] **Int.Cl. A62C 3/00 (2006.01) A62C 35/58 (2006.01) B65G 11/20 (2006.01) E04F 17/12 (2006.01)**
[25] EN
[54] **SPRINKLER SYSTEM FOR A MATERIALS DISPOSAL CHUTE AND A METHOD OF USING THE SAME**
[54] **SYSTEME D'EXTINCTION AUTOMATIQUE POUR GOULOTTE D'EVACUATION DE MATERIAUX ET METHODE D'UTILISATION**
[72] BOUSTANI, HADI CAMILLE, US
[72] WOOD, RICHARD ALLEN, US
[71] CHAZEM MANUFACTURING, LLC, US
[22] 2022-04-28
[41] 2023-02-02
[30] US (17/444,198) 2021-08-02

[21] **3,157,845**
[13] A1
[51] **Int.Cl. B01F 35/71 (2022.01) B01F 23/231 (2022.01) B01F 25/00 (2022.01) C02F 1/74 (2006.01) C02F 3/02 (2006.01) C02F 3/20 (2006.01)**
[25] EN
[54] **WASTEWATER AERATOR/DIGESTERS**
[54] **AERATEUR/LESSIVEURS D'EAUX USEES**
[72] TITUS, LEWIS, US
[71] TITUS INDUSTRIAL GROUP, INC., US
[22] 2022-05-06
[41] 2023-01-30
[30] US (17/444,100) 2021-07-30

[21] **3,159,641**
[13] A1
[51] **Int.Cl. H04L 51/21 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MESSAGE MAPPING TO HANDLE TEMPLATE CHANGES**
[54] **METHODE ET SYSTEME DE FORMATAGE DES MESSAGES POUR TRAITER LES CHANGEMENTS DE MODELE**
[72] FICHUK, DEXTER, CA
[72] OLSSON, VERA, CA
[72] VLASENKO, ANTON, CA
[71] SHOPIFY INC., CA
[22] 2022-05-19
[41] 2023-01-30
[30] US (17/390,162) 2021-07-30
[30] EP (22173112.8) 2022-05-12

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[21] **3,159,926**
[13] A1
[51] **Int.Cl. B62D 33/06 (2006.01)**
[25] EN
[54] **CABIN SUSPENSION SYSTEM**
[54] **SYSTEME DE SUSPENSION DE CABINE**
[72] VALKAMA, PEETU, DE
[71] DEERE & COMPANY, US
[22] 2022-05-20
[41] 2023-01-30
[30] EP (21188696.5) 2021-07-30

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[21] **3,160,507**
[13] A1
[51] **Int.Cl. F24C 15/20 (2006.01)**
[25] EN
[54] **RANGE HOOD VENTILATION SYSTEM AND CONTROL THEREFOR**
[54] **SYSTEME DE VENTILATION DE HOTTE DE CUISINE ET COMMANDE CONNEXE**
[72] ASMUS, JASON, US
[72] EGBERS, ELIZABETH, US
[72] SINUR, RICHARD R., US
[71] BROAN-NUTONE LLC, US
[22] 2022-05-26
[41] 2023-01-30
[30] US (63/227,612) 2021-07-30
[30] US (17/749,246) 2022-05-20

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[21] **3,160,863**
[13] A1
[51] **Int.Cl. E04C 1/00 (2006.01)**
[25] EN
[54] **INTERLOCKING CONSTRUCTION BLOCKS**
[54] **BLOCS DE CONSTRUCTION A EMBOITEMENT**
[72] BOOT, DANIEL ANTHONY LEONARD, CA
[72] AL-SAMARAEE, MUAYAD S. DAWOOD, TR
[71] SAMARAEE & DANIEL INNOVATION SPECIALISTS INCORPORATED, CA
[22] 2022-05-27
[41] 2023-02-03

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[21] **3,162,042**
[13] A1
[51] **Int.Cl. B61C 17/12 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE COMMANDE DE VEHICULE**
[72] WOO, DEREK K., US
[72] BROOKS, JAMES D., US
[72] SIVASUBRAMANIAM, MANTHRAM, US
[72] BHAT, SANKETH, US
[72] MODI, SAHIL, US
[72] BARVE, JAYESHKUMAR, JAYANARAYAN, US
[71] TRANSPORTATION IP HOLDINGS, LLC, US
[22] 2022-06-08
[41] 2023-01-29
[30] US (17/389,097) 2021-07-29

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[21] **3,162,161**
[13] A1
[51] **Int.Cl. B61H 13/00 (2006.01) B61C 17/12 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE COMMANDE DE VEHICULE**
[72] WOO, DEREK K., US
[72] STATON, BRIAN LEE, US
[72] ENSIGN, JASON, US
[72] FRANCO, ADAM, US
[72] TETTERTON, MARSHALL, US
[72] BHAT, SANKETH, US
[72] MODI, SAHIL, US
[72] SIVASUBRAMANIAM, MANTHRAM, US
[72] BARVE, JAYESHKUMAR JAYANARAYAN, US
[71] TRANSPORTATION IP HOLDINGS, LLC, US
[22] 2022-06-09
[41] 2023-01-29
[30] US (17/389,139) 2021-07-29

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[21] **3,162,167**
[13] A1
[51] **Int.Cl. B60T 8/17 (2006.01)**
[25] EN
[54] **VEHICLE BRAKING CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DU FREINAGE D'UN VEHICULE**
[72] PRICE, MATTHEW, US
[72] CHANDRASEKARAN, SHANKAR, US
[72] MURUGESAN, RAJASEKARAN, US
[71] TRANSPORTATION IP HOLDINGS, LLC, US
[22] 2022-06-09
[41] 2023-02-03
[30] US (63/229,029) 2021-08-03
[30] US (17/507,464) 2021-10-21

[21] **3,163,005**
[13] A1
[51] **Int.Cl. H04N 23/60 (2023.01) H04N 23/68 (2023.01)**
[25] EN
[54] **VERTEX CHANGE DETECTION FOR ENHANCED DOCUMENT CAPTURE**
[54] **DETECTION DE CHANGEMENT DE VERTEX POUR UNE MEILLEURE CAPTURE DE DOCUMENTS**
[72] HALL, JASON,, US
[71] INTUIT INC., US
[22] 2022-06-16
[41] 2023-02-02
[30] US (17/391,179) 2021-08-02

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[21] **3,164,844**
[13] A1
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 9/451 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR REMOTE CONFIGURATION OF SOFTWARE APPLICATIONS**
[54] **METHODES ET SYSTEMES POUR LA CONFIGURATION A DISTANCE D'APPLICATIONS LOGICIELLES**
[72] KATTIMANI, MURALIDHAR, US
[72] SYED, WASEEM AKRAM, US
[72] SETHI, PINKESH, IN
[71] INTUIT INC., US
[22] 2022-06-22
[41] 2023-02-03
[30] US (17/392,465) 2021-08-03

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[21] **3,165,871**
[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **WORK MACHINES INCORPORATING FERTILIZER OPENER ASSEMBLIES, FERTILIZER OPENER ASSEMBLIES THEREFOR, AND METHODS OF OPERATING WORK MACHINES**
[54] **MACHINES DE TRAVAIL INTEGRANT DES MECANISMES D'OUVERTURE POUR ENGRAIS, MECANISMES D'OUVERTURE POUR ENGRAIS CONNEXES ET METHODES D'EXPLOITATION DES MACHINES DE TRAVAIL**
[72] KINNEY, COLTER, W., US
[72] SOTO, CARLOS, ALBERTO, US
[72] WACKERLE, BRADLEY, A., US
[72] MARO, RANDALL, A., US
[71] DEERE & COMPANY, US
[22] 2022-06-28
[41] 2023-01-29
[30] US (17/388,194) 2021-07-29

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[21] **3,166,537**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR PERSISTENT COMMUNICATIONS BETWEEN CLIENT APPLICATIONS AND APPLICATION SERVERS**
[54] **METHODES ET SYSTEMES DE COMMUNICATION PERSISTANTE ENTRE LES APPLICATIONS CLIENT ET LES SERVEURS D'APPLICATIONS**
[72] PATIL, NIKITA, US
[72] SYED, WASEEM AKRAM, US
[72] KATTIMANI, MURALIDHAR, US
[71] INTUIT INC., US
[22] 2022-06-28
[41] 2023-01-30
[30] US (17/389,672) 2021-07-30

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[21] **3,166,848**
[13] A1
[51] **Int.Cl. E03D 13/00 (2006.01) A47K 17/00 (2006.01)**
[25] EN
[54] **COVER SYSTEM WITH COVER AND FASTENER, AND COVER FOR SUCH COVER SYSTEM**
[54] **SYSTEME DE COUVERCLE COMPRENANT UN COUVERCLE ET UNE ATTACHE, ET COUVERCLE POUR UN TEL SYSTEME DE COUVERCLE**
[72] MARCU, KLAUS, DE
[71] MARCU, KLAUS, DE
[22] 2022-07-06
[41] 2023-01-29
[30] DE (DE 102021119701.5) 2021-07-29
[30] DE (DE 102021129146.1) 2021-11-09

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[21] **3,167,140**
[13] A1
[51] **Int.Cl. H04L 51/21 (2022.01) H04L 67/50 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MESSAGE RESPECIATION**
[54] **METHODE ET SYSTEME DE RESPECIATION DE MESSAGE**
[72] FICHUK, DEXTER, CA
[71] SHOPIFY INC., CA
[22] 2022-07-07
[41] 2023-01-30
[30] US (17/390,162) 2021-07-30
[30] US (17/733,782) 2022-04-29

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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64D 45/00 (2006.01) B64F 5/00 (2017.01) F01D 21/14 (2006.01) G01M 15/00 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING LIFE LIMIT OF ENGINE COMPONENTS**
[54] **SYSTEME ET METHODE POUR SURVEILLER LA LIMITE DE VIE DES COMPOSANTS DE MOTEUR**
[72] MCCARTHY, SEAN, CA
[72] GHATTAS, ANDREW, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-11
[41] 2023-02-04
[30] US (17/393,515) 2021-08-04

[21] **3,167,298**
[13] A1
[51] **Int.Cl. G01R 29/027 (2006.01) H04W 12/79 (2021.01) G01S 3/14 (2006.01) G01S 11/02 (2010.01)**
[25] EN
[54] **ELECTRONIC CIRCUIT FOR DETECTING AN ULTRA-WIDEBAND PULSE**
[54] **CIRCUIT ELECTRONIQUE POUR DETECTER UNE IMPULSION DE BANDE ULTRA-LARGE**
[72] BINGESSER, MARKUS, CH
[72] PLUSS, PETER, CH
[71] LEGIC IDENTSYSTEMS AG, CH
[22] 2022-07-11
[41] 2023-01-29
[30] CH (0701122021) 2021-07-29

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[21] **3,167,534**
[13] A1
[25] EN
[54] **COMMUNICATION PLATFORM SERVER INTEGRATION**
[54] **INTEGRATION DE SERVEUR DE PLATEFORME DE COMMUNICATION**
[72] LEE, CALVIN JUN-GONG, US
[72] LANGER, ARIEL PETREN, US
[72] CHARLES, GEOFFREY JACQUES, US
[72] KONG, TAE KYUNG, US
[72] WADAWADIGI, AKASH, US
[71] RAMP BUSINESS CORPORATION, US
[22] 2022-07-13
[41] 2023-01-30
[30] US (17/390705) 2021-07-30

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[21] **3,167,667**
[13] A1
[51] **Int.Cl. B62D 21/15 (2006.01) B60R 19/00 (2006.01)**
[25] EN
[54] **VEHICLE FRAME WITH INTEGRAL IMPACT MITIGATION FEATURES**
[54] **CHASSIS DE VEHICULE COMPRENANT DES CARACTERISTIQUES INTEGREES D'ATTENUATION DE CHOCS**
[72] BARRIOS-ALBERT, JORGE GUILLERMO, US
[72] PULUGURTHA, VAMSI CHARAN, US
[72] GANAPATHY, MUKUND, US
[71] RIVIAN IP HOLDINGS, LLC, US
[22] 2022-07-14
[41] 2023-01-29
[30] US (63/226894) 2021-07-29

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[21] **3,168,023**
[13] A1
[51] **Int.Cl. G01M 11/02 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CHARACTERISTICS MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DES CARACTERISTIQUES DE FIBRE OPTIQUE**
[72] KUMAGAI, YOSHIHIRO, JP
[71] YOKOGAWA ELECTRIC CORPORATION, JP
[22] 2022-07-18
[41] 2023-01-29
[30] JP (2021-124277) 2021-07-29

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[21] **3,168,061**
[13] A1
[51] **Int.Cl. F02C 7/36 (2006.01) B64D 31/00 (2006.01) B64D 35/00 (2006.01) F02C 7/32 (2006.01) F02C 9/42 (2006.01)**
[25] EN
[54] **MULTI-ENGINE SYSTEM AND POWER TRANSFER BETWEEN ENGINES THEREOF**
[54] **SYSTEME MULTIMOTEUR ET TRANSFERT DE PUISSANCE ENTRE LES MOTEURS**
[72] COUTU, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-15
[41] 2023-01-30
[30] US (17/390,205) 2021-07-30

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[21] **3,168,118**
[13] A1
[51] **Int.Cl. A01K 77/00 (2006.01) A45F 5/02 (2006.01)**
[25] EN
[54] **FISHING ACCESSORY SECUREMENT SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE FIXATION D'ACCESSOIRE DE PECHE ET METHODES CONNEXES**
[72] BISHOP, WILLIAM P., US
[71] BISHOP, WILLIAM P., US
[22] 2022-07-18
[41] 2023-01-29
[30] US (63/203,717) 2021-07-29
[30] US (17/703,756) 2022-03-24

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[21] **3,168,157**
[13] A1
[51] **Int.Cl. F21V 21/02 (2006.01) F21S 2/00 (2016.01)**
[25] EN
[54] **LUMINAIRE STRUCTURES**
[54] **STRUCTURES LUMINAIRES**
[72] YAPHE, HOWARD, CA
[72] BELAND, STEPHANE, CA
[72] MILES, ANDREW, CA
[71] AXIS LIGHTING INC., CA
[22] 2022-07-19
[41] 2023-02-02
[30] US (17/391,921) 2021-08-02

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[21] **3,168,258**
[13] A1
[51] **Int.Cl. G06F 40/205 (2020.01) G06F 40/279 (2020.01) G06F 3/048 (2013.01) G06N 3/02 (2006.01)**
[25] EN
[54] **USER INTERFACE FOR RECURRING TRANSACTION MANAGEMENT**
[54] **INTERFACE UTILISATEUR POUR LA GESTION DE TRANSACTIONS RECURRENTES**
[72] GOLDFIELD, ORI EPHRAIM, US
[72] LEE, CALVIN JUN-GONG, US
[72] CHARLES, GEOFFREY JACQUES, US
[72] LANGER, ARIEL PETREN, US
[72] BARRIOS, DIEGO D ZAKS, US
[71] RAMP BUSINESS CORPORATION, US
[22] 2022-07-19
[41] 2023-01-30
[30] US (17/390701) 2021-07-30

[21] **3,168,272**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01) B65D 65/46 (2006.01) B65D 77/22 (2006.01)**
[25] EN
[54] **REINFORCEMENT RING FOR CAPSULES FOR OBTAINING BEVERAGES**
[54] **BAGUE DE RENFORCEMENT POUR DES CAPSULES POUR OBTENIR DES BREUVAGES**
[72] RAPPARINI, GINO, IT
[72] GENERALI, MAURIZIO, IT
[71] AROMA SYSTEM SRL, IT
[22] 2022-07-19
[41] 2023-01-29
[30] IT (102021000020315) 2021-07-29

[21] **3,168,275**
[13] A1
[51] **Int.Cl. F23R 3/04 (2006.01)**
[25] EN
[54] **COMBUSTOR WITH DILUTION HOLES**
[54] **CHAMBRE DE COMBUSTION AVEC TROUS DE DILUTION**
[72] HU, TIN-CHEUNG JOHN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-18
[41] 2023-02-03
[30] US (17/392,884) 2021-08-03

[21] **3,168,283**
[13] A1
[51] **Int.Cl. F23R 3/04 (2006.01)**
[25] EN
[54] **COMBUSTOR WITH DILUTION HOLES**
[54] **CHAMBRE DE COMBUSTION AVEC TROUS DE DILUTION**
[72] HU, TIN-CHEUNG JOHN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-18
[41] 2023-02-03
[30] US (17/392,884) 2021-08-03

[21] **3,168,420**
[13] A1
[51] **Int.Cl. A22C 21/00 (2006.01) A22C 17/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROCESSING A CARCASS-PART OF SLAUGHTERED POULTRY**
[54] **METHODE ET DISPOSITIF DE TRANSFORMATION D'UNE PARTIE DE CARCASSE DE VOLAILLES ABATTUES**
[72] DE VOS, FERDINAND ALLARD, NL
[72] KOOPMAN, MICHAEL GEORGE LAURENTIUS, NL
[72] VERHAGEN, MARCEL, NL
[72] VONK, PIETER WILLEM, NL
[72] WIJTTEN, JEROEN HERMANUS, NL
[71] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL
[22] 2022-07-20
[41] 2023-02-03
[30] NL (2028907) 2021-08-03

[21] **3,168,429**
[13] A1
[51] **Int.Cl. F02C 6/08 (2006.01) F02C 9/18 (2006.01) F16K 24/04 (2006.01) F16K 31/12 (2006.01) F16L 55/07 (2006.01) F16L 55/09 (2006.01) F16L 55/24 (2006.01)**
[25] EN
[54] **ORIFICE PACK FOR COMPRESSOR BLEED VALVE**
[54] **BOUCHE D'ORIFICE POUR VANNE DE DECHARGE COMPRESSEUR**
[72] DOBSON, MARTIN, CA
[72] ISKRA, OLEG, CA
[72] FRYER, MICHAEL, CA
[72] LAVOIE, MARC, CA
[72] SIDOROVICH PARADISO, IVAN, CA
[72] DURANLEAU-HENDRICKX, LOUIS, CA
[72] DI FLORIO, DOMENICO, CA
[72] URAC, TIBOR, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-21
[41] 2023-01-30
[30] US (17/389,450) 2021-07-30

[21] **3,168,601**
[13] A1
[51] **Int.Cl. G01D 18/00 (2006.01) G01R 29/22 (2006.01) G01F 25/10 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRANSDUCER VALIDATION**
[54] **METHODE ET SYSTEME DE VALIDATION DES TRANSDUCTEURS**
[72] STATOM, DREW, US
[72] MATAM, MAHESH, US
[71] NEPTUNE TECHNOLOGY GROUP INC., US
[22] 2022-07-22
[41] 2023-01-30
[30] US (63/227,457) 2021-07-30

[21] **3,168,734**
[13] A1
[51] **Int.Cl. A45F 3/04 (2006.01) A45C 3/00 (2006.01) A45C 13/02 (2006.01) B65D 85/18 (2006.01)**
[25] EN
[54] **MODULAR BAG SYSTEM**
[54] **SYSTEME DE SAC MODULAIRE**
[72] BADIA, ALEJANDRA, CA
[71] BADIA, ALEJANDRA, CA
[22] 2022-07-25
[41] 2023-01-29
[30] US (17/388,075) 2021-07-29

[21] **3,168,869**
[13] A1
[51] **Int.Cl. F04C 14/08 (2006.01) F04C 2/324 (2006.01) F04D 13/06 (2006.01) F04D 15/00 (2006.01)**
[25] EN
[54] **FLUID TRANSFER PUMP**
[54] **POMPE POUR TRANSFERT DE FLUIDE**
[72] JIABIN, HUANG, CN
[72] XIJUN, JIANG, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-07-22
[41] 2023-02-02
[30] CN (202121777240.4) 2021-08-02

[21] **3,168,870**
[13] A1
[25] EN
[54] **AUTOMATED PAUSING OF AUDIO AND/OR VIDEO DURING A CONFERENCING SESSION**
[54] **PAUSE AUTOMATIQUE DU SON ET/OU DE L'IMAGE PENDANT UNE CONFERENCE**
[72] BRAGANZA, JONATHAN, CA
[72] LEE, KEVIN, CA
[71] MITEL NETWORKS CORPORATION, CA
[22] 2022-07-22
[41] 2023-02-04
[30] US (17/394000) 2021-08-04

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[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) B60W 60/00 (2020.01) B60P 3/11 (2006.01) B64F 1/00 (2006.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **DRONE ROUTING COMBINING AUTONOMOUS FLIGHT AND ASSIST VEHICLE TRAVEL**
[54] **ROUTAGE DE DRONES COMBINANT LE VOL EN MODE AUTONOME ET LE DEPLACEMENT DE VEHICULES D'ASSISTANCE**
[72] WILKINSON, STUART, CA
[72] EHASOO, RONAN, CA
[71] WILKINSON, STUART, CA
[71] EHASOO, RONAN, CA
[22] 2022-07-31
[41] 2023-01-30
[30] US (63227691) 2021-07-30
[30] US (63351348) 2022-06-11

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[21] **3,168,955**
[13] A1
[51] **Int.Cl. F01D 25/30 (2006.01) F01D 9/02 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **NARROW, HIGH PERFORMANCE COLLECTOR DESIGN**
[54] **CONCEPTION DE COLLECTEUR ETROIT A HAUTE PERFORMANCE**
[72] SIOREK, MICHAL P., US
[72] HU, GUSHENG, US
[71] SOLAR TURBINES INCORPORATED, US
[22] 2022-07-22
[41] 2023-01-29
[30] US (17/388,438) 2021-07-29

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[21] **3,168,958**
[13] A1
[51] **Int.Cl. F16L 37/23 (2006.01) F16L 37/40 (2006.01)**
[25] FR
[54] **MALE ELEMENT OF FLUID CONNECTOR AND FLUID CONNECTOR COMPRISING SUCH A MALE ELEMENT**
[54] **ELEMENT MALE DE RACCORD FLUIDIQUE ET RACCORD FLUIDIQUE COMPRENANT UN TEL ELEMENT MALE**
[72] DURIEUX, CHRISTOPHE, FR
[72] MOREL, FREDERIC, FR
[72] MILLE, FLORIAN, FR
[71] STAUBLI FAVERGES, FR
[22] 2022-07-26
[41] 2023-01-29
[30] FR (FR 2108260) 2021-07-29

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[21] **3,168,960**
[13] A1
[51] **Int.Cl. C07F 17/02 (2006.01) B01D 61/42 (2006.01) C02F 1/469 (2006.01)**
[25] EN
[54] **REDOX-ACTIVE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES A ACTIVITE REDOX ET UTILISATIONS CONNEXES**
[72] BEH, EUGENE S., US
[71] PALO ALTO RESEARCH CENTER INCORPORATED, US
[22] 2022-07-22
[41] 2023-01-30
[30] US (17/390600) 2021-07-30

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[21] **3,168,967**
[13] A1
[51] **Int.Cl. C10M 163/00 (2006.01) C10M 133/16 (2006.01) C10M 135/18 (2006.01) C10M 137/10 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **ENGINE OIL FORMULATIONS FOR LOW TIMING CHAIN STRETCH**
[54] **FORMULATIONS D'HUILE MOTEUR POUR UN FAIBLE ALLONGEMENT DE CHAINE DE DISTRIBUTION**
[72] GARELICK, KEN, US
[72] SCHMID, LESLIE, US
[72] ENGELMAN, KRISTI, US
[71] AFTON CHEMICAL CORPORATION, US
[22] 2022-07-22
[41] 2023-01-31
[30] US (17/390,867) 2021-07-31

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[21] **3,169,147**
[13] A1
[51] **Int.Cl. B25B 13/06 (2006.01)**
[25] EN
[54] **ANTI-BACKLASH RETENTION SOCKET**
[54] **DOUILLE DE RETENUE ANTI-JEU**
[72] GUPTE, ANUP A., US
[71] SNAP-ON INCORPORATED, US
[22] 2022-07-27
[41] 2023-02-02
[30] US (17/391,191) 2021-08-02

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[21] **3,169,173**
[13] A1
[51] **Int.Cl. F23J 11/02 (2006.01)**
[25] EN
[54] **VEHICLE EXHAUST EVACUATION SYSTEM**
[54] **SYSTEME D'EVACUATION DES GAZ D'ECHAPPEMENT DES VEHICULES**
[72] MILLER, PAUL E., US
[71] ROSSMAN ENTERPRISES, INC., US
[22] 2022-07-28
[41] 2023-02-02
[30] US (17/391,501) 2021-08-02

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[21] **3,169,177**
[13] A1
[51] **Int.Cl. B25B 25/00 (2006.01) B21F 15/04 (2006.01) B65B 13/02 (2006.01) B65B 13/18 (2006.01) E04C 5/18 (2006.01)**
[25] EN
[54] **BINDING MACHINE**
[54] **MACHINE A RELIER**
[72] ITAGAKI, OSAMU, JP
[71] MAX CO., LTD., JP
[22] 2022-07-27
[41] 2023-01-30
[30] JP (2021-126176) 2021-07-30

[21] **3,169,178**
[13] A1
[51] **Int.Cl. F01D 25/28 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE DISASSEMBLY/ASSEMBLY METHODS**
[54] **METHODES D'ASSEMBLAGE ET DE DESASSEMBLAGE DE TURBINE A GAZ**
[72] PORCO, CARLO S., CA
[72] HENRIKSEN, GEOFFREY, CA
[72] WEDEMIRE, JASON, CA
[72] MATHIAS, ANTHONY, CA
[72] HUNZE, MICHAEL, CA
[72] LAVOIE, LOUIS, CA
[72] PAYNTER, MARVEN, CA
[72] WILKINSON, DENNIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-07-27
[41] 2023-01-29
[30] US (17/388,865) 2021-07-29

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[13] A1
[51] **Int.Cl. G01N 11/02 (2006.01)**
[25] EN
[54] **PIPE OR PUMP CAVITATION CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DE LA CAVITATION DES TUYAUX OU DES POMPES**
[72] AHANIN, ALI, IR
[72] ESLAMI, ALIREZA, IR
[72] KARAMIFAR, REZA, IR
[72] YAZDANPANAH, AMIR, IR
[72] MIRKHOSRAVI, ALI, IR
[71] AHANIN, ALI, IR
[71] ESLAMI, ALIREZA, IR
[71] KARAMIFAR, REZA, IR
[71] YAZDANPANAH, AMIR, IR
[71] MIRKHOSRAVI, ALI, IR
[22] 2022-07-27
[41] 2023-02-02
[30] US (63/228,302) 2021-08-02

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[13] A1
[51] **Int.Cl. G16H 20/00 (2018.01) G16H 30/40 (2018.01) G16H 40/67 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **SKIN HEALTH TRACKING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE SUIVI DE LA SANTE DERMATOLOGIQUE**
[72] NASSIRI, HAMID REZA, CA
[72] SEPEHRARA, MOHAMMADREZA, CA
[72] SEPEHRARA, MARZIE, CA
[71] NASSIRI, HAMID REZA, CA
[71] SEPEHRARA, MOHAMMADREZA, CA
[71] SEPEHRARA, MARZIE, CA
[22] 2022-07-27
[41] 2023-02-02
[30] US (63/228,288) 2021-08-02

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[13] A1
[51] **Int.Cl. G06F 17/10 (2006.01) G06N 20/00 (2019.01) G06N 3/09 (2023.01) G06N 3/02 (2006.01)**
[25] EN
[54] **EXPLAINABLE ARTIFICIAL INTELLIGENCE FROM MODAL INTERVAL ANALYSIS SOLUTIONS**
[54] **INTELLIGENCE ARTIFICIELLE EXPLICABLE DE SOLUTIONS D'ANALYSE D'INTERVALLES MODALE**
[72] HAYES, NATHAN, US
[71] MODAL TECHNOLOGY CORPORATION, US
[22] 2022-07-28
[41] 2023-01-29
[30] US (63/226,793) 2021-07-29

[21] **3,169,189**
[13] A1
[25] EN
[54] **TELECOMMUNICATIONS ENCLOSURE**
[54] **ENCEINTE DE TELECOMMUNICATIONS**
[72] FRAMPTON, SIMON JAMES, GB
[72] PADDICK, NATHAN, GB
[71] PRYSMIAN S.P.A., IT
[22] 2022-07-29
[41] 2023-02-04
[30] IT (102021000021098) 2021-08-04

[21] **3,169,193**
[13] A1
[25] EN
[54] **TELECOMMINUCATIONS ENCLOSURE**
[54] **ENCEINTE DE TELECOMMUNICATIONS**
[72] PADDICK, NATHAN, GB
[72] BARNES, ANDREW, GB
[71] PRYSMIAN S.P.A., IT
[22] 2022-07-29
[41] 2023-02-04
[30] IT (102021000021113) 2021-08-04

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[13] A1
[51] **Int.Cl. F27D 13/00 (2006.01) B01F 23/10 (2022.01) B01F 25/30 (2022.01) C22B 1/00 (2006.01) C22B 7/00 (2006.01) F26B 21/14 (2006.01) F27D 17/00 (2006.01)**
[25] EN
[54] **SCRAP DRYER AND/OR SCRAP PREHEATER**
[54] **SECHOIR A FERRAILLE ET/OU PRECHAUFFEUR DE FERRAILLE**
[72] KRAUSA, STEFFEN, US
[72] ZEISLER, WILLIAM TODD, US
[72] DEBSKI, PAUL, US
[72] ODENTHAL, HANS-JURGEN, DE
[72] STARKE, PETER, DE
[72] COOK, RICHARD, US
[72] KALTENBACH, MICHAEL J., US
[71] SMS GROUP GMBH, DE
[22] 2022-07-29
[41] 2023-01-30
[30] US (63/227,425) 2021-07-30
[30] US (17/814,916) 2022-07-26

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[13] A1
[51] **Int.Cl. F17C 13/04 (2006.01) F16K 11/22 (2006.01) F16K 17/06 (2006.01) F16K 35/00 (2006.01)**
[25] EN
[54] **VALVE WITH INTEGRATED PRESSURE REGULATOR**
[54] **VANNE AVEC REGULATEUR DE PRESSION INTEGRE**
[72] PEZZO, IVAN P., IT
[72] ARZENTON, MARCO, IT
[72] BENDAZZOLI, SILVANO M., IT
[72] TRAVAGLIATI, LUCIA, IT
[71] LINCOLN GLOBAL, INC., US
[22] 2022-07-29
[41] 2023-02-04
[30] US (63/229,087) 2021-08-04
[30] US (17/874,411) 2022-07-27

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[13] A1
[51] **Int.Cl. G06Q 10/0631 (2023.01)**
[25] EN
[54] **FLEET ASSIGNMENT BASED ON AN AIRCRAFT AVAILABILITY METRIC**
[54] **AFFECTATION DE FLOTTE BASEE SUR UNE MESURE DE DISPONIBILITE DES AERONEFS**
[72] WANG, ZHENNONG, US
[71] THE BOEING COMPANY, US
[22] 2022-07-29
[41] 2023-02-04
[30] US (17/444436) 2021-08-04

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[51] **Int.Cl. G10L 15/22 (2006.01) G01J 5/00 (2022.01) G01S 3/14 (2006.01) G01S 5/18 (2006.01)**
[25] EN
[54] **ACCIDENTAL VOICE TRIGGER AVOIDANCE USING THERMAL DATA**
[54] **EVITEMENT DU DECLENCHEMENT ACCIDENTEL DE COMMANDES VOCALES AU MOYEN DE DONNEES THERMIQUES**
[72] NARAYANAN, GANESH, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-07-29
[41] 2023-01-29
[30] US (17/388,673) 2021-07-29

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[21] **3,169,205**
[13] A1
[25] EN
[54] **SIGN FRAME SYSTEM**
[54] **SYSTEME DE CADRE DE PANNEAU**
[72] LIU, HONGWEI, US
[71] WICKET AND SIGNS LLC, US
[22] 2022-07-29
[41] 2023-01-31
[30] US (63/228,059) 2021-07-31

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[21] **3,169,226**
[13] A1
[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DRYING COMPRESSED GAS**
[54] **DISPOSITIF ET METHODE DE SECHAGE DE GAZ COMPRIME**
[72] HERMANS, HANS MARIA KAREL, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[22] 2022-07-28
[41] 2023-02-03
[30] BE (2021/5615) 2021-08-03

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[13] A1
[51] **Int.Cl. C09K 8/00 (2006.01) C09K 8/52 (2006.01) C09K 8/68 (2006.01) C11D 1/83 (2006.01) C11D 3/44 (2006.01)**
[25] EN
[54] **HAND SANITIZER MICROEMULSION**
[54] **MICROEMULSION DE DESINFECTANT POUR LES MAINS**
[72] WEISSENBERGER, MARKUS, CA
[72] ABDELFATAH, ELSAYED, CA
[71] SIXRING INC., CA
[22] 2022-07-28
[41] 2023-01-30
[30] CA (3,126,520) 2021-07-30

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[13] A1
[51] **Int.Cl. C12P 3/00 (2006.01) C01C 1/242 (2006.01) C05C 3/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHOD OF RECOVERING NITROGEN AND SULFUR RESOURCES THROUGH ANAEROBIC FERMENTATION**
[54] **METHODE RECUPERATION DES RESSOURCES EN AZOTE ET EN SOUFRE PAR FERMENTATION ANAEROBIQUE**
[72] LA, YEON HWA, KR
[72] KIM, TAE WAN, KR
[71] SK INNOVATION CO., LTD., KR
[22] 2022-07-27
[41] 2023-02-03
[30] KR (10-2021-0101931) 2021-08-03

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[13] A1
[25] EN
[54] **ORDER MANAGEMENT AND FULFILLMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE GESTION ET DE REMPLISSAGE DE COMMANDES**
[72] BUHLER, CHERIE, US
[72] DAVID, ROBERT S., US
[72] CLINTON, EVAN, US
[72] MEYER, JAMES, US
[72] BLANKLEY, RANDY L., JR., US
[72] LOPEZ VILLEGAS, ANGEL, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2022-07-27
[41] 2023-01-29
[30] US (63/227,074) 2021-07-29
[30] US (17/873,648) 2022-07-26

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[21] **3,169,295**
[13] A1
[25] EN
[54] **ANTENNA PANEL SWITCHING IN UPLINK TRANSMISSIONS**
[54] **COMMUTATION DE PANNEAUX D'ANTENNE DANS LES TRANSMISSIONS SENS TERRE-SATELLITE**
[72] CIRIK, ALI CAGATAY, US
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL HEJAZI, US
[72] YI, YUNJUNG, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-07-29
[41] 2023-01-30
[30] US (63/227,421) 2021-07-30

[21] **3,169,326**
[13] A1
[51] **Int.Cl. B64D 41/00 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **PASSENGER SEAT ARRANGEMENT WITH A MODULAR ENERGY SUPPLY, AND PASSENGER AIRCRAFT HAVING SUCH A SEAT ARRANGEMENT**
[54] **AGENCEMENT DE SIEGE PASSAGER COMPRENANT UNE SOURCE D'ENERGIE MODULAIRE ET AERONEF DE PASSAGERS COMPRENANT UN TEL AGENCEMENT**
[72] ZACHAEUS, MATTHIAS, DE
[71] KID-SYSTEME GMBH, DE
[22] 2022-07-27
[41] 2023-01-29
[30] EP (21188519.9) 2021-07-29

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[13] A1
[51] **Int.Cl. A01F 25/20 (2006.01) B65G 69/14 (2006.01) E04H 7/22 (2006.01)**
[25] EN
[54] **GRAIN BIN CLUMP REMOVER**
[54] **DISPOSITIF D'ELIMINATION D'AMAS DANS UNE CELLULE A GRAINS**
[72] GENGERKE, SHAWN L., US
[71] S7 IP HOLDINGS, LLC, US
[22] 2022-08-02
[41] 2023-02-02
[30] US (17/391,698) 2021-08-02

[21] **3,169,362**
[13] A1
[51] **Int.Cl. B62J 7/08 (2006.01) B62K 7/04 (2006.01)**
[25] EN
[54] **CARGO SECURING APPARATUS FOR A SCOOTER**
[54] **DISPOSITIF D'ARRIMAGE DES CHARGES POUR SCOOTER**
[72] JODHA, GUNPAL, CA
[71] JODHA, GUNPAL, CA
[22] 2022-08-01
[41] 2023-02-03
[30] US (63/203,877) 2021-08-03
[30] US (63/362,980) 2022-04-14

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[13] A1
[51] **Int.Cl. G01S 1/00 (2006.01) A61F 9/08 (2006.01) B60Q 9/00 (2006.01) G01S 1/02 (2010.01)**
[25] EN
[54] **WAYFINDING ASSISTANCE SYSTEM FOR VISUALLY-IMPAIRED PASSENGERS**
[54] **SYSTEME D'AIDE A L'ORIENTATION POUR PASSAGERS AYANT UNE DEFICIENCE VISUELLE**
[72] MCINTOSH, DARREN C., US
[71] THE BOEING COMPANY, US
[22] 2022-08-02
[41] 2023-02-03
[30] US (63/228,922) 2021-08-03

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[13] A1
[51] **Int.Cl. A01D 34/835 (2006.01) A01B 69/00 (2006.01) A01D 34/64 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01)**
[25] EN
[54] **GRASS-CUTTING ROBOT AND CONTROL METHOD THEREFOR**
[54] **ROBOT DE TONTE DE PELOUSE ET METHODE DE COMMANDE CONNEXE**
[72] LIU, HENG SHENG, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-08-02
[41] 2023-02-03
[30] CN (202110888585.5) 2021-08-03

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[13] A1
[51] **Int.Cl. B61D 49/00 (2006.01) E06B 7/16 (2006.01) E06C 7/00 (2006.01) E06C 7/18 (2006.01)**
[25] EN
[54] **SAFETY TRANSITION LADDER**
[54] **ECHELLE DE TRANSITION DE SECURITE**
[72] HANDLIN, JAMES E., US
[71] INTER-RAIL TRANSPORT, INC., US
[22] 2022-08-02
[41] 2023-02-02
[30] US (63/228,554) 2021-08-02

[21] **3,169,383**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DESCRIBING A COMPONENT IN A COMPUTER-AIDED DESIGN (CAD) ENVIRONMENT**
[54] **SYSTEME ET METHODE POUR DECRIRE UN COMPOSANT DANS UN ENVIRONNEMENT DE CONCEPTION ASSISTEE PAR ORDINATEUR (CAO)**
[72] DUPRE, FRANCOIS, CA
[72] GELINAS, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-04
[30] US (17/394,297) 2021-08-04

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[13] A1
[51] **Int.Cl. A61B 1/05 (2006.01) A61B 5/00 (2006.01) A61B 6/00 (2006.01) A61B 18/20 (2006.01)**
[25] EN
[54] **LASER-INDUCED FLASHING ALERT, CONTROL, OR COMPENSATION**
[54] **ALERTE CLIGNOTANTE, REGULATION OU COMPENSATION INDUITE PAR LASER**
[72] BUKESOV, SERGEY A., US
[72] SHELTON, KURT G., US
[72] RAO, MARIA, US
[72] BLOEM, DAVID, US
[71] GYRUS ACMI, INC. D/B/A OLYMPUS SURGICAL TECHNOLOGIES AMERICA, US
[22] 2022-08-02
[41] 2023-02-02
[30] US (63/203,848) 2021-08-02

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[13] A1
[51] **Int.Cl. F02C 9/40 (2006.01) F02C 7/22 (2006.01) F02C 9/26 (2006.01)**
[25] EN
[54] **TRANSIENT GASEOUS FUEL FLOW SCHEDULING**
[54] **ORDONNANCEMENT DU DEBIT CARBURANT GAZEUX TRANSITOIRE**
[72] MILLER, TODD, CA
[72] DILLON, THOMAS, CA
[72] MESHKINFAM, EZZAT, CA
[72] LU, XUENING, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-03
[30] US (17/393,386) 2021-08-03

[21] **3,169,390**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DESCRIBING A COMPONENT IN A COMPUTER-AIDED DESIGN (CAD) ENVIRONMENT**
[54] **SYSTEME ET METHODE POUR DECRIRE UN COMPOSANT DANS UN ENVIRONNEMENT DE CONCEPTION ASSISTEE PAR ORDINATEUR (CAO)**
[72] DUPRE, FRANCOIS, CA
[72] GELINAS, SIMON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-04
[30] US (17/394,302) 2021-08-04

[21] **3,169,391**
[13] A1
[51] **Int.Cl. F01D 25/28 (2006.01) F01D 25/24 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **CONDUIT BRACKET FOR GAS TURBINE ENGINE**
[54] **SUPPORT DE CONDUIT POUR TURBINE A GAZ**
[72] PELC, MATEUSZ, CA
[72] GIRARD, JULIEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-03
[30] US (17/392,710) 2021-08-03

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[13] A1
[51] **Int.Cl. F01D 25/28 (2006.01) F01D 9/02 (2006.01) F01D 25/24 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **DAMPING BRACKET FOR A GAS TURBINE ENGINE**
[54] **SUPPORT AMORTISSEUR POUR TURBINE A GAZ**
[72] GIRARD, JULIEN, CA
[72] PELC, MATEUSZ, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-08-02
[41] 2023-02-03
[30] US (17/392,656) 2021-08-03

[21] **3,169,413**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **REPORT GENERATING METHOD, DEVICE, ELECTRONIC EQUIPMENT, AND COMPUTER-READABLE MEDIUM**
[54] **METHODE DE GENERATION DE RAPPORTS, APPAREIL, MATERIEL ELECTRONIQUE ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] LI, ZHANGJI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-07-27
[41] 2023-01-30
[30] CN (202110870721.8) 2021-07-30

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[13] A1
[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/0202 (2016.01) H01M 8/1004 (2016.01)**
[25] EN
[54] **FUEL-CELL GAS DIFFUSION ASSEMBLY, MEMBRANE-ELECTRODE ASSEMBLY, AND ARRANGEMENT**
[54] **ENSEMBLE DE DIFFUSION GAZEUSE DANS LES PILES A COMBUSTIBLE, MODULE MEMBRANE-ELECTRODE ET AGENCEMENT**
[72] EMIG, JURGEN, DE
[72] KEMMERICH, JAN, DE
[72] CHRISTIAN QUICK, CHRISTIAN, DE
[71] CARL FREUDENBERG KG, DE
[22] 2022-08-02
[41] 2023-02-03
[30] DE (10 2021 120 110.1) 2021-08-03

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[13] A1
[51] **Int.Cl. G06F 40/30 (2020.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR APPRAISING RISK**
[54] **METHODE ET SYSTEME D'EVALUATION DU RISQUE**
[72] LI, JIAQING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-07-27
[41] 2023-01-30
[30] CN (202110872254.2) 2021-07-30

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[13] A1
[51] **Int.Cl. E03C 1/02 (2006.01) E04G 23/02 (2006.01) F16L 3/22 (2006.01)**
[25] EN
[54] **PLUMBING ROUTING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE CANALISATION DE PLOMBERIE**
[72] JAHN, PAUL, CA
[71] JAHN, PAUL, CA
[22] 2022-08-03
[41] 2023-02-04
[30] US (63/229,147) 2021-08-04

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[13] A1
[51] **Int.Cl. F24T 10/40 (2018.01) F03G 4/00 (2006.01) F28D 15/02 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF TRANSFERRING HEAT FROM THE GROUND**
[54] **SYSTEME ET METHODE DE TRANSFERT DE CHALEUR DU SOL**
[72] ELDER, LLOYD, CA
[71] ELDER, LLOYD, CA
[22] 2022-07-28
[41] 2023-01-29
[30] US (63/227,102) 2021-07-29
[30] US (63/236,005) 2021-08-23
[30] US (63/243,882) 2021-09-14
[30] US (63/388,765) 2022-07-13

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[13] A1
[25] EN
[54] **BUSINESS REQUEST PROCESSING METHOD, SYSTEM, AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DES DEMANDES COMMERCIALES, SYSTEME, ET SUPPORT DE DONNEES LISIBLE PAR ORDINATEUR**
[72] MA, XINXIN, CN
[72] XIAO, BIN, CN
[72] SUN, GUOXING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-08-03
[41] 2023-02-04
[30] CN (202110891664.1) 2021-08-04

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[13] A1
[51] **Int.Cl. B62D 1/06 (2006.01) B60R 16/027 (2006.01) B62D 5/04 (2006.01)**
[25] EN
[54] **RECREATIONAL VEHICLES WITH HEATED STEERING COMPONENTS**
[54] **VEHICULES RECREATIFS AVEC ORGANES DE DIRECTION CHAUFFANTS**
[72] NORSTAD, TIMOTHY P., US
[72] SHAUGHNESSY, AIDAN, US
[71] POLARIS INDUSTRIES INC., US
[22] 2022-07-28
[41] 2023-02-02
[30] US (63/228,334) 2021-08-02
[30] US (17/844,303) 2022-06-20

[21] **3,169,448**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) G01B 11/16 (2006.01) G01D 5/32 (2006.01) G01S 17/66 (2006.01)**
[25] EN
[54] **TRACKING SYSTEM**
[54] **SYSTEME DE LOCALISATION**
[72] WILES, ANDREW DONALD, CA
[72] PARDASANI, UTSAV, CA
[72] ALARCON HERRERA, JOSE LUIS, CA
[71] NORTHERN DIGITAL INC., CA
[22] 2022-07-28
[41] 2023-01-30
[30] US (63/227,799) 2021-07-30

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[13] A1
[51] **Int.Cl. B60L 53/68 (2019.01) B60L 53/66 (2019.01) B60L 53/67 (2019.01)**
[25] EN
[54] **ELECTRIC VEHICLE DISTRIBUTED ENERGY RESOURCE MANAGEMENT**
[54] **GESTION DES RESSOURCES ENERGETIQUES DISTRIBUEES POUR VEHICULE ELECTRIQUE**
[72] NEUENSCHWANDER, VICTORIA, US
[72] BYERS, TYLER, US
[72] TING, MICHAEL, US
[71] ITRON, INC., US
[22] 2022-08-03
[41] 2023-02-03
[30] US (63/229,009) 2021-08-03
[30] US (17/851,565) 2022-06-28

[21] **3,169,501**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **A PORTABLE DOCK FOR ELECTRONIC KEY RETENTION DEVICES**
[54] **STATION D'ACCUEIL MOBILE POUR DISPOSITIFS ELECTRONIQUES DE RETENTION DE CLES**
[72] PEDERSEN, JASON SHAUN, US
[72] HATZINGER, TAMARA, US
[71] KNOX ASSOCIATES, INC. DBA KNOX COMPANY, US
[22] 2022-08-03
[41] 2023-02-03
[30] US (63/229028) 2021-08-03
[30] US (17/816835) 2022-08-02

[21] **3,169,516**
[13] A1
[51] **Int.Cl. C02F 1/42 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **HIGHLY CONFIGURABLE ADAPTABLE MOBILE DEIONIZATION TRAILER**
[54] **REMORQUE DE DEIONISATION MOBILE HAUTEMENT CONFIGURABLE ET ADAPTABLE**
[72] FORBES, JOHN DAVID, US
[72] KILLION, KODI MARLAN, US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
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[41] 2023-02-04
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[54] **A METHOD FOR OPERATING A GAMING SYSTEM**
[54] **METHODE D'EXPLOITATION POUR SYSTEME DE JEU**
[72] TORNQVIST, JOHAN, MT
[71] PLAY'N GO MARKS LTD, MT
[22] 2022-08-04
[41] 2023-02-04
[30] SE (2150985-6) 2021-08-04

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[25] EN
[54] **CHOKE GATE VALVE SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES POUR ROBINET-VANNE**
[72] ELLIOTT, DECLAN, IE
[72] MARTINO, JERRY, US
[72] DOGAR, MUNEEB, CA
[72] BEATON, KYLE, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[51] **Int.Cl. A01G 9/02 (2018.01) B65D 30/10 (2006.01) B65D 33/01 (2006.01)**
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[54] **READY TO USE GROW BAGS AND METHODS OF MAKING AND USING THE SAME**
[54] **SACS DE CULTURE PRETS A L'EMPLOI ET METHODES DE FABRICATION ET D'UTILISATION CONNEXES**
[72] FEAR, DOUGLAS DANIEL, US
[72] NORTH, RICHARD W., US
[71] FEAR, DOUGLAS DANIEL, US
[71] NORTH, RICHARD W., US
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[54] **SYSTEM AND METHOD FOR SUPPRESSION OF SMOKE AND/OR FIRE IN AN AUGER SYSTEM**
[54] **SYSTEME ET METHODE POUR LA SUPPRESSION DE LA FUMEE ET/OU DES INCENDIES DANS UN SYSTEME A LA TARIERE**
[72] KOENIG, MARK E., US
[71] KOMAR INDUSTRIES, LLC, US
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[54] **CUTTING SUPPORT FOR A CUTTING MACHINE AND RELATIVE CUTTING MACHINE**
[54] **SUPPORT DE COUPE POUR MACHINE A COUPER ET MACHINE A COUPER**
[72] CAROSELLI, TOMMASO, IT
[71] SASSOMECCANICA S.P.A., IT
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[25] EN
[54] **ORAL COMPOSITIONS FOR BLADDER REGULATION AND USES THEREOF**
[54] **COMPOSITIONS ORALES POUR LA REGULATION DE LA VESSIE ET UTILISATIONS CONNEXES**
[72] DAMAJ, BASSAM, US
[71] AYTU BIOPHARMA, INC., US
[22] 2022-08-26
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[54] **METHOD, PROCESS AND SYSTEM FOR RECYCLING AN ASPHALT-BASED ROOFING MATERIAL**
[54] **METHODE ET SYSTEME DE RECYCLAGE DE MATERIAU DE COUVERTURE A BASE D'ASPHALTE**
[72] CHARLES, TERRY ALAN, CA
[72] JOHNSON, GORD, CA
[72] DIEBOLD, BARRY, CA
[71] NORTHSTAR CLEAN TECHNOLOGIES INC., CA
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[25] EN
[54] **VEHICLE STATUS INDICATOR SYSTEMS WITH ENHANCED ASSEMBLIES, ACTUATOR DEVICES, AND ILLUMINATION FEATURES**
[54] **SYSTEMES D'INDICATEURS D'ETAT DE VEHICULE COMPRENANT DES ENSEMBLES, DES DISPOSITIFS ACTIONNEURS ET DES CARACTERISTIQUES D'ECLAIRAGE AMELIORES**
[72] BECK, MICHAEL, US
[72] EGAN, CHRISTOPHER, US
[72] CLARK, WALKER CORIELL, US
[71] SPECIALTY MANUFACTURING, INC., US
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[41] 2023-02-02
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[54] **LIGHT BULB HOLDER STRUCTURE AND LIGHT**
[54] **STRUCTURE PORTE-AMPOULE ET AMPOULE**
[72] LIN, XIONGZHONG, CN
[72] WU, QINGAN, CN
[72] LIN, ZHONGYI, CN
[71] ZHANGZHOU GO WIN LIGHTING CO., LTD, CN
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[54] **GEARING AND CRANKSHAFT ASSEMBLY FOR POWER TOOLS**
[54]
[72] BEER, JOSHUA M., US
[71] SNAP-ON INCORPORATED, US
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[54] **METHOD FOR PRODUCING MAACKIAIN BY USING PLANT CELL FERMENTATION**
[54] **METHODE DE PRODUCTION DE MAACKIAIN AU MOYEN DE LA FERMENTATION DE CELLULES DE PLANTE**
[72] CAI, XIANNENG, CN
[72] LIN, LIANGLI, CN
[72] QIU, YUNTING, CN
[72] WU, JIAJIA, CN
[71] HAINAN XINOPEN SOURCE MEDICAL TECHNOLOGY CO. LTD., CN
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[54] **EMBEDDING SERVICE FOR UNSTRUCTURED DATA**
[54] **SERVICE D'INTEGRATION POUR LES DONNEES NON STRUCTUREES**
[72] ZHAO, RUNHUA, US
[72] VINAY, PATIOLLA, US
[72] TERANI, NIKOLAS, US
[72] CRESSY, TAYLOR J., US
[72] VENTURELLI, HENRY, US
[71] INTUIT INC., US
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[54] **VARIABLE-SPEED INTEGRATED MACHINE AND WELLSITE APPARATUS**
[54] **MACHINE INTEGREE A VITESSE VARIABLE ET APPAREIL DE SITE DE PUITS**
[72] CUI, SHUZHEN, CN
[72] CHANG, SHENG, CN
[71] YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD., CN
[85] 2022-09-08
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[54] **NOVEL SPIROPYRROLIDINE DERIVED ANTIVIRAL AGENTS**
[54] **NOUVEAUX AGENTS ANTIVIRAUX DERIVES DE LA SPIROPYRROLIDINE**
[72] SHEN, RUICHAO, US
[72] HE, YONG, US
[72] XING, XUECHAO, US
[72] RHODES, MATTHEW C., US
[72] PANARESE, JOSEPH D., US
[72] BARTLETT, SAMUEL, US
[72] LI, WEI, US
[72] CAO, HUI, US
[72] ZHANG, JIAJUN, US
[72] PENG, XIAOWEN, US
[72] WANG, GUOQIANG, US
[72] OR, YAT SUN, US
[71] ENANTA PHARMACEUTICALS, INC., US
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[87] (3173702)
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[25] EN
[54] **A METHOD AND A SYSTEM FOR DETECTION OF EYE GAZE-PATTERN ABNORMALITIES AND RELATED NEUROLOGICAL DISEASES**
[54] **METHODE ET SYSTEME DE DETECTION D'ANOMALIES DANS LES MOUVEMENTS DU REGARD ET DES MALADIES NEUROLOGIQUES CONNEXES**
[72] DE VILLERS-SIDANI, ETIENNE, CA
[72] DROUIN-PICARO, PAUL ALEXANDRE, CA
[72] DESGAGNE, YVES, CA
[71] INNODEM NEUROSCIENCES, CA
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[54] **ANTI-PLA2G2D CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS ANTI-PLA2G2D ET UTILISATIONS CONNEXES**
[72] LEE, LI-FEN, US
[72] LU, KAN, US
[72] YU, JESSICA, US
[72] HUANG, JULIE, US
[72] WU, MADELINE, US
[72] CHEN, ARIEL YUXIN, US
[71] APEXIMMUNE THERAPEUTICS INC., US
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[87] (3178008)
[30] US (63/229,437) 2021-08-04

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[54] **2-(3-(2-METHYL-6-(P-TOLYL) PYRIDINE-3-YL) UREIDO) BENZENESULFONAMIDE AND DERIVATIVES AS INHIBITOR OF CARBONIC ANHYDRASE IX FOR THE TREATMENT OF CANCER**
[54] **2-(3-(2-METHYL-6-(P-TOLYL)PYRIDINE-3-YL)UREIDO)BENZENESULFONAMIDE ET SES DERIVES EN TANT QU'INHIBITEUR DE L'ANHYDRASE CARBONIQUE IX POUR LE TRAITEMENT DU CANCER**
[72] SAHIN, FIKRETTIN, TR
[72] MOHAMMED, ESLAM, TR
[72] CELIK, MELTEM, TR
[71] YEDITEPE UNIVERSITESI, TR
[85] 2022-11-08
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[51] **Int.Cl. B01J 2/04 (2006.01) B01L 3/00 (2006.01)**
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[54] **MIXER FOR GENERATING PARTICLES**
[54] **MELANGEUR POUR GENERER DES PARTICULES**
[72] HUANG, LEI, CN
[72] ZHANG, YUJIAN, CN
[72] LI, HANGWEN, CN
[72] YU, HAI, CN
[71] STEMIRNA THERAPEUTICS CO., LTD, CN
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[86] 2021-01-12 (PCT/CN2021/071253)
[87] (WO2021/227544)
[30] CN (202010414239.9) 2020-05-15
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[54] **ROTOR HAVING A SQUIRREL CAGE**
[54] **ROTOR COMPRENANT UNE CAGE D'ECUREUIL**
[72] RESSEL, EKKEHARD, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **PROCESS FOR RECOVERING TITANIUM DIOXIDE**
[54] **PROCEDE DE RECUPERATION DE DIOXYDE DE TITANE**
[72] DAS, GOUTAM KUMAR, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **RECOMBINANT CD40 BINDING PROTEINS AND THEIR USE**
[54] **PROTEINES DE LIAISON A CD40 RECOMBINANTES ET LEUR UTILISATION**
[72] CALABRO, VALERIE PERRINE, CH
[72] RIGAMONTI, NICOLO, CH
[72] DOMKE, CLARA, CH
[72] SCHLEGEL, ANJA CHRISTINA, CH
[71] MOLECULAR PARTNERS AG, CH
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[54] **COQUE A GEOMETRIE VARIABLE**
[72] ROSSI, ROBERTO, IT
[72] VERME, MASSIMO, IT
[71] VERME PROJECTS S.R.L., IT
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[54] **ADVERTISEMENT INFORMATION PROCESSING METHOD AND APPARATUS, AND STORAGE MEDIUM**
[54] **PROCEDE DE TRAITEMENT D'INFORMATIONS PUBLICITAIRES, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] CHEN, PEIPEI, CN
[72] XU, GUOQI, CN
[72] XU, ENJIAN, CN
[72] LIU, ZHIKUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **ONCOLYTIC VIRUS VACCINE AND DRUG FOR TREATING TUMORS BY COMBINING ONCOLYTIC VIRUS VACCINE WITH IMMUNE CELLS**
[54] **VACCIN A VIRUS ONCOLYTIQUE ET MEDICAMENT POUR LE TRAITEMENT DE TUMEURS PAR COMBINAISON D'UN VACCIN A VIRUS ONCOLYTIQUE AVEC DES CELLULES IMMUNITAIRES**
[72] ZHOU, GUOQING, CN
[72] YANG, HE, CN
[72] ZHANG, FAN, CN
[72] ZHANG, SUHONG, CN
[71] JOINT BIOSCIENCES (SH) LTD., CN
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[86] 2021-05-11 (PCT/CN2021/093142)
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[25] EN
[54] **ONCOLYTIC VIRUS IN COMBINATION WITH IMMUNE CHECKPOINT INHIBITOR FOR TREATING TUMORS**
[54] **VIRUS ONCOLYTIQUE EN ASSOCIATION AVEC UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE POUR LE TRAITEMENT DE TUMEURS**
[72] ZHOU, GUOQING, CN
[72] YANG, HE, CN
[72] ZHANG, FAN, CN
[72] ZHANG, SUHONG, CN
[71] JOINT BIOSCIENCES (SH) LTD., CN
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[54] **HIGH-SPEED TUNNEL FOR THE READING AND MASS ENCODING OF RFID LABELS CONTAINED IN A PACKAGE**
[54] **TUNNEL A VITESSE ELEVEE POUR LECTURE ET CODAGE MASSIFS D'ETIQUETTES RFID CONTENUES DANS UN PAQUET**
[72] RIUS PASCUAL, LUIS, ES
[71] RIELEC AUTOMATIZACION INDUSTRIAL SL, ES
[85] 2022-11-11
[86] 2021-05-14 (PCT/ES2021/070347)
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[54] **ANILINE COMPOUND USED AS ROR.GAMMA. REGULATOR**
[54] **COMPOSE ANILINE UTILISE COMME REGULATEUR DE ROR?**
[72] CHENG, YAOBANG, CN
[72] HUANG, YAFEI, CN
[72] ZHOU, JUAN, CN
[72] DONG, ZHIQIANG, CN
[71] SHANGHAI LITEDD CO., LTD., CN
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[54] **USE OF (Z)-3-HEXENYL ESTERS AND METHOD FOR PROTECTING PLANTS AGAINST PESTS**
[54] **UTILISATION D'ESTERS DE (Z)-3-HEXENYLE ET METHODE DE PROTECTION DES PLANTES CONTRE LES PARASITES**
[72] PEREZ HEDO, MERITXEL, ES
[72] URBANEJA GARCIA, ALBERTO, ES
[72] ALONSO VALIENTE, MIQUEL, ES
[72] NAVARRO LLOPIS, VICENTE, ES
[72] VACAS GONZALEZ, SANDRA, ES
[72] RAMBLA NEBOT, JOSE LUIS, ES
[72] GRANELL RICHART, ANTONIO, ES
[71] UNIVERSITAT POLITECNICA DE VALENCIA, ES
[71] INSTITUTO VALENCIANO DE INVESTIGACIONES AGRARIAS (IVIA), ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC), ES
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[54] **PROGRAMMABLE NUCLEASES AND METHODS OF USE**
[54] **NUCLEASES PROGRAMMABLES ET METHODES D'UTILISATION**
[72] HARRINGTON, LUCAS BENJAMIN, US
[72] WRIGHT, WILLIAM DOUGLASS, US
[72] LIU, PEI-QI, US
[72] RAUCH, BENJAMIN JULIUS, US
[72] HARTONO, WIPUTRA JAYA, US
[72] MCKAY, BRIDGET ANN PAINE, US
[72] PHIPPS, DANUTA SASTRE, US
[72] ZHENG, YUXUAN, US
[72] SANVISENS, NEREA, US
[72] CHEN, SEAN, US
[72] PAEZ-ESPINO, DAVID, US
[71] MAMMOTH BIOSCIENCES, INC., US
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[30] US (63/040,998) 2020-06-18
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[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **RHEOLOGY MODIFIER AND AMINOSILANE WATERBORNE ADMIXTURE**
[54] **MODIFICATEUR DE RHEOLOGIE ET MELANGE AQUEUX D'AMINOSILANE**
[72] HOSTETTER, MARISA, US
[72] LU, YUJIE, US
[72] RABASCO, JOHN J., US
[72] THOMPSON, STEPHEN D., US
[71] ROHM AND HAAS COMPANY, US
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[54] **COMPOSITIONS AND METHODS OF INDUCING RNAI OR TYPE I IFN IN IFN COMPETENT CELLS AND USES THEREOF**
[54] **COMPOSITIONS ET PROCEDES D'INDUCTION D'ARNI OU D'IFN DE TYPE I DANS DES CELLULES IFN-COMPETENTES ET LEURS UTILISATIONS**
[72] DEWITTE-ORR, STEPHANIE, CA
[71] WILFRID LAURIER UNIVERSITY, CA
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[86] 2021-05-25 (PCT/CA2021/050703)
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[54] **ALPHA-SYNUCLEIN SUBSTRATES AND METHODS FOR MAKING AND USING THE SAME**
[54] **SUBSTRATS D'ALPHA-SYNUCLEINE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] CONCHA, LUIS, US
[72] FARRIS, CARLY, US
[72] HOLGUIN, BRET, US
[72] MA, YIHUA, US
[71] AMPRION, INC., US
[71] CONCHA, LUIS, US
[71] FARRIS, CARLY, US
[71] HOLGUIN, BRET, US
[71] MA, YIHUA, US
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[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-11
[86] 2021-06-01 (PCT/EP2021/064717)
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[54] **WIND TURBINE AND CONVERTER FILTER CAPACITOR SWITCHING CONTROL METHOD, DEVICE AND SYSTEM THEREFOR**
[54] **PROCEDE DE COMMANDE DE COMMUTATION DE CONDENSATEUR DE FILTRE D'EOLIENNE ET DE CONVERTISSEUR, DISPOSITIF ET SYSTEME ASSOCIES**
[72] CHEN, LIQUAN, CN
[72] DUAN, LIAORAN, CN
[71] BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD., CN
[85] 2022-11-11
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[25] EN
[54] **USER SEARCH CATEGORY PREDICTOR**
[54] **PREDICTEUR DE CATEGORIE DE RECHERCHE D'UTILISATEUR**
[72] RISHI, SAHIL, US
[72] SANKAR, MANIKANDAN, US
[72] OH, BYONG MOK, US
[72] CHUENBUNLUESOOK, YODHAVEE, TH
[72] IIDA, SHUICHI, US
[72] HARA, JEFFREY KENICHIRO, US
[72] JOHNSON, STEPHEN, US
[71] MERCARI, INC., US
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[86] 2021-05-10 (PCT/US2021/031543)
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[54] **FOLDED ARCHITECTURAL PANEL**
[54] **PANNEAU ARCHITECTURAL PLIE**
[72] STANTS, CATHOLINE ELISABETH, NL
[71] HUNTER DOUGLAS INDUSTRIES B.V., NL
[85] 2022-11-11
[86] 2021-05-05 (PCT/EP2021/061791)
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[54] **CARTON AND CARTON BLANK**
[54] **CARTON ET DECOUPE DE CARTON**
[72] BARRETTE, ALEX N., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2022-11-11
[86] 2021-05-12 (PCT/US2021/032016)
[87] (WO2021/231587)
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[25] EN
[54] **MOIRE MARKER FOR X-RAY IMAGING**
[54] **MARQUEUR DE MOIRE POUR IMAGERIE RADIOGRAPHIQUE**
[72] STOPP, SEBASTIAN, DE
[72] FRIELINGHAUS, NILS, DE
[71] BRAINLAB AG, DE
[85] 2022-11-14
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[25] EN
[54] **DEVICES AND TECHNIQUES FOR TREATING METATARSUS ADDUCTUS**
[54] **DISPOSITIFS ET TECHNIQUES DE TRAITEMENT DU METATARSE ADDUCTUS**
[72] MCALEER, JODY, US
[72] DECARBO, WILLIAM, US
[72] HATCH, DANIEL, US
[72] DAYTON, PAUL, US
[72] SANTROCK, ROBERT, US
[72] SMITH, W. BRET, US
[72] KUYLER, ADRIAAN, US
[72] SCANLAN, SEAN, US
[71] TREACE MEDICAL CONCEPTS, INC., US
[85] 2022-11-14
[86] 2021-05-19 (PCT/US2021/033256)
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4725 (2006.01)**
[25] EN
[54] **PYRROLIDINE COMPOUND AND USE THEREOF**
[54] **COMPOSE PYRROLIDINE ET SON UTILISATION**
[72] GU, PENG, CN
[72] LIU, LEI, CN
[72] ZHANG, GUOBAO, CN
[72] ZHOU, FENG, CN
[72] TANG, RENHONG, CN
[72] REN, JINSHENG, CN
[71] SIMCERE PHARMACEUTICAL CO., LTD., CN
[71] JIANGSU SIMCERE PHARMACEUTICAL CO., LTD, CN
[85] 2022-11-14
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[51] **Int.Cl. A24F 40/485 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION DEVICE WITH ADJUSTABLE RTD AND RTD-BASED AUTOMATIC POWER CONTROL**
[54] **DISPOSITIF DE GENERATION D'AEROSOL A RTD AJUSTABLE ET COMMANDE DE PUISSANCE AUTOMATIQUE SUR LA BASE DE LA RTD**
[72] WILLIAMSON, SIMEON, CH
[72] FOALENG, STELLA, CH
[72] DOMINGUEZ ESTEVEZ, MANUEL, CH
[71] JT INTERNATIONAL S.A., CH
[85] 2022-11-14
[86] 2021-05-04 (PCT/EP2021/061740)
[87] (WO2021/228628)
[30] EP (20174142.8) 2020-05-12

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[51] **Int.Cl. F02B 77/04 (2006.01) F02B 77/08 (2006.01)**
[25] EN
[54] **METHOD FOR DESCALING A COMBUSTION ENGINE BY HYDROGEN INJECTION AND DESCALING STATION FOR IMPLEMENTING SAME**
[54] **PROCEDE DE DECALAMINAGE D'UN MOTEUR THERMIQUE PAR INJECTION D'HYDROGENE ET STATION DE DECALAMINAGE POUR SA MISE EN OEUVRE**
[72] CHEVENEMENT, LUDOVIC, FR
[71] ALPHAGREEN DEVELOPPEMENT, FR
[85] 2022-11-14
[86] 2021-05-11 (PCT/IB2021/053977)
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[51] **Int.Cl. A61B 6/00 (2006.01) G01T 1/02 (2006.01) G01T 1/20 (2006.01) G01T 1/29 (2006.01)**
[25] FR
[54] **METHOD FOR PROCESSING DATA RELATING TO A RADIOLOGICAL EXAMINATION OF A PATIENT**
[54] **PROCEDE DE TRAITEMENT DES DONNEES RELATIVES A UN EXAMEN RADIOLOGIQUE D'UN PATIENT**
[72] MUNIER, MELODIE, FR
[72] CARBILLET, FANNY, FR
[72] PRUDHOMME, PIERRE-BENOIT, FR
[72] GUILLOCHON, NICOLAS, FR
[71] FIBERMETRIX, FR
[71] ALARA EXPERTISE, FR
[85] 2022-11-14
[86] 2021-03-31 (PCT/FR2021/050562)
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[25] EN
[54] **COMPOSITION AND METHOD FOR THE DEWATERING OF AQUEOUS SUSPENSIONS**
[54] **COMPOSITION ET PROCEDE DE DESHYDRATATION DE SUSPENSIONS AQUEUSES**
[72] LIU, ZHAOQING, US
[72] BREVIGLIERI, SUSETE, US
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2022-11-14
[86] 2021-05-11 (PCT/US2021/031687)
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[25] EN
[54] **T CELL RECEPTORS WITH VGLL1 SPECIFICITY AND USES THEREOF**
[54] **RECEPTEURS DE LYMPHOCYTES T AYANT UNE SPECIFICITE POUR LE VGLL1 ET LEURS UTILISATIONS**
[72] LIZEE, GREGORY, US
[72] YEE, CASSIAN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2022-11-14
[86] 2021-05-21 (PCT/US2021/033619)
[87] (WO2021/237068)
[30] US (63/028,262) 2020-05-21

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[51] **Int.Cl. G06Q 50/16 (2012.01)**
[25] EN
[54] **SYSTEM AND COMPUTER-IMPLEMENTED METHOD TO ANALYZE, PREDICT OR AUTOMATE FINANCIAL AND OPERATIVE MANAGEMENT OR ANY ACTIVITIES RELATING TO BUILDINGS BASED ON DATA ABOUT THE SAME BUILDING**
[54] **SYSTEME ET PROCEDE MIS EN ?UVRE PAR ORDINATEUR POUR ANALYSER, PREDIRE OU AUTOMATISER UNE GESTION FINANCIERE ET FONCTIONNELLE OU TOUTE ACTIVITE RELATIVE A DES BATIMENTS SUR LA BASE DE DONNEES CONCERNANT LES MEMES BATIMENT**
[72] DEL SOL, ARIANNA, CA
[71] DEL SOL, ARIANNA, CA
[85] 2022-11-14
[86] 2021-05-14 (PCT/CA2021/050669)
[87] (WO2021/226724)
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[51] **Int.Cl. A61K 31/70 (2006.01) A61K 31/702 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **2'-FUCOSYLLACTOSE FOR THE PREVENTION AND TREATMENT OF CORONAVIRUS-INDUCED INFLAMMATION**
[54] **2'-FUCOSYLLACTOSE POUR LA PREVENTION ET LE TRAITEMENT D'UNE INFLAMMATION INDUITE PAR UN CORONAVIRUS**
[72] MORROW, ARDYTHE L., US
[72] NEWBURG, DAVID S., US
[72] MCCOY, JOHN M., US
[71] GLYCOSYN LLC, US
[85] 2022-11-14
[86] 2021-05-13 (PCT/US2021/032282)
[87] (WO2021/231750)
[30] US (63/024,473) 2020-05-13

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[51] **Int.Cl. H04N 13/106 (2018.01) H04N 13/122 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROCESSING IMMERSIVE MEDIA DATA, STORAGE MEDIUMAND ELECTRONIC APPARATUS**
[54] **METHODE ET APPAREIL POUR LE TRAITEMENT DE DONNEES DE CONTENU IMMERSIF, SUPPORT DE STOCKAGE ET APPAREIL ELECTRONIQUE**
[72] LI, QIUTING, CN
[72] HUANG, CHENG, CN
[72] BAI, YAXIAN, CN
[71] ZTE CORPORATION, CN
[85] 2022-11-14
[86] 2021-06-07 (PCT/CN2021/098689)
[87] (WO2021/259054)
[30] CN (202010581346.0) 2020-06-23

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[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/60 (2019.01) B60L 53/68 (2019.01)**
[25] EN
[54] **SECURE ENCLOSURE FOR A DIRECT CURRENT ELECTRIC VEHICLE SUPPLY EQUIPMENT**
[54] **ENCEINTE SECURISEE D'EQUIPEMENT D'ALIMENTATION EN COURANT CONTINU DE VEHICULE ELECTRIQUE**
[72] HAGENMAIER, CARL F. JR., US
[72] BUCZEK, JOSEPH, US
[72] ANANTHAPADMANABHAN MADHUSUDAN, ., IN
[72] SIDLE, STEPHEN ERIC, US
[71] CHARGEPOINT, INC., US
[85] 2022-11-14
[86] 2021-05-14 (PCT/IB2021/054175)
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[30] US (63/025,611) 2020-05-15

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[25] EN
[54] **MULTI-FUNCTIONAL GSH-RESPONSIVE SILICA NANOPARTICLES FOR DELIVERY OF BIOMOLECULES INTO PLANT CELLS**
[54] **UTILISATION DE NANOPARTICULES MULTIFONCTIONNELLES SENSIBLES AU GSH POUR LA DELIVRANCE DE BIOMOLECULES DANS DES CELLULES VEGETALES**
[72] GONG, SHAOQIN, US
[72] ZHONG, XUEHUA, US
[72] WANG, YUYUAN, US
[72] QIAN, SHUIMING, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2022-11-14
[86] 2021-05-18 (PCT/US2021/032946)
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[30] US (63/026,459) 2020-05-18

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[51] **Int.Cl. G21B 1/00 (2006.01) G21B 3/00 (2006.01) G21D 7/00 (2006.01) H05H 1/14 (2006.01)**
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[54] **SULFUR BLANKET**
[54] **« COUVERTURE » DE SOUFRE**
[72] JACKSON, GERALD PETER, US
[72] ZLOTNICKI, JOSEPH MATTHEW, US
[71] BEAM ALPHA, INC., US
[85] 2022-11-14
[86] 2021-06-07 (PCT/US2021/036092)
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[25] EN
[54] **FUCOSYLATED OLIGOSACCHARIDES FOR PREVENTION OF CORONAVIRUS INFECTION**
[54] **OLIGOSACCHARIDES FUCOSYLES POUR LA PREVENTION D'UNE INFECTION A CORONAVIRUS**
[72] MORROW, ARDYTHE L., US
[72] NEWBURG, DAVID S., US
[72] MCCOY, JOHN M., US
[71] GLYCOSYN LLC, US
[85] 2022-11-14
[86] 2021-05-13 (PCT/US2021/032283)
[87] (WO2021/231751)
[30] US (63/024,464) 2020-05-13

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[51] **Int.Cl. B67D 1/08 (2006.01)**
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[54] **VALVE FOR A BEVERAGE CONTAINER**
[54] **SOUPAPE POUR CONTENANT DE BOISSON**
[72] LUTH, HENDERIKUS HILVERT, NL
[72] ROZEBOOM, FRANS WIEBE, NL
[72] ONNEKINK, JOHAN, NL
[72] PATJE, ALEXANDER, NL
[72] DE VRIND, JOHANNES ROGIER, NL
[72] PAAUWE, ARIE MAARTEN, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2022-11-14
[86] 2021-05-19 (PCT/NL2021/050320)
[87] (WO2021/235934)
[30] NL (2025622) 2020-05-19

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[25] EN
[54] **PROTECTIVE COVERS AND METHODS OF MANUFACTURE AND USE**
[54] **COUVERCLES PROTECTEURS ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] OZOL, SECKIN, US
[72] TODT, GREGORY, US
[72] QI, NA, US
[71] TRANSHIELD, INC., US
[85] 2022-11-14
[86] 2021-05-21 (PCT/US2021/033527)
[87] (WO2021/237006)
[30] US (16/881,515) 2020-05-22
[30] US (17/325,436) 2021-05-20

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[25] EN
[54] **REUSE OF IP ADDRESSES**
[54] **REUTILISATION D'ADRESSES IP**
[72] ZHANG, WEN, CN
[72] HE, YINGJIAO, CN
[72] XU, WENLIANG, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE
[85] 2022-11-14
[86] 2020-09-29 (PCT/EP2020/077212)
[87] (WO2021/228419)
[30] CN (PCT/CN2020/090036) 2020-05-13

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[51] **Int.Cl. H02G 7/06 (2006.01) G02B 6/48 (2006.01)**
[25] EN
[54] **BUNDLING SUSPENSION WIRE**
[54] **LIGNE DE SUSPENSION EN FAISCEAU**
[72] TAKI, GO, JP
[72] INAGAKI, RYO, JP
[72] OSATO, KEN, JP
[72] ISHIOKA, MASAYUKI, JP
[71] FUJIKURA LTD., JP
[85] 2022-11-14
[86] 2021-02-16 (PCT/JP2021/005668)
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[30] JP (2020-085967) 2020-05-15

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[51] **Int.Cl. C21D 1/06 (2006.01) C21D 1/22 (2006.01) C21D 6/00 (2006.01) C21D 6/04 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/42 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01) C22C 38/52 (2006.01) C22C 38/54 (2006.01) C23C 8/22 (2006.01)**
[25] EN
[54] **STRONG, TOUGH, AND HARD STAINLESS STEEL AND ARTICLE MADE THEREFROM**
[54] **ACIER INOXYDABLE SOLIDE, RESISTANT ET DUR ET ARTICLE FABRIQUE A PARTIR DUDIT ACIER**
[72] BUCK, ROBERT F., US
[71] CRS HOLDINGS, LLC, US
[85] 2022-11-14
[86] 2021-05-20 (PCT/US2021/033350)
[87] (WO2021/236902)
[30] US (63/028,608) 2020-05-22

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[51] **Int.Cl. G01R 29/08 (2006.01) H04B 10/00 (2013.01)**
[25] EN
[54] **ATOM-BASED CLOSED-LOOP CONTROL FOR ELECTROMAGNETIC RADIATION MEASUREMENT, COMMUNICATIONS, AND INFORMATION PROCESSING**
[54] **COMMANDE EN BOUCLE FERMEE BASEE SUR LES ATOMES POUR MESURE DE RAYONNEMENT ELECTROMAGNETIQUE, COMMUNICATIONS ET TRAITEMENT D'INFORMATIONS**
[72] ANDERSON, DAVID A., US
[72] RAITHEL, GEORG, US
[71] RYDBERG TECHNOLOGIES INC., US
[85] 2022-11-14
[86] 2021-05-28 (PCT/US2021/034935)
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[30] US (63/032,041) 2020-05-29
[30] US (63/077,244) 2020-09-11

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[51] **Int.Cl. A61L 9/22 (2006.01)**
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[54] **AIR CLEANER**
[54] **EPURATEUR D'AIR**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[85] 2022-11-14
[86] 2021-04-28 (PCT/CA2021/050581)
[87] (WO2021/232145)
[30] US (63/029,138) 2020-05-22
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[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
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[54] **CABLE A FIBRE OPTIQUE**
[72] OHNO, MASATOSHI, JP
[72] NAMAZUE, AKIRA, JP
[72] OSATO, KEN, JP
[71] FUJIKURA LTD., JP
[85] 2022-11-14
[86] 2021-02-16 (PCT/JP2021/005686)
[87] (WO2021/229880)
[30] JP (2020-085734) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01)**
[25] EN
[54] **CONCOMITANT ADMINISTRATION OF GLUCOCORTICOID RECEPTOR MODULATOR RELACORILANT AND PACLITAXEL, A DUAL SUBSTRATE OF CYP2C8 AND CYP3A4**
[54] **ADMINISTRATION CONCOMITANTE DE RELACORILANT DE MODULATEUR DU RECEPTEUR DE GLUCOCORTICOIDE ET DE PACLITAXEL, DOUBLE SUBSTRAT DE CYP2C8 ET CYP3A4**
[72] HUNT, HAZEL, US
[72] CUSTODIO, JOSEPH, US
[71] CORCEPT THERAPEUTICS INCORPORATED, US
[85] 2022-11-14
[86] 2021-05-26 (PCT/US2021/034332)
[87] (WO2021/242912)
[30] US (63/030,800) 2020-05-27

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[13] A1
[51] **Int.Cl. B65G 27/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN VIBRATORY FEEDERS**
[54] **AMELIORATIONS APPORTEES A DES ALIMENTATEURS VIBRATOIRES**
[72] LAWTON, SIMON, CH
[72] TIBOS, STACIE, CH
[72] DOBSON, LINDSAY, CH
[71] FRITO-LAY TRADING COMPANY GMBH, CH
[85] 2022-11-14
[86] 2021-05-28 (PCT/EP2021/064447)
[87] (WO2021/244989)
[30] GB (2008273.1) 2020-06-02

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[13] A1
[51] **Int.Cl. A61K 31/56 (2006.01) A61K 31/565 (2006.01) A61P 25/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **TREATMENT OF ADJUSTMENT DISORDERS**
[54] **TRAITEMENT DE TROUBLES DE L'ADAPTATION**
[72] SINGH, SHAWN K., US
[72] SMITH, MARK A., US
[71] VISTAGEN THERAPEUTICS, INC., US
[85] 2022-11-14
[86] 2021-05-18 (PCT/US2021/032920)
[87] (WO2021/236606)
[30] US (63/026,441) 2020-05-18

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[13] A1
[51] **Int.Cl. A61K 38/12 (2006.01) A61K 39/39 (2006.01) A61P 25/28 (2006.01) C07K 7/06 (2006.01) C07K 7/64 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **MULTI-EPITOPE VACCINE FOR THE TREATMENT OF ALZHEIMER'S DISEASE**
[54] **VACCINS A MULTIPLES EPITOPES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] BARBOUR, ROBIN, US
[72] KINNEY, GENE, US
[72] ZAGO, WAGNER, US
[72] NIJJAR, TARLOCHAN S., US
[71] OTHAIR PROTHENA LIMITED, IE
[85] 2022-11-14
[86] 2021-05-19 (PCT/US2021/033222)
[87] (WO2021/236809)
[30] US (63/027,150) 2020-05-19
[30] US (63/062,903) 2020-08-07
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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/04 (2006.01) A61K 38/46 (2006.01)**
[25] EN
[54] **MODIFIED PLYSS2 LYSINS AND ANTIBIOTIC COMBINATIONS FOR USE AGAINST GRAM-POSITIVE BACTERIA**
[54] **LYSINES PLYSS2 MODIFIEES ET COMBINAISONS ANTIBIOTIQUES A UTILISER CONTRE DES BACTERIES A GRAM POSITIF**
[72] SCHUCH, RAYMOND, US
[71] CONTRAFECT CORPORATION, US
[85] 2022-11-14
[86] 2021-05-18 (PCT/US2021/032958)
[87] (WO2021/236636)
[30] US (63/026,954) 2020-05-19

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[51] **Int.Cl. A61K 31/22 (2006.01) A61K 31/07 (2006.01) A61P 27/02 (2006.01) C07C 69/52 (2006.01) C07C 403/12 (2006.01)**
[25] EN
[54] **METHODS OF TREATING VISUAL DISORDERS USING DAILY LOW DOSING OF A RETINOID COMPOUND**
[54] **METHODES DE TRAITEMENT DE TROUBLES VISUELS PAR ADMINISTRATION QUOTIDIENNE FAIBLE D'UN COMPOSE RETINOIDE**
[72] NORONHA, GLENN, US
[72] TEUSCHER, NATHAN, US
[72] KATZ, BARRETT, US
[71] ELUMINEX BIOSCIENCES (SUZHOU) LIMITED, CN
[85] 2022-11-14
[86] 2021-06-08 (PCT/US2021/036297)
[87] (WO2021/252421)
[30] US (63/036,862) 2020-06-09

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[13] A1
[51] **Int.Cl. G01N 27/82 (2006.01)**
[25] EN
[54] **STRESS CONCENTRATION MAPPING IN INSULATED PIPEWORK**
[54] **CARTOGRAPHIE DE CONCENTRATION DE CONTRAINTE DANS UNE TUYAUTERIE ISOLEE**
[72] VO, CHAU, GB
[72] GAN, YONGZE, GB
[72] TWEDDLE, DAVID, GB
[72] HABIBI, HAMED, GB
[71] SPEIR HUNTER LTD, GB
[85] 2022-11-14
[86] 2021-05-24 (PCT/GB2021/000058)
[87] (WO2021/234334)
[30] GB (2007712.9) 2020-05-22

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[13] A1
[51] **Int.Cl. B60J 5/04 (2006.01)**
[25] EN
[54] **VEHICLE DOOR MODULE, METHOD OF MANUFACTURE OF SAID MODULE AND VEHICLE INCORPORATING THE SAME**
[54] **MODULE DE PORTE DE VEHICULE, PROCEDE DE FABRICATION DUDIT MODULE ET VEHICULE L'INCORPORANT**
[72] MIRA PALACIOS, JORGE, ES
[72] TORRALBA, CARLOS, ES
[71] HI-LEX AUTO PARTS SPAIN, S.L., ES
[85] 2022-11-14
[86] 2021-05-25 (PCT/ES2021/070376)
[87] (WO2021/240038)
[30] EP (20382440.4) 2020-05-25

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[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 10/0562 (2010.01) B60L 50/00 (2019.01) H01M 50/403 (2021.01) H01M 50/431 (2021.01) C01B 17/22 (2006.01) C01B 25/08 (2006.01) C01G 9/08 (2006.01)**
[25] EN
[54] **NEW SOLID SULFIDE ELECTROLYTES**
[54] **NOUVEAUX ELECTROLYTES A BASE DE SULFURE SOLIDE**
[72] BRAIDA, MARC-DAVID, FR
[72] LE MERCIER, THIERRY, FR
[72] MASQUELIER, CHRISTIAN, FR
[72] KUDU, OMER ULAS, FR
[71] SOLVAY SA, BE
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE PICARDIE JULES VERNE, FR
[85] 2022-11-14
[86] 2021-05-25 (PCT/EP2021/063911)
[87] (WO2021/239734)
[30] EP (20176525.2) 2020-05-26

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[13] A1
[51] **Int.Cl. G08B 21/18 (2006.01) G01S 19/24 (2010.01) G01S 1/70 (2006.01) G01S 17/42 (2006.01) G01S 17/50 (2006.01) G01S 17/93 (2020.01) G08B 7/06 (2006.01)**
[25] EN
[54] **ROAD-SIDE DETECTION AND ALERT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DETECTION ET D'ALERTE SUR LE BORD DE LA ROUTE**
[72] ABEDI, SHOHREH, US
[72] CASTRO, LUIS, US
[72] LASKOWSKI, JEFFREY, US
[72] PATEL, VIRAL, US
[71] THE AUTO CLUB GROUP, US
[85] 2022-11-14
[86] 2021-05-19 (PCT/US2021/033219)
[87] (WO2021/236806)
[30] US (16/878,272) 2020-05-19

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 31/4166 (2006.01) A61K 31/4439 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **CONCOMITANT ADMINISTRATION OF GLUCOCORTICOID RECEPTOR MODULATOR RELACORILANT AND CYP2C8 SUBSTRATES**
[54] **ADMINISTRATION CONCOMITANTE DE RELACORILANT DE MODULATEUR DU RECEPTEUR DE GLUCOCORTICOIDE ET DE SUBSTRATS DE CYP3A**
[72] HUNT, HAZEL, US
[72] CUSTODIO, JOSEPH, US
[71] CORCEPT THERAPEUTICS INCORPORATED, US
[85] 2022-11-14
[86] 2021-05-26 (PCT/US2021/034325)
[87] (WO2021/242905)
[30] US (63/030,789) 2020-05-27

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[13] A1
[51] **Int.Cl. G01S 7/481 (2006.01) G01S 17/34 (2020.01) G01S 17/931 (2020.01) G01S 17/10 (2020.01) G01S 17/42 (2006.01) G02B 26/08 (2006.01)**
[25] EN
[54] **LIDAR SYSTEM**
[54] **SYSTEME LIDAR**
[72] ANGUS, EDWARD JOSEPH, US
[72] GALLOWAY, RYAN MOORE, US
[71] BLACKMORE SENSORS & ANALYTICS, LLC, US
[85] 2022-11-14
[86] 2021-05-14 (PCT/US2021/032515)
[87] (WO2021/231903)
[30] US (16/875,114) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/095 (2019.01) A61K 9/16 (2006.01) A61K 31/00 (2006.01) A61K 38/00 (2006.01) A61P 13/00 (2006.01)**
[25] EN
[54] **NEW PHARMACEUTICAL COMPOSITION FOR DRUG DELIVERY**
[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE POUR UNE ADMINISTRATION DE MEDICAMENT**
[72] SAVMARKER, JONAS, SE
[72] RONN, ROBERT, SE
[72] FISCHER, ANDREAS, SE
[71] OREXO AB, SE
[85] 2022-11-14
[86] 2021-05-18 (PCT/GB2021/051191)
[87] (WO2021/234366)
[30] GB (2007306.0) 2020-05-18
[30] GB (2009905.7) 2020-06-29
[30] GB (2018901.5) 2020-12-01

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **CONCOMITANT ADMINISTRATION OF GLUCOCORTICOID RECEPTOR MODULATOR RELACORILANT AND CYP2C9 SUBSTRATES**
[54] **ADMINISTRATION CONCOMITANTE DE MODULATEUR DE RECEPTEUR DES GLUCOCORTICOIDES RELACORILANT ET DE SUBSTRATS DU CYP2C9**
[72] HUNT, HAZEL, US
[72] CUSTODIO, JOSEPH, US
[71] CORCEPT THERAPEUTICS INCORPORATED, US
[85] 2022-11-14
[86] 2021-05-26 (PCT/US2021/034338)
[87] (WO2021/242916)
[30] US (63/030,809) 2020-05-27

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[13] A1
[51] **Int.Cl. C07F 9/6571 (2006.01) C08F 220/00 (2006.01) C08K 5/00 (2006.01) C08L 43/02 (2006.01) C09K 21/00 (2006.01)**
[25] EN
[54] **FLAMEPROOF ACRYLATE**
[54]
[72] HEUKELBACH, DIRK, DE
[72] DORING, MANFRED, DE
[72] CIESIELSKI, MICHAEL, DE
[71] RENOLIT AG, DE
[85] 2022-11-14
[86] 2021-06-15 (PCT/EP2021/066038)
[87] (WO2021/254993)
[30] DE (10 2020 116 028.3) 2020-06-17

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[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/67 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTIONS FOR SUPPLYING POWER TO INSULATING GLASS UNIT INTERIORS, AND/OR ASSOCIATED METHODS**
[54] **CONNEXIONS ELECTRIQUES D'ALIMENTATION EN ENERGIE D'INTERIEURS D'UNITES DE VITRAGE ISOLANT ET/OU PROCEDES ASSOCIES**
[72] MATUSZEWSKI, JOHN, US
[72] ALTIZER, LANCE, US
[71] GUARDIAN GLASS, LLC., US
[85] 2022-11-14
[86] 2021-07-15 (PCT/IB2021/056378)
[87] (WO2022/013799)
[30] US (16/947,006) 2020-07-15

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[13] A1
[51] **Int.Cl. C07D 215/28 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR AROMATIC ETHER COMPOUND**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE ETHER AROMATIQUE**
[72] WU, LIANG, CN
[72] ZHOU, CHEN, CN
[72] DENG, YIJUN, CN
[71] JIANGSU YAHONG MEDITECH CO., LTD., CN
[71] ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., CN
[85] 2022-11-14
[86] 2021-05-27 (PCT/CN2021/096279)
[87] (WO2021/258979)
[30] CN (202010573569.2) 2020-06-22

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0531 (2021.01) A61B 5/0533 (2021.01) A61B 5/022 (2006.01)**
[25] EN
[54] **SENSOR ASSEMBLY WITH MOVABLE SKIN SENSOR**
[54] **ENSEMBLE CAPTEUR AVEC CAPTEUR DE PEAU MOBILE**
[72] HARR, JIM, US
[71] MEDIBEACON INC., US
[85] 2022-11-14
[86] 2021-05-24 (PCT/US2021/033927)
[87] (WO2021/242700)
[30] US (63/029,927) 2020-05-26

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[13] A1
[51] **Int.Cl. B32B 3/26 (2006.01) B32B 5/02 (2006.01) B32B 5/24 (2006.01) B32B 27/12 (2006.01) E04B 1/62 (2006.01)**
[25] EN
[54] **DRAINING CONSTRUCTION FRAMEWORK AND METHODS FOR SAME**
[54] **STRUCTURE DE CONSTRUCTION DE DRAINAGE ET PROCEDES ASSOCIES**
[72] GONZALES, MIGUEL, US
[72] ZHOU, LEI, US
[72] FEI, XIAOJUN, US
[71] R.H. TAMLYN & SONS, LP, US
[71] ZHOU, LEI, US
[71] FEI, XIAOJUN, US
[85] 2022-11-14
[86] 2021-05-10 (PCT/US2021/031530)
[87] (WO2021/231270)
[30] US (16/872,001) 2020-05-11

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[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01)**
[25] EN
[54] **APPARATUS FOR CANNABINOL GENERATION AND METHODS OF USING THE SAME**
[54] **APPAREIL POUR LA PRODUCTION DE CANNABINOL ET LEURS METHODES D'UTILISATION**
[72] VERZURA, TONY M., US
[71] AZDT HOLDINGS, LLC, US
[85] 2022-11-14
[86] 2021-05-14 (PCT/US2021/032586)
[87] (WO2021/231950)
[30] US (63/024,740) 2020-05-14

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR A CLOSURE DEVICE WHICH IS IMPLANTABLE IN THE SUPERIOR OR INFERIOR VENA CAVA OF A HUMAN BODY IN A MINIMALLY INVASIVE MANNER, AND TRICUSPID VALVE PROSTHESIS WHICH IS IMPLANTABLE IN A MINIMALLY INVASIVE MANNE**
[54] **ENSEMBLE POUR DISPOSITIF DE FERMETURE IMPLANTABLE DANS LA VEINE CAVE SUPERIEURE OU INFERIEURE D'UN CORPS HUMAIN DE MANIERE MINIMALEMENT INVASIVE, ET PROTHESE DE VALVULE TRICUSPIDE POUVANT ETRE IMPLANTEE DE MANIERE MINIMALEMENT INVASIVE**
[72] BUTTER, CHRISTIAN, DE
[71] IMMANUEL ALBERTINEN DIAKONIE GGMBH, DE
[85] 2022-11-14
[86] 2021-05-18 (PCT/DE2021/100441)
[87] (WO2021/233502)
[30] DE (10 2020 113 585.8) 2020-05-19

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[13] A1
[51] **Int.Cl. E06B 9/264 (2006.01)**
[25] EN
[54] **CONTROL CIRCUITRY FOR DYNAMIC SHADE WITH ELECTROSTATIC HOLDING, AND ASSOCIATED METHODS**
[54] **ENSEMBLE DE CIRCUITS DE COMMANDE POUR UN STORE DYNAMIQUE A MAINTIEN ELECTROSTATIQUE ET PROCEDES ASSOCIES**
[72] KOSKULICS, JEFFREY, US
[72] AHMED, SYED UZAIR, US
[71] GUARDIAN GLASS, LLC., US
[85] 2022-11-14
[86] 2021-07-15 (PCT/IB2021/056376)
[87] (WO2022/013797)
[30] US (16/947,014) 2020-07-15

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[13] A1
[51] **Int.Cl. A21D 13/31 (2017.01) A23P 20/20 (2016.01)**
[25] EN
[54] **EDIBLE FOOD CASING**
[54] **ENVELOPPE ALIMENTAIRE COMESTIBLE**
[72] DEMIRKUREK, MUSTAFA, DE
[71] ALZARRO, DONERWORLD GMBH, DE
[85] 2022-11-14
[86] 2021-05-10 (PCT/EP2021/062321)
[87] (WO2021/228764)
[30] DE (20 2020 102 778.6) 2020-05-15

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[13] A1
[51] **Int.Cl. H02B 1/015 (2006.01) H02B 1/18 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUSES FOR TRANSFERRING POWER AND ANALYSIS**
[54] **PROCEDES, SYSTEMES ET APPAREILS DE TRANSFERT DE PUISSANCE ET ANALYSE**
[72] HEILMAN, DAVID D., US
[71] CONSTELLATION ENERGY GENERATION, LLC, US
[85] 2022-11-14
[86] 2021-05-13 (PCT/US2021/032286)
[87] (WO2021/231754)
[30] US (15/931,332) 2020-05-13

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[13] A1
[51] **Int.Cl. E21B 23/04 (2006.01) E21B 47/135 (2012.01)**
[25] EN
[54] **THERMITE METHOD OF ABANDONING A WELL**
[54] **PROCEDE D'ABANDON DE PUITS FAISANT APPEL A DE LA THERMITE**
[72] HEAD, PHILIP, GB
[71] PANDA-SEAL INTERNATIONAL LTD, BZ
[85] 2022-11-14
[86] 2020-06-01 (PCT/GB2020/051319)
[87] (WO2020/240211)
[30] GB (1907808.8) 2019-05-31
[30] GB (1909948.0) 2019-07-11

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[13] A1
[51] **Int.Cl. E06B 9/264 (2006.01)**
[25] EN
[54] **MOTORIZED DYNAMIC SHADE WITH ELECTROSTATIC HOLDING, AND ASSOCIATED METHODS**
[54] **STORE DYNAMIQUE MOTORISE A MAINTIEN ELECTROSTATIQUE ET PROCEDES ASSOCIES**
[72] HORN, LINDSAY, US
[72] MATUSZEWSKI, JOHN, US
[72] THEIOS, JASON, US
[71] GUARDIAN GLASS, LLC, US
[85] 2022-11-14
[86] 2021-07-15 (PCT/IB2021/056377)
[87] (WO2022/013798)
[30] US (16/947,007) 2020-07-15

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C07K 14/705 (2006.01) C07K 14/765 (2006.01)**
[25] EN
[54] **MULTISPECIFIC PROTEINS**
[54] **PROTEINES MULTISPECIFIQUES**
[72] RIGAMONTI, NICOLO, CH
[72] DOMKE, CLARA, CH
[72] CALABRO, VALERIE PERRINE, CH
[72] TRAIL SMITH, PAMELA ANNA, US
[72] LEVITSKY, VICTOR, CH
[72] VEITONMAKI, NIINA ELISABET, CH
[71] MOLECULAR PARTNERS AG, CH
[85] 2022-11-14
[86] 2021-05-14 (PCT/EP2021/062860)
[87] (WO2021/229067)
[30] EP (20174847.2) 2020-05-14
[30] EP (20181498.5) 2020-06-22

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[13] A1
[51] **Int.Cl. C04B 18/06 (2006.01)**
[25] EN
[54] **METHODS FOR PROCESSING INCINERATOR BOTTOM ASH**
[54] **PROCEDES DE TRAITEMENT DE CENDRES RESIDUELLES D'INCINERATEUR**
[72] SKENE, IAN, GB
[71] RECYCL8 LTD, GB
[85] 2022-11-14
[86] 2021-05-14 (PCT/GB2021/051175)
[87] (WO2021/229245)
[30] GB (2007263.3) 2020-05-15

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[13] A1
[51] **Int.Cl. F25J 1/00 (2006.01)**
[25] EN
[54] **GAS STREAM COMPONENT REMOVAL SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME D'EXTRACTION DE CONSTITUANTS D'UN COURANT DE GAZ**
[72] DUCOTE, DOUGLAS A., US
[71] CHART ENERGY & CHEMICALS, INC., US
[85] 2022-11-14
[86] 2021-06-02 (PCT/US2021/035459)
[87] (WO2021/247713)
[30] US (63/034,112) 2020-06-03

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[13] A1
[51] **Int.Cl. A47J 31/40 (2006.01) A47J 31/44 (2006.01) A47J 31/46 (2006.01) A47J 31/52 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREPARING A LIQUID PRODUCT**
[54] **SYSTEME ET PROCEDE DE PREPARATION D'UN PRODUIT LIQUIDE**
[72] VAN DRUTEN, WIEBE NICOLAAS, NL
[72] BOTMAN, MAARTEN JOANNES, NL
[72] VAN DE HEIJNING, WILLIBRORDA ANTONIA MARIA, NL
[71] FRIESLANDCAMPINA NEDERLAND B.V., NL
[85] 2022-11-09
[86] 2021-06-22 (PCT/NL2021/050390)
[87] (WO2021/261994)
[30] EP (20181420.9) 2020-06-22

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **LYSM RECEPTOR MOTIFS**
[54] **MOTIFS DE RECEPTEUR LYSM**
[72] RADUTOIU, SIMONA, DK
[72] ANDERSEN, KASPER ROJKJAER, DK
[72] STOUGAARD, JENS, DK
[72] LIRONI, DAMIANO, DK
[72] KRONAUER, CHRISTINA, DK
[72] LAURSEN, METTE, DK
[71] AARHUS UNIVERSITET, DK
[85] 2022-11-10
[86] 2021-05-18 (PCT/EP2021/063121)
[87] (WO2021/233904)
[30] US (63/027,151) 2020-05-19

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[13] A1
[51] **Int.Cl. E06B 9/264 (2006.01) E06B 3/677 (2006.01)**
[25] EN
[54] **DYNAMIC SHADE WITH REACTIVE GAS COMPATIBLE DESICCANT, AND/OR ASSOCIATED METHODS**
[54] **STORE DYNAMIQUE AYANT UN AGENT DESHYDRATANT COMPATIBLE AVEC UN GAZ REACTIF, ET/OU PROCEDES ASSOCIES**
[72] COOPER, DAVID, US
[72] RECKER, DUANE, US
[72] MATUSZEWSKI, JOHN, US
[71] GUARDIAN GLASS, LLC, US
[85] 2022-11-14
[86] 2021-07-14 (PCT/IB2021/056360)
[87] (WO2022/013784)
[30] US (62/705,776) 2020-07-15

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[13] A1
[51] **Int.Cl. C12M 1/42 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **POINT OF CARE SYSTEM FOR AUTOMATICALLY PROCESSING CELLS**
[54] **SYSTEME DE POINT DE SOINS POUR TRAITER AUTOMATIQUEMENT DES CELLULES**
[72] DADGAR, MAISAM, US
[72] ABDELJAWAD, TAREK, US
[72] BERNSTEIN, HOWARD, US
[71] SQZ BIOTECHNOLOGIES COMPANY, US
[85] 2022-11-14
[86] 2021-05-21 (PCT/US2021/033764)
[87] (WO2021/237164)
[30] US (63/029,230) 2020-05-22

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[13] A1
[51] **Int.Cl. A47G 29/14 (2006.01) A47G 29/12 (2006.01) A47G 29/28 (2006.01)**
[25] EN
[54] **COLLAPSIBLE SAFE BOX**
[54] **COFFRE-FORT PLIABLE**
[72] CHIAPPETTA, ANTHONY, US
[71] CHIAPPETTA, ANTHONY, US
[85] 2022-11-14
[86] 2021-05-14 (PCT/US2021/070565)
[87] (WO2021/232068)
[30] US (63/025,718) 2020-05-15

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[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/11 (2006.01) A61K 8/27 (2006.01) A61K 8/29 (2006.01) A61K 8/81 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **NOVEL ENCAPSULATED COSMETIC COMPOSITIONS AND USES THEREOF**
[54] **NOUVELLES COMPOSITIONS DE PRODUITS COSMETIQUES ENCAPSULEES ET LEURS UTILISATIONS**
[72] LEE, WILSON A., US
[71] ELC MANAGEMENT LLC, US
[85] 2022-11-14
[86] 2021-05-12 (PCT/US2021/032113)
[87] (WO2021/231665)
[30] US (63/025,759) 2020-05-15

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[13] A1
[51] **Int.Cl. B01D 21/00 (2006.01) B01D 21/01 (2006.01) B01D 21/06 (2006.01)**
[25] EN
[54] **LYSING A LIQUID SAMPLE WITH AUGMENTED OXIDIZING AGENTS CREATING A SOLUTION WITH A REDUCED MICROBIAL CONCENTRATION**
[54] **LYSE DE MATIERE ORGANIQUE AVEC DES AGENTS OXYDANTS AUGMENTES CREANT UNE SOLUTION A CONCENTRATION MICROBIENNE REDUITE**
[72] DABNEY, PAUL, US
[71] EMODS TECHNOLOGY, L.L.C., US
[85] 2022-11-14
[86] 2021-05-11 (PCT/US2021/031696)
[87] (WO2021/231368)
[30] US (15/931,813) 2020-05-14

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[13] A1
[51] **Int.Cl. C22B 3/16 (2006.01) C01D 15/08 (2006.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **HYDROMETALLURGICAL RECYCLING OF LITHIUM-ION BATTERY ELECTRODES**
[54] **RECYCLAGE HYDROMETALLURGIQUE D'ELECTRODES DE BATTERIE AU LITHIUM-ION**
[72] SONOC, ALEXANDRU, CA
[72] JESWIET, JACOB, CA
[72] GHAHREMANINEZHAD, AHMAD, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[85] 2022-11-14
[86] 2021-05-14 (PCT/CA2021/050663)
[87] (WO2021/226719)
[30] US (63/025,913) 2020-05-15

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[13] A1
[51] **Int.Cl. F03B 13/12 (2006.01) F03B 13/14 (2006.01)**
[25] EN
[54] **HYDROGEN PRODUCTION AND CONVEYANCE SYSTEM**
[54] **SYSTEME DE PRODUCTION ET DE TRANSPORT D'HYDROGENE**
[72] SHELDON-COULSON, GARTH ALEXANDER, US
[72] MOFFAT, BRIAN LEE, US
[72] PLACE, DANIEL WILLIAM, US
[72] THORSON, IVAR LEE, US
[71] LONE GULL HOLDINGS, LTD., US
[85] 2022-11-14
[86] 2021-05-17 (PCT/US2021/032758)
[87] (WO2021/236514)
[30] US (63/026,670) 2020-05-18
[30] US (63/060,145) 2020-08-03
[30] US (63/186,709) 2021-05-10
[30] US (17/320,541) 2021-05-14

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[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/5377 (2006.01) A61P 25/04 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) A61P 25/36 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **3-((1H-PYRAZOL-4-YL)METHYL)-6'-(PHENYL)-2H-(1,2'-BIPYRIDIN)-2-ONE DERIVATIVES AND RELATED COMPOUNDS AS GPR139 ANTAGONISTS FOR USE IN A METHOD OF TREATMENT OF E.G. DEPRESSION**
[54] **DERIVES DE 3-((1H-PYRAZOL-4-YL)METHYL)-6'-(PHENYL)-2H-(1,2'-BIPYRIDIN)-2-ONE ET COMPOSES APPARENTES SERVANT D'ANTAGONISTES DE GPR139 POUR UNE UTILISATION DANS UNE METHODE DE TRAITEMENT DE LA DEPRESSION, PAR EXEMPL**
[72] HASUI, TOMOAKI, JP
[72] MIKAMI, SATOSHI, JP
[72] YAMASHITA, TORU, JP
[72] NAKAMURA, SHINJI, JP
[72] MORIMOTO, SHINJI, JP
[72] IMAEDA, TOSHIHIRO, JP
[72] TAKAMI, KAZUAKI, JP
[72] DAINI, MASAKI, JP
[72] KAKEI, HIROYUKI, JP
[72] NAKAMURA, MINORU, JP
[72] YAMAGUCHI, FUMIE, JP
[72] WANG, CHUNXIANG, JP
[72] TAKASHIMA, SACHIE, JP
[72] KAMATA, MAKOTO, JP
[72] OGURO, YUYA, JP
[72] IKEDA, SHUHEI, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-11-14
[86] 2021-05-20 (PCT/IB2021/000337)
[87] (WO2021/234451)
[30] JP (2020-090111) 2020-05-22

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[13] A1
[51] **Int.Cl. B09B 3/00 (2022.01) C08J 11/12 (2006.01) C08J 11/16 (2006.01) C10B 47/32 (2006.01)**
[25] EN
[54] **ORGANIC WASTE RECYCLING APPARATUS, AND RECYCLING METHOD THEREFOR**
[54] **APPAREIL DE RECYCLAGE DE MATIERES ORGANIQUES ET METHODE DE RECYCLAGE CONNEXE**
[72] OKUMURA, AKIHISA, JP
[72] SHIBATA, HIDEKI, JP
[71] ACT CO., LTD., JP
[85] 2022-11-14
[86] 2020-06-25 (PCT/JP2020/024977)
[87] (WO2021/260875)

[21] **3,178,800**
[13] A1
[51] **Int.Cl. A47G 27/04 (2006.01) B29C 65/20 (2006.01)**
[25] EN
[54] **FLOORING EDGE TOOLS**
[54] **OUTILS DE BORD DE REVETEMENT DE SOL**
[72] TUMLIN, DANIEL, US
[72] PIERCE, WILLIAM DREW, US
[72] WILLIAMS, CHAVIS, US
[72] MOORE, JOHN, US
[71] SHAW INDUSTRIES GROUP, INC., US
[85] 2022-11-14
[86] 2021-05-14 (PCT/US2021/032441)
[87] (WO2021/231856)
[30] US (63/025,675) 2020-05-15

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/395 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **SARS-COV2 NEUTRALIZING SINGLE DOMAIN ANTIBODY CONSTRUCTS**
[54] **CONSTRUCTIONS D'ANTICORPS A DOMAINE UNIQUE NEUTRALISANT LE SARS-COV2**
[72] SAUNDERS, REUBEN, US
[72] BILLESBOELLE, CHRISTIAN, US
[72] WALTER, PETER, US
[72] MANGLIK, AASHISH, US
[72] SCHOOF, MICHAEL, US
[72] FAUST, BRYAN, US
[72] HOPPE, NICHOLAS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-11-14
[86] 2021-05-12 (PCT/US2021/032092)
[87] (WO2021/231651)
[30] US (63/023,645) 2020-05-12
[30] US (63/061,928) 2020-08-06
[30] US (63/047,655) 2020-07-02
[30] US (63/042,135) 2020-06-22

[21] **3,178,802**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSACTION AUTHORISATION**
[54] **SYSTEMES ET PROCEDES D'AUTORISATION DE TRANSACTION**
[72] SIDWELL, GRANT, GB
[72] COOK, MATTHEW, GB
[72] RYRIE, ANDREW, GB
[71] TYTONICAL LIMITED, GB
[85] 2022-11-14
[86] 2021-05-18 (PCT/GB2021/051192)
[87] (WO2021/234367)
[30] GB (2007362.3) 2020-05-18

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[13] A1
[51] **Int.Cl. F16G 13/20 (2006.01) B66F 3/06 (2006.01) F16H 55/30 (2006.01)**
[25] FR
[54] **THRUST CHAIN DEVICE HAVING A TOOTHED SPROCKET WITH LONG ASYMMETRICAL TEETH**
[54] **DISPOSITIF DE CHAINE DE POUSSEE A PIGNON A DENTS LONGUES ASYMETRIQUES**
[72] PREVOST, ROMAIN, FR
[71] SERAPID FRANCE, FR
[85] 2022-11-14
[86] 2021-05-16 (PCT/FR2021/050845)
[87] (WO2021/234253)
[30] FR (FR2004905) 2020-05-17

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[13] A1
[51] **Int.Cl. E21B 21/00 (2006.01)**
[25] EN
[54] **DIFFUSER ASSEMBLY**
[54] **ENSEMBLE DIFFUSEUR**
[72] ROMERO, CAMBRE ALLEN, US
[72] ROMERO, CLAYTON ALLEN, US
[71] DOWNHOLE RENTAL TOOLS, LLC, US
[85] 2022-11-14
[86] 2021-05-11 (PCT/US2021/031724)
[87] (WO2021/231389)
[30] US (16/871,501) 2020-05-11

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 16/28 (2006.01)**
[25] EN
[54] **IMMUNE CELLS WITH ENHANCED FUNCTION**
[54] **CELLULES IMMUNITAIRES A FONCTION AMELIOREE**
[72] SMITH, COREY, AU
[72] KHANNA, RAJIV, AU
[72] LINEBURG, KATIE, AU
[72] PANIKKAR, ARCHANA, AU
[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2022-11-14
[86] 2021-04-19 (PCT/AU2021/050347)
[87] (WO2021/207801)
[30] AU (2020901217) 2020-04-17

[21] **3,178,809**
[13] A1
[51] **Int.Cl. B66C 13/06 (2006.01)**
[25] EN
[54] **TELESCOPIC STRUT FOR A DEVICE FOR LIFTING LOADS**
[54] **MONTANT TELESCOPIQUE POUR UN DISPOSITIF DESTINE A SOULEVER DES CHARGES**
[72] FREYER, HANS OTTO, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2022-11-14
[86] 2021-05-20 (PCT/EP2021/063405)
[87] (WO2021/234066)
[30] DE (20 2020 002 227.6) 2020-05-20

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[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **CERTAIN CHEMICAL COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS CHIMIQUES PARTICULIERES ET LEURS PROCEDES D'UTILISATION**
[72] KONRADI, ANDREI W., US
[72] HUANG, CHUN-HAO, US
[72] LEE, KO-CHUAN, US
[71] ALGEN BIOTECHNOLOGIES, INC., US
[85] 2022-11-14
[86] 2021-05-14 (PCT/US2021/032495)
[87] (WO2021/231892)
[30] US (63/025,474) 2020-05-15

[21] **3,178,816**
[13] A1
[51] **Int.Cl. A01N 59/00 (2006.01) A01P 1/00 (2006.01) A41D 13/11 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL MATERIAL**
[54] **MATERIAU ANTIMICROBIEN**
[72] PATCHETT, ANDREW, GB
[72] PATCHETT, KIM, GB
[71] PARAVIR LIMITED, GB
[85] 2022-11-14
[86] 2021-05-19 (PCT/GB2021/051203)
[87] (WO2021/234377)
[30] GB (2007392.0) 2020-05-19

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[13] A1
[51] **Int.Cl. A61K 9/22 (2006.01) A61K 31/01 (2006.01) A61K 31/05 (2006.01)**
[25] EN
[54] **CANNABINOID COMPOSITIONS AND DOSAGE FORMS FOR INTRANASAL OR INHALATIONAL DELIVERY**
[54] **COMPOSITIONS CANNABINOIDES ET FORMES POSOLOGIQUES POUR ADMINISTRATION INTRANASALE OU PAR INHALATION**
[72] CAO, CHUANHAI, US
[72] CHANG, PING, US
[71] RHODES TECHNOLOGIES, US
[71] UNIVERSITY OF SOUTH FLORIDA, US
[85] 2022-11-14
[86] 2021-05-26 (PCT/US2021/034156)
[87] (WO2021/242808)
[30] US (63/030,083) 2020-05-26

[21] **3,178,820**
[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01) C12N 5/079 (2010.01) C07K 14/705 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING VISUAL FUNCTION**
[54] **COMPOSITIONS ET PROCEDES D'AMELIORATION DE LA FONCTION VISUELLE**
[72] ISACOFF, EHUD Y., US
[72] BROICHHAGEN, JOHANNES, DE
[72] LEVITZ, JOSHUA T., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V., DE
[71] CORNELL UNIVERSITY, US
[85] 2022-11-14
[86] 2021-05-27 (PCT/US2021/034625)
[87] (WO2021/243086)
[30] US (63/032,241) 2020-05-29

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[13] A1
[51] **Int.Cl. G06F 16/683 (2019.01) G10L 25/54 (2013.01) G10L 15/18 (2013.01) G10L 15/26 (2006.01)**
[25] EN
[54] **TRANSFORMING DATA FROM STREAMING MEDIA**
[54] **TRANSFORMATION DE DONNEES PROVENANT DE SUPPORTS DE DIFFUSION EN CONTINU**
[72] TIISTOLA, JAAKKO HENRIKKI, US
[71] GOOGLE LLC, US
[85] 2022-11-14
[86] 2021-09-24 (PCT/US2021/051864)
[87] (WO2022/093453)
[30] US (63/107,943) 2020-10-30

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[13] A1
[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/06 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **LITHIUM EXTRACTION IN THE PRESENCE OF SCALANTS**
[54] **EXTRACTION DE LITHIUM EN PRESENCE DE SCALANTS**
[72] SNYDACKER, DAVID HENRY, US
[72] INDRANADA, AMOS, US
[72] LUKITO, ALYSIA, US
[71] LILAC SOLUTIONS, INC., US
[85] 2022-11-14
[86] 2021-06-07 (PCT/US2021/036227)
[87] (WO2021/252381)
[30] US (63/036,896) 2020-06-09

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[13] A1
[51] **Int.Cl. G09B 19/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR COMPREHENSIVE PATIENT SCREENING**
[54] **PROCEDES ET SYSTEMES DE DEPISTAGE COMPLET DE PATIENT**
[72] PITTMAN, JAMES, US
[72] FLOTO, ELIZABETH, US
[72] AFARI, NILOOFAR, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2022-11-14
[86] 2021-05-12 (PCT/US2021/031978)
[87] (WO2021/231564)
[30] US (63/023,626) 2020-05-12

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[13] A1
[51] **Int.Cl. G06V 10/98 (2022.01) G06V 40/18 (2022.01)**
[25] EN
[54] **RETINAL IMAGE PROCESSING**
[54] **TRAITEMENT D'IMAGE RETINIENNE**
[72] WAKEFORD, PETER ROBERT, GB
[72] PELLEGRINI, ENRICO, GB
[71] OPTOS PLC, GB
[85] 2022-11-14
[86] 2020-05-14 (PCT/EP2020/063471)
[87] (WO2021/228395)

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[13] A1
[51] **Int.Cl. E21B 7/00 (2006.01) E21B 17/20 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **WIRELESS COMMUNICATIONS WITH DOWNHOLE DEVICES USING COIL HOSE**
[54] **COMMUNICATIONS SANS FIL AVEC DISPOSITIFS DE FOND DE PUITS UTILISANT UN TUYAU HELICOIDAL**
[72] YARD, JAMES ALEXANDER, GB
[71] EXPRO NORTH SEA LIMITED, GB
[85] 2022-11-14
[86] 2021-05-17 (PCT/EP2021/063036)
[87] (WO2021/233850)
[30] GB (2007675.8) 2020-05-22

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[13] A1
[51] **Int.Cl. H01J 49/06 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **ION SOURCE**
[54] **SOURCE D'IONS**
[72] JACKSON, GERALD PETER, US
[71] BEAM ALPHA, INC., US
[85] 2022-11-15
[86] 2021-06-07 (PCT/US2021/036115)
[87] (WO2021/252325)
[30] US (63/036,073) 2020-06-08

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[13] A1
[51] **Int.Cl. G06F 3/0346 (2013.01) G06F 3/0481 (2022.01)**
[25] EN
[54] **INPUT DEVICE**
[54] **DISPOSITIF D'ENTREE**
[72] NOKUO, TAICHI, JP
[72] NISHIKAWA, KENZO, JP
[72] IGARASHI, TAKESHI, JP
[71] SONY INTERACTIVE ENTERTAINMENT INC., JP
[85] 2022-11-15
[86] 2021-02-26 (PCT/JP2021/007459)
[87] (WO2021/240930)
[30] JP (2020-094853) 2020-05-29

[21] **3,178,898**
[13] A1
[51] **Int.Cl. H01J 49/02 (2006.01) H01J 49/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR HIGH-PERFORMANCE CHARGED PARTICLE DETECTION**
[54] **APPAREIL ET PROCEDE DE DETECTION DE PARTICULES CHARGEES A HAUTE PERFORMANCE**
[72] HOANG, HUNG QUANG, LU
[72] WIRTZ, TOM, LU
[72] PURETI, RATHAIAH, LU
[72] BOUTON, OLIVIER, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[85] 2022-11-15
[86] 2021-05-17 (PCT/EP2021/063007)
[87] (WO2021/233833)
[30] LU (LU101794) 2020-05-18

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) A61P 1/16 (2006.01) A61P 9/10 (2006.01) A61P 13/12 (2006.01) A61P 25/28 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **TREM2 CHIMERIC RECEPTOR**
[54] **RECEPTEUR CHIMERIQUE DE TREM2**
[72] MARTINEZ-LLORDELLA, MARC, GB
[72] SANCHEZ-FUEYO, ALBERTO, GB
[72] BORNSCHEIN, SIMON, DE
[71] QUELL THERAPEUTICS LIMITED, GB
[71] KING'S COLLEGE, LONDON, GB
[85] 2022-11-15
[86] 2021-06-11 (PCT/GB2021/051464)
[87] (WO2021/250428)
[30] GB (2008855.5) 2020-06-11
[30] GB (2017263.1) 2020-10-30

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[13] A1
[51] **Int.Cl. F17C 7/04 (2006.01) F15B 1/02 (2006.01) F15B 1/027 (2006.01) F15B 1/04 (2006.01) F15B 1/26 (2006.01)**
[25] EN
[54] **CRYOGENIC NITROGEN SOURCED GAS-DRIVEN PNEUMATIC DEVICES**
[54] **DISPOSITIFS PNEUMATIQUES ENTRAINES PAR UN GAZ ISSU D'AZOTE CRYOGENIQUE**
[72] CLARKE, JASON, CA
[72] POMERLEAU, DANIEL GUY, CA
[71] VLP LAW GROUP, LLP, US
[71] CLARKE, JASON, CA
[71] POMERLEAU, DANIEL GUY, CA
[85] 2022-11-15
[86] 2021-05-26 (PCT/US2021/034320)
[87] (WO2021/242901)
[30] US (63/030,079) 2020-05-26

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[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01) E21B 33/068 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL DEPLOYMENT**
[54] **DEPLOIEMENT D'OUTIL DE FOND DE PUITS**
[72] THOMSON, ALAN, GB
[72] CUNNINGHAM, GORDON, GB
[71] EXPRO NORTH SEA LIMITED, GB
[85] 2022-11-15
[86] 2021-05-21 (PCT/EP2021/063720)
[87] (WO2021/234171)
[30] GB (2007671.7) 2020-05-22

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **INDOOR/OUTDOOR MICRO-DUCT CABLES**
[54] **CABLES A MICRO-CONDUITS POUR INTERIEUR/EXTERIEUR**
[72] SHINOSKI, JARRETT, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2022-11-15
[86] 2021-05-07 (PCT/US2021/031253)
[87] (WO2021/231201)
[30] US (63/025,456) 2020-05-15

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, ENCODING METHOD, DECODING METHOD, APPARATUS, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE, APPAREIL ET DISPOSITIF DE TRANSMISSION, DE CODAGE ET DE DECODAGE DE DONNEES, ET SUPPORT DE STOCKAGE**
[72] HE, XIANG, CN
[72] WANG, XINYUAN, CN
[72] LIN, JUN, CN
[72] WANG, ZHONGFENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-15
[86] 2019-07-15 (PCT/CN2019/096055)
[87] (WO2020/228126)
[30] CN (PCT/CN2019/087058) 2019-05-15

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[51] **Int.Cl. C22B 1/245 (2006.01) C22B 1/24 (2006.01) C22B 5/10 (2006.01)**
[25] EN
[54] **BIOMASS DIRECT REDUCED IRON**
[54] **FER A REDUCTION DIRECTE PAR BIOMASSE**
[72] BUCKLEY, MICHAEL, AU
[71] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
[85] 2022-11-15
[86] 2021-05-25 (PCT/AU2021/050494)
[87] (WO2021/237281)
[30] AU (2020901681) 2020-05-25

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[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **A THERMOPLASTIC COMPOSITION HAVING IMPROVED MECHANICAL PROPERTIES**
[54] **COMPOSITION THERMOPLASTIQUE A PROPRIETES MECANIQUES AMELIOREES**
[72] SCHLAPFER, JEAN-LUC, CH
[72] ROSKAMP, ROBERT, CH
[72] FAH, CHRISTOPH, CH
[72] PFISTERER, HARALD, CH
[72] BUCHER, RAMON, CH
[72] WALLIMANN, HELENA, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2022-11-15
[86] 2021-07-02 (PCT/EP2021/068369)
[87] (WO2022/003170)
[30] EP (20183968.5) 2020-07-03

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[13] A1
[51] **Int.Cl. C23C 4/12 (2016.01) B24C 3/10 (2006.01) E21B 17/20 (2006.01)**
[25] EN
[54] **THERMAL SPRAY METAL COATING FOR COILED SUCKER RODS**
[54] **REVETEMENT METALLIQUE PAR PULVERISATION THERMIQUE POUR TIGES DE POMPAGE SPIRALEES**
[72] PERRI, ALEX, CA
[72] BLAQUIERE, DENIS, CA
[71] PRO-ROD INC., CA
[85] 2022-11-15
[86] 2021-05-28 (PCT/IB2021/054724)
[87] (WO2021/240480)
[30] US (63/032,251) 2020-05-29

[21] **3,178,914**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **DETECTING A CHROMOSOME CONFORMATION AS MARKER FOR FIBROSIS, E.G. SCLERODERMA**
[54] **DETECTION D'UNE CONFORMATION CHROMOSOMIQUE COMME MARQUEUR DE FIBROSE, PAR EXEMPLE UNE SCLERODERMIE**
[72] RAMADASS, AROUL SELVAM, GB
[72] HUNTER, EWAN, GB
[72] AKOULITCHEV, ALEXANDRE, GB
[71] OXFORD BIODYNAMICS PLC, GB
[85] 2022-11-15
[86] 2021-06-02 (PCT/GB2021/051356)
[87] (WO2021/245409)
[30] GB (2008269.9) 2020-06-02

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[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **INTRACELLULAR KINASE ASSOCIATED WITH RESISTANCE AGAINST T-CELL MEDIATED CYTOTOXICITY, AND USES THEREOF**
[54] **KINASE INTRACELLULAIRE ASSOCIEE A UNE RESISTANCE CONTRE LA CYTOTOXICITE MEDIEE PAR LES LYMPHOCYTES T, ET SES UTILISATIONS**
[72] VOLPIN, VALENTINA, DE
[72] BECKHOVE, PHILIPP, DE
[72] SORRENTINO, ANTONIO, DE
[72] BOUTROS, MICHAEL, DE
[72] KHANDELWAL, NISIT, DE
[72] MICHELS, TILLMANN, DE
[72] SENNHENN, PETER, DE
[71] IOMX THERAPEUTICS AG, DE
[85] 2022-11-15
[86] 2021-05-17 (PCT/EP2021/063023)
[87] (WO2021/229105)
[30] EP (20175030.4) 2020-05-15

[21] **3,178,916**
[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **ATTACHMENT ASSEMBLY AND GROUND ENGAGING ASSEMBLY FOR EARTHMOVING EQUIPMENT**
[54] **ENSEMBLE DE FIXATION ET ENSEMBLE DE MISE EN PRISE AVEC LE SOL POUR EQUIPEMENT DE TERRASSEMENT**
[72] THOMSON, ANDREW, AU
[72] MCDONALD, BRUCE, AU
[72] CHAPMAN, KEVIN, AU
[71] WEARFORCE PTY LTD, AU
[85] 2022-11-15
[86] 2021-09-29 (PCT/AU2021/051135)
[87] (WO2022/067383)
[30] AU (2020903512) 2020-09-29
[30] AU (2021221771) 2021-08-25

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[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **ULTRAVIOLET RADIATION DISINFECTION OR SANITIZATION APPARATUS FOR PERSONAL ITEMS, USES AND METHODS THEREOF**
[54] **APPAREIL DE DESINFECTION OU D'ASSAINISSEMENT PAR RAYONNEMENT ULTRAVIOLET POUR ITEMS PERSONNELS, UTILISATIONS ET PROCEDES CORRESPONDANTS**
[72] LEVESQUE, VINCENT, CA
[71] UVBOX INC., CA
[85] 2022-11-15
[86] 2021-05-14 (PCT/CA2021/050665)
[87] (WO2021/226721)
[30] US (63/025,603) 2020-05-15

[21] **3,178,919**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL FOR INHIBITING CDK7**
[54] **COMPOSES UTILES POUR INHIBER CDK7**
[72] FERNANDEZ FIGUEROA, MARIA CARMEN, US
[72] LUMERAS AMADOR, WENCESLAO, US
[72] SANCHEZ-MARTINEZ, CONCEPCION, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-11-15
[86] 2021-05-20 (PCT/US2021/033414)
[87] (WO2021/242602)
[30] EP (20382446.1) 2020-05-27

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[13] A1
[51] **Int.Cl. A62D 3/02 (2007.01) C12N 9/00 (2006.01) C12N 9/14 (2006.01) C12N 9/16 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR FUNGAL INHIBITION USING MINICELL-BASED RNAI**
[54] **COMPOSITIONS ET PROCEDES D'INHIBITION FONGIQUE FAISANT APPEL A UNE INTERFERENCE PAR ARN A BASE DE MINICELLULE**
[72] POURTAHERI, PAYAM, US
[72] SHAKEEL, AMEER HAMZA, US
[72] CHEN, LISA, US
[72] FRANK, JOSEPH, US
[72] ZOMORODI, SEPEHR, US
[71] AGROSPHERES, INC., US
[85] 2022-11-15
[86] 2021-05-19 (PCT/US2021/033208)
[87] (WO2021/236799)
[30] US (63/027,044) 2020-05-19
[30] US (63/039,506) 2020-06-16

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[13] A1
[51] **Int.Cl. A47L 15/00 (2006.01)**
[25] EN
[54] **AUTOMATED CLEANING MACHINE PROCESSING USING SHORTENED CYCLE TIMES**
[54] **TRAITEMENT DE MACHINE DE NETTOYAGE AUTOMATISEE UTILISANT DES TEMPS DE CYCLE RACCOURCIS**
[72] MCGINNESS, RACHEL MARIE, US
[72] BUTWINICK, JONATHAN CHARLES, US
[72] KRAUS, PAUL R., US
[72] ELLINGSON, ALISSA R., US
[72] SMITH, CONOR SYLVESTER, US
[72] CHRISTIAN, PAUL DOMINIC, US
[71] ECOLAB USA INC., US
[85] 2022-11-15
[86] 2021-03-05 (PCT/US2021/021036)
[87] (WO2021/242352)
[30] US (63/031,990) 2020-05-29

[21] **3,178,922**
[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01)**
[25] EN
[54] **A NEGATIVE PRESSURE WOUND THERAPY (NPWT) DRESSING**
[54] **PANSEMENT POUR TRAITEMENT DES PLAIES PAR PRESSION NEGATIVE (NPWT)**
[72] SVENSSON, MALIN, SE
[72] SKEPPSTEDT, VIKTORIA, SE
[72] HOLMEN, MALIN, SE
[72] BOLYOS, ELINOR, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-11-15
[86] 2021-05-24 (PCT/EP2021/063755)
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[30] EP (20176254.9) 2020-05-25

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[13] A1
[51] **Int.Cl. B05B 12/04 (2006.01) B05B 13/04 (2006.01) D21F 1/32 (2006.01) D21F 7/00 (2006.01)**
[25] EN
[54] **CHEMICAL SOLUTION SPRAYING METHOD**
[54] **PROCEDE DE PULVERISATION DE SOLUTION CHIMIQUE**
[72] SEKIYA, HIROSHI, JP
[72] NAGATSUKA, TOMOHIKO, JP
[72] YUSA, KAZUYUJKI, JP
[72] SUGA, AYANO, JP
[71] MAINTECH CO., LTD., JP
[85] 2022-11-15
[86] 2021-05-17 (PCT/JP2021/018573)
[87] (WO2021/235381)
[30] JP (2020-086742) 2020-05-18

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **MOBILE NEGATIVE PRESSURE WOUND THERAPY DEVICE WITH REDUCED PUMP NOISE**
[54] **DISPOSITIF DE THERAPIE DE PLAIE PAR PRESSION NEGATIVE MOBILE AVEC REDUCTION DE BRUIT DE POMPE**
[72] FLACH, NICLAS, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-11-15
[86] 2021-05-24 (PCT/EP2021/063749)
[87] (WO2021/239654)
[30] EP (20176280.4) 2020-05-25

[21] **3,178,927**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BELVARAFENIB FOR USE IN CANCER TREATMENT**
[54] **BELVARAFENIB A UTILISER DANS LE TRAITEMENT DU CANCER**
[72] KIM, TAE WON, KR
[72] HONG, YOON-HEE, KR
[72] NOH, YOUNG SU, KR
[72] CHANG, MATTHEW TSN-WEI, US
[72] MALEK, SHIVA, US
[72] YAN, YIBING, US
[72] YEN, IVANA YEN YEN, US
[71] HANMI PHARM. CO., LTD., KR
[71] GENENTECH, INC., US
[85] 2022-11-15
[86] 2021-05-17 (PCT/US2021/032667)
[87] (WO2021/242547)
[30] US (63/030,171) 2020-05-26

[21] **3,178,928**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01)**
[25] EN
[54] **REAL-TIME PROJECTIONS AND ESTIMATED DISTRIBUTIONS OF AGRICULTURAL PESTS, DISEASES, AND BIOCONTROL AGENTS**
[54] **PROJECTIONS EN TEMPS REEL ET DISTRIBUTIONS ESTIMEES D'ORGANISMES NUISIBLES AGRICOLES, DE MALADIES ET D'AGENTS DE LUTTE BIOLOGIQUE**
[72] FUXMAN, ADRIAN M., CA
[72] KIRK, DEVIN G., CA
[72] DE MELO, EDUARDO APARECIDO SEREGUIN CABRAL, CA
[72] STEWART, GREGORY E., CA
[71] ECOATION INNOVATIVE SOLUTIONS INC., CA
[85] 2022-11-15
[86] 2021-03-05 (PCT/CA2021/050292)
[87] (WO2021/237333)
[30] US (16/883,354) 2020-05-26

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[13] A1
[51] **Int.Cl. G03B 17/56 (2021.01) H04N 5/77 (2006.01)**
[25] EN
[54] **FLEXIBLE RECORDING SYSTEMS AND BODY-WORN BATTERIES**
[54] **SYSTEMES D'ENREGISTREMENT FLEXIBLES ET BATTERIES PORTEES PAR LE CORPS**
[72] ALAKARHU, JUHA, US
[72] EASTWOOD, MARK J., US
[72] MESRI, DAVID, US
[72] SMITH, PATRICK W., US
[72] GILMOUR, NICHOLAS R., US
[72] HARTFORD, JASON, US
[71] AXON ENTERPRISE, INC., US
[85] 2022-11-15
[86] 2021-05-17 (PCT/US2021/032813)
[87] (WO2021/232021)
[30] US (63/025,952) 2020-05-15

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[51] **Int.Cl. A47J 37/06 (2006.01) A47J 37/07 (2006.01) F21S 9/02 (2006.01) F21V 5/04 (2006.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **HANDLE-INTEGRATED COOKING SURFACE LIGHTING FOR LIDS OF GRILLS**
[54] **ECLAIRAGE DE SURFACE DE CUISSON INTEGRE A UNE POIGNEE POUR COUVERCLES DE GRILS**
[72] MASEK, DOUGLAS W., US
[72] NANOS, NICHOLAS M. JR., US
[72] CROWELL, CHRIS, US
[72] D?AMBROSIO, MARK, US
[72] KECLIK, JAMES, US
[72] SCHNELL JR., THOMAS J., US
[72] BERLAND, KERRY S., US
[72] GRAEF, MICHAEL A., US
[72] MELLAS, NATHAN, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-11-15
[86] 2021-10-08 (PCT/US2021/054222)
[87] (WO2022/119639)
[30] US (63/120,530) 2020-12-02
[30] US (63/203,656) 2021-07-27
[30] US (17/472,254) 2021-09-10

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[13] A1
[51] **Int.Cl. B05B 13/04 (2006.01) B05D 1/02 (2006.01) B05D 1/28 (2006.01) B05D 7/00 (2006.01) D21F 1/32 (2006.01) D21F 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR SPRAYING CHEMICAL SOLUTION**
[54] **PROCEDE DE PULVERISATION D'UNE SOLUTION CHIMIQUE**
[72] SEKIYA, HIROSHI, JP
[72] NAGATSUKA, TOMOHIKO, JP
[72] YUSA, KAZUYUJKI, JP
[72] SUGA, AYANO, JP
[71] MAINTECH CO., LTD., JP
[85] 2022-11-15
[86] 2021-05-17 (PCT/JP2021/018574)
[87] (WO2021/235382)
[30] JP (2020-086744) 2020-05-18

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[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **ADJUSTABLE WARMING RACKS FOR COOKBOXES OF GRILLS**
[54] **GRILLES DE CHAUFFAGE REGLABLES POUR COMPARTIMENTS DE CUISSON DE GRILS**
[72] MASEK, DOUGLAS W., US
[72] KECLIK, JAMES, US
[72] GRAEF, MICHAEL A., US
[72] MATTHEWS, BRIAN, US
[72] MELLAS, NATHAN, US
[72] NANOS JR., NICHOLAS N., US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-11-15
[86] 2021-10-08 (PCT/US2021/054226)
[87] (WO2022/119640)
[30] US (63/120,535) 2020-12-02
[30] US (63/203,923) 2021-08-04
[30] US (17/472,271) 2021-09-10

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[13] A1
[51] **Int.Cl. A01N 37/18 (2006.01) A01N 63/50 (2020.01) A01N 37/30 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/713 (2006.01) A01N 43/72 (2006.01) A01N 47/24 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-15
[86] 2021-06-01 (PCT/EP2021/064710)
[87] (WO2021/245100)
[30] EP (20178364.4) 2020-06-04

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[13] A1
[51] **Int.Cl. E03C 1/04 (2006.01)**
[25] EN
[54] **FAUCET HAVING A PLURALITY OF SPRAY PATTERNS**
[54] **ROBINET A PLUSIEURS SCHEMAS DE PULVERISATION**
[72] TRACY, ADAM WILLIAM, US
[72] KIM, ANDY EJUNG, US
[71] SPECTRUM BRANDS, INC., US
[85] 2022-11-15
[86] 2021-05-11 (PCT/US2021/031818)
[87] (WO2021/231458)
[30] US (63/025,386) 2020-05-15

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **COMMUNICATING BETWEEN NETWORK NODES VIA MULTIPLE CELLS**
[54] **COMMUNICATION ENTRE DES N?UDS RESEAU PAR L'INTERMEDIAIRE DE MULTIPLES CELLULES**
[72] WU, CHIH-HSIANG, US
[71] GOOGLE LLC, US
[85] 2022-11-15
[86] 2021-05-14 (PCT/US2021/032467)
[87] (WO2021/231876)
[30] US (63/025,989) 2020-05-15

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[13] A1
[51] **Int.Cl. B60P 5/00 (2006.01) B60W 40/09 (2012.01) B60R 25/10 (2013.01) B60T 8/18 (2006.01) G01B 7/16 (2006.01) G01G 19/00 (2006.01)**
[25] EN
[54] **INDIRECT WEIGHT MEASUREMENT SYSTEMS AND PROCESSES**
[54] **SYSTEMES ET PROCEDES DE MESURE INDIRECTE DE POIDS**
[72] SPENCER, THOMAS LEE, US
[72] CLARK, WILLIAM ADAMS JR., US
[72] LUCAS, MARK STEPHEN, US
[72] BRENNER, JAY ROBERT, US
[71] WASTEWIZER, LLC, US
[85] 2022-11-15
[86] 2021-05-14 (PCT/US2021/032572)
[87] (WO2021/231940)
[30] US (62/704,551) 2020-05-15

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 35/28 (2015.01) C07K 14/54 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF INFLAMMATORY DISORDERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLES INFLAMMATOIRES**
[72] SACKSTEIN, ROBERT, US
[71] SACKSTEIN, ROBERT, US
[85] 2022-11-15
[86] 2021-05-18 (PCT/US2021/032859)
[87] (WO2021/236564)
[30] US (63/026,629) 2020-05-18

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1486 (2006.01) C12Q 1/00 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **ANALYTE SENSOR AND A METHOD FOR PRODUCING AN ANALYTE SENSOR**
[54] **CAPTEUR D'ANALYTE ET PROCEDE DE FABRICATION D'UN CAPTEUR D'ANALYTE**
[72] HOCHMUTH, GERNOT, DE
[72] STECK, ALEXANDER, DE
[72] SLIOZBERG, KYRYLO, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-11-15
[86] 2021-06-21 (PCT/EP2021/066854)
[87] (WO2021/259865)
[30] EP (20181542.0) 2020-06-23

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[13] A1
[51] **Int.Cl. G01N 27/62 (2021.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR TRAPPING AND ACCUMULATION OF IONS**
[54] **PROCEDES ET APPAREIL DE PIEGEAGE ET D'ACCUMULATION D'IONS**
[72] DEBORD, JOHN DANIEL, US
[72] DENG, LIULIN, US
[72] ANDERSON, GORDON A., US
[71] MOBILION SYSTEMS, INC., US
[85] 2022-11-15
[86] 2021-05-21 (PCT/US2021/033670)
[87] (WO2021/237101)
[30] US (63/028,768) 2020-05-22

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **AEROBIC FERMENTATION SYSTEMS AND METHODS OF USING THE SAME**
[54] **SYSTEMES DE FERMENTATION AEROBIE ET LEURS PROCEDES D'UTILISATION**
[72] LOCASCIO, MICHAEL, US
[71] ARBELA LABORATORIES, INC., US
[85] 2022-11-15
[86] 2021-05-20 (PCT/US2021/033479)
[87] (WO2021/236972)
[30] US (63/028,167) 2020-05-21

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[13] A1
[51] **Int.Cl. F42C 19/07 (2006.01) F42C 1/10 (2006.01) G01L 7/08 (2006.01)**
[25] EN
[54] **DYNAMIC HARDENED TARGET LAYER AND VOID DETECTOR SENSOR FOR USE WITH A WARHEAD OR PROJECTILE PENETRATOR**
[54] **CAPTEUR DE DETECTION DYNAMIQUE DE COUCHES CIBLES DURDIES ET DE VIDES, DESTINE A ETRE UTILISE AVEC UNE CHARGE MILITAIRE OU UN PENETRATEUR A PROJECTILE**
[72] AGER, SCOTT ALAN, US
[71] INSTRUMENTATION AND ENGINEERING SERVICES, INC., US
[85] 2022-11-15
[86] 2021-05-18 (PCT/US2021/032903)
[87] (WO2022/031341)
[30] US (63/026,211) 2020-05-18

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[13] A1
[51] **Int.Cl. A47B 61/02 (2006.01) A47B 88/42 (2017.01)**
[25] EN
[54] **HANGING STORAGE ENCLOSURE**
[54] **ENCEINTE DE STOCKAGE SUSPENDUE**
[72] MARKET, JASON A., US
[72] STEC MARKET, ELIZABETH B., US
[71] CIPO, CA
[71] MARKET, JASON A., US
[71] STEC MARKET, ELIZABETH B., US
[85] 2022-11-15
[86] 2021-03-10 (PCT/US2021/021651)
[87] (WO2021/230958)
[30] US (16/875,389) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 35/30 (2015.01) A61P 27/02 (2006.01)**
[25] EN
[54] **RETINAL PIGMENTED EPITHELIUM AND PHOTORECEPTOR DUAL CELL AGGREGATES AND METHODS OF USE THEREOF**
[54] **AGREGATS CELLULAIRES DOUBLES DE PHOTORECEPTEURS ET D'EPITHELIUM PIGMENTE RETINIEN ET LEURS PROCEDES D'UTILISATION**
[72] DIAS, ANDREW, US
[72] BERNDT, ERICH, US
[72] CHASE, LUCAS, US
[71] CELLULAR DYNAMICS INTERNATIONAL, INC., US
[85] 2022-11-15
[86] 2021-05-28 (PCT/US2021/034930)
[87] (WO2021/243256)
[30] US (63/032,368) 2020-05-29

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[51] **Int.Cl. A23B 7/154 (2006.01) A23B 7/16 (2006.01)**
[25] FR
[54] **NOVEL METHOD FOR TREATING FRUITS AND VEGETABLES**
[54] **NOUVEAU PROCEDE DE TRAITEMENT DES FRUITS ET LEGUMES**
[72] SARDO, ALBERTO, FR
[71] XEDA INTERNATIONAL, FR
[85] 2022-11-15
[86] 2021-05-18 (PCT/EP2021/063114)
[87] (WO2021/233900)
[30] FR (FR2005027) 2020-05-19

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[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **T CELL, PREPARATION METHOD FOR SAME, AND APPLICATIONS THEREOF**
[54] **LYMPHOCYTE T, PROCEDE DE PREPARATION DE CE DERNIER ET SES APPLICATIONS**
[72] SHI, YAN, CN
[72] MENG, JUNCHEN, CN
[72] WANG, XIAOBO, CN
[72] GENG, SHUANG, CN
[71] BENETHERA (BEIJING) BIOTECHNOLOGY CO., LTD., CN
[85] 2022-11-15
[86] 2020-05-15 (PCT/CN2020/090639)
[87] (WO2021/227056)

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 40/35 (2020.01) G06Q 30/015 (2023.01) H04M 3/523 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR INTENT MESSAGING**
[54] **SYSTEMES ET PROCEDE POUR MESSAGERIE D'INTENTION**
[72] SALTER, JEFFREY, US
[72] KEDMI, AVI, US
[71] LIVEPERSON, INC., US
[85] 2022-11-15
[86] 2021-06-02 (PCT/US2021/035380)
[87] (WO2021/247655)
[30] US (63/033,529) 2020-06-02

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING NEUROMYELITIS OPTICA SPECTRUM DISORDER**
[54] **METHODES DE TRAITEMENT D'UN TROUBLE DU SPECTRE DE LA NEUROMYELITE OPTIQUE**
[72] REES, WILLIAM, US
[72] KATZ, ELIEZER, US
[72] SMITH, MICHAEL, US
[72] MITTEREDER, NANETTE, US
[71] VIELA BIO, INC., US
[85] 2022-11-15
[86] 2021-06-30 (PCT/US2021/039911)
[87] (WO2022/006283)
[30] US (63/046,133) 2020-06-30
[30] US (63/052,093) 2020-07-15
[30] US (63/071,092) 2020-08-27

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[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-15
[86] 2021-06-01 (PCT/EP2021/064712)
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[13] A1
[51] **Int.Cl. H02J 7/02 (2016.01) H02J 9/06 (2006.01)**
[25] EN
[54] **BACKUP POWER SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION ELECTRIQUE DE SECOURS**
[72] TAMAKI, KATSUHIKO, JP
[71] FDK CORPORATION, JP
[85] 2022-11-15
[86] 2021-04-30 (PCT/JP2021/017150)
[87] (WO2021/241136)
[30] JP (2020-091527) 2020-05-26

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[25] EN
[54] **CARTRIDGE FOR PROVIDING A LIQUID PRODUCT, A SYSTEM FOR THE PROVIDING A LIQUID PRODUCT AND A METHOD USING SAID SYSTEM**
[54] **CARTOUCHE POUR FOURNIR UN PRODUIT LIQUIDE, SYSTEME POUR LA FOURNITURE D'UN PRODUIT LIQUIDE ET PROCEDE EMPLOYANT LEDIT SYSTEME**
[72] VAN DE SLUIS, JASPER JACOBUS, NL
[72] BOTH, MATTHEUS PIETER, NL
[71] APIQE HOLDINGS, LLC, US
[85] 2022-11-15
[86] 2021-05-18 (PCT/EP2021/063179)
[87] (WO2021/233931)
[30] NL (2025604) 2020-05-18

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[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4738 (2006.01) A61K 31/5365 (2006.01) A61P 9/10 (2006.01) A61P 11/06 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07D 217/02 (2006.01) C07D 217/24 (2006.01) C07D 413/04 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 487/14 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **N-(PHENYLAMINOCARBONYL) TETRAHYDRO-ISOQUINOLINES AND RELATED COMPOUNDS AS MODULATORS OF GPR65**
[54] **N-(PHENYLAMINOCARBONYL)TETRAHYDRO-ISOQUINOLINES ET COMPOSES APPARENTES UTILISES COMME MODULATEURS DE GPR65**
[72] MCCARTHY, TOM, GB
[72] MILNE, GAVIN, GB
[72] MOECHEL, TOBIAS, GB
[72] NAYLOR, ALAN, GB
[71] PATHIOS THERAPEUTICS LIMITED, GB
[85] 2022-11-15
[86] 2021-06-04 (PCT/GB2021/051396)
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[30] GB (2008526.2) 2020-06-05
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[54] **MICROBIOCIDAL DERIVATIVES**
[54] **DERIVES MICROBIOCIDES**
[72] EDMUNDS, ANDREW, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-15
[86] 2021-05-27 (PCT/EP2021/064263)
[87] (WO2021/244952)
[30] EP (20178038.4) 2020-06-03

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **MOBILE NEGATIVE PRESSURE WOUND THERAPY DEVICE CONFIGURED FOR START-UP TEST**
[54] **DISPOSITIF DE THERAPIE DE PLAIE PAR PRESSION NEGATIVE MOBILE CONCU POUR UN TEST DE DEMARRAGE**
[72] ROUX, ALAIN, SE
[72] HERMANSSON, ANDERS, SE
[72] KIDBORG, STEFAN, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-11-15
[86] 2021-05-24 (PCT/EP2021/063752)
[87] (WO2021/239657)
[30] EP (20176285.3) 2020-05-25

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[13] A1
[51] **Int.Cl. C01G 53/00 (2006.01) H01M 4/525 (2010.01) H01M 4/36 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING POSITIVE ELECTRODE ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY**
[54] **METHODE DE PRODUCTION DE MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE A ELECTROLYTE NON AQUEUX**
[72] OYAMA, MASATAKA, JP
[72] MASUKUNI, HIROAKI, JP
[72] IMAHASHI, TAIKI, JP
[72] MORITA, DAISUKE, JP
[72] NAKANISHI, TAKAHIRO, JP
[72] KOGA, KAZUMICHI, JP
[71] BASF TODA BATTERY MATERIALS LLC, JP
[85] 2022-11-15
[86] 2021-05-19 (PCT/JP2021/018928)
[87] (WO2021/235470)
[30] JP (2020-089794) 2020-05-22

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[51] **Int.Cl. G05D 27/02 (2006.01)**
[25] EN
[54] **POSITIVE AND NEGATIVE PRESSURE SYSTEM AND OPERATION METHOD THEREFOR, AND POSITIVE AND NEGATIVE PRESSURE ELECTRICAL APPLIANCE USING POSITIVE AND NEGATIVE PRESSURE SYSTEM**
[54] **SYSTEME DE PRESSION POSITIVE ET NEGATIVE ET SON PROCEDE DE FONCTIONNEMENT ET APPAREIL ELECTRIQUE A PRESSION POSITIVE ET NEGATIVE L'UTILISANT**
[72] ZHENG, BOANG, CN
[71] ZHENG, BOANG, CN
[85] 2022-11-15
[86] 2021-03-09 (PCT/CN2021/079845)
[87] (WO2021/227625)
[30] CN (202010414268.5) 2020-05-15

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[13] A1
[51] **Int.Cl. C12Q 1/689 (2018.01)**
[25] EN
[54] **BACTERIAL BIOMARKER**
[54] **BIOMARQUEUR BACTERIEN**
[72] ROBINSON, MATTHEW, GB
[72] LAWLEY, TREVOR, GB
[72] ROMANOS, MICHAEL, GB
[72] VERVIER, KEVIN, GB
[72] HARRIS, SIMON, GB
[71] MICROBIOTICA LIMITED, GB
[85] 2022-11-15
[86] 2021-05-19 (PCT/GB2021/051208)
[87] (WO2021/234382)
[30] GB (2007452.2) 2020-05-19

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[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01)**
[25] EN
[54] **A NEGATIVE PRESSURE WOUND THERAPY (NPWT) DRESSING**
[54] **PANSEMENT POUR THERAPIE DE PLAIE PAR PRESSION NEGATIVE (NPWT)**
[72] SVENSSON, MALIN, SE
[72] SKEPPSTEDT, VIKTORIA, SE
[72] HOLMEN, MALIN, SE
[72] BOLYOS, ELINOR, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-11-15
[86] 2021-05-24 (PCT/EP2021/063756)
[87] (WO2021/239661)
[30] EP (20176287.9) 2020-05-25

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[13] A1
[51] **Int.Cl. A61K 31/688 (2006.01) A61K 31/7032 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **TREATMENT OF KNOWN AND UNKNOWN VIRAL INFECTION WITH LIPID AGENTS**
[54] **TRAITEMENT D'UNE INFECTION VIRALE CONNUE ET INCONNUE AVEC DES AGENTS LIPIDIQUES**
[72] BOND, JASON R., US
[71] VIRATIDES, LLC, US
[85] 2022-11-15
[86] 2021-05-12 (PCT/US2021/031960)
[87] (WO2021/236389)
[30] US (63/026,004) 2020-05-16
[30] US (63/150,651) 2021-02-18
[30] US (63/152,075) 2021-02-22
[30] US (63/159,844) 2021-03-11
[30] US (63/164,074) 2021-03-22
[30] US (63/181,730) 2021-04-29
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[51] **Int.Cl. B42D 25/36 (2014.01) B42D 25/324 (2014.01) B42D 25/346 (2014.01) B42D 25/425 (2014.01) B42D 25/455 (2014.01) B42D 25/46 (2014.01)**
[25] EN
[54] **METHOD OF APPLYING A PATTERN, AND SECURITY DEVICE FOR AN ARTICLE**
[54] **PROCEDE D'APPLICATION D'UN MOTIF, ET DISPOSITIF DE SECURITE POUR UN ARTICLE**
[72] TRIGGS-RAMM, GRAHAM, GB
[72] HOSSEINI, PEIMAN, GB
[71] E INK CORPORATION, US
[85] 2022-11-15
[86] 2021-05-26 (PCT/GB2021/051278)
[87] (WO2021/245373)
[30] GB (2008165.9) 2020-06-01

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[13] A1
[51] **Int.Cl. A01N 37/18 (2006.01) A01N 63/50 (2020.01) A01N 37/46 (2006.01) A01N 43/36 (2006.01) A01N 43/50 (2006.01) A01N 43/54 (2006.01) A01N 47/38 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-15
[86] 2021-06-01 (PCT/EP2021/064713)
[87] (WO2021/245103)
[30] EP (20178368.5) 2020-06-04

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01)**
[25] EN
[54] **A MOBILE NEGATIVE PRESSURE WOUND THERAPY DEVICE**
[54] **DISPOSITIF MOBILE DE TRAITEMENT DE PLAIE PAR PRESSION NEGATIVE**
[72] ROUX, ALAIN, SE
[72] HERMANSSON, ANDERS, SE
[72] KIDBORG, STEFAN, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2022-11-15
[86] 2021-05-24 (PCT/EP2021/063750)
[87] (WO2021/239655)
[30] EP (20176283.8) 2020-05-25

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[51] **Int.Cl. A61K 31/46 (2006.01) A61P 9/10 (2006.01) A61P 11/06 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07D 451/00 (2006.01) C07D 471/08 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **N-PHENYLAMINOCARBONYL PYRIDINO-, PYRIMIDINO AND BENZO-TROPANES AS MODULATORS OF GPR65**
[54] **N-PHENYLAMINOCARBONYLPYRIDINO-, PYRIMIDINO ET BENZO-TROPANES UTILISES COMME MODULATEURS DE GPR65**
[72] MCCARTHY, TOM, GB
[72] MILNE, GAVIN, GB
[72] MOECHEL, TOBIAS, GB
[72] NAYLOR, ALAN, GB
[72] MILLER, DAVID, GB
[71] PATHIOS THERAPEUTICS LIMITED, GB
[85] 2022-11-15
[86] 2021-06-04 (PCT/GB2021/051397)
[87] (WO2021/245427)
[30] GB (2008531.2) 2020-06-05
[30] GB (2100645.7) 2021-01-18
[30] GB (2105000.0) 2021-04-08

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) C07F 9/38 (2006.01) C07F 9/50 (2006.01)**
[25] EN
[54] **AMPK ACTIVATORS**
[54] **ACTIVATEURS D'AMPK**
[72] SEBHAT, IYASSU, US
[72] HE, SHUWEN, US
[72] WEBER, ANN, US
[72] THORNBERRY, NANCY, US
[72] KRUG, LISA, US
[72] RICHARDS, PAUL, US
[72] LAURING, BRETT, US
[71] KALLYOPE, INC., US
[85] 2022-11-15
[86] 2021-05-18 (PCT/US2021/032933)
[87] (WO2021/236617)
[30] US (63/027,231) 2020-05-19
[30] US (63/111,837) 2020-11-10
[30] US (63/141,169) 2021-01-25

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[13] A1
[51] **Int.Cl. B01J 21/04 (2006.01) B01J 35/02 (2006.01) B01J 35/08 (2006.01) B01J 35/10 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01) C01F 7/02 (2022.01)**
[25] EN
[54] **STABLE SHAPED ALUMINA AND METHOD FOR PRODUCING SAME**
[54] **ALUMINE FORMEE STABLE ET SON PROCEDE DE PRODUCTION**
[72] BRASCH, ANDREA, DE
[72] SIEGEL, ANGELA, DE
[72] HOLZMANN, YANICK, DE
[72] HOWE, STEFAN, DE
[71] SASOL GERMANY GMBH, DE
[85] 2022-11-15
[86] 2021-05-26 (PCT/EP2021/064116)
[87] (WO2021/239846)
[30] EP (20176653.2) 2020-05-26

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[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **DETERMINING DRUG EFFECTS USING COMBINATION OF MEASUREMENTS**
[54] **DETERMINATION DES EFFETS D'UN MEDICAMENT A L'AIDE D'UNE COMBINAISON DE MESURES**
[72] TVEITO, ASLAK, US
[72] JAEGER, KAROLINE HORGMO, US
[72] WALL, SAMUEL, US
[71] ORGANOS, INC., US
[85] 2022-11-15
[86] 2021-05-17 (PCT/US2021/032799)
[87] (WO2021/236535)
[30] US (63/026,400) 2020-05-18

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 7/00 (2006.01)**
[25] EN
[54] **DERIVING INSIGHTS INTO HEALTH THROUGH ANALYSIS OF AUDIO DATA GENERATED BY DIGITAL STETHOSCOPES**
[54] **DEDUCTION D'APERCUS DE LA SANTE PAR ANALYSE DE DONNEES AUDIO GENEREES PAR DES STETHOSCOPES NUMERIQUES**
[72] CHENG, YUAN REN, TW
[72] HSU, FUSHUN, TW
[72] HUANG, JI-DE, TW
[72] HUANG, SHANG-RAN, TW
[71] HEROIC-FAITH MEDICAL SCIENCE CO., LTD., KY
[85] 2022-11-15
[86] 2021-05-14 (PCT/US2021/032595)
[87] (WO2021/231958)
[30] US (63/025,395) 2020-05-15

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[13] A1
[51] **Int.Cl. C08H 1/06 (2006.01) C08L 89/06 (2006.01)**
[25] EN
[54] **LOW ENDOTOXIN GELATIN-(METH)ACRYLOYL**
[54] **GELATINE-(METH)ACRYLOYLE A FAIBLE TENEUR EN ENDOTOXINES**
[72] VERGAUWEN, BJORN, BE
[72] DE CLERCK, ELKE, BE
[71] ROUSSELOT BVBA, BE
[85] 2022-11-15
[86] 2021-05-19 (PCT/EP2021/063257)
[87] (WO2021/233981)
[30] BE (BE2020/5347) 2020-05-19

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[13] A1
[51] **Int.Cl. G02F 1/35 (2006.01) H04B 10/70 (2013.01) G06N 10/00 (2022.01)**
[25] EN
[54] **MICROWAVE-TO-OPTICAL PHOTON TRANSDUCER**
[54] **TRANSDUCTEUR HYPERFREQUENCE/OPTIQUE A PHOTONS**
[72] ANDERSON, MITCHELL, CH
[72] JAVERZAC-GALY, CLEMENT, CH
[72] FEOFANOV, OLEXIY, CH
[71] MIRAEX SA, CH
[85] 2022-11-15
[86] 2021-05-07 (PCT/IB2021/053887)
[87] (WO2021/229389)
[30] EP (20174866.2) 2020-05-15

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[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) C12N 15/113 (2010.01) A61K 9/19 (2006.01) A61K 31/713 (2006.01) A61K 48/00 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **DOUBLE-STRANDED OLIGONUCLEOTIDE AND COMPOSITION FOR TREATING COVID-19 CONTAINING SAME**
[54]
[72] PARK, HAN-OH, KR
[72] KIM, JANGSEON, KR
[72] LEE, MI SUN, KR
[72] CHOI, SOONJA, KR
[72] LEE, EUN-KWANG, KR
[72] BYUN, SANG JIN, KR
[71] BIONEER CORPORATION, KR
[71] SIRNAGEN THERAPEUTICS CORPORATION, KR
[85] 2022-11-16
[86] 2021-05-21 (PCT/IB2021/054404)
[87] (WO2021/234647)
[30] KR (10-2020-0061828) 2020-05-22

[21] **3,179,029**
[13] A1
[51] **Int.Cl. E06B 3/66 (2006.01)**
[25] EN
[54] **INSULATING GLAZING UNIT AND GLAZING**
[54] **VITRAGE ISOLANT ET VITRAGE**
[72] EFFERTZ, CHRISTIAN, DE
[72] DROGE, ALICIA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-11-16
[86] 2021-09-06 (PCT/EP2021/074449)
[87] (WO2022/053423)
[30] EP (20195897.2) 2020-09-14

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[13] A1
[51] **Int.Cl. C01B 33/06 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **SILICIDE-BASED ALLOY MATERIAL AND DEVICE IN WHICH THE SILICIDE-BASED ALLOY MATERIAL IS USED**
[54] **MATERIAU D'ALLIAGE DE SILICIURE ET ELEMENT DANS LEQUEL CELUI-CI EST UTILISE**
[72] AKIIKE, RYO, JP
[72] KODA, YOICHIRO, JP
[72] MESUDA, MASAMI, JP
[71] TOSOH CORPORATION, JP
[85] 2022-11-16
[86] 2021-05-17 (PCT/JP2021/018519)
[87] (WO2021/235371)
[30] JP (2020-087267) 2020-05-19
[30] JP (2020-212092) 2020-12-22

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) H04B 1/00 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE RADIO FREQUENCY TRANSCEIVER AND METHODS OF USE THEREOF**
[54] **EMETTEUR-RECEPTEUR RADIOFREQUENCE DE DISPOSITIF MEDICAL ET SES PROCEDES D'UTILISATION**
[72] BOHORQUEZ, JOSE, US
[72] FOUSTOK, MOHAMAD, US
[72] WEIBLEY, NATHAN, US
[71] RENOVIA INC., US
[85] 2022-11-16
[86] 2021-05-19 (PCT/US2021/033155)
[87] (WO2021/236768)
[30] US (63/027,162) 2020-05-19

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[13] A1
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[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-16
[86] 2021-06-01 (PCT/EP2021/064715)
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[25] FR
[54] **CONNECTED LOCK SYSTEM**
[54] **SYSTEME DE SERRURE CONNECTEE**
[72] GAUBERT, BERNARD, FR
[71] FRIGG HOME SLLC, BG
[85] 2022-11-16
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[51] **Int.Cl. C07H 21/00 (2006.01) C12N 15/113 (2010.01) C12N 15/11 (2006.01)**
[25] EN
[54] **DOUBLE STRANDED OLIGONUCLEOTIDE COMPOSITIONS AND METHODS RELATING THERETO**
[54] **COMPOSITIONS D'OLIGONUCLEOTIDES A DOUBLE BRIN ET METHODES ASSOCIEES**
[72] VARGEESE, CHANDRA, US
[72] IWAMOTO, NAOKI, US
[72] APPONI, LUCIANO H., US
[72] BUTLER, DAVID CHARLES DONNELL, US
[72] KANDASAMY, PACHAMUTHU, US
[72] MARAPPAN, SUBRAMANIAN, US
[72] TRIPATHI, SNEHLATA, US
[72] LIU, WEI, US
[72] BEDEKAR, MUGDHA, US
[72] VATHIPADIEKAL, VINOD, US
[71] WAVE LIFE SCIENCES LTD., SG
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[25] EN
[54] **CONTROL OF NOBLE GAS BUBBLE FORMATION IN A MOLTEN SALT REACTOR**
[54] **REGULATION DE LA FORMATION DE BULLES DE GAZ NOBLES DANS UN REACTEUR A SEL FONDU**
[72] SCOTT, IAN RICHARD, GB
[72] GODFREY, LUKE, GB
[71] SCOTT, IAN RICHARD, GB
[85] 2022-11-16
[86] 2021-05-19 (PCT/EP2021/063373)
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[51] **Int.Cl. C09K 5/10 (2006.01)**
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[54] **HEAT TRANSFER FLUID**
[54] **FLUIDE DE TRANSFERT DE CHALEUR**
[72] WIKLUND, PER, SE
[71] BIOBASE SWEDEN AB, SE
[85] 2022-11-16
[86] 2021-05-14 (PCT/SE2021/050462)
[87] (WO2021/235994)
[30] SE (2050574-9) 2020-05-17

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[51] **Int.Cl. A23P 10/10 (2016.01) A47G 21/18 (2006.01)**
[25] EN
[54] **DRINKING STRAW WITH INTERNAL COATING**
[54] **PAILLE POUR BOIRE A REVETEMENT INTERNE**
[72] PALAZZI, KENDALL NORMAN, US
[71] UNISTRAW CORP., US
[85] 2022-11-16
[86] 2021-05-28 (PCT/EP2021/064420)
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[25] EN
[54] **COLLAGEN 1 TRANSLATION INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE TRADUCTION DU COLLAGENE 1 ET LEURS PROCEDES D'UTILISATION**
[72] SHEPPARD, DAVID WILLIAM, IL
[72] TIERNEY, JASON PAUL, IL
[72] MANDABI, AVIAD, IL
[72] SCHMIDT, WOLFGANG, GB
[72] LEVANTO, STEFANO, GB
[72] HAMBLIN, JULIE NICOLE, GB
[72] BULL, RICHARD JAMES, GB
[72] ALROY, IRIS, IL
[72] MANSOUR, WISSAM, IL
[72] KLEPFISH, MOTY, IL
[72] WANG, YAODE, CN
[72] LI, HAITANG, CN
[71] ANIMA BIOTECH INC., US
[85] 2022-11-16
[86] 2021-06-09 (PCT/US2021/036505)
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[51] **Int.Cl. A61H 9/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD, AND DEVICE UTILIZING REVERSIBLE CONNECTOR**
[54] **SYSTEME, PROCEDE ET DISPOSITIF UTILISANT UN RACCORD REVERSIBLE**
[72] CHIGA, BRADLEY, US
[72] PATEL, VINIT, US
[72] SHALTIS, PHILIP, US
[71] KPR U.S., LLC, US
[85] 2022-11-16
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[25] EN
[54] **MACHINE LEARNING SYSTEMS AND METHODS FOR MULTISCALE ALZHEIMER'S DEMENTIA RECOGNITION THROUGH SPONTANEOUS SPEECH**
[54] **SYSTEMES ET PROCEDES D'APPRENTISSAGE AUTOMATIQUE POUR RECONNAITRE LA MALADIE D'ALZHEIMER A ECHELLES MULTIPLES PAR L'INTERMEDIAIRE DE LA PAROLE SPONTANEE**
[72] EDWARDS, ERIK, US
[72] DOGNIN, CHARLES, US
[72] BOLLEPALLI, BAJIBABU, IN
[72] SINGH, MANEESH KUMAR, US
[71] INSURANCE SERVICES OFFICE, INC., US
[85] 2022-11-16
[86] 2021-05-17 (PCT/US2021/032775)
[87] (WO2021/236524)
[30] US (63/026,032) 2020-05-16

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[51] **Int.Cl. C12N 15/113 (2010.01) A61P 31/14 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING SARS-COV-2 INFECTION USING PEPTIDE NUCLEIC ACID-BASED AGENTS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE L'INFECTION PROVOQUEE PAR LE SARS-COV-2 AU MOYEN D'AGENTS A BASE D'ACIDES NUCLEIQUES PEPTIDIQUES**
[72] ROSS, ARTHUR J., US
[72] ROSENWALD, LINDSAY, US
[71] ONCOGENUITY, INC., US
[85] 2022-11-16
[86] 2021-05-17 (PCT/US2021/032790)
[87] (WO2021/236532)
[30] US (63/026,601) 2020-05-18

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[13] A1
[51] **Int.Cl. G01N 17/02 (2006.01) C23F 13/02 (2006.01)**
[25] EN
[54] **SURFACE CORROSION MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE CORROSION DE SURFACE**
[72] HARRISON, GILES, AU
[71] WISEGROW INVESTMENTS PTY LTD, AU
[85] 2022-11-16
[86] 2021-05-25 (PCT/AU2021/050489)
[87] (WO2021/237277)
[30] AU (2020901766) 2020-05-29

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[51] **Int.Cl. E05C 1/04 (2006.01)**
[25] FR
[54] **DEVICE FOR LOCKING A DOOR**
[54] **DISPOSITIF DE VERROUILLAGE D'UNE PORTE**
[72] AUDIRAC, LIONEL, FR
[71] AUDIRAC, LIONEL, FR
[85] 2022-11-16
[86] 2021-05-20 (PCT/EP2021/063442)
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[51] **Int.Cl. A63G 31/00 (2006.01) A63H 33/00 (2006.01) A63H 33/04 (2006.01) E04B 1/344 (2006.01) E04C 2/38 (2006.01)**
[25] EN
[54] **FOLDING CLIMBER**
[54] **STRUCTURE POUR GRIMPER PLIABLE**
[72] YOUNG, MATTHEW, US
[72] KENAGY, KYLE, US
[72] OSTERGAARD, COLLIN, US
[72] SWAN, JACOB, US
[71] RADIO FLYER INC., US
[85] 2022-11-16
[86] 2021-06-16 (PCT/US2021/037665)
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[30] US (63/039,661) 2020-06-16

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[51] **Int.Cl. G01N 33/497 (2006.01) G16H 50/20 (2018.01) G01N 30/02 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE PREGNANCY STATE OF AN ANIMAL**
[54] **PROCEDE DE DETERMINATION DE L'ETAT DE GROSSESSE D'UN ANIMAL**
[72] DARLINGTON, BRONWYN, AU
[71] AGSCENT PTY LTD, AU
[85] 2022-11-16
[86] 2021-05-20 (PCT/AU2021/050481)
[87] (WO2021/232110)
[30] AU (2020901611) 2020-05-20

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[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **INTERNALLY ILLUMINATED BIOREACTOR**
[54] **BIOREACTEUR A ECLAIRAGE INTERNE**
[72] PERETTI, KENNETH PAUL, US
[72] SHAW, TIMOTHY LEE, US
[71] BRIGHTWAVE PARTNERS, LLC, US
[85] 2022-11-16
[86] 2021-05-21 (PCT/US2021/033540)
[87] (WO2021/237015)
[30] US (63/028,705) 2020-05-22
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[51] **Int.Cl. A61K 47/69 (2017.01) A61K 47/54 (2017.01) A61K 47/55 (2017.01) A61K 47/62 (2017.01)**
[25] EN
[54] **UNIVERSAL MULTI-FUNCTIONAL GSH-RESPONSIVE SILICA NANOPARTICLES FOR DELIVERY OF BIOMOLECULES INTO CELLS**
[54] **NANOPARTICULES UNIVERSELLES MULTIFONCTIONNELLES SENSIBLES AU GSH DE SILICE POUR L'ADMINISTRATION DE BIOMOLECULES DANS DES CELLULES**
[72] GONG, SHAOQIN, US
[72] WANG, YUYUAN, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2022-11-16
[86] 2021-05-18 (PCT/US2021/032949)
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[30] US (63/026,484) 2020-05-18

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[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/0585 (2010.01) H01M 50/124 (2021.01) H01M 50/131 (2021.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING A LITHIUM-ION BATTERY**
[54] **PROCEDE DE FABRICATION D'UNE BATTERIE A IONS DE LITHIUM**
[72] GABEN, FABIEN, FR
[71] I-TEN, FR
[85] 2022-11-16
[86] 2021-05-19 (PCT/IB2021/054292)
[87] (WO2021/234585)
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[51] **Int.Cl. A23N 12/08 (2006.01) A47J 31/42 (2006.01) A47J 42/52 (2006.01)**
[25] EN
[54] **ROASTING AND PROCESSING APPARATUS FOR COFFEE BEANS**
[54] **APPAREIL DE TORREFACTION ET DE TRAITEMENT DE GRAINS DE CAFE**
[72] AIT, BOUZIAD YOUCEF, CH
[72] YOAKIM, ALFRED, CH
[72] SAVIOZ, GREGORY, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-11-16
[86] 2021-06-04 (PCT/EP2021/065032)
[87] (WO2021/259614)
[30] EP (20181830.9) 2020-06-24

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[51] **Int.Cl. G01M 9/00 (2006.01) G06F 17/15 (2006.01)**
[25] EN
[54] **METHOD FOR CALCULATING TIME HISTORY WIND LOAD IN ACCORDANCE WITH CORRELATION**
[54] **PROCEDE DE CALCUL DE CHARGE EOLIENNE D'HISTORIQUE TEMPOREL CONFORMEMENT A UNE CORRELATION**
[72] KANG, THOMAS HYUN KOO, KR
[72] JEONG, SEUNG YONG, KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[85] 2022-11-16
[86] 2021-08-18 (PCT/KR2021/010967)
[87] (WO2022/039500)
[30] KR (10-2020-0103923) 2020-08-19

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[51] **Int.Cl. B60P 1/28 (2006.01) B60R 21/11 (2006.01)**
[25] EN
[54] **CANOPY STRUCTURE FOR TRUCK BODY**
[54] **STRUCTURE D'AUVENT POUR CAISSE DE CAMION**
[72] ARUL, SAMUEL J., US
[71] CATERPILLAR INC., US
[85] 2022-11-16
[86] 2021-04-21 (PCT/US2021/028282)
[87] (WO2021/242448)
[30] US (16/883,875) 2020-05-26

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[51] **Int.Cl. G06Q 10/02 (2012.01)**
[25] EN
[54] **SUBSCRIPTION BASED TRAVEL SERVICE WITH DELAY**
[54] **SERVICE DE VOYAGE A BASE D'ABONNEMENT AVEC RETARD**
[72] HANDLER, BRENT, US
[72] HOLLOWAY, CODY, US
[72] GANDARILLA, JESUS, US
[72] RODRIGUEZ, RODOLFO, US
[72] ROYBAL, ASHLEY, US
[72] SMITH, CHRISTOPHER, US
[72] HANDLER, BRAD, US
[71] INSPIRATO, US
[85] 2022-11-16
[86] 2021-04-29 (PCT/US2021/029910)
[87] (WO2021/236314)
[30] US (16/876,517) 2020-05-18

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[51] **Int.Cl. B66F 9/18 (2006.01)**
[25] EN
[54] **LIFTING ATTACHMENT FOR LIFTING CONTAINERS**
[54] **ACCESSOIRE DE LEVAGE POUR SOULEVER DES CONTENEURS**
[72] NILSSON, ANDERS, FI
[72] SJOSTRAND, ANDERS, FI
[72] LINDFORS, HANNU, FI
[72] LUKKARI, JUHANI, FI
[72] BERTULA, ARI, FI
[72] HEISKA, TURKKA, FI
[71] KONECRANES GLOBAL CORPORATION, FI
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[86] 2021-05-26 (PCT/FI2021/050378)
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[51] **Int.Cl. A47K 5/12 (2006.01)**
[25] EN
[54] **AN ADAPTOR ASSEMBLY FOR A FLUID DISPENSING SYSTEM**
[54] **ENSEMBLE ADAPTATEUR POUR SYSTEME DE DISTRIBUTION DE FLUIDE**
[72] CRISMANN, SEBASTIANO, ZA
[72] HODOSSY, SOFIA, SE
[72] WALHEIM, KARL, SE
[72] OLSSON, JOEL, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2022-11-16
[86] 2020-05-20 (PCT/EP2020/064199)
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[51] **Int.Cl. A23G 1/32 (2006.01) A23G 1/50 (2006.01)**
[25] EN
[54] **REDUCED EMULSIFIER OR EMULSIFIER-FREE CHOCOLATE**
[54] **CHOCOLAT SANS EMULSIFIANT OU A TENEUR REDUITE EN EMULSIFIANT**
[72] BESSAIES-BEY, HELA, FR
[72] DEOU, JANINE, FR
[72] ROUSSEL, NICOLAS, FR
[72] DEBON, STEPHANE, BE
[72] DECLERCQ, FABIEN, FR
[72] SMITH, PAUL, BE
[72] WALLECAN, JOEL, BE
[71] CARGILL, INCORPORATED, US
[85] 2022-11-16
[86] 2021-05-27 (PCT/US2021/034485)
[87] (WO2021/242998)
[30] EP (20177019.5) 2020-05-28

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[13] A1
[51] **Int.Cl. A23G 1/36 (2006.01) A23G 1/50 (2006.01)**
[25] EN
[54] **REDUCED FAT CHOCOLATE**
[54] **CHOCOLAT A TENEUR EN MATIERES GRASSES REDUITE**
[72] BESSAIES-BEY, HELA, FR
[72] DEOU, JANINE, FR
[72] ROUSSEL, NICOLAS, FR
[72] DEBON, STEPHANE, BE
[72] DECLERCQ, FABIEN, FR
[72] SMITH, PAUL, BE
[72] WALLECAN, JOEL, BE
[71] CARGILL, INCORPORATED, US
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[86] 2021-05-27 (PCT/US2021/034491)
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[13] A1
[51] **Int.Cl. H01R 13/453 (2006.01) H01R 24/70 (2011.01)**
[25] EN
[54] **INSTALLATION ELEMENT**
[54] **ELEMENT D'INSTALLATION**
[72] KALKUS, BERTHOLD, DE
[72] KONRAD, MICHAEL, DE
[71] KK TECHNOLOGIE GMBH & CO. KG, DE
[85] 2022-11-16
[86] 2021-05-18 (PCT/DE2021/000094)
[87] (WO2021/233491)
[30] DE (10 2020 002 945.0) 2020-05-18

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[25] EN
[54] **THE COMBINATION OF ACETYL LEUCINE AND 4-AMINOPYRIDINE OR ACETAZOLAMIDE FOR TREATING ATAXIA**
[54] **ASSOCIATION D'ACETYLLEUCINE ET DE 4-AMINOPYRIDINE OU D'ACETAZOLAMIDE POUR TRAITER L'ATAXIE**
[72] STRUPP, MICHAEL, DE
[71] INTRABIO LTD, GB
[85] 2022-11-16
[86] 2021-05-20 (PCT/IB2021/054399)
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[30] US (63/028,760) 2020-05-22

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[51] **Int.Cl. B23B 27/14 (2006.01) B23B 51/04 (2006.01)**
[25] EN
[54] **A METAL CUTTING INSERT FOR A DRILL TOOL, AND A DRILL TOOL**
[54] **PLAQUETTE DE COUPE METALLIQUE POUR UN OUTIL DE FORAGE, ET OUTIL DE FORAGE**
[72] CARLBERG, HAKAN, SE
[72] HARSTROM, PATRIK, SE
[71] AB SANDVIK COROMANT, SE
[85] 2022-11-16
[86] 2021-04-21 (PCT/EP2021/060366)
[87] (WO2022/002456)
[30] EP (20183360.5) 2020-07-01

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[51] **Int.Cl. A61K 31/403 (2006.01) A61K 31/404 (2006.01) C07D 209/02 (2006.01) C07D 209/04 (2006.01)**
[25] EN
[54] **BIOMASS DERIVED DIKETONES AS EFFICIENT VISIBLE LIGHT PHOTOINITIATORS**
[54] **DICETONES DERIVEES DE BIOMASSE UTILISEES EN TANT QUE PHOTO-INITIATEURS DE LUMIERE VISIBLE EFFICACES**
[72] SIVAGURU, JAYARAMAN, US
[72] SINGATHI, RAVICHANDRANATH, US
[71] BOWLING GREEN STATE UNIVERSITY, US
[85] 2022-11-16
[86] 2021-05-17 (PCT/US2021/032699)
[87] (WO2021/236489)
[30] US (63/026,237) 2020-05-18

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[51] **Int.Cl. G16B 40/20 (2019.01) G16B 5/00 (2019.01) G16B 35/20 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SELECTION AND MONITORING METHODS FOR XENOTRANSPLANTATION**
[54] **PROCEDES DE SELECTION ET DE SURVEILLANCE EN VUE D'UNE XENOGREFFE**
[72] HOLZER, PAUL, US
[72] MONROY, RODNEY, US
[72] PTITSYN, ANDREY, US
[72] CHANG, ELIZABETH, US
[72] ADKINS, JON, US
[72] BROWN, TRAVIS, US
[72] ROGERS, KAITLYN, US
[71] XENOTHERAPEUTICS, INC., US
[71] ALEXIS BIO, INC., US
[85] 2022-11-16
[86] 2021-06-03 (PCT/US2021/035697)
[87] (WO2021/247858)
[30] US (63/034,140) 2020-06-03

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[51] **Int.Cl. A24D 1/02 (2006.01) A24D 1/20 (2020.01)**
[25] EN
[54] **AEROSOL-GENERATING ARTICLE COMPRISING A FLAME-RETARDANT**
[54] **ARTICLE DE GENERATION D'AEROSOL COMPRENANT UN AGENT IGNIFUGE**
[72] PAPAKYRILLOU, STEFANOS, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-11-16
[86] 2021-05-18 (PCT/EP2021/063137)
[87] (WO2021/233914)
[30] EP (20386024.2) 2020-05-19

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[51] **Int.Cl. H01M 8/021 (2016.01) H01M 8/0228 (2016.01) C23C 22/50 (2006.01) C25D 9/10 (2006.01)**
[25] EN
[54] **STAINLESS STEEL FOR FUEL CELL SEPARATOR**
[54] **ACIER INOXYDABLE POUR SEPARATEUR DE PILE A COMBUSTIBLE**
[72] KIM, KWANGMIN, KR
[72] KIM, YONGHO, KR
[72] SEO, BO-SUNG, KR
[72] KIM, DONG-HOON, KR
[71] POSCO, KR
[85] 2022-11-16
[86] 2020-10-16 (PCT/KR2020/014195)
[87] (WO2021/241812)
[30] KR (10-2020-0065190) 2020-05-29

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[13] A1
[51] **Int.Cl. H01F 7/06 (2006.01)**
[25] EN
[54] **ELECTROMAGNETICALLY CONTROLLED SEGMENTED MIRROR, ELECTROMAGNETIC ACTUATOR FOR USE THEREIN AND METHOD FOR MANUFACTURING THE SAME**
[54] **MIROIR SEGMENTE A COMMANDE ELECTROMAGNETIQUE, ACTIONNEUR ELECTROMAGNETIQUE DESTINE A ETRE UTILISE DANS CELUI-CI ET SON PROCEDE DE FABRICATION**
[72] KUIPER, STEFAN, NL
[72] VAN ADRICHEM, THOMAS PAULUS CORNELIS, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[54] **GRANULES NUTRITIFS AMELIORES POUR CULTURES BIOLOGIQUES A BASE DE MICROALGUES**
[72] SARKAR, DEBARATA, IN
[72] CHHAYA, RONAK SATISHCHANDRA, IN
[72] SINGH, LOKESH, IN
[72] WAGNER, DOUGLAS RY, US
[71] ALGAENERGY N.A. INC., US
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[54] **SYSTEME DE NEP**
[72] POULSEN, ANDERS HOLDFLOD, TH
[71] E-CIP CONCEPT APS, DK
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[54] **CONVEYOR RACETRACK SYSTEM**
[54] **SYSTEME DE CIRCUIT DE TRANSPORTEUR**
[72] KREIMEYER, ULRICH, DE
[71] FLEXLINK AB, SE
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[54] **METHOD FOR THE DIAGNOSIS AND TREATMENT OF ESSENTIAL PRIMARY HYPERTENSION**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT D'UNE HYPERTENSION ARTERIELLE ESSENTIELLE**
[72] SCHMIDT, HARALD HORST HEINZ WILHELM, DE
[72] ELBATRIK, MAHMOUD HASSAN MAHMOUD, NL
[72] MUCKE, HERMANN ALOIS MARTIN, AT
[71] UNIVERSITEIT MAASTRICHT, NL
[71] ACADEMISCH ZIEKENHUIS MAASTRICHT, NL
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[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-11-16
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[54] **METHOD FOR CONTROLLING POWERTRAIN, AND POWERTRAIN**
[54] **PROCEDE DE COMMANDE D'UN GROUPE MOTOPROPULSEUR ET GROUPE MOTOPROPULSEUR**
[72] KUKKONEN, SAMU, FI
[71] NORMET OY, FI
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[86] 2021-05-17 (PCT/FI2021/050356)
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[54] **NOVEL OMNI-59, 61, 67, 76, 79, 80, 81, AND 82 CRISPR NUCLEASES**
[54] **NOUVELLES NUCLEASES CRISPR OMNI-59, 61, 67, 76, 79, 80, 81 ET 82**
[72] IZHAR, LIOR, IL
[72] ROCKAH, LIAT, IL
[72] MARBACH BAR, NADAV, IL
[72] MERON, NURIT, IL
[71] EMENDOBIO INC., US
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[54] **SYSTEME D'ASSISTANCE DE VEHICULE**
[72] DELAHAIS, FREDERIC, FR
[72] SIMON, JEAN-FRANCOIS, FR
[72] RAYER, THOMAS, FR
[72] DE MOORTEL, JAN, BE
[71] IRIDER, FR
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[54] **METHODS AND COMPOSITIONS FOR TREATING STROKE**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'UN ACCIDENT VASCULAIRE CEREBRAL**
[72] WANG, YONGTING, US
[72] ALLEN, MARK FELDER, US
[72] SANDRASAGRA, ANTHONY, US
[72] SINHA, MANISHA, US
[71] ELEVIAN, INC., US
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[54] **SEGMENT DE LAME POUR RAFFINEUR**
[72] LOIJAS, MARKO, FI
[72] IISAKKILA, TOMI, FI
[72] SJOSTROM, HAKAN, FI
[71] VALMET TECHNOLOGIES OY, FI
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[54] **BICYCLIC PEPTIDE LIGANDS SPECIFIC FOR NECTIN-4 AND USES THEREOF**
[54] **LIGANDS PEPTIDIQUES BICYCLIQUES SPECIFIQUES DE LA NECTINE 4 ET LEURS UTILISATIONS**
[72] DICKSON, AMY KATHERINE, GB
[72] LIMB, DARREN, GB
[72] MAHNKE, LISA, GB
[72] RIGBY, MICHAEL, GB
[72] WEST, TERRENCE ALLEN, GB
[72] WITTY, DAVID, GB
[71] BICYCLETX LIMITED, GB
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[54] **PROCEDES DE FONCTIONNEMENT DE PILE A COMBUSTIBLE FAISANT APPEL A DES ONDULEURS BIDIRECTIONNELS**
[72] PMSVVSV, PRASAD, US
[72] BAKER, BEAU, US
[72] METCHO, CRAIG, US
[71] BLOOM ENERGY CORPORATION, US
[85] 2022-11-17
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[54] **UTILISATION D'HUILES COMPRENANT DES ADDITIFS ANTI-USURE NON NEUROTOXIQUES**
[72] FAYE, DJIBRIL, FR
[72] GAY, MARION, FR
[72] SEVERAC, FLORENCE, FR
[72] MANSOUX, JEAN-LOUIS, FR
[72] HERVE, GREGOIRE, FR
[71] NYCO, FR
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[54] **COMPOSITIONS AND METHODS FOR TREATING LUNG INJURIES ASSOCIATED WITH VIRAL INFECTIONS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE TRAITER LES LESIONS PULMONAIRES ASSOCIEES AUX INFECTIONS VIRALES**
[72] WU, DIANQING, US
[72] LO, HO YIN, US
[71] QX THERAPEUTICS INC., US
[71] YALE UNIVERSITY, US
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[54] **WHEEL LOCK FOR THUMBWHEEL ACTUATED DEVICE**
[54] **VERROU DE ROUE POUR DISPOSITIF ACTIONNE PAR MOLETTE**
[72] LONGO, MICHAEL A., US
[72] O'NEIL, TIMOTHY W., US
[72] TUREK, CHRISTOPHER JOHN, US
[71] VESPER MEDICAL, INC., US
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[54] **IDENTIFICATION OF EFFECT PIGMENTS IN A TARGET COATING**
[54] **IDENTIFICATION DE PIGMENTS A EFFET DANS UN REVETEMENT CIBLE**
[72] BAUGHMAN, DONALD R., US
[72] BISCHOFF, GUIDO, DE
[72] LEOPOLD, MATTHEW, US
[72] MCGUCKIN, JESSICA J., US
[72] SCOTT, STUART K., US
[71] BASF COATINGS GMBH, DE
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[54] **SYSTEMS AND METHODS FOR USE IN SEGREGATING DATA BLOCKS TO DISTRIBUTED STORAGE**
[54] **SYSTEMES ET PROCEDES DESTINES A ETRE UTILISES POUR SEPARER DES BLOCS DE DONNEES VERS UN STOCKAGE DISTRIBUE**
[72] SCHUKAI, ROBERT, US
[72] CARTER, ROBERT, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[86] 2021-05-21 (PCT/US2021/033548)
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[54] **PROCESS FOR ISOLATION AND PURIFICATION OF THCA FROM CANNABIS**
[54] **PROCEDE D'ISOLEMENT ET DE PURIFICATION DE THCA DE CANNABIS**
[72] FISHER, DAVID A., CA
[72] ROSE, JASON M., CA
[72] FISHER, ANDREW, CA
[71] PROTONIFY CORPORATION, CA
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[54] **NOISE MITIGATION THROUGH QUANTUM STATE PURIFICATION BY CLASSICAL ANSATZ TRAINING**
[54] **ATTENUATION DU BRUIT PAR PURIFICATION A L'ETAT QUANTIQUE PAR APPRENTISSAGE ANSATZ CLASSIQUE**
[72] GONTHIER, JEROME FLORIAN, US
[72] ROMERO, JHONATHAN, US
[71] ZAPATA COMPUTING, INC., US
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[54] **C-TERMINAL FRAGMENT OF TETANUS TOXIN (HC) FOR TREATMENT OF DEPRESSION**
[54] **FRAGMENT C-TERMINAL DE LA TOXINE TETANIQUE (HC) POUR LE TRAITEMENT DE LA DEPRESSION**
[72] TIZABI, YOUSEF, US
[71] HOWARD UNIVERSITY, US
[85] 2022-11-17
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[54] **ELECTROCHEMICALLY DRIVEN CARBON DIOXIDE SEPARATOR**
[54] **SEPARATEUR DE DIOXYDE DE CARBONE A COMMANDE ELECTROCHIMIQUE**
[72] YAN, YUSHAN, US
[72] YAN, DAVID, US
[72] MATZ, STEPHANIE, US
[72] RAZDAN, ROHAN, US
[72] SETZLER, BRIAN, US
[71] UNIVERSITY OF DELAWARE, US
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[54] **LEWIS/BRONSTED ACID/BASE AND NICKEL PHOSPHIDE BINARY CATALYST-SYSTEM (CO-CATALYSTS) FOR DIRECT ELECTROCHEMICAL CO2 REDUCTION TO HYDROCARBONS**
[54] **SYSTEME CATALYTIQUE BINAIRE A BASE D'ACIDE/BASE DE LEWIS/DE BRONSTED ET DE PHOSPHURE DE NICKEL (COCATALYSEURS) POUR UNE REDUCTION ELECTROCHIMIQUE DIRECTE DU CO2 EN HYDROCARBURES**
[72] DISMUKES, CHARLES G., US
[72] LAURSEN, ANDERS BO, US
[72] CALVINHO, KARIN UTE DOEHL, US
[71] RUTGER, THE STATE UNIVERSITY OF NEW JERSEY, US
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[54] **COCKTAIL PEPTIDIQUE**
[72] ERIKSEN, HENRIK, NO
[72] ERIKSEN, JON AMUND, NO
[71] HUBRO THERAPEUTICS AS, NO
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[86] 2021-05-28 (PCT/EP2021/064415)
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[54] **METHODES DE TRAITEMENT PAR REMDESIVIR**
[72] CIHLAR, TOMAS, US
[71] GILEAD SCIENCES, INC., US
[85] 2022-11-17
[86] 2021-05-28 (PCT/US2021/034764)
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[54] **SENSOR APPARATUS HAVING AN EMBEDDED OPTICAL INTERROGATOR**
[54] **APPAREIL DE DETECTION A INTERROGATEUR OPTIQUE INTEGRE**
[72] MULLER, SEBASTIAN, DE
[72] BAUMEISTER, MARC, DE
[71] ROSEN SWISS AG, CH
[85] 2022-11-17
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[54] **EXHAUST REMOVAL FOR CRYOGENIC TREATMENT**
[54] **ELIMINATION DE GAZ D'ECHAPPEMENT POUR TRAITEMENT CRYOGENIQUE**
[72] MALECKI, WILLIAM, US
[72] LOPRESTI, VINCENT, US
[72] COTE, ULRIC E., US
[72] BEAULIEU, DAVID, US
[71] CHANNEL MEDSYSTEMS, INC., US
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[54] **MICROEMULSIONS ET LEURS UTILISATIONS**
[72] WIKLUND, PER, SE
[71] BIOBASE SWEDEN AB, SE
[85] 2022-11-17
[86] 2021-06-08 (PCT/SE2021/050548)
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[25] EN
[54] **MODIFIED PORCINE SCAFFOLDS AND METHODS OF PREPARATION**
[54] **ECHAFAUDAGES PORCINS MODIFIES ET LEURS PROCEDES DE PREPARATION**
[72] HARGIS, JON G., US
[72] KLITZKE, KURT, US
[71] CONVATEC TRIAD LIFE SCIENCES, LLC., US
[85] 2022-11-17
[86] 2021-05-26 (PCT/US2021/034198)
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[25] EN
[54] **USE OF RESISTIN AS A TRIMERIZATION PARTNER FOR EXPRESSION OF TRIMERIC PROTEINS**
[54] **UTILISATION DE RESISTINE EN TANT QUE PARTENAIRE DE TRIMERISATION POUR L'EXPRESSION DE PROTEINES TRIMERIQUES**
[72] DUROCHER, YVES, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2022-11-17
[86] 2021-05-18 (PCT/IB2021/054285)
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[25] EN
[54] **COMPOSITION AND MANUFACTURING METHOD FOR A COMPOSTABLE FLORAL ARRANGEMENT MEDIUM**
[54] **COMPOSITION ET PROCEDE DE FABRICATION D'UN SUPPORT D'AGENCEMENT FLORAL COMPOSTABLE**
[72] KELLY, PAUL THOMAS, US
[72] PARK, SANG HYEN, KR
[72] LEGNANI, GARY, US
[71] SMITHERS-OASIS COMPANY, US
[85] 2022-11-17
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[30] US (63/026,209) 2020-05-18

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[25] EN
[54] **LIVING HINGE BOOM**
[54] **FLECHE A CHARNIERE MOBILE**
[72] MURPHEY, THOMAS W., US
[71] OPTERUS RESEARCH AND DEVELOPMENT, INC., US
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[54] **WATERCRAFT LIFT**
[54] **DISPOSITIF DE LEVAGE D'EMBARCATION**
[72] HEY, KENNETH EDWARDS, US
[72] HALVERSON, LOERN ALAN, US
[72] STANFORD, DEAN ALLEN, US
[72] VAN OLST, KENT BRADLEY, US
[71] SUNSTREAM CORPORATION, US
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[54] **METHOD FOR PRODUCING LARVAE REARING SUBSTRATE**
[54] **METHODE DE FABRICATION DE SUBSTRAT D'ELEVAGE DE LARVES**
[72] RAY, CLEMENT, FR
[72] HAMELIN, NICOLAS, FR
[72] LAURO, ALEXANDRE, FR
[71] INNOVAFEED, FR
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[54] **NUCLEIC ACID MOLECULE TARGETING MITF GENE AND USE THEREOF**
[54] **MOLECULE D'ACIDE NUCLEIQUE CIBLANT LE GENE MITF ET UTILISATION ASSOCIEE**
[72] LI, LONGCHENG, CN
[72] KANG, MOORIM, CN
[71] RACTIGEN THERAPEUTICS, CN
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[51] **Int.Cl. B64D 37/02 (2006.01) F02C 7/22 (2006.01) G01F 1/86 (2006.01)**
[25] FR
[54] **AIRCRAFT COMPRISING, IN ITS FUEL TANK, A CHAMBER PROVIDED WITH A SENSOR**
[54] **AERONEF COMPRENANT DANS SON RESERVOIR DE CARBURANT UNE CHAMBRE DOTEE D'UN CAPTEUR**
[72] HAUZERAY, SYLVAIN, FR
[72] DELAITRE, GILLES, FR
[71] SAFRAN AEROSYSTEMS, FR
[85] 2022-11-17
[86] 2021-05-17 (PCT/FR2021/050850)
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[54] **AUTO ASSOCIATION OF MEDICAL DEVICES WITH LOCATION**
[54] **AUTO-ASSOCIATION DE DISPOSITIFS MEDICAUX ASSORTIE D'UNE LOCALISATION**
[72] ALMAGUER, WILFREDO, US
[71] MEDICAL INFORMATICS CORP., US
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[54] **METHODS AND APPARATUS FOR TIME-VARYING FILTERING OF SIGNALS OF CONTINUOUS ANALYTE MONITORING SYSTEMS**
[54] **PROCEDES ET APPAREILS DE FILTRAGE VARIANT DANS LE TEMPS DE SIGNAUX DE SYSTEMES DE SURVEILLANCE CONTINUE D'ANALYTES**
[72] RUSSO, ANTHONY P., US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
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[86] 2021-06-02 (PCT/EP2021/064783)
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[54] **METHOD AND APPARATUS FOR ADAPTIVE FILTERING OF SIGNALS OF CONTINUOUS ANALYTE MONITORING SYSTEMS**
[54] **PROCEDE ET APPAREIL DE FILTRAGE ADAPTATIF DE SIGNAUX DE SYSTEMES DE SURVEILLANCE CONTINUE D'ANALYTE**
[72] RUSSO, ANTHONY P., US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
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[54] **METHODS AND APPARATUS CONFIGURED TO TRANSMIT DATA IN CONTINUOUS ANALYTE MONITORS**
[54] **PROCEDES ET APPAREIL CONFIGURES POUR TRANSMETTRE DES DONNEES DANS DES MONITEURS D'ANALYTES CONTINUS**
[72] HURTZ, ROBERT W., US
[72] GOFMAN, IGOR Y., US
[72] ZHANG, WEI DALE, US
[72] MAYER, THOMAS A.J. JR., US
[72] LI, JI, US
[72] DIONISIO, CHRISTOPHER A., US
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[25] EN
[54] **BACTERIAL STRAIN BELONGING TO BACILLUS GENUS, AND MICROBIOLOGICAL CONTROL AGENT USING SAID BACTERIAL STRAIN**
[54] **SOUCHE BACTERIENNE APPARTENANT AU GENRE BACILLUS, ET PESTICIDE MICROBIEN METTANT EN ?UVRE CETTE SOUCHE BACTERIENNE**
[72] SHIMIZU, MASAFUMI, JP
[72] KANEKO, ISAO, JP
[72] OHTAKA, NOBUAKI, JP
[72] MARUYAMA, NOZOMU, JP
[71] NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM, JP
[71] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP
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[51] **Int.Cl. B65D 5/66 (2006.01)**
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[54] **PANEL INTERLOCKING ARRANGEMENT, CARTON AND CARTON BLANK**
[54] **AGENCEMENT D'INTERVERROUILLAGE DE PANNEAU, CARTON ET DECOUPE DE CARTON**
[72] VALENCIA, JOHN, US
[71] WESTROCK SHARED SERVICES, LLC, US
[85] 2022-11-17
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[51] **Int.Cl. A47J 31/00 (2006.01)**
[25] EN
[54] **BEVERAGE MACHINE AND METHOD OF PRIMING A BEVERAGE MACHINE**
[54] **MACHINE A BOISSON ET PROCEDE D'AMORCAGE D'UNE MACHINE A BOISSON**
[72] HAY, DAVID, GB
[71] LAVAZZA PROFESSIONAL NORTH AMERICA LLC, US
[85] 2022-11-17
[86] 2021-05-25 (PCT/US2021/033995)
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[54] **THREAD CLEARANCE**
[54] **DEGAGEMENT DE FIL**
[72] HAMMARGREN, JOHN, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
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[54] **ACE2 MUTEINS AND METHODS OF USING THE SAME**
[54] **MUTEINES ACE2 ET PROCEDES D'UTILISATION DE CELLES-CI**
[72] BAILEY, CHARLES C., US
[72] ALPERT, MICHAEL D., US
[71] EMMUNE, INC., US
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[86] 2021-05-20 (PCT/US2021/033454)
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[54] **GRINDING AND EXTRACTION APPARATUS FOR COFFEE BEANS**
[54] **APPAREIL DE BROYAGE ET D'EXTRACTION DE GRAINS DE CAFE**
[72] AIT BOUZIAD, YOUCEF, CH
[72] YOAKIM, ALFRED, CH
[71] SOCIETE DES PRODUITS NESTLE SA, CH
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[54] **COMPOSITIONS AND METHODS OF TREATMENT WITH GLUTATHIONE**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT AU MOYEN DE LA GLUTATHIONE**
[72] PATEL, NAYAN, US
[71] AURO PHARMACEUTICALS, INC., US
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[54] **AN ADAPTOR ASSEMBLY FOR A FLUID DISPENSING SYSTEM**
[54] **ENSEMBLE ADAPTATEUR POUR SYSTEME DE DISTRIBUTION DE FLUIDE**
[72] CRISMANN, SEBASTIANO, ZA
[72] HODOSSY, SOFIA, SE
[72] WALHEIM, KARL, SE
[72] OLSSON, JOEL, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
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[51] **Int.Cl. C12Q 1/6804 (2018.01) C12Q 1/6816 (2018.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR ANALYSIS**
[54] **SYSTEMES, DISPOSITIFS ET METHODES D'ANALYSE**
[72] GANESAN, ARJUN, US
[72] VOYTA, JOHN C., US
[72] LEIER, LISA, US
[72] SEVOSTIYANOVA, ANASTASIA, US
[72] FIANDACA, MARK, US
[71] ANCERA LLC, US
[85] 2022-11-17
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[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 50/414 (2021.01) H01M 50/426 (2021.01) H01M 50/431 (2021.01) H01M 50/446 (2021.01)**
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[54] **ION-CONDUCTING MEMBRANES, COMPONENTS HAVING THE ION-CONDUCTING MEMBRANES, AND PROCESS FOR FORMING THE SAME**
[54] **MEMBRANES CONDUCTRICES D'IONS, COMPOSANTS PRESENTANT LES MEMBRANES CONDUCTRICES D'IONS ET LEUR PROCEDE DE FORMATION**
[72] KINI, NAGESH SANJEEVA, IN
[72] RAMKUMAR, MURARI, IN
[71] VIMANO INC., US
[85] 2022-11-17
[86] 2021-05-26 (PCT/IN2021/050514)
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[51] **Int.Cl. H01R 13/6471 (2011.01) H01R 13/6582 (2011.01) H01R 13/6586 (2011.01)**
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[54] **CONNECTOR, CONNECTOR ASSEMBLY, AND ELECTRONIC DEVICE**
[54] **CONNECTEUR, ENSEMBLE CONNECTEUR ET DISPOSITIF ELECTRONIQUE**
[72] LI, QIANG, CN
[72] XIAO, CONGTU, CN
[72] OU, ZHENGYAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[86] 2021-01-04 (PCT/CN2021/070176)
[87] (WO2021/232825)
[30] CN (202010424559.2) 2020-05-19

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[51] **Int.Cl. A24D 1/02 (2006.01) A24D 1/20 (2020.01)**
[25] EN
[54] **MODIFIED AEROSOL-GENERATING ARTICLE WITH FLAME RETARDANT WRAPPER**
[54] **ARTICLE DE GENERATION D'AEROSOL MODIFIE COMPRENANT UNE ENVELOPPE IGNIFUGE**
[72] JORDIL, YVES, CH
[72] PAPAKYRILLOU, STEFANOS, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-11-17
[86] 2021-05-18 (PCT/EP2021/063145)
[87] (WO2021/233918)
[30] EP (20386023.4) 2020-05-19

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[51] **Int.Cl. G09B 23/28 (2006.01)**
[25] EN
[54] **SYSTEM FOR PERFORMING SURGERY PRACTICAL EXERCISES**
[54] **SYSTEME PERMETTANT D'EFFECTUER DES EXERCICES PRATIQUES CHIRURGICAUX**
[72] FIACCAVENTO, ANDREA, IT
[72] FRANZONI, BARBARA, IT
[72] ZOLA, PIETRO, IT
[71] B2OR SRL, IT
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[54] **P38ALPHA MITOGEN-ACTIVATED PROTEIN KINASE INHIBITORS**
[54] **INHIBITEURS DE PROTEINE KINASE P38ALPHA ACTIVEE PAR MITOGENE**
[72] GALAN, ADAM, US
[72] LUO, WENDY, US
[72] LAL, RITU, US
[71] GEN1E LIFESCIENCES INC., US
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[30] US (63/026,466) 2020-05-18

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[25] EN
[54] **COMPOSITIONS AND METHODS RELATING TO AGING SKIN**
[54] **COMPOSITIONS ET METHODES SE RAPPORTANT AU VIEILLISSEMENT DE LA PEAU**
[72] WIDGEROW, ALAN DAVID, US
[72] GARRUTO, JOHN A., US
[71] ALASTIN SKINCARE, INC., US
[85] 2022-11-17
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[87] (WO2021/236938)
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[51] **Int.Cl. A61K 31/37 (2006.01) A61P 25/26 (2006.01)**
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[54] **MDMA RESPONSE PREDICTION**
[54] **PREDICTION DE LA REPONSE AU MDMA**
[72] LIECHTI, MATTHIAS EMANUEL, CH
[72] VIZELI, PATRICK RAPHAEL, CH
[71] UNIVERSITATSSPITAL BASEL, CH
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[86] 2021-04-14 (PCT/US2021/027282)
[87] (WO2021/257169)
[30] US (63/039,131) 2020-06-15

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[51] **Int.Cl. B01D 53/50 (2006.01) C01C 1/22 (2006.01) C01C 1/24 (2006.01)**
[25] EN
[54] **PROCESS FOR REMOVAL OF SULFUR DIOXIDE AND AMMONIA FROM A VENT GAS STREAM**
[54] **PROCEDE POUR L'ELIMINATION DU DIOXYDE DE SOUFRE ET DE L'AMMONIAC D'UN FLUX DE GAZ DE VENTILATION**
[72] RAY, MICHAEL F., US
[72] SHAFER, RONALD, US
[71] THIOSOLV, LLC, US
[85] 2022-11-17
[86] 2021-05-25 (PCT/US2021/034041)
[87] (WO2021/242743)
[30] US (63/029,888) 2020-05-26

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[51] **Int.Cl. A61K 35/744 (2015.01) A23K 10/18 (2016.01) A23K 20/163 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23L 33/105 (2016.01) A23L 33/135 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/21 (2016.01) A61K 8/99 (2017.01) A61P 25/24 (2006.01) A61P 27/02 (2006.01) A61P 37/04 (2006.01)**
[25] FR
[54] **COMPOSITION COMPRISING SAFRANAL AND PROBIOTICS**
[54] **COMPOSITION COMPRENANT DU SAFRANAL ET DES PROBIOTIQUES**
[72] GAUDOUT, DAVID, FR
[72] REY, STEPHANE, FR
[72] LEMAIRE, BENOIT, FR
[72] DE VULPILLIERES, ASTRID, FR
[72] POURTAU, LINE, FR
[71] ACTIV'INSIDE, FR
[85] 2022-11-17
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[30] FR (2005201) 2020-05-20

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[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **STR CAPABILITY INDICATION METHOD AND RELATED APPARATUS**
[54] **PROCEDE D'INDICATION DE CAPACITE STR, ET APPAREIL ASSOCIE**
[72] LI, YUNBO, CN
[72] GUO, YUCHEN, CN
[72] ZHOU, YIFAN, CN
[72] HUANG, GUOGANG, CN
[72] LI, YIQING, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-11-17
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[30] CN (202010556092.7) 2020-06-17

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[25] EN
[54] **CARTRIDGE, DRUM UNIT, AND IMAGE FORMING APPARATUS**
[54] **CARTOUCHE, UNITE DE TAMBOUR ET APPAREIL DE FORMATION D'IMAGE**
[72] FUJINO, TOSHIKI, JP
[72] HIRAYAMA, AKINOBU, JP
[72] SASAKI, TERUHIKO, JP
[72] KAWAI, TACHIO, JP
[72] ABE, DAISUKE, JP
[72] MORIOKA, MASANARI, JP
[72] KAWANAMI, TAKEO, JP
[72] FUKASAWA, YU, JP
[71] CANON KABUSHIKI KAISHA, JP
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[51] **Int.Cl. H04B 1/10 (2006.01) H04W 84/18 (2009.01) H04B 1/40 (2015.01)**
[25] EN
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[54] **PASSERELLE DE COMMUNICATION DESTINEE A RELIER UN RESEAU LPWAN ET UN RESEAU CELLULAIRE**
[72] GILBERT, MICHEL, FR
[71] KERLINK, FR
[85] 2022-11-17
[86] 2021-05-18 (PCT/EP2021/063161)
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[30] FR (2005152) 2020-05-20

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[51] **Int.Cl. B65G 65/23 (2006.01) B66C 1/22 (2006.01) B66C 1/66 (2006.01) B66C 13/08 (2006.01)**
[25] EN
[54] **CONTAINER MANIPULATION DEVICE AND HOISTING DEVICE**
[54] **DISPOSITIF DE MANIPULATION DE RECIPIENT ET DISPOSITIF DE LEVAGE**
[72] IDZERDA, PAUL, UY
[71] HAULDER S.A., UY
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[51] **Int.Cl. C07D 243/24 (2006.01) C07D 401/04 (2006.01) C07F 9/38 (2006.01)**
[25] EN
[54] **NOTCH INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE NOTCH ET LEURS UTILISATIONS**
[72] ORTON, DARREN, US
[72] GUERRANT, WILLIAM, US
[72] KNOWE, MATTHEW, US
[72] FEI, DENNIS LIANG, US
[71] STEMSYNERGY THERAPEUTICS, INC., US
[85] 2022-11-17
[86] 2021-05-21 (PCT/US2021/033696)
[87] (WO2021/237112)
[30] US (63/028,194) 2020-05-21

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[13] A1
[51] **Int.Cl. C07D 243/24 (2006.01) C07D 401/04 (2006.01) C07F 9/38 (2006.01)**
[25] EN
[54] **NOTCH INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE NOTCH ET LEURS UTILISATIONS**
[72] ORTON, DARREN, US
[72] GUERRANT, WILLIAM, US
[72] KNOWE, MATTHEW, US
[72] FEI, DENNIS LIANG, US
[71] STEMSYNERGY THERAPEUTICS, INC., US
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[86] 2021-05-21 (PCT/US2021/033694)
[87] (WO2021/237111)
[30] US (63/028,188) 2020-05-21

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[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **DEVICE FOR APPLYING MEDICAL AND COSMETIC RADIATION TO A HUMAN BODY OR TO PARTS OF A HUMAN BODY**
[54] **DISPOSITIF D'APPLICATION DE RAYONNEMENT A USAGE MEDICAL ET COSMETIQUE SUR UN CORPS HUMAIN OU SUR DES PARTIES D'UN CORPS HUMAIN**
[72] GERSTENMEIER, JURGEN, DE
[71] JK-HOLDING GMBH, DE
[85] 2022-11-17
[86] 2021-05-21 (PCT/IB2021/054434)
[87] (WO2021/240326)
[30] CH (00614/20) 2020-05-25

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[13] A1
[51] **Int.Cl. A61K 47/38 (2006.01) A61M 11/00 (2006.01) A61P 11/00 (2006.01) A61P 11/02 (2006.01) A61P 31/12 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTION OF CORONAVIRUS INFECTION**
[54] **COMPOSITIONS ET METHODES DE PREVENTION D'INFECTION A CORONAVIRUS**
[72] PALMER, KENNETH E., US
[72] FUQUA, JOSHUA L., US
[72] ROHAN, LISA CENCIA, US
[72] WANG, LIN, US
[72] O'KEEFE, BARRY R., US
[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES OFFICE OF TECHNOLOGY TRANSFER NATIONAL INSTITUTES OF HEALTH, US
[85] 2022-11-17
[86] 2021-05-18 (PCT/US2021/033009)
[87] (WO2021/236672)
[30] US (63/026,375) 2020-05-18
[30] US (63/070,375) 2020-08-26

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **COMPOSITION FOR THE TREATMENT OF PHILADELPHIA CHROMOSOME-POSITIVE ACUTE LYMPHOBLASTIC LEUKEMIA**
[54] **COMPOSITION POUR LE TRAITEMENT DE LA LEUCEMIE LYMPHOBLASTIQUE AIGUE POSITIVE AU CHROMOSOME PHILADELPHIE**
[72] JUMAA-WEINACHT, HASSAN, DE
[72] JUMAA, MOUHANNAD, US
[71] JUMAA-WEINACHT, HASSAN, DE
[71] JUMAA, MOUHANNAD, US
[85] 2022-11-17
[86] 2021-05-18 (PCT/US2021/033034)
[87] (WO2021/236691)
[30] US (63/026,522) 2020-05-18

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[13] A1
[51] **Int.Cl. E04H 4/12 (2006.01) E04H 4/14 (2006.01)**
[25] EN
[54] **POOL WAVE GENERATOR**
[54] **GENERATEUR A VAGUES SUR PISCINE**
[72] WYNNE-EDWARDS, ALEXANDER, CA
[72] TYRNIAK, ANDREW, CA
[72] GINESTET, CLEMENT, FR
[71] WHITEWATER WEST INDUSTRIES LTD, CA
[85] 2022-11-17
[86] 2021-05-18 (PCT/CA2021/000045)
[87] (WO2021/232138)
[30] US (63/026,508) 2020-05-18

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[13] A1
[51] **Int.Cl. F24D 3/08 (2006.01) G05B 15/02 (2006.01) G06F 11/30 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENTLY CONTROLLING A HYBRID CASCADE BOILER SYSTEM**
[54] **SYSTEMES ET PROCEDES DE COMMANDE INTELLIGENTE D'UN SYSTEME HYBRIDE DE CHAUDIERES EN CASCADE**
[72] THURLKILL, STEPHEN, US
[72] REVILLA, JORGE MIGUEL GAMBOA, US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2022-11-17
[86] 2021-08-18 (PCT/US2021/046440)
[87] (WO2022/046481)
[30] US (17/002,020) 2020-08-25

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[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **IDENTIFYING CLAIM COMPLEXITY BY INTEGRATING SUPERVISED AND UNSUPERVISED LEARNING**
[54] **IDENTIFICATION DE LA COMPLEXITE DE DEMANDES DE RECOUVREMENT EN INTEGRANT UN APPRENTISSAGE SUPERVISE ET NON SUPERVISE**
[72] LI, JI, US
[72] CHEN, XI, US
[72] LAKSHMIKANTHAN, JAYANT, US
[72] AKKARACHITTOR, PRAMOD JATHAVEDAN, US
[71] CIPO, CA
[71] CLARA ANALYTICS, INC., US
[85] 2022-11-17
[86] 2021-05-13 (PCT/US2021/032331)
[87] (WO2021/236423)
[30] US (16/879,622) 2020-05-20

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6827 (2018.01) G16H 50/30 (2018.01) G16B 20/20 (2019.01)**
[25] EN
[54] **METHODS OF ASSESSING RISK OF DEVELOPING A SEVERE RESPONSE TO CORONAVIRUS INFECTION**
[54] **PROCEDES D'EVALUATION DU RISQUE DE DEVELOPPER UNE REPONSE GRAVE A UNE INFECTION A CORONAVIRUS**
[72] DITE, GILLIAN SUE, AU
[72] MURPHY, NICHOLAS MARK, AU
[72] ALLMAN, RICHARD, AU
[71] GENETIC TECHNOLOGIES LIMITED, AU
[85] 2022-11-17
[86] 2021-05-26 (PCT/AU2021/050507)
[87] (WO2021/237292)
[30] AU (2020901739) 2020-05-27
[30] AU (2020902052) 2020-06-19
[30] AU (2020903536) 2020-09-30
[30] AU (2021900392) 2021-02-17

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[13] A1
[51] **Int.Cl. A61B 5/021 (2006.01)**
[25] EN
[54] **A METHOD OF ESTIMATING BLOOD PRESSURE OF A SUBJECT**
[54] **PROCEDE POUR ESTIMER LA PRESSION ARTERIELLE D'UN SUJET**
[72] SEKHAR, SITANSU, AU
[72] WALLACE, ANGUS, AU
[71] REDARC TECHNOLOGIES PTY LTD, AU
[85] 2022-11-17
[86] 2021-06-09 (PCT/AU2021/050581)
[87] (WO2021/248188)
[30] AU (2020901889) 2020-06-09

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[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **MASTER-LESS DEVICE COORDINATION IN LOCATION POSITIONING SYSTEM**
[54] **COORDINATION DE DISPOSITIF SANS MAITRE DANS UN SYSTEME DE POSITIONNEMENT D'EMPLACEMENT**
[72] BAKKA, ENDRE, NO
[72] BOOIJ, WILFRED EDWIN, NO
[71] FORKBEARD TECHNOLOGIES AS, NO
[85] 2022-11-17
[86] 2021-06-03 (PCT/IB2021/054879)
[87] (WO2021/245597)
[30] US (16/892,049) 2020-06-03

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[13] A1
[51] **Int.Cl. C07K 16/40 (2006.01)**
[25] EN
[54] **PCSK9 INHIBITORS AND METHODS OF USE THEREOF TO TREAT CHOLESTEROL-RELATED DISORDERS**
[54] **INHIBITEURS DE LA PCSK9 ET METHODES D'UTILISATION DE CEUX-CI POUR TRAITER DES TROUBLES LIEES AU CHOLESTEROL**
[72] HAMER, ANDREW W., US
[72] BRIDGES, IAN MATTHEW, US
[72] WANG, HUEI, US
[72] RUZZA, ANDREA, US
[72] KURTZ, CHRISTOPHER, US
[71] AMGEN INC., US
[85] 2022-11-17
[86] 2021-05-27 (PCT/US2021/034489)
[87] (WO2021/243002)
[30] US (63/032,451) 2020-05-29

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **METHODS FOR THE PROPHYLAXIS AND TREATMENT OF COVID AND COVID-19**
[54] **METHODES POUR LA PROPHYLAXIE ET LE TRAITEMENT DE LA COVID ET DE LA COVID-19**
[72] TRAN, LLOYD HUNG LOI, US
[71] TRAN, LLOYD HUNG LOI, US
[85] 2022-11-18
[86] 2021-04-17 (PCT/US2021/027848)
[87] (WO2021/216385)
[30] US (63/012,432) 2020-04-20
[30] US (63/018,768) 2020-05-01
[30] US (63/170,350) 2021-04-02
[30] US (63/037,373) 2020-06-10
[30] US (63/032,116) 2020-05-29
[30] US (63/041,812) 2020-06-19

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[13] A1
[51] **Int.Cl. A61M 5/152 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **INFUSION PUMP FLOW RATE CONTROL**
[54] **REGULATION DE DEBIT DE POMPE A PERFUSION**
[72] FRANKS, BRETT, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033483)
[87] (WO2021/242615)
[30] US (63/030,232) 2020-05-26

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[13] A1
[51] **Int.Cl. A61F 2/16 (2006.01) G02C 7/02 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **OPHTHALMIC LENS**
[54]
[72] CURATOLO, MARIA CRISTINA, IT
[72] FRISON, RENATO, IT
[71] SIFI S.P.A., IT
[85] 2022-11-18
[86] 2021-05-28 (PCT/IB2021/054705)
[87] (WO2021/240465)
[30] IT (102020000012721) 2020-05-28

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[13] A1
[51] **Int.Cl. G16H 40/60 (2018.01)**
[25] EN
[54] **PATIENT CARE UNIT ORDER CONFIRMATION**
[54] **CONFIRMATION DE COMMANDE D'UNITE DE SOINS DE PATIENT**
[72] CHEN, EVAN, US
[72] DIGGETT, LISA, US
[72] REGEDANZ, ROBERT, US
[72] WORKMAN, MICHAEL, US
[71] CAREFUSION 303, INC., US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033253)
[87] (WO2021/236835)
[30] US (63/029,300) 2020-05-22

[21] **3,179,355**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **BONE MILLING MODULE WITH LOCKING MECHANISM AND RELATED SYSTEMS**
[54] **MODULE DE FRAISAGE D'OS AVEC MECANISME DE VERROUILLAGE ET SYSTEMES ASSOCIES**
[72] BABARIS, ROBIN B. W., US
[72] HOFFMANN, AARON LEVI, US
[72] LECLERCQ, MATTHEW GLENN, US
[72] WROBLEWSKI, JASON JAMES, US
[71] STRYKER CORPORATION, US
[85] 2022-11-18
[86] 2021-05-24 (PCT/US2021/033859)
[87] (WO2021/237200)
[30] US (63/028,661) 2020-05-22

[21] **3,179,357**
[13] A1
[25] FR
[54] **DEVICE AND METHOD FOR ACQUIRING IMAGES OF A PAIR OF SPECTACLES**
[54] **DISPOSITIF ET PROCEDE POUR L'ACQUISITION D'IMAGES D'UNE PAIRE DE LUNETTES**
[72] MOBUCHON, PASCAL, FR
[72] SAYAG, JEAN-PHILIPPE, FR
[71] ACEP TRYLIVE, FR
[85] 2022-11-18
[86] 2021-06-08 (PCT/EP2021/065338)
[87] (WO2021/250027)
[30] FR (FR2006159) 2020-06-12

[21] **3,179,368**
[13] A1
[51] **Int.Cl. G06T 5/50 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL EXTENDED DEPTH-OF-FIELD METHOD FOR AUTOMATED DIGITAL CYTOLOGY**
[54] **PROCEDE A PROFONDEUR DE CHAMP ETENDUE A CANAUX MULTIPLES POUR CYTOLOGIE NUMERIQUE AUTOMATISEE**
[72] BOUYSSOUX, ALEXANDRE, FR
[72] FEZZANI, RIADH, FR
[72] OLIVO-MARIN, JEAN-CHRISTOPHE, FR
[71] VITADX INTERNATIONAL, FR
[71] INSTITUT PASTEUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2022-11-18
[86] 2021-06-04 (PCT/EP2021/065055)
[87] (WO2021/245262)
[30] EP (20305602.3) 2020-06-05

[21] **3,179,389**
[13] A1
[51] **Int.Cl. C12Q 1/6888 (2018.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING VIRUS PARTICLES AND KITS THEREFOR**
[54] **PROCEDE DE DETECTION DE PARTICULES VIRALES ET KITS ASSOCIES**
[72] LOIBNER, HANS, AT
[72] POGLITSCH, MARKO, AT
[71] COVIRABIO GMBH, AT
[85] 2022-11-18
[86] 2021-06-02 (PCT/EP2021/064857)
[87] (WO2021/245170)
[30] AT (A 50486/2020) 2020-06-04

[21] **3,179,392**
[13] A1
[51] **Int.Cl. A61B 1/04 (2006.01) A61B 1/05 (2006.01) A61B 1/06 (2006.01) A61B 1/267 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **ROBOTIC-ASSISTED NAVIGATION AND CONTROL FOR AIRWAY MANAGEMENT PROCEDURES, ASSEMBLIES AND SYSTEMS**
[54] **NAVIGATION ET COMMANDE ASSISTEES PAR ROBOT POUR PROCEDURES, ENSEMBLES ET SYSTEMES DE GESTION DES VOIES RESPIRATOIRES**
[72] NEKHENDZY, VLADIMIR, US
[72] SOKOLOV, DIMITRI, US
[72] BALTER, VALENTIN, US
[71] SPIRO ROBOTICS, INC., US
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/033015)
[87] (WO2021/236677)
[30] US (63/026,963) 2020-05-19
[30] US (63/150,558) 2021-02-17
[30] US (63/159,348) 2021-03-10

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[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/497 (2006.01) A61K 31/5377 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **NEW PYRAZINE COMPOUND**
[54] **NOUVEAU COMPOSE DE PYRAZINE**
[72] XIE, YULI, CN
[72] WU, YINGMING, CN
[72] FAN, HOUXING, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2022-11-18
[86] 2021-06-01 (PCT/CN2021/097583)
[87] (WO2021/244505)
[30] CN (202010486394.1) 2020-06-01
[30] CN (202010947590.4) 2020-09-10
[30] CN (202110587528.3) 2021-05-27

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[13] A1
[51] **Int.Cl. F24F 8/22 (2021.01) A61L 9/20 (2006.01)**
[25] EN
[54] **DECONTAMINATION DEVICE FOR INHALED AND EXHALED VENTILATOR GASES**
[54] **DISPOSITIF DE DECONTAMINATION POUR GAZ DE VENTILATEUR INHALES ET EXPIRES**
[72] HABSHI, NADER M., US
[71] HABSHI, NADER M., US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033277)
[87] (WO2021/236856)
[30] US (63/027,342) 2020-05-19

[21] **3,179,402**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **GENE THERAPY DELIVERY OF PARKIN MUTANTS HAVING INCREASED ACTIVITY TO TREAT PARKINSON'S DISEASE**
[54] **ADMINISTRATION DE THERAPIE GENIQUE DE MUTANTS DE LA PARKINE AYANT UNE ACTIVITE ACCRUE POUR TRAITER LA MALADIE DE PARKINSON**
[72] JOHNSTON, JENNIFER, US
[71] NYSNOBIO GT, LLC, US
[85] 2022-11-18
[86] 2021-05-21 (PCT/US2021/033758)
[87] (WO2021/237158)
[30] US (63/028,335) 2020-05-21

[21] **3,179,403**
[13] A1
[51] **Int.Cl. E21B 43/267 (2006.01)**
[25] EN
[54] **OILFIELD PRESSURE PUMPING SYSTEM WITH SLOW SPEED AND HIGH PRESSURE FRACTURING FLUID OUTPUT**
[54] **SYSTEME DE POMPAGE DE COMPRESSION DE CHAMP PETROLIFERE COMPORTANT UNE SORTIE DE FLUIDE DE FRACTURATION A VITESSE LENTE ET A HAUTE PRESSION**
[72] WILSON, EDWIN E., US
[71] TWIN DISC, INC., US
[85] 2022-11-18
[86] 2021-06-22 (PCT/US2021/038402)
[87] (WO2021/262668)
[30] US (63/042,231) 2020-06-22

[21] **3,179,405**
[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/4439 (2006.01) A61K 45/06 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING ACUTE KIDNEY INJURY**
[54] **METHODES ET COMPOSITIONS POUR TRAITER UNE LESION RENALE AIGUE**
[72] STAUDERMAN, KENNETH A., US
[72] DUNN, MICHAEL, US
[72] HEBBAR, SUDARSHAN, US
[72] LEHENY, RACHEL, US
[71] CALCIMEDICA, INC., US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033237)
[87] (WO2021/236820)
[30] US (63/027,800) 2020-05-20

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[13] A1
[51] **Int.Cl. C12N 15/50 (2006.01) A61P 31/14 (2006.01) C07K 14/165 (2006.01)**
[25] EN
[54] **MRNA OR MRNA COMPOSITION, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **ARNM OU COMPOSITION D'ARNM, PROCEDE DE PREPARATION A CET EFFET ET APPLICATION ASSOCIEE**
[72] ZHU, TAO, CN
[72] WANG, HAOMENG, CN
[72] LI, JIN, CN
[72] YAN, QIAOLING, CN
[72] SHEN, CHUNLIN, CN
[72] SHAO, ZHONGQI, CN
[72] LI, JUNQIANG, CN
[72] YU, XUEFENG, CN
[72] CHAO, SHOUBAI, CN
[71] CANSINO (SHANGHAI) BIOTECHNOLOGIES CO.,LTD, CN
[85] 2022-11-18
[86] 2021-05-14 (PCT/CN2021/093741)
[87] (WO2021/233213)
[30] CN (202010419984.2) 2020-05-18

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[13] A1
[51] **Int.Cl. H04W 4/06 (2009.01) H04W 36/00 (2009.01)**
[25] EN
[54] **5G MULTICAST BROADCAST SERVICE HANDOVER**
[54] **TRANSFERT INTERCELLULAIRE DE SERVICE DE DIFFUSION MULTIDIFFUSION 5G**
[72] SCHLIWA-BERTLING, PAUL, SE
[72] VESELY, ALEXANDER, AT
[72] RONNEKE, HANS BERTIL, SE
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2022-11-18
[86] 2021-05-20 (PCT/IB2021/054392)
[87] (WO2021/234635)
[30] US (63/029,116) 2020-05-22

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[13] A1
[51] **Int.Cl. A47K 3/00 (2006.01) A47B 81/00 (2006.01) E04H 1/12 (2006.01)**
[25] EN
[54] **NESTABLE AND DRAINABLE SHOWER NICHE INSERT SYSTEM**
[54] **SYSTEME D'INSERT DE NICHE DE DOUCHE POUVANT ETRE EMBOITE ET VIDANGE**
[72] MANTENUTO, PAOLO, CA
[71] 2721111 ONTARIO INC., CA
[85] 2022-11-18
[86] 2020-07-16 (PCT/CA2020/050867)
[87] (3179415)

[21] **3,179,418**
[13] A1
[51] **Int.Cl. B65B 51/04 (2006.01)**
[25] EN
[54] **AUTOMATED BAG CLOSURE**
[54] **FERMETURE DE SAC AUTOMATISEE**
[72] KUBISHTA, KEITH, US
[71] KWIK LOK CORPORATION, US
[85] 2022-11-18
[86] 2020-06-03 (PCT/US2020/035955)
[87] (WO2021/247018)

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **CORONAVIRUS ANTIGEN COMPOSITIONS AND THEIR USES**
[54] **COMPOSITIONS D'ANTIGENES DE CORONAVIRUS ET LEURS UTILISATIONS**
[72] KAHVEJIAN, AVAK, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] ECHELARD, YANN PAUL GUY REGIS, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] HAJJAR, ROGER JOSEPH, US
[72] MELFI, MICHAEL DONATO, US
[72] NELSON, JENNIFER A., US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033490)
[87] (WO2021/236980)
[30] US (63/027,932) 2020-05-20
[30] US (63/034,704) 2020-06-04
[30] US (63/068,936) 2020-08-21
[30] US (63/074,442) 2020-09-03
[30] US (63/125,778) 2020-12-15

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[13] A1
[51] **Int.Cl. F24F 11/48 (2018.01) F24F 11/50 (2018.01) F24F 11/56 (2018.01) F24F 11/74 (2018.01) F24F 11/77 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMMISSIONING FRESH AIR INTAKE CONTROL**
[54] **SYSTEME ET PROCEDE DE MISE EN SERVICE D'UNE COMMANDE D'ADMISSION D'AIR FRAIS**
[72] LIU, JIBO, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2022-11-18
[86] 2021-05-07 (PCT/US2021/031205)
[87] (WO2021/247196)
[30] US (16/891,505) 2020-06-03

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[51] **Int.Cl. A63C 5/16 (2006.01) A63C 5/02 (2006.01) A63C 5/03 (2006.01) B62B 13/10 (2006.01)**
[25] EN
[54] **SKI WINTER SPORTS DEVICE, MORE PARTICULARLY SKI TRIKE, FOR DOWNHILL SLIDING WITH THREE SKIS**
[54] **DISPOSITIF DE SPORT D'HIVER A SKIS, PLUS PARTICULIEREMENT TRICYCLE DE SKI, POUR GLISSER EN DESCENTE, COMPORTANT TROIS SKIS**
[72] DOBRIN, ALIN, AT
[71] REALIZATION BY INVESTMENT 4.0 RISIKOKAPITALGESELLSCHAFT MBH, DE
[71] DOBRIN, ALIN, AT
[85] 2022-11-18
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[87] (WO2021/234039)
[30] DE (10 2020 002 987.6) 2020-05-19

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[51] **Int.Cl. F24F 1/42 (2011.01)**
[25] EN
[54] **REFRIGERATION SYSTEM WITH ADIABATIC ELECTROSTATIC COOLING DEVICE**
[54] **SYSTEME FRIGORIFIQUE DOTE D'UN DISPOSITIF DE REFROIDISSEMENT ELECTROSTATIQUE ADIABATIQUE**
[72] BITTNER, JOHN D., US
[71] HILL PHOENIX, INC., US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033114)
[87] (WO2021/236742)
[30] US (16/878,730) 2020-05-20

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[25] EN
[54] **METHODS AND COMPOSITIONS TO TREAT VASCULAR LEAK**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER LA FUITE VASCULAIRE**
[72] SIMONS, MICHAEL, US
[72] CORTI, FEDERICO, US
[71] YALE UNIVERSITY, US
[85] 2022-11-18
[86] 2021-05-21 (PCT/US2021/033759)
[87] (WO2021/237159)
[30] US (63/029,062) 2020-05-22

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[51] **Int.Cl. C07K 7/06 (2006.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01)**
[25] EN
[54] **NOVEL NUCLEOLIN-BINDING PEPTIDE AND USE THEREOF**
[54] **NOUVEAU PEPTIDE DE LIAISON A LA NUCLEOLINE ET SON UTILISATION**
[72] KIM, JAEIL, KR
[72] NAM, JEONG-SEOK, KR
[72] KIM, JAE-HYUN, KR
[72] RYU, JAE-HA, KR
[71] ANYGEN CO., LTD., KR
[85] 2022-11-18
[86] 2021-05-18 (PCT/IB2021/054235)
[87] (WO2021/234550)
[30] KR (10-2020-0059487) 2020-05-19

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[25] EN
[54] **AUTOMATIC IRONING APPARATUS**
[54] **APPAREIL DE REPASSAGE AUTOMATIQUE**
[72] CHARPENAY, JOSSELIN MENG NORBERT, AU
[71] EINSEN INNOVATIONS PTY LTD, AU
[85] 2022-11-18
[86] 2021-06-03 (PCT/AU2021/050552)
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[30] AU (2020901827) 2020-06-03

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[51] **Int.Cl. A61H 1/02 (2006.01) A63B 21/00 (2006.01) A63B 21/002 (2006.01) A63B 21/02 (2006.01) A63B 21/055 (2006.01) A63B 23/035 (2006.01)**
[25] EN
[54] **YOGA BAND AND METHOD OF USING SAID YOGA BAND TO PERFORM A YOGA POSE**
[54] **SANGLE DE YOGA ET PROCEDE D'UTILISATION DE LADITE SANGLE DE YOGA POUR REALISER UNE POSTURE DE YOGA**
[72] SCHEPISI, ROSEMARIE J., US
[71] SCHEPISI, ROSEMARIE J., US
[85] 2022-11-18
[86] 2021-04-23 (PCT/US2021/028988)
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[30] US (63/029,192) 2020-05-22

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[51] **Int.Cl. A61B 18/14 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR NON-INVASIVE FRACTIONAL TREATMENT OF SKIN TISSUE**
[54] **APPAREIL ET METHODE DE TRAITEMENT FRACTIONNE NON INVASIF DE TISSU CUTANE**
[72] GERSHONOWITZ, AMIKAM, IL
[71] POLLOGEN LTD., IL
[85] 2022-11-18
[86] 2021-05-19 (PCT/IB2021/054341)
[87] (WO2021/234609)
[30] US (63/027,754) 2020-05-20
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[51] **Int.Cl. C12P 5/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE BIOLOGICAL PRODUCTION OF HYDROGEN AND/OR METHANE BY ABSORPTION AND BIOLOGICAL CONVERSION OF CARBON DIOXIDE**
[54] **PROCEDE DE PRODUCTION BIOLOGIQUE D'HYDROGENE ET/OU DE METHANE PAR ABSORPTION ET CONVERSION BIOLOGIQUE DE DIOXYDE DE CARBONE**
[72] GALIANO, MICHELE, IT
[72] REVERSO, RICCARDO, IT
[71] BIOREWEAL S.R.L., IT
[71] BIORENOVA SOCIETA' PER AZIONI, IT
[85] 2022-11-18
[86] 2021-05-21 (PCT/EP2021/063588)
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[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **RECYCLABLE LAMINATED POLYOLEFIN-BASED FILM STRUCTURES**
[54] **STRUCTURES DE FILM A BASE DE POLYOLEFINE STRATIFIEE RECYCLABLE**
[72] JONES, ALEXANDER DAVID, US
[72] SAFFAR, AMIR, US
[72] BATTEN, PATRICK ALLEN, US
[72] MUELLER, LOUANN SUSAN, US
[72] FORTENBERRY, LOUIS VANCE, US
[72] DIGES, KYLIE NOEL, US
[72] TABATABAEI, SEYED HESAMODDIN, US
[71] PROAMPAC HOLDINGS INC., US
[85] 2022-11-18
[86] 2021-05-27 (PCT/US2021/034603)
[87] (WO2021/243071)
[30] US (63/030,612) 2020-05-27

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[51] **Int.Cl. A47C 20/02 (2006.01)**
[25] FR
[54] **FUNCTIONAL MATTRESS**
[54] **MATELAS FONCTIONNEL**
[72] KASSOUL, ABOUBAKR, FR
[71] KASSOUL, ABOUBAKR, FR
[85] 2022-11-18
[86] 2021-03-22 (PCT/FR2021/050470)
[87] (WO2021/234233)
[30] FR (FR2005417) 2020-05-21

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[51] **Int.Cl. C10G 1/00 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **CONFIGURABLE UNIVERSAL WELLBORE REACTOR SYSTEM**
[54] **SYSTEME DE REACTEUR DE PUITS DE FORAGE UNIVERSEL ET CONFIGURABLE**
[72] PRESLEY, GEOFFREY WARD, US
[72] VALENTI, THOMAS CHRISTINA, US
[72] MOHRBACHER, JESSE RONALD, US
[71] PYROPHASE, INC., US
[85] 2022-11-18
[86] 2021-05-21 (PCT/US2021/033736)
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[30] US (63/027,963) 2020-05-21

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[51] **Int.Cl. A61K 38/19 (2006.01)**
[25] EN
[54] **POLYPEPTIDE USEFUL IN ADOPTIVE CELL THERAPY**
[54] **POLYPEPTIDE UTILE DANS LA THERAPIE CELLULAIRE ADOPTIVE**
[72] MARTINEZ-LLORDELLA, MARC, GB
[72] BORNSCHEIN, SIMON, DE
[71] QUELL THERAPEUTICS LIMITED, GB
[85] 2022-11-18
[86] 2021-05-26 (PCT/EP2021/064053)
[87] (WO2021/239812)
[30] GB (2007842.4) 2020-05-26

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[51] **Int.Cl. A61K 8/67 (2006.01) A61K 31/352 (2006.01) A61K 31/37 (2006.01) A61K 31/60 (2006.01) A61P 17/10 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATING ACNE AND DERMATOLOGICAL CONDITIONS**
[54] **COMPOSITIONS POUR TRAITER L'ACNE ET DES MALADIES DERMATOLOGIQUES**
[72] WARRINGTON, BRIAN, US
[72] GROSSMAN, KARYN, US
[72] ODUMOSU, OLUDARE, US
[72] KEREKES, ZOLTAN, US
[71] ILERA DERM LLC, US
[85] 2022-11-18
[86] 2021-05-24 (PCT/US2021/033908)
[87] (WO2021/237214)
[30] US (63/028,857) 2020-05-22
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[51] **Int.Cl. G21C 17/108 (2006.01) G21C 19/22 (2006.01) G21G 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PERIODICALLY MEASURING THE TOTAL GAMMA RADIATION ACTIVITY OF A TARGET RADIOISOTOPE BEING PRODUCED INSIDE THE CORE OF A NUCLEAR REACTOR**
[54] **PROCEDE ET SYSTEME DE MESURE PERIODIQUE DE L'ACTIVITE DE RAYONNEMENT GAMMA TOTAL D'UN RADIO-ISOTOPE CIBLE PRODUIT A L'INTERIEUR DU C?UR D'UN REACTEUR NUCLEAIRE**
[72] HEIBEL, MICHAEL D., US
[72] PRIBLE, MICHAEL C., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-11-18
[86] 2021-05-14 (PCT/US2021/032518)
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[30] US (16/878,293) 2020-05-19

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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) A61P 31/16 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS IMMUNOGENES ET LEURS UTILISATIONS**
[72] KAHVEJIAN, AVAK, US
[72] DE BOER, ALEXANDRA SOPHIE, US
[72] ECHELARD, YANN PAUL GUY REGIS, US
[72] PLUGIS, NICHOLAS MCCARTNEY, US
[72] WEINSTEIN, ERICA GABRIELLE, US
[72] NELSON, JENNIFER A., US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033409)
[87] (WO2021/236930)
[30] US (63/027,932) 2020-05-20
[30] US (63/034,704) 2020-06-04
[30] US (63/068,936) 2020-08-21
[30] US (63/074,428) 2020-09-03
[30] US (63/074,442) 2020-09-03
[30] US (63/125,778) 2020-12-15
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[51] **Int.Cl. C07C 209/00 (2006.01) C07D 207/323 (2006.01) C07D 209/08 (2006.01)**
[25] EN
[54] **EFFICIENT AND SELECTIVE CONVERSION OF HIGH-DENSITY POLYETHYLENE INTO VALUABLE HYDROCARBONS**
[54] **CONVERSION EFFICACE ET SELECTIVE DE POLYETHYLENE HAUTE DENSITE EN HYDROCARBURES DE VALEUR**
[72] WANG, CHAO, US
[72] XIE, PENGFEI, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033478)
[87] (WO2021/236971)
[30] US (63/027,439) 2020-05-20

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[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FRACTIONAL TREATMENT OF SKIN TISSUE OF A PATIENT AND ELECTRODE FOR USE IN SAID APPARATUS**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT PAR BALAYAGE FRACTIONNE DU TISSU CUTANE D'UN PATIENT ET ELECTRODE DESTINEE A ETRE UTILISEE DANS LEDIT APPAREIL**
[72] GERSHONOWITZ, AMIKAM, IL
[71] POLLOGEN LTD., IL
[85] 2022-11-18
[86] 2021-05-19 (PCT/IB2021/054336)
[87] (WO2021/234605)
[30] US (63/027,754) 2020-05-20
[30] US (63/027,762) 2020-05-20

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[51] **Int.Cl. G09B 19/00 (2006.01)**
[25] EN
[54] **BREATH GUIDE DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE GUIDAGE DE RESPIRATION**
[72] MATHER, BEN, GB
[72] MCKEMEY, ALEX, GB
[71] BREATHPEN LIMITED, GB
[85] 2022-11-18
[86] 2021-05-21 (PCT/EP2021/063729)
[87] (WO2021/234177)
[30] GB (2007715.2) 2020-05-22

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[51] **Int.Cl. A01D 41/133 (2006.01) A01D 34/03 (2006.01) A01D 41/06 (2006.01) A01D 41/12 (2006.01)**
[25] EN
[54] **A HARVESTING MACHINE HAVING A MOISTURE REMOVAL MECHANISM**
[54] **MACHINE DE RECOLTE AYANT UN MECANISME D'ELIMINATION D'HUMIDITE**
[72] BAUM, RODGER, US
[72] BAUM, CHARLES, US
[71] BAUM MACHINE, INC., US
[85] 2022-11-18
[86] 2021-05-24 (PCT/US2021/033813)
[87] (WO2021/242661)
[30] US (16/884,134) 2020-05-27

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[13] A1
[51] **Int.Cl. A47B 97/00 (2006.01)**
[25] EN
[54] **APPARATUS TO FACILITATE PHYSICAL DISTANCING**
[54] **APPAREIL DESTINE A FACILITER UNE DISTANCIATION PHYSIQUE**
[72] KEANE LONDON, STEPHANIE, US
[72] LONDON, JOHN MICHAEL, US
[72] HOWARD, WILLET, US
[72] KELLEY, DAVID, US
[72] PEAREN, CHRISTOPHER, CA
[71] KEANE LONDON, STEPHANIE, US
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/032836)
[87] (WO2021/236557)
[30] US (16/880,485) 2020-05-21

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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 9/00 (2006.01) B32B 33/00 (2006.01)**
[25] EN
[54] **MULTI ADHESIVE LINERLESS LABEL MEDIA**
[54] **SUPPORT ETIQUETTE SANS PELLICULE MULTIADHESIF**
[72] VIGUNAS, MICHAEL, US
[72] THIAVILLE, CHARLES, US
[71] MCAULIFFE PAPER INC., US
[85] 2022-11-18
[86] 2021-05-27 (PCT/US2021/034402)
[87] (WO2021/242950)
[30] US (63/031,978) 2020-05-29
[30] US (17/330,927) 2021-05-26

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[51] **Int.Cl. H01L 27/15 (2006.01) H01L 33/04 (2010.01) H01L 33/06 (2010.01) H01S 5/34 (2006.01)**
[25] EN
[54] **QUANTUM WELL-BASED LED STRUCTURE ENHANCED WITH SIDEWALL HOLE INJECTION**
[54] **STRUCTURE DE DEL A BASE DE PUITS QUANTIQUE AMELIOREE AVEC INJECTION PAR PAROI LATERALE DE TROU**
[72] LEUNG, BENJAMIN, US
[72] TSAI, MIAO-CHAN, US
[71] GOOGLE LLC, US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033097)
[87] (WO2021/236732)
[30] US (63/027,069) 2020-05-19

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[13] A1
[51] **Int.Cl. E04B 2/76 (2006.01) E04B 2/74 (2006.01) E04B 2/78 (2006.01)**
[25] EN
[54] **STUD AND TRACK**
[54] **GOUJON ET PISTE**
[72] DHINJAN, BUDHA, GB
[71] DHINJAN, BUDHA, GB
[85] 2022-11-18
[86] 2021-05-18 (PCT/GB2021/051199)
[87] (WO2021/234374)
[30] GB (2007354.0) 2020-05-18

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[13] A1
[51] **Int.Cl. E21B 7/00 (2006.01) E21F 17/00 (2006.01) G05D 1/00 (2006.01)**
[25] EN
[54] **EXCAVATION INSPECTION AND CLEARANCE SYSTEM**
[54] **SYSTEME D'INSPECTION ET DE DEGAGEMENT D'EXCAVATION**
[72] CRONIN, JOE, AU
[72] ALLAN, MAT, AU
[71] AUSTRALIAN DROID & ROBOT PTY LTD, AU
[85] 2022-11-18
[86] 2021-05-20 (PCT/AU2021/050476)
[87] (WO2021/232106)
[30] AU (2020901631) 2020-05-20

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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE DENTAL MONITORING**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DENTAIRE NON INVASIVE**
[72] OREN-ARTZI, PAMELA SHARON, US
[72] LIPNIK, ALON LUIS, US
[72] SCHULHOF, ADAM BENJAMIN, US
[72] BEN-ARI, DAVID, US
[71] GET-GRIN INC., US
[85] 2022-11-18
[86] 2021-05-18 (PCT/US2021/032932)
[87] (WO2021/236616)
[30] US (63/027,883) 2020-05-20
[30] US (63/144,088) 2021-02-01

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[51] **Int.Cl. G01N 1/40 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **A HIGH-THROUGHPUT AND MASS-SPECTROMETRY-BASED METHOD FOR QUANTITATING ANTIBODIES**
[54] **PROCEDE A HAUT RENDEMENT ET A BASE DE SPECTROMETRIE DE MASSE POUR QUANTIFIER DES ANTICORPS**
[72] YAN, YUETIAN, US
[72] WANG, SHUNHAI, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-11-18
[86] 2021-06-07 (PCT/US2021/036170)
[87] (WO2021/252357)
[30] US (63/036,679) 2020-06-09

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 38/16 (2006.01) A61K 38/20 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **TREATMENT FOR VIRAL RESPIRATORY INFECTIONS**
[54] **TRAITEMENT POUR INFECTIONS RESPIRATOIRES VIRALES**
[72] NASSER, SYED MUHAMMAD TAHIR, GB
[71] BIOSIRIUS LTD, GB
[85] 2022-11-18
[86] 2021-05-19 (PCT/GB2021/051207)
[87] (WO2021/234381)
[30] GB (2007404.3) 2020-05-19

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[51] **Int.Cl. B07B 1/00 (2006.01)**
[25] EN
[54] **SCREENING APPARATUS**
[54] **APPAREIL DE CRIBLAGE**
[72] RAFFERTY, NIGEL, GB
[72] RAFFERTY, DESMOND, GB
[71] M&K HOLDINGS (IRELAND) LIMITED, GB
[85] 2022-11-18
[86] 2021-07-19 (PCT/EP2021/070159)
[87] (WO2022/018032)
[30] GB (2011314.8) 2020-07-22

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[51] **Int.Cl. H01M 50/178 (2021.01) H01G 11/80 (2013.01) H01M 50/105 (2021.01) H01M 50/184 (2021.01) H01M 50/548 (2021.01)**
[25] EN
[54] **SEALING FILM, ELECTRODE LEAD MEMBER, AND BATTERY**
[54] **FILM D'ETANCHEITE, ELEMENT CONDUCTEUR D'ELECTRODE ET BATTERIE**
[72] TAKEYAMA, SHUNSUKE, JP
[72] SAKURAGI, TAKANORI, JP
[72] MEGURO, ATSUFUMI, JP
[72] SHIMIZU, TAKASHI, JP
[71] FUJIMORI KOGYO CO., LTD., JP
[85] 2022-11-18
[86] 2021-05-25 (PCT/JP2021/019758)
[87] (WO2021/241560)
[30] JP (2020-090651) 2020-05-25

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[13] A1
[51] **Int.Cl. A01G 22/05 (2018.01)**
[25] EN
[54] **METHOD FOR CULTIVATING STRAWBERRY**
[54] **METHODE DE CULTURE DE LA FRAISE**
[72] MATSUDA, YUKI, JP
[71] MD-FARM INC., JP
[85] 2022-11-18
[86] 2020-05-19 (PCT/JP2020/019804)
[87] (WO2021/234823)

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[13] A1
[51] **Int.Cl. G21C 19/46 (2006.01) B01J 39/04 (2017.01) C01G 43/025 (2006.01) C22B 3/28 (2006.01) G21G 4/08 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SEPARATION OF THORIUM FROM URANIUM AND THEIR DECAY PRODUCTS**
[54] **PROCEDES ET SYSTEMES POUR LA SEPARATION DU THORIUM DE L'URANIUM ET LEURS PRODUITS DE DESINTEGRATION**
[72] LYONS, JOHN, US
[72] LAHODA, EDWARD J., US
[72] ICKES, MICHAEL R., US
[72] FLAHIVE, DANIEL C., US
[72] GIFT, FRANK C., US
[72] LENZKE, WILLIAM F., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-11-18
[86] 2021-05-14 (PCT/US2021/032418)
[87] (WO2021/236435)
[30] US (16/877,156) 2020-05-18

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[13] A1
[51] **Int.Cl. D03D 13/00 (2006.01) D06B 3/18 (2006.01)**
[25] EN
[54] **WOOL FABRIC WITH STRETCH PROPERTIES AND GARMENTS MADE THEREFROM**
[54] **TISSU DE LAINE A PROPRIETES D'EXTENSIBILITE ET VETEMENTS FABRIQUES A PARTIR DE CELUI-CI**
[72] AUBREY, THOMAS F., US
[72] BENNINGHOFF, SEAN P., US
[72] DILANNI, WILLIAM J., US
[72] BUTTERFIELD, MICHAEL N., US
[72] JONES, GRIFFIN, US
[71] BURLINGTON INDUSTRIES LLC, US
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[87] (WO2021/237080)
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[54] **POWER HEADROOM REPORT FOR A SERVING CELL**
[54] **RAPPORT DE MARGE DE PUISSANCE POUR UNE CELLULE DE DESSERTE**
[72] KOSKELA, JARKKO, FI
[72] TURTINEN, SAMULI, FI
[72] WU, CHUNLI, CN
[72] HENTTONEN, TERO, FI
[71] NOKIA TECHNOLOGIES OY, FI
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[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/64 (2017.01) A61K 38/00 (2006.01) A61K 38/26 (2006.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/22 (2006.01) A61K 47/26 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **LIQUID FORMULATION OF LONG-ACTING CONJUGATE OF GLP-2**
[54] **FORMULATION LIQUIDE DE CONJUGUE A ACTION PROLONGEE DE GLP-2**
[72] HONG, SUNG HEE, KR
[72] KIM, SANG YUN, KR
[72] KIM, MIN YOUNG, KR
[72] BAE, SUNG MIN, KR
[71] HANMI PHARM. CO., LTD., KR
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[30] KR (10-2020-0061878) 2020-05-22

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[25] EN
[54] **AUTOMATED LIQUID DISPENSING SYSTEMS**
[54] **SYSTEMES AUTOMATISES DE DISTRIBUTION DE LIQUIDES**
[72] ROBERTSON, ARCHIBALD DONALD, CA
[72] SCHNEIDER, KIERAN, AU
[72] HAVLIK, JAN, CA
[71] AUSTRALIAN LABORATORY SERVICES PTY. LTD., AU
[85] 2022-11-18
[86] 2021-06-01 (PCT/CA2021/050744)
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[30] US (63/034,773) 2020-06-04

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[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/63 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **TDD TRACKING APPROACHES FOR INSULIN DELIVERY SYSTEMS, METHODS, AND DEVICES**
[54] **APPROCHES DE SUIVI DE DQT POUR SYSTEMES, METHODES, ET DISPOSITIFS D'ADMINISTRATION D'INSULINE**
[72] BARTEE, AMY KATHLEEN, US
[72] HAIDAR, AHMAD MOHAMAD, US
[72] JONES, RICHARD EARL JR., US
[71] ELI LILLY AND COMPANY, US
[85] 2022-11-18
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[25] EN
[54] **HVAC SYSTEM FOR INDOOR AGRICULTURE**
[54] **SYSTEME DE CHAUFFAGE, VENTILATION ET CLIMATISATION (HVAC) POUR L'AGRICULTURE EN INTERIEUR**
[72] DAY, MICHAEL SEAN, US
[72] OPATZ, AARON E., US
[72] LIUDAHL, LANE A., US
[71] TRANE INTERNATIONAL INC., US
[85] 2022-11-18
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[25] EN
[54] **CLAM-SHELL MOBILE DEVICE PROTECTOR**
[54] **PROTECTEUR DE DISPOSITIF MOBILE A DOUBLE COQUE**
[72] KELLEY, STEVEN, US
[72] TERRELL, LEKEITH, US
[71] DROKS HEALTHCARE, L.L.C., US
[85] 2022-11-18
[86] 2021-04-26 (PCT/US2021/029178)
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[51] **Int.Cl. H01Q 3/46 (2006.01) H01Q 15/08 (2006.01) H01Q 19/06 (2006.01)**
[25] EN
[54] **A HIGH-GAIN, HEMI-SPHERICAL COVERAGE, MULTI-SIDED FLATTENED LUNEBURG LENS ANTENNA**
[54] **ANTENNE A LENTILLE DE LUNEBURG APLATIE MULTIFACE, A COUVERTURE HEMISPHERIQUE ET A GAIN ELEVE**
[72] BISWAS, SOUMITRA, US
[72] JETMUNDSEN, HOWARD, US
[72] ROGERS, SHAWN, US
[71] APOTHYM TECHNOLOGIES GROUP, LLC, US
[85] 2022-11-18
[86] 2021-05-19 (PCT/US2021/033239)
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[30] US (63/027,142) 2020-05-19

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[25] EN
[54] **ANTI-LIMESCALE COMPOSITION**
[54] **COMPOSITION ANTI-CALCAIRE**
[72] MELE, ANDREA, IT
[72] FERRO, MONICA, IT
[72] COLOMBO DUGONI, GRETA, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-11-18
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[51] **Int.Cl. G01T 1/178 (2006.01) G01T 1/24 (2006.01) G01T 7/06 (2006.01)**
[25] EN
[54] **RADON DETECTION WITH A THREE-PART DIFFUSION CHAMBER AND SCINTILLATION COATING OVER AN EXTENDED SURFACE**
[54] **DETECTION DU RADON AVEC CHAMBRE DE DIFFUSION EN TROIS PARTIES ET REVETEMENT DE SCINTILLATION SUR UNE SURFACE ETENDUE**
[72] GORDON, JULIAN, US
[72] BRYA, THOMAS, US
[71] AIRANSWERS, INC., US
[85] 2022-11-18
[86] 2021-05-20 (PCT/US2021/033304)
[87] (WO2021/236870)
[30] US (63/028,108) 2020-05-21

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[51] **Int.Cl. B09B 3/00 (2022.01) H01M 10/54 (2006.01)**
[25] EN
[54] **RECOVERY OF CRITICAL ELEMENTS FROM END-OF-LIFE LITHIUM ION BATTERIES WITH SUPPORTED MEMBRANE SOLVENT EXTRACTION**
[54] **RECUPERATION D'ELEMENTS CRITIQUES A PARTIR DE BATTERIES AU LITHIUM-ION EN FIN DE VIE AU MOYEN D'UNE EXTRACTION PAR SOLVANT AVEC UNE MEMBRANE SUR SUPPORT**
[72] BHAVE, RAMESH R., US
[72] ISLAM, SYED Z., US
[72] WAGH, PRIYESH A., US
[71] UT-BATTELLE, LLC, US
[85] 2022-11-18
[86] 2021-04-15 (PCT/US2021/027380)
[87] (WO2021/242429)
[30] US (16/884,189) 2020-05-27

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[51] **Int.Cl. E04H 17/18 (2006.01) E01F 13/02 (2006.01) E01F 15/10 (2006.01)**
[25] EN
[54] **TEMPORARY BARRIER FENCING**
[54] **CLOTURE BARRIERE TEMPORAIRE**
[72] VADAS, JAMES, AU
[71] NO THRU IP PTY LTD, AU
[85] 2022-11-19
[86] 2021-06-03 (PCT/AU2021/050550)
[87] (WO2021/243411)
[30] AU (2020901816) 2020-06-03
[30] AU (2020902381) 2020-07-10
[30] AU (2020903895) 2020-10-27
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[51] **Int.Cl. B65F 1/00 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **RESIDUES-COMPACTING CONTAINER WITH DISINFECTION SYSTEM**
[54] **CONTENANT COMPACTEUR DE RESIDUS AVEC SYSTEME DE DESINFECTION**
[72] DUENAS SANCHEZ, SILVERIO, ES
[71] DUENAS SANCHEZ, SILVERIO, ES
[85] 2022-11-21
[86] 2021-05-20 (PCT/ES2021/070365)
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[30] ES (P202030475) 2020-05-22

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[25] EN
[54] **APPARATUS COMPRISING A HYGIENIC COOLING SYSTEM AND METHOD**
[54] **APPAREIL COMPRENANT UN SYSTEME DE REFROIDISSEMENT HYGIENIQUE ET PROCEDE**
[72] CHEVALIER, JEAN-FRANCOIS, FR
[72] MARCILLA, RAFAEL, FR
[71] SOCIETE DES PRODUITS NESTLE SA, CH
[85] 2022-11-21
[86] 2021-06-28 (PCT/EP2021/067664)
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[51] **Int.Cl. G01S 19/04 (2010.01)**
[25] EN
[54] **REAL-TIME KINEMATIC (RTK) POSITIONING SYSTEM, BASE STATION AND METHODS FOR CALIBRATING AND OPERATING**
[54] **SYSTEME DE POSITIONNEMENT CINEMATIQUE EN TEMPS REEL (RTK), STATION DE BASE ET PROCEDES D'ETALONNAGE ET DE FONCTIONNEMENT**
[72] STOFFREGEN, JAN-PATRICK, DE
[72] QUANTMEYER, CHRISTIAN, DE
[72] RUDOLPH, SEBASTIAN, DE
[72] SCHEUERMANN, ENRICO B., DE
[71] KWS SAAT SE & CO. KGAA, DE
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[51] **Int.Cl. E06B 9/72 (2006.01)**
[25] EN
[54] **MOTOR SHAFT STABILIZER**
[54] **STABILISATEUR D'ARBRE DE MOTEUR**
[72] FRIMAN, OLLI T., US
[72] POWELL, GARRETT, US
[72] BURTON, ANDREW Y., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2022-11-21
[86] 2021-06-03 (PCT/US2021/035769)
[87] (WO2021/247914)
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[51] **Int.Cl. E04H 9/02 (2006.01) F16F 15/023 (2006.01)**
[25] EN
[54] **FLOATING-TYPE BASE ISOLATION SYSTEM**
[54]
[72] SHIMADA, TAKAHIRO, JP
[72] OTANI, AKIHITO, JP
[72] KAI, SATORU, JP
[72] YAN, XINGLONG, JP
[72] YAMAMOTO, TOMOHIKO, JP
[71] IHI CORPORATION, JP
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[86] 2021-05-24 (PCT/JP2021/019572)
[87] (WO2021/246220)
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[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/13 (2018.01) G16H 20/17 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROGRAMMING A MEDICAL INFUSION PUMP**
[54] **SYSTEMES ET PROCEDES DE PROGRAMMATION D'UNE POMPE A PERFUSION MEDICALE**
[72] ELLIASON, KURT L., US
[72] EALY, TIMOTHY E., US
[71] SMITHS MEDICAL ASD, INC., US
[85] 2022-11-21
[86] 2021-05-26 (PCT/US2021/070605)
[87] (WO2021/243357)
[30] US (63/030,724) 2020-05-27

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[51] **Int.Cl. G16H 20/10 (2018.01) G16H 20/17 (2018.01)**
[25] EN
[54] **INSULIN DELIVERY SYSTEMS, METHODS, AND DEVICES**
[54] **SYSTEMES, METHODES, ET DISPOSITIFS D'ADMINISTRATION D'INSULINE**
[72] HAIDAR, AHMAD MOHAMAD, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-11-21
[86] 2021-05-20 (PCT/US2021/033293)
[87] (WO2021/236864)
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[51] **Int.Cl. B23B 5/16 (2006.01)**
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[54] **DUAL CONTAINED PIPE SCRAPER**
[54] **RACLEUR DE TUYAU DOUBLE CONTENU**
[72] ARCHER, WAYNE, GB
[71] GLYNWED PIPE SYSTEMS LTD, GB
[85] 2022-11-21
[86] 2021-05-28 (PCT/GB2021/051324)
[87] (WO2021/245385)
[30] GB (2008242.6) 2020-06-02

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[51] **Int.Cl. C08G 77/442 (2006.01) C08F 283/12 (2006.01)**
[25] EN
[54] **BURNISH AND MAR RESISTANT RESIN FOR CLEAR AND PIGMENTED COATINGS**
[54] **RESINE RESISTANTE AU BRUNISSEMENT ET A L'ABRASION POUR REVETEMENTS TRANSPARENTS ET PIGMENTES**
[72] LI, JIGUI, US
[72] ZIEHM, CHRISTOPHER, US
[72] HICKEN, RYAN, US
[72] TARNG, MING-REN, US
[71] CIPO, CA
[71] BEHR PROCESS CORPORATION, US
[85] 2022-11-21
[86] 2021-05-28 (PCT/US2021/034699)
[87] (WO2021/243114)
[30] US (16/885,623) 2020-05-28
[30] US (16/917,029) 2020-06-30

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[13] A1
[51] **Int.Cl. A61F 9/00 (2006.01) G02C 7/02 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **STICK ON DEVICES USING PERIPHERAL DEFOCUS TO TREAT PROGRESSIVE REFRACTIVE ERROR**
[54] **BATONNET SUR DISPOSITIFS UTILISANT LA DEFOCALISATION PERIPHERIQUE POUR TRAITER UNE AMETROPIE PROGRESSIVE**
[72] KUBOTA, RYO, US
[72] BUSCEMI, PHILIP M., US
[72] GUPTA, AMITAVA, US
[72] BAUER, STEFAN, CH
[72] CROOK, BENJAMIN, CH
[72] SAUVET, JULIEN, CH
[71] ACUCELA INC., US
[85] 2022-11-21
[86] 2021-06-07 (PCT/US2021/036102)
[87] (WO2021/252320)
[30] US (63/036,234) 2020-06-08

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[51] **Int.Cl. A47J 31/42 (2006.01) A47J 42/44 (2006.01) A47J 42/50 (2006.01) A47J 43/07 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISPENSING GROUND COFFEE**
[54] **SYSTEME POUR DISTRIBUER DU CAFE MOULU**
[72] AIT, BOUZIAD YOUCEF, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-11-21
[86] 2021-05-11 (PCT/EP2021/062386)
[87] (WO2021/259549)
[30] EP (20181371.4) 2020-06-22

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[51] **Int.Cl. G01N 27/622 (2021.01) H01J 49/06 (2006.01)**
[25] EN
[54] **AN ION SHUTTER, A METHOD OF CONTROLLING ION SHUTTER, AND DETECTION METHODS AND APPARATUS**
[54] **OBTURATEUR IONIQUE, PROCEDE DE COMMANDE D'OBTURATEUR IONIQUE, ET PROCEDES ET APPAREIL DE DETECTION**
[72] ARNOLD, PAUL, GB
[72] ATKINSON, JONATHAN, GB
[72] CLARK, ALASTAIR, GB
[72] HUMPHREYS, ELIZABETH, GB
[71] SMITHS DETECTION-WATFORD LIMITED, GB
[85] 2022-11-21
[86] 2021-05-27 (PCT/GB2021/051289)
[87] (WO2021/240158)
[30] GB (2007945.5) 2020-05-27

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[51] **Int.Cl. C12Q 1/48 (2006.01) G16C 20/30 (2019.01) G16C 20/50 (2019.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DNA CYTOSINE CARBOXYMETHYLATION**
[54] **COMPOSITIONS ET PROCEDES POUR LA CARBOXYMETHYLATION DE LA CYTOSINE D'ADN**
[72] KOHLI, RAHUL, US
[72] WANG, TONG, US
[72] SCHUTSKY, EMILY, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2022-11-21
[86] 2021-05-19 (PCT/US2021/033169)
[87] (WO2021/236778)
[30] US (63/027,254) 2020-05-19

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[51] **Int.Cl. A61B 5/03 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING A PHYSIOLOGICAL PARAMETER ASSOCIATED WITH AN ANATOMICAL CAVITY**
[54] **SYSTEME ET PROCEDE DE DETERMINATION D'UN PARAMETRE PHYSIOLOGIQUE ASSOCIE A UNE CAVITE ANATOMIQUE**
[72] DRISCOLL, MARK, CA
[72] JACOBSON, NATASHA, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2022-11-21
[86] 2021-05-21 (PCT/CA2021/050696)
[87] (3179565)
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[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/024 (2006.01) A61B 5/053 (2021.01) A61B 5/08 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR WIRELESS ENERGY MANAGEMENT**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE GESTION D'ENERGIE SANS FIL**
[72] CHARTHAD, JAYANT, US
[72] WEBER, MARCUS, US
[71] ULINK LABS, INC., US
[85] 2022-11-21
[86] 2021-06-07 (PCT/US2021/036258)
[87] (WO2021/252397)
[30] US (63/036,302) 2020-06-08

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[51] **Int.Cl. B66B 15/04 (2006.01) B66B 15/02 (2006.01) B66D 3/04 (2006.01) H02G 7/14 (2006.01)**
[25] EN
[54] **ADDITIVE-COATED SHEAVE, METHOD OF MANUFACTURING THE SAME, AND METHODS OF REDUCING SOUND PRODUCED BY EQUIPMENT**
[54] **POULIE A REVETEMENT ADDITIF, SON PROCEDE DE FABRICATION, ET PROCEDES DE REDUCTION DU BRUIT PRODUIT PAR UN EQUIPEMENT**
[72] MACDONALD, DOUGLAS BRUCE, US
[72] HOLLIS, HARBY CARTER, US
[72] MORTON, JOHN JEREMIAH, US
[71] SHERMAN + REILLY, INC., US
[85] 2022-11-21
[86] 2021-05-21 (PCT/US2021/033627)
[87] (WO2021/237072)
[30] US (63/028,410) 2020-05-21

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[51] **Int.Cl. A61F 2/07 (2013.01)**
[25] EN
[54] **MULTI-BRANCH INTRALUMINAL DEVICES AND METHODS OF MAKING AND USING SAME**
[54] **DISPOSITIFS INTRALUMINAUX A BRANCHES MULTIPLES ET METHODES DE FABRICATION ET D'UTILISATION DE CEUX-CI**
[72] BIRDNO, MERRILL J., US
[72] KILGROW, BRET J., US
[72] MAJOLAGBE, KEHINDE ADEITUNU, US
[72] WARD, DEREK M., US
[72] YOUNG, PATRICK S., US
[71] W.L. GORE & ASSOCIATES, INC., US
[85] 2022-11-21
[86] 2021-06-10 (PCT/US2021/036844)
[87] (WO2021/252785)
[30] US (63/037,115) 2020-06-10

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[51] **Int.Cl. A63F 13/53 (2014.01) A63F 13/55 (2014.01) A63F 13/56 (2014.01) A63F 13/57 (2014.01) A63F 13/65 (2014.01)**
[25] EN
[54] **VIRTUAL SHOPPING/GAMING EXPERIENCE**
[54] **EXPERIENCE D'ACHAT/DE JEU VIRTUEL**
[72] CULLATHER, SCOTT, US
[71] INVNT LLC, US
[85] 2022-11-21
[86] 2021-03-25 (PCT/US2021/024202)
[87] (WO2021/236230)
[30] US (63/027,179) 2020-05-19
[30] US (17/211,526) 2021-03-24

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61P 27/02 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS VIRIONS WITH VARIANT CAPSIDS AND METHODS OF USE THEREOF**
[54] **VIRIONS DE VIRUS ADENO-ASSOCIES AVEC DES CAPSIDES VARIANTS ET LEURS PROCEDES D'UTILISATION**
[72] FLANNERY, JOHN G., US
[72] GELLER, SCOTT F., US
[72] GUERIN, KAREN I., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] NOVARTIS AG, CH
[85] 2022-11-21
[86] 2021-05-27 (PCT/US2021/034624)
[87] (WO2021/243085)
[30] US (63/032,206) 2020-05-29
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[51] **Int.Cl. G06N 10/00 (2022.01) G06G 7/48 (2006.01)**
[25] EN
[54] **QUANTUM ANALOG COMPUTING AT ROOM TEMPERATURE USING CONVENTIONAL ELECTRONIC CIRCUITRY**
[54] **CALCUL ANALOGIQUE QUANTIQUE A TEMPERATURE AMBIANTE AU MOYEN DE CIRCUITS ELECTRONIQUES CLASSIQUES**
[72] SELLIER, JEAN-MICHEL, CA
[72] KAPANOVA, KRISTINA, BG
[71] TECHNOLOGIES INFINITYQ INC., CA
[85] 2022-11-28
[86] 2021-05-28 (PCT/CA2021/050723)
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[30] US (63/032,426) 2020-05-29

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[51] **Int.Cl. G01N 29/22 (2006.01) G06F 7/00 (2006.01)**
[25] EN
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[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION ET D'ANALYSE DE CONSTRUCTION**
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[72] CARDWELL, RONNIE E., US
[72] MAXFIELD, TEAGUE, US
[72] MCNAMARA, ROBERT, US
[72] RYAN, JAMES COLBEY, US
[71] EXELON CLEARSIGHT, LLC, US
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[25] EN
[54] **ISOTHERMAL REAL-TIME PCR METHOD FOR DETERMINING PRESENCE OF A PRE-DETERMINED RNA SEQUENCE IN A SAMPLE**
[54] **PROCEDE DE PCR EN TEMPS REEL ISOTHERME POUR DETERMINER LA PRESENCE D'UNE SEQUENCE D'ARN PREDETERMINEE DANS UN ECHANTILLON**
[72] ZURCHER, SAMUEL, CH
[72] LUTHI, ALEXANDER, CH
[72] WEIBEL, LEA, CH
[71] ENDER DIAGNOSTICS AG, CH
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[25] EN
[54] **ISOTHERMAL REAL-TIME PCR METHOD FOR DETERMINING PRESENCE OF A PRE-DETERMINED NUCLEIC ACID SEQUENCE IN ANIMAL SAMPLES**
[54] **PROCEDE DE PCR ISOTHERME EN TEMPS REEL POUR DETERMINER LA PRESENCE D'UNE SEQUENCE D'ACIDE NUCLEIQUE PREDETERMINEE DANS DES ECHANTILLONS D'ANIMAUX**
[72] ZURCHER, SAMUEL, CH
[72] LUTHI, ALEXANDER, CH
[72] WEIBEL, LEA, CH
[71] LIVET AG, CH
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[51] **Int.Cl. H01H 13/14 (2006.01) H02N 2/18 (2006.01)**
[25] EN
[54] **SELF-GENERATION DEVICE**
[54] **DISPOSITIF AUTO-GENERATEUR**
[72] HUANG, YU, CN
[72] WU, WENJING, CN
[71] WU, WENJING, CN
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[54] **DRY CONTACT DISINFECTANT**
[54] **DESINFECTANT A CONTACT SEC**
[72] GREENE, KYLE, CA
[72] CLEMETT, JASON, CA
[72] CLEMETT, JACKSON, CA
[72] MCTAVISH, LESLIE, CA
[71] GREENE, KYLE, CA
[71] CLEMETT, JASON, CA
[71] CLEMETT, JACKSON, CA
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[13] A1
[25] EN
[54] **SINGLE-PHASE, RESISTOR-EQUIPPED AND PASSIVE ANTI-ICING AND DE-ICING CONTROL DEVICE FOR STRAIN TOWERS**
[54] **DISPOSITIF DE COMMANDE ANTIGIVRAGE ET DE DEGIVRAGE PASSIF, MONOPHASE ET DOTE D'UNE RESISTANCE POUR TOURS DE FIN DE COURSE**
[72] MO, SITE, CN
[72] LIU, SHOUWEN, CN
[72] LI, BIXIONG, CN
[72] LIU, TIANQI, CN
[72] ZENG, CHENGBI, CN
[72] MIAO, HONG, CN
[71] SICHUAN UNIVERSITY, CN
[71] STATE GRID HUBEI ELECTRIC POWER CO., LTD., CN
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[87] (3186299)
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[25] EN
[54] **PASSIVE, LOSSLESS AND SINGLE-PHASE ANTI-ICING AND DE-ICING CONTROL DEVICE FOR STRAIN TOWERS**
[54] **DISPOSITIF DE COMMANDE ANTIGIVRAGE ET DE DEGIVRAGE PASSIF, SANS PERTE ETMONOPHASE POUR TOURS DE FIN DE COURSE**
[72] MO,SITE, CN
[72] LIU, SHOUWEN, CN
[72] LI, BIXIONG, CN
[72] LIU, TIANQI, CN
[72] MIAO, HONG, CN
[72] ZENG, CHENGBI, CN
[71] SICHUAN UNIVERSITY, CN
[71] STATE GRID HUBEI ELECTRIC POWER CO., LTD., CN
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[25] EN
[54] **HOCKEY PANTS WITH FLOATING ABDOMINAL PROTECTION**
[54] **PANTALONS DE HOCKEY DOTES D'UNE PROTECTION ABDOMINALE FLOTTANTE**
[72] CLARK, STAN, CA
[72] WIART, NICOLE, CA
[72] LEMIEUX, ERIC, CA
[72] RICH, DAN, CA
[71] INA INTERNATIONAL LTD., CA
[85] 2022-12-21
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[54] **METHOD AND APPARATUS FOR ASSEMBLING A WINDING OF HAIRPINS**
[54] **METHODE ET APPAREIL POUR ASSEMBLER UN ENROULEMENT D'EPINGLES**
[72] RANALLI, GIUSEPPE, IT
[72] TANCREDI, SERGIO, IT
[72] LUCCHETTI, FRANCESCO, IT
[72] MICUCCI, MAURILIO, IT
[71] TECNOMATIC SPA, IT
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[87] (3186585)
[30] IT (102021000017636) 2021-07-05

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[51] **Int.Cl. B60R 25/30 (2013.01) B60R 25/40 (2013.01)**
[25] EN
[54] **CATALYTIC CONVERTER THEFT PREVENTION AND RECOVERY**
[54] **PREVENTION DE VOL ET RECUPERATION DE CONVERTISSEUR CATALYTIQUE**
[72] RICHARDI, MARK STEVEN, US
[72] ROLLINS, JOHN, US
[72] PETERSON, NATASHA, US
[72] BRACY, GREGORY DUFF, US
[71] CATRAK TECHNOLOGIES, INC., US
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[54] **LENTILLE DE CONTACT COLOREE**
[72] BROAD, ROBERT ANDREW, GB
[72] LIU, YUWEN, US
[72] MITCHELL, WILLIAM, GB
[71] COOPERVISION INTERNATIONAL LIMITED, GB
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[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/10 (2006.01)**
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[54] **DOWNHOLE DEVICE DART AND DOWNHOLE DEVICE**
[54] **FLECHE DE DISPOSITIF DE FOND DE PUITS ET DISPOSITIF DE FOND DE PUITS**
[72] TAKAHASHI, SHINYA, JP
[71] KUREHA CORPORATION, JP
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[51] **Int.Cl. A61K 31/428 (2006.01) A61P 25/00 (2006.01)**
[25] EN
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[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UN TROUBLE OBSESSIONNEL COMPULSIF**
[72] CORIC, VLADIMIR, US
[72] BERMAN, ROBERT, US
[72] AGUIAR, LOREN, US
[71] BIOHAVEN THERAPEUTICS LTD., US
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[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF FUNGAL INFECTIONS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'INFECTIONS FONGIQUES**
[72] SELSTED, MICHAEL E., US
[72] TRAN, DAT Q., US
[72] SCHAAL, JUSTIN B., US
[72] BASSO, VIRGINIA, US
[71] THE UNIVERSITY OF SOUTHERN CALIFORNIA, US
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[51] **Int.Cl. A61K 31/565 (2006.01) A61K 31/575 (2006.01) A61K 31/724 (2006.01)**
[25] EN
[54] **USE OF OXYGENATED CHOLESTEROL SULFATES FOR TREATING NEUROLOGICAL CONDITIONS, NEURODEGENERATIVE DISEASES, AND ADDICTION**
[54] **UTILISATION DE CHOLESTEROL-SULFATES OXYGENES POUR LE TRAITEMENT D'AFFECTIONS NEUROLOGIQUES, DE MALADIES NEURODEGENERATIVES ET D'UNE DEPENDANCE**
[72] REN, SHUNLIN, US
[72] WANG, YAPING, US
[72] LIN, WEIQI, US
[72] BROWN, JAMES E., US
[72] THEEUWES, FELIX, US
[71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[71] DURECT CORPORATION, US
[71] VIRGINIA COMMONWEALTH UNIVERSITY, US
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[86] 2021-06-25 (PCT/US2021/039199)
[87] (WO2021/263173)
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[30] US (63/127,905) 2020-12-18
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[30] US (63/146,563) 2021-02-05
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[30] US (63/146,566) 2021-02-05
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[51] **Int.Cl. A61K 31/565 (2006.01) A61K 31/575 (2006.01) A61K 31/724 (2006.01)**
[25] EN
[54] **USE OF OXYGENATED CHOLESTEROL SULFATES FOR TREATING AT LEAST ONE OF INSULIN RESISTANCE, DIABETES, AND PREDIABETES**
[54] **UTILISATION DE SULFATES DE CHOLESTEROL OXYGENES A DES FINS DE TRAITEMENT DE LA RESISTANCE A L'INSULINE ET/OU DU DIABETE ET/OU DU PREDIABETE**
[72] REN, SHUNLIN, US
[72] WANG, YAPING, US
[72] LIN, WEIQI, US
[72] BROWN, JAMES E., US
[72] BLASCHKE, TERRENCE, US
[71] DURECT CORPORATION, US
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[71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
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[30] US (63/044,631) 2020-06-26
[30] US (63/127,905) 2020-12-18
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[51] **Int.Cl. A61K 31/575 (2006.01) A61K 31/565 (2006.01) A61K 31/724 (2006.01)**
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[54] **USE OF OXYGENATED CHOLESTEROL SULFATES FOR TREATING INFLAMMATORY CONDITIONS**
[54] **UTILISATION DE SULFATES DE CHOLESTEROL OXYGENES POUR TRAITER DES PATHOLOGIES INFLAMMATOIRES**
[72] REN, SHUNLIN, US
[72] WANG, YAPING, US
[72] LIN, WEIQI, US
[72] BROWN, JAMES E., US
[72] THEEUWES, FELIX, US
[71] DURECT CORPORATION, US
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[87] (WO2021/263186)
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[51] **Int.Cl. F04B 9/02 (2006.01) F04B 53/00 (2006.01)**
[25] EN
[54] **CROSSHEAD BUSHING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDE DE DOUILLE DE CROSSE DE PISTON**
[72] SHAMPINE, ROD, US
[72] PHAM, HAU NGUYEN-PHUC, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[51] **Int.Cl. A61K 35/761 (2015.01) A61P 21/00 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS VECTOR DELIVERY FOR MUSCULAR DYSTROPHIES**
[54] **ADMINISTRATION DE VECTEUR DE VIRUS ADENO-ASSOCIE CONTRE LES DYSTROPHIES MUSCULAIRES**
[72] RODINO-KLAPAC, LOUISE, US
[72] MENDELL, JERRY R., US
[72] PETERSON, ELLYN, US
[72] POTTER, RACHAEL, US
[72] GRIFFIN, DANIELLE, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[71] SAREPTA THERAPEUTICS INC., US
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[25] EN
[54] **EXCIPIENTS PROVIDING STABILIZATION AND ENHANCED WATER SOLUBILIZATION AND THEIR USES**
[54] **EXCIPIENTS PERMETTANT LA STABILISATION ET LA SOLUBILISATION DE L'EAU AMELIOREE ET LEURS UTILISATIONS**
[72] TOMALIA, DONALD A., US
[72] HEDSTRAND, DAVID M., US
[72] SINGH, MAYANK K., US
[72] NIXON, LINDA S., US
[71] NANOSYNTHONS LLC, US
[85] 2022-12-15
[86] 2021-06-15 (PCT/US2021/037513)
[87] (WO2021/257626)
[30] US (63/039,108) 2020-06-15

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[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **SMALL MOLECULE COVALENT ACTIVATORS OF UCP1**
[54] **ACTIVATEURS COVALENTS A PETITES MOLECULES D'UCP1**
[72] GRAY, NATHANAEL S., US
[72] FAN, MENGYANG, US
[72] ORDONEZ, MARTHA, US
[72] CHOUCHANI, EDWARD, US
[72] ZHANG, TINGHU, US
[72] LI, ZHENGNIAN, US
[72] CHE, JIANWEI, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[51] **Int.Cl. H02M 3/335 (2006.01)**
[25] EN
[54] **SYNCHRONOUS RECTIFICATION TO IMPROVE EFFICIENCY OF ELECTRICITY CONVERSION FOR HARVESTING ENERGY FROM LOW VOLTAGE SOURCES**
[54] **REDRESSEMENT SYNCHRONE POUR AMELIORTION DE L'EFFICACITE DE CONVERSION D'ELECTRICITE POUR COLLECTER DE L'ENERGIE A PARTIR DE SOURCES BASSE-TENSION**
[72] DING, HEPING, CA
[72] GRIFFIN, RYAN, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[51] **Int.Cl. E21B 43/34 (2006.01) E21B 43/38 (2006.01) F04D 13/06 (2006.01) F04D 13/08 (2006.01) F04D 13/10 (2006.01) F04D 29/44 (2006.01) H02K 5/132 (2006.01)**
[25] EN
[54] **HIGH SPEED ELECTRIC SUBMERSIBLE PUMPS**
[54] **POMPES SUBMERSIBLES ELECTRIQUES A HAUTE VITESSE**
[72] CRANE, MITCHELL LEE, US
[72] OVIEDO GUALDRON, JOSE MAURICO, US
[71] EXTRACT MANAGEMENT COMPANY, LLC, US
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[30] US (63/141,938) 2021-01-26

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[51] **Int.Cl. E21B 43/34 (2006.01) E21B 43/38 (2006.01) F04D 13/06 (2006.01) F04D 13/08 (2006.01) F04D 13/10 (2006.01) F04D 29/44 (2006.01) H02K 5/132 (2006.01)**
[25] EN
[54] **UPTHRUST PROTECTION IN ELECTRIC SUBMERSIBLE PUMPS**
[54] **PROTECTION CONTRE LA POUSSEE ASCENDANTE DANS DES POMPES ELECTRIQUES SUBMERSIBLES**
[72] CRANE, MITCHELL LEE, US
[72] OVIEDO GUALDRON, JOSE MAURICO, US
[72] SHAFER, TERRY, US
[71] EXTRACT MANAGEMENT COMPANY, LLC, US
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[30] US (63/141,928) 2021-01-26

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[51] **Int.Cl. C06B 45/04 (2006.01) C06B 45/10 (2006.01) C06D 5/06 (2006.01)**
[25] EN
[54] **WATERLESS ELECTRICALLY OPERATED PROPELLANT**
[54] **AGENT PROPULSEUR ELECTRIQUE SANS EAU**
[72] DEPPERT, THOMAS M., US
[72] BRUNACINI, LAUREN, US
[72] KOEHLER, FREDERICK B., US
[72] HARDY, DAVID, US
[71] RAYTHEON COMPANY, US
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[30] US (16/986,569) 2020-08-06

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[13] A1
[51] **Int.Cl. F04B 47/08 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **RODLESS PUMP AND MULTI-SEALING HYDRAULIC SUB ARTIFICIAL LIFT SYSTEM**
[54] **POMPE SANS TIGE ET SYSTEME D'ASCENSION ARTIFICIELLE A RACCORD HYDRAULIQUE A JOINTS MULTIPLES**
[72] SHIELDS, AUSTIN J., US
[71] DIGITAL DOWNHOLE, INC., US
[85] 2022-12-15
[86] 2021-07-07 (PCT/US2021/040638)
[87] (WO2022/010985)
[30] US (16/925,479) 2020-07-10

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[51] **Int.Cl. B60T 15/02 (2006.01) B60T 15/38 (2006.01) B60T 15/48 (2006.01) B60T 15/50 (2006.01) B60T 15/52 (2006.01) B60T 15/56 (2006.01) B60T 17/04 (2006.01) B60T 17/06 (2006.01) B60T 17/22 (2006.01)**
[25] EN
[54] **VALVE WITH FRANGIBLE FITTING**
[54] **SOUPAPE DOTEE D'UN RACCORD FRANGIBLE**
[72] WISE, RANDY S., US
[72] WOLF, DENNIS A., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS, LLC, US
[85] 2022-12-15
[86] 2021-07-06 (PCT/US2021/040416)
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[30] US (16/925,913) 2020-07-10

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[13] A1
[51] **Int.Cl. H04B 7/15 (2006.01) H04W 40/02 (2009.01) B64G 1/44 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION SYSTEMS AND METHODS FOR LOW AND VERY LOW EARTH ORBIT SATELLITE COMMUNICATIONS**
[54] **SYSTEMES ET PROCEDES DE TRANSMISSION DE DONNEES POUR COMMUNICATIONS PAR SATELLITE A ORBITE TERRESTRE BASSE ET TRES BASSE**
[72] SCHLOEMER, GERALD R., US
[71] STAR MESH LLC, US
[85] 2022-12-15
[86] 2021-07-06 (PCT/US2021/040408)
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[54] **PHARMACEUTICAL COMPOSITIONS OF 6-(2-(2H-TETRAZOL-5-YL)ETHYL)-6-FLUORODECAHYDROISOQUINOLINE-3-CARBOXYLIC ACID AND ESTER DERIVATIVES THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES D'ACIDE 6-(2-(2H-TETRAZOL-5-YL)ETHYL)-6-FLUORODECAHYDROISOQUINOLEINE-3-CARBOXYLIQUE ET DE DERIVES ESTERS DE CELUI-CI**
[72] PEARSON, JAMES PHILIP, US
[72] MARTINEZ, EDUARDO J., US
[71] SEA PHARMACEUTICALS LLC, US
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[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR A HEART-VALVE ANNULUS REINFORCER**
[54] **DISPOSITIFS, SYSTEMES ET METHODES DE RENFORT D'ANNEAU DE VALVULE CARDIAQUE**
[72] SANDS, JULIE LOGAN, US
[72] PERRY, KENNETH EUGENE, US
[72] WULFMAN, EDWARD IAN, US
[72] AHRENS, PHILLIP ANDREW, US
[71] REVALVE SOLUTIONS INC., US
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[54] **AGRICULTURALLY BENEFICIAL MICROBES, MICROBIAL COMPOSITIONS, AND CONSORTIA**
[54] **MICROBES BENEFIQUES POUR L'AGRICULTURE, COMPOSITIONS MICROBIENNES ET CONSORTIUMS**
[72] SANTIAGO-ORTIZ, JORGE, US
[72] WILLIAMS, THOMAS, US
[72] WILK, DEBORA, US
[72] ZHU, HONG, US
[72] PATRI, ABHISHEK, US
[72] HYMUS, GRAHAM, US
[71] BIOCONSORTIA, INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR PATTERNING AND SPATIAL ELECTROCHEMICAL MAPPING OF CELLS**
[54] **SYSTEMES ET PROCEDES DE FORMATION DE MOTIFS ET DE CARTOGRAPHIE ELECTROCHIMIQUE SPATIALE DE CELLULES**
[72] PARK, HONGKUN, US
[72] ABBOTT, JEFFREY T., US
[72] WU, WENXUAN, US
[72] YE, TIANYANG, US
[72] JUNG, HAN SAE, US
[72] HAM, DONHEE, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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[25] EN
[54] **IN-LINE AIR BUBBLE SUSPENSION APPARATUS FOR ANGIOGRAPHY INJECTOR FLUID PATHS**
[54] **APPAREIL DE SUSPENSION DE BULLES D'AIR EN LIGNE POUR DES TRAJETS DE FLUIDE D'INJECTEUR ANGIOGRAPHIQUE**
[72] COWAN, KEVIN, US
[72] DEDIG, JAMES, US
[72] SPOHN, MICHAEL, US
[72] HAURY, JOHN, US
[72] UBER, ARTHUR, III, US
[71] BAYER HEALTHCARE LLC, US
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[54] **COMPOUNDS AND METHODS FOR BLOCKING APOPTOSIS AND INDUCING AUTOPHAGY**
[54] **COMPOSES ET PROCEDES DE BLOCAGE DE L'APOPTOSE ET D'INDUCTION DE L'AUTOPHAGIE**
[72] YUAN, JUNYING, US
[72] ZHAO, HENG, US
[72] XU, DAICHAO, US
[72] JIN, MINGZHI, CN
[72] ZHU, HONG, US
[72] CUNY, GREGORY D., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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[25] EN
[54] **CELL LINE FOR PRODUCTION OF MAREK'S DISEASE VIRUS VACCINE AND METHODS OF MAKING AND USING THE SAME**
[54] **LIGNEE CELLULAIRE POUR LA PRODUCTION D'UN VACCIN CONTRE LE VIRUS DE LA MALADIE DE MAREK ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] AMEISS, KEITH ALLEN, US
[72] ROSEY, EVERETT LEE, US
[71] ZOETIS SERVICES LLC, US
[85] 2022-12-15
[86] 2021-06-15 (PCT/US2021/037306)
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[54] **METHODS FOR COATING GLASS ARTICLES**
[54] **PROCEDES DE REVETEMENT D'ARTICLES EN VERRE**
[72] FADEEV, ANDREI GENNADYEVICH, US
[72] GOYAL, SUSHMIT SUNIL KUMAR, US
[72] HE, XIAOXIA, US
[72] HENRY, DAVID, FR
[72] LEE, FRANKLIN LANGLANG, US
[71] CORNING INCORPORATED, US
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[25] EN
[54] **DEICING SYSTEM FOR AN AUTOMOTIVE LAMP**
[54] **SYSTEME DE DEGIVRAGE POUR UNE LAMPE D'AUTOMOBILE**
[72] RUAN, JIABIAO, US
[72] PEREZ-BOLIVAR, CESAR, US
[72] ALI, AMMAR, US
[72] TANG, SHENGJIE, US
[72] PAMPATTIWAR, SANKALP, US
[72] KALE, SAURABH, US
[71] GROTE INDUSTRIES, INC., US
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[86] 2021-06-04 (PCT/US2021/035909)
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[25] EN
[54] **DEICING SYSTEM FOR AN AUTOMOTIVE LAMP**
[54] **SYSTEME DE DEGIVRAGE POUR UNE LAMPE D'AUTOMOBILE**
[72] ALI, AMMAR, US
[72] KALE, SAURABH, US
[72] PAMPATTIWAR, SANKALP, US
[71] ALI, AMMAR, US
[71] KALE, SAURABH, US
[71] PAMPATTIWAR, SANKALP, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR BLEACHING MICROBIAL CELLS**
[54] **SYSTEMES ET PROCEDES DE BLANCHISSEMENT DE CELLULES MICROBIENNES**
[72] ZHAO, XUEFEI, US
[72] WEN, ZHIYOU, US
[72] GROSS, MARTIN ANTHONY, US
[72] DUDLEY JR., EVERETT DONALD, US
[71] GW NUTRITION INC., US
[85] 2022-12-15
[86] 2021-07-07 (PCT/US2021/040657)
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[54] **SPLIT HANDLE, NARROW ROLLING BAG**
[54] **BAGAGE ROULANT ETROIT A POIGNEE FENDUE**
[72] SHALGI, NETTA DOR, US
[71] SHALGI, NETTA DOR, US
[85] 2022-09-22
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[25] EN
[54] **METHOD FOR DETERMINING WHETHER A SUBJECT HAS A DISEASE OR CONDITION OR IS AT RISK OF DEVELOPING A DISEASE OR CONDITION**
[54] **PROCEDE POUR DETERMINER SI UN SUJET PRESENTE UNE MALADIE OU UN PROBLEME DE SANTE OU EST SUSCEPTIBLE DE DEVELOPPER UNE MALADIE OU UN PROBLEME DE SANTE**
[72] WURTZ, PETER, FI
[72] SOININEN, PASI, FI
[72] KANGAS, ANTTI J., FI
[72] NYBO, KRISTIAN, FI
[72] JULKUNEN, HELI, FI
[72] CICHONSKA, ANNA, FI
[71] NIGHTINGALE HEALTH OYJ, FI
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[25] EN
[54] **INVERTED BALL SCREW ACTUATOR**
[54] **ACTIONNEUR A VIS A BILLES INVERSE**
[72] KALVATN, OVE, NO
[72] MOKRZYCKI, ADAM, NO
[71] EXCESS ENGINEERING AS, NO
[85] 2022-12-15
[86] 2020-06-16 (PCT/NO2020/050161)
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[25] EN
[54] **ENCAPSULATED PANCREATIC ISLET**
[54] **ILOT DE LANGERHANS ENCAPSULE**
[72] AZUMA, KOJI, JP
[72] IIZUKA, NAHO, JP
[72] TAMURA, HIROFUMI, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2022-12-15
[86] 2021-06-15 (PCT/JP2021/022611)
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[51] **Int.Cl. A01K 1/10 (2006.01) A01K 1/00 (2006.01) A01K 11/00 (2006.01) B07C 5/00 (2006.01) G01G 17/08 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **LIVESTOCK RESTRAINING DEVICES, SYTEMS FOR LIVESTOCK MANAGEMENT, AND USES THEREOF**
[54] **DISPOSITIFS DE RETENUE DU BETAIL, SYSTEMES POUR LA GESTION DU BETAIL ET LEURS UTILISATIONS**
[72] GROSS, YEHONATAN, IL
[71] CO-EXIST LTD, IL
[85] 2022-12-15
[86] 2021-06-15 (PCT/IL2021/050723)
[87] (WO2021/255731)
[30] US (63/039,248) 2020-06-15
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[51] **Int.Cl. F03B 17/06 (2006.01) F03B 13/26 (2006.01)**
[25] EN
[54] **A MARINE POWER PLANT ASSEMBLY**
[54] **ENSEMBLE DE CENTRALE ELECTRIQUE MARINE**
[72] VERMES-GABOS, ANDRAS, GB
[71] VERMES-GABOS, ANDRAS, GB
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[30] GB (2011650.5) 2020-07-28

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[51] **Int.Cl. A61F 5/56 (2006.01)**
[25] EN
[54] **MANDIBLE DISPLACEMENT ADJUSTMENT DEVICE**
[54] **DISPOSITIF DE REGLAGE DE DEPLACEMENT DE MANDIBULE**
[72] HSU, HAN-CHUNG, TW
[71] HSU, HAN-CHUNG, TW
[85] 2022-12-15
[86] 2020-06-15 (PCT/CN2020/096159)
[87] (WO2021/253174)

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[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/42 (2006.01)**
[25] EN
[54] **UTERINE MANIPULATOR WITH BALLOON OCCLUDER**
[54] **MANIPULATEUR UTERIN AVEC DISPOSITIF D'OCCLUSION A BALLONNET**
[72] VENDERLEY, MELANIE, US
[72] WILLIAMS, MASON, US
[71] CONMED CORPORATION, US
[85] 2022-12-16
[86] 2021-06-17 (PCT/US2021/037760)
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[30] US (63/040,824) 2020-06-18

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[51] **Int.Cl. B05B 1/16 (2006.01)**
[25] EN
[54] **BOOM MOUNTED SPRAY NOZZLE ASSEMBLY WITH COMPACT MULTI SPRAY NOZZLE DESIGN**
[54] **ENSEMBLE BUSE DE PULVERISATION MONTE SUR UNE RAMPE AVEC CONCEPTION A PLUSIEURS BUSES DE PULVERISATION COMPACTE**
[72] PRICE, TREVOR, US
[72] WINTER, TIMOTHY, US
[72] ARENSON, MARC, US
[71] SPRAYING SYSTEMS CO., US
[85] 2022-12-16
[86] 2021-06-18 (PCT/US2021/038096)
[87] (WO2021/257993)
[30] US (63/040,756) 2020-06-18

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[51] **Int.Cl. C12Q 1/6844 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYZING A BIOLOGICAL SAMPLE**
[54] **SYSTEMES ET PROCEDES D'ANALYSE D'UN ECHANTILLON BIOLOGIQUE**
[72] HUNG, JU-SUNG, US
[72] JIANG, LINGXIA, US
[72] LIN, ROBERT, US
[71] COMBINATI INCORPORATED, US
[85] 2022-12-16
[86] 2021-06-21 (PCT/US2021/038206)
[87] (WO2021/262581)
[30] US (63/042,353) 2020-06-22

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[51] **Int.Cl. A61K 31/416 (2006.01) A61K 31/496 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 407/14 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **QUATERNARY INDAZOLE GLUCOCORTICOID RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DU RECEPTEUR DES GLUCOCORTICOIDES D'INDAZOLE QUATERNAIRE**
[72] HUNT, HAZEL, US
[72] DUFFY, LORNA, US
[72] STRUTT, IAN, US
[72] JOUANNEAU, MORGAN, US
[72] HORNSBY, THOMAS, US
[72] MILLS, MARK, US
[72] PHILLIPS, ANDREW WILLIAM, US
[72] WARD, JON-PAUL, US
[71] CORCEPT THERAPEUTICS INCORPORATED, US
[85] 2022-12-16
[86] 2021-06-21 (PCT/US2021/038218)
[87] (WO2021/262587)
[30] US (63/042,188) 2020-06-22

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[51] **Int.Cl. H01R 4/48 (2006.01) H01R 4/00 (2006.01) H01R 4/28 (2006.01) H01R 4/40 (2006.01) H01R 13/62 (2006.01)**
[25] EN
[54] **CONDUCTOR TERMINAL**
[54] **BORNE DE CONDUCTEUR**
[72] ZANTOUT, ALAN E., US
[72] KESWANI, SUSHIL N., US
[71] IDEAL INDUSTRIES, INC., US
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[86] 2021-06-21 (PCT/US2021/038221)
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[13] A1
[51] **Int.Cl. F21L 4/02 (2006.01) F21V 21/34 (2006.01) F41G 1/00 (2006.01) F41G 1/34 (2006.01) F41G 1/35 (2006.01)**
[25] EN
[54] **WEAPON MOUNTABLE ILLUMINATION DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE POUVANT ETRE MONTE SUR UNE ARME**
[72] DEBOBES, DENNIS, US
[72] NEEL, RYAN, US
[72] JAKUBOWSKI, JEFFREY, US
[71] IN-EXTREMIS DESIGN AND DEVELOPMENT, LLC, US
[85] 2022-12-16
[86] 2021-06-21 (PCT/US2021/038230)
[87] (WO2021/258045)
[30] US (16/906,698) 2020-06-19

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/76 (2015.01) A61P 31/14 (2006.01) A61P 31/18 (2006.01) A61P 35/04 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **ANTI-CCR5 MONOCLONAL ANTIBODY-BASED COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS A BASE D'ANTICORPS MONOCLONAUX ANTI-CCR5 ET PROCEDES**
[72] MADDON, PAUL J., US
[71] MADDON ADVISORS LLC, US
[85] 2022-12-16
[86] 2021-06-22 (PCT/US2021/038349)
[87] (WO2021/262632)
[30] US (63/042,661) 2020-06-23
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[51] **Int.Cl. C12N 15/87 (2006.01) B01D 69/14 (2006.01) G01N 15/08 (2006.01)**
[25] EN
[54] **TUNNELING NANOTUBE CELLS AND METHODS OF USE THEREOF FOR DELIVERY OF BIOMOLECULES**
[54] **CELLULES DE NANOTUBES A EFFET TUNNEL ET LEURS PROCEDES D'UTILISATION POUR L'ADMINISTRATION DE BIOMOLECULES**
[72] JOUNG, J. KEITH, US
[72] CABECEIRAS, PETER, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2022-12-16
[86] 2021-06-23 (PCT/US2021/038588)
[87] (WO2021/262788)
[30] US (63/042,909) 2020-06-23

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[51] **Int.Cl. A61F 9/00 (2006.01) A61F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR OCULAR LASER THERAPY**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR THERAPIE OCULAIRE PAR LASER**
[72] HEREKAR, ANJALI, US
[72] HEREKAR, RAJEEV, US
[72] HEREKAR, SATISH, US
[71] SENOGEN GMBH, DE
[85] 2022-12-16
[86] 2021-06-23 (PCT/US2021/038597)
[87] (WO2021/262796)
[30] US (63/043,275) 2020-06-24
[30] US (63/126,189) 2020-12-16

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[51] **Int.Cl. A61K 38/20 (2006.01) C07K 14/54 (2006.01)**
[25] EN
[54] **IL-10 MUTEINS AND FUSION PROTEINS THEREOF**
[54] **MUTEINES D'IL-10 ET PROTEINES DE FUSION DE CELLES-CI**
[72] HSU, HAILING, US
[72] FOLTZ, IAN, US
[72] MOCK, MARISSA, US
[72] LUNA, VICTOR MITCH, US
[72] ZHANG, MING, US
[72] WANNBERG, SHARON, US
[72] CAMDERE TAPIA, GAMZE OZLEM, US
[72] RILEY, TIMOTHY P., US
[71] AMGEN INC., US
[85] 2022-12-16
[86] 2021-06-25 (PCT/US2021/039191)
[87] (WO2021/263167)
[30] US (63/045,041) 2020-06-26
[30] US (63/199,218) 2020-12-14

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[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/18 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS FOR CUTTING AND COAGULATION**
[54] **APPAREIL ELECTROCHIRURGICAL DE COUPE ET DE COAGULATION**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] WHITE, MALCOLM, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-12-19
[86] 2021-07-13 (PCT/EP2021/069513)
[87] (WO2022/028826)
[30] GB (2012034.1) 2020-08-03

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[51] **Int.Cl. A61K 31/335 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING AML SUBTYPES USING ARGININE-DEPLETING AGENTS**
[54] **METHODE DE TRAITEMENT DE SOUS-TYPES DE LMA A L'AIDE D'AGENTS DE DEPLETION DE L'ARGININE**
[72] KWOK, SUI YI, CN
[72] WAI, NORMAN FUNG MAN, CN
[72] WAI, TERENCE SHAU YIN, CN
[72] LEUNG, YUN CHUNG, CN
[71] VISION GLOBAL HOLDINGS LIMITED, CN
[85] 2022-12-15
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[54] **RADIOLOGY HOLDING DEVICE FOR A RADIOLOGY APPARATUS**
[54] **UNITE DE MAINTIEN UTILISEE EN RADIOLOGIE POUR UN DISPOSITIF DE RADIOLOGIE**
[72] BRORMANN, HUBERT, DE
[71] FEBROMED GMBH & CO.KG, DE
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[87] (WO2022/013162)
[30] DE (10 2020 118 448.4) 2020-07-13

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[51] **Int.Cl. H04B 7/0413 (2017.01) H04B 7/06 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMITTING PHYSICAL LAYER PROTOCOL DATA UNIT**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION D'UNE UNITE DE DONNEES DE PROTOCOLE DE COUCHE PHYSIQUE**
[72] LIU, CHENCHEN, CN
[72] LIANG, DANDAN, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-12-15
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATING PARKINSON'S DISEASE**
[54] **COMPOSITIONS PHARMACEUTIQUES ET METHODES DE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] PLAKOGIANNIS, FOTIOS M., US
[72] MODI, NISARG, US
[71] PIKE THERAPEUTICS, INC., CA
[85] 2022-12-17
[86] 2021-08-13 (PCT/IB2021/057474)
[87] (WO2022/038475)
[30] US (63/066,386) 2020-08-17
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[54] **COMBINATION VERAPAMIL AND MOMETASONE THERAPY FOR THE TREATMENT OF CHRONIC RHINOSINUSITIS**
[54] **POLYTHERAPIE A BASE DE VERAPAMIL ET DE MOMETASONE POUR LE TRAITEMENT DE LA RHINO-SINUSITE CHRONIQUE**
[72] BLEIER, BENJAMIN S., US
[72] AMIJI, MANSOOR, US
[72] TAHA, MAIE, US
[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US
[85] 2022-12-19
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[30] US (63/041,953) 2020-06-21

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[54] **HERBICIDE COMBINATIONS**
[54] **COMBINAISONS HERBICIDES**
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] HELLER, JEAN-JACQUES, FR
[72] POLLET, JEAN-PHILIPPE, GB
[72] SHROFF, VIKRAM RAJNIKANT, AE
[72] REYER, WILLIAM, GB
[71] UPL LIMITED, IN
[85] 2022-12-15
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[54] **WATER RIDE WITH FLOATING SECTION**
[54] **MANEGE AQUATIQUE AYANT UNE SECTION FLOTTANTE**
[72] HUNTER, RICHARD DOUGLAS, CA
[72] SMEGAL, RAYMOND THOMAS, CA
[71] PROSLIDE TECHNOLOGY INC., CA
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[86] 2021-06-25 (PCT/CA2021/050883)
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[25] EN
[54] **TRANSDERMAL PHARMACEUTICAL FORMULATIONS OF CANNABINOIDS**
[54] **FORMULATIONS PHARMACEUTIQUES TRANSDERMIQUES DE CANNABINOIDES**
[72] PLAKOGIANNIS, FOTIOS M., US
[72] MODI, NISARG, US
[71] PIKE THERAPEUTICS, INC., CA
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[86] 2021-08-13 (PCT/IB2021/057483)
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[54] **SYSTEM FOR SAFETY SYRINGE**
[54] **SYSTEME POUR SERINGUE DE SECURITE**
[72] DIAZ, STEPHEN H., US
[72] SHANLEY, CONOR EDWARD, US
[72] LEUNG, MINA M., US
[72] SHLUZAS, ALAN E., US
[72] TILLACK, JEFF, US
[71] CREDENCE MEDSYSTEMS, INC., US
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[54] **TRANSPORTATION PATHWAY ELEVATION SEPARATOR**
[54] **SEPARATEUR D'ELEVATION DE VOIE DE TRANSPORT**
[72] MCDANIEL, GEVIN J., US
[71] MCDANIEL, GEVIN J., US
[85] 2022-12-16
[86] 2021-11-17 (PCT/US2021/059725)
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[25] EN
[54] **SHIPPING AND DISPENSING CONSTRUCT**
[54] **CONSTRUCTION D'EXPEDITION ET DE DISTRIBUTION**
[72] MILLS, KAREN L., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
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[86] 2021-06-22 (PCT/US2021/038438)
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[30] US (63/043,422) 2020-06-24

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[25] EN
[54] **SINGLE MOLECULE ASSAYS FOR ULTRASENSITIVE DETECTION OF BIOMOLECULES**
[54] **DOSAGES A MOLECULE UNIQUE POUR LA DETECTION ULTRASENSIBLE DE BIOMOLECULES**
[72] WALT, DAVID R., US
[72] WU, CONNIE, US
[72] MALEY, ADAM M., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2022-12-19
[86] 2021-06-22 (PCT/US2021/038463)
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[25] EN
[54] **PLANT METABOLITE-MEDIATED INDUCTION OF BIOFILM FORMATION IN SOIL BACTERIA TO INCREASE BIOLOGICAL NITROGEN FIXATION AND PLANT NITROGEN ASSIMILATION**
[54] **INDUCTION MEDIEE PAR UN METABOLITE DE PLANTE DE LA FORMATION DE BIOFILM DANS DES BACTERIES DU SOL POUR AUGMENTER LA FIXATION D'AZOTE BIOLOGIQUE ET L'ASSIMILATION D'AZOTE PAR LA PLANTE**
[72] BLUMWALD, EDUARDO, US
[72] YAN, DAWEI, US
[72] SHAPIRO, HOWARD-YANA, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-12-16
[86] 2021-07-13 (PCT/US2021/041482)
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[25] EN
[54] **COMPLIANCE KIT AND SYSTEM**
[54] **KIT ET SYSTEME D'OBSERVANCE**
[72] PETERSEN, MICHAEL, CA
[72] WILSON, ALLAN, CA
[72] BROTZEL, DEAN, CA
[71] INTELLIGENT DEVICES SEZC INC., KY
[85] 2022-12-19
[86] 2021-06-24 (PCT/CA2021/050866)
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[25] EN
[54] **MULTITRACK CONTAINER FOR SOUND EFFECT RENDERING**
[54] **CONTENEUR MULTIPISTE POUR RENDU D'EFFET SONORE**
[72] ASHBY, SIMON, US
[71] SONY INTERACTIVE ENTERTAINMENT LLC, US
[85] 2022-12-16
[86] 2021-07-06 (PCT/US2021/040508)
[87] (WO2022/010895)
[30] US (16/924,868) 2020-07-09

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[51] **Int.Cl. B65D 5/20 (2006.01) B65D 71/00 (2006.01) B65D 71/12 (2006.01) B65D 71/42 (2006.01)**
[25] EN
[54] **SHIPPING AND DISPENSING CONSTRUCT**
[54] **CONSTRUCTION D'EXPEDITION ET DE DISTRIBUTION**
[72] MILLS, KAREN L., US
[72] ZAMMIT, MARK, US
[72] STRAND, SCOTT THOMAS, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-12-19
[86] 2021-06-22 (PCT/US2021/038435)
[87] (WO2021/262688)
[30] US (63/043,291) 2020-06-24

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/36 (2006.01) A61P 1/00 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **LOZENGE**
[54] **PASTILLE**
[72] ENGLAND, KENNETH EARL, US
[72] PATEL, SHIVANGI AKASH, US
[72] YANG, CHUE HUE, US
[71] GLAXOSMITHKLINE CONSUMER HEALTHCARE HOLDINGS (US) LLC, US
[85] 2022-12-16
[86] 2021-06-28 (PCT/US2021/039310)
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[51] **Int.Cl. B65D 71/00 (2006.01) B65D 71/34 (2006.01) B65D 71/46 (2006.01)**
[25] EN
[54] **SHIPPING AND DISPENSING CONSTRUCT**
[54] **STRUCTURE D'EXPEDITION ET DE DISTRIBUTION**
[72] HAJEK, RONALD E., US
[72] WEAVER, SHARON, US
[72] EXNER, DANA, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-12-19
[86] 2021-06-22 (PCT/US2021/038434)
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[51] **Int.Cl. A61K 35/66 (2015.01) C12N 1/08 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHODS FOR MANUFACTURING ADAS**
[54] **PROCEDES DE FABRICATION D'ADAS**
[72] FISHER, ADAM BARCLAY, US
[72] HUBBARD, TROY PATRICK, US
[72] SPAULDING, CAITLIN NICOLE, US
[72] AMADO, MAIER STEVE AVENDANO, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2022-12-16
[86] 2021-06-17 (PCT/US2021/037759)
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[30] US (63/040,459) 2020-06-17

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[51] **Int.Cl. B65D 5/54 (2006.01) B65D 71/34 (2006.01) B65D 71/40 (2006.01) B65D 77/04 (2006.01)**
[25] EN
[54] **SHIPPING AND DISPENSING CONSTRUCT**
[54] **CONSTRUCTION D'EXPEDITION ET DE DISTRIBUTION**
[72] HAJEK, RONALD E., US
[72] WEAVER, SHARON, US
[72] EXNER, DANA, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-12-19
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[30] US (63/043,192) 2020-06-24

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[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **RESOURCE INDICATION METHOD, ACCESS POINT, AND STATION**
[54] **PROCEDE D'INDICATION DE RESSOURCE, POINT D'ACCES ET STATION**
[72] HU, MENGSHI, CN
[72] YU, JIAN, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-12-19
[86] 2021-06-02 (PCT/CN2021/097971)
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[30] CN (202010569190.4) 2020-06-19

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[13] A1
[51] **Int.Cl. A61K 31/4025 (2006.01) A61P 35/00 (2006.01) C07D 207/08 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER USING HETEROARYL-BIPHENYL AMIDE DERIVATIVES**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE DE DERIVES D'HETEROARYL-BIPHENYLAMIDES**
[72] LI, SHIJIE, US
[72] VILALTA-COLOMER, MARTA, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2022-12-19
[86] 2021-06-22 (PCT/US2021/038339)
[87] (WO2021/262627)
[30] US (63/042,807) 2020-06-23

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[51] **Int.Cl. C12N 15/50 (2006.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) C07K 14/165 (2006.01)**
[25] EN
[54] **IMMUNOGENIC COMPOSITION AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2)**
[54] **COMPOSITION IMMUNOGENE CONTRE LE CORONAVIRUS 2 LIE AU SYNDROME RESPIRATOIRE AIGU SEVERE (SARS-COV-2)**
[72] KUO, TSUN-YUNG, CN
[72] CHEN, CHARLES, CN
[72] WU, CHUNG-CHIN, CN
[72] LIN, YI-JIUN, CN
[72] LIN, MEEI-YUN, CN
[72] WU, YU-CHI, CN
[72] CAMPBELL, JOHN D., US
[72] JANSSEN, ROBERT S., US
[72] NOVACK, DAVID, US
[71] MEDIGEN VACCINE BIOLOGICS CORPORATION, CN
[71] DYNAVAX TECHNOLOGIES CORPORATION, US
[85] 2022-12-19
[86] 2021-06-18 (PCT/CN2021/100826)
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[30] US (63/040,696) 2020-06-18
[30] US (PCT/US2021/020277) 2021-03-01

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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/34 (2006.01) A61M 1/36 (2006.01) B01D 61/00 (2006.01)**
[25] EN
[54] **PARABIOTIC DIALYSIS SYSTEMS AND TECHNIQUES**
[54] **SYSTEMES ET TECHNIQUES DE DIALYSE PARABIOTIQUE**
[72] WEISS, STEFAN, DE
[72] KOTANKO, PETER, US
[72] SANDER, ROLAND, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-12-19
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[87] (WO2022/010635)
[30] US (63/049,296) 2020-07-08

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[51] **Int.Cl. B62B 3/02 (2006.01) B62B 3/00 (2006.01) B62B 3/10 (2006.01) B62B 5/00 (2006.01) B62B 5/06 (2006.01)**
[25] EN
[54] **FOLDABLE STROLLER WAGON**
[54] **WAGON POUSSETTE PLIABLE**
[72] CLEMMER, LANCE J., US
[72] BOWERS, PATRICK J.G., US
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2022-12-19
[86] 2021-06-17 (PCT/US2021/037820)
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[30] US (63/041,194) 2020-06-19

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[51] **Int.Cl. F27B 1/20 (2006.01) C04B 20/06 (2006.01) F27B 15/08 (2006.01) F27D 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR PRODUCING EXPANDED GRANULATED MATERIAL**
[54] **DISPOSITIF DE PRODUCTION DE MATERIAU GRANULE EXPANSE**
[72] KREMER, HARTMUT, AT
[72] NEUBACHER, JULIAN, AT
[72] TSCHERNKO, HARALD, AT
[71] BINDER + CO AG, AT
[85] 2022-12-19
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[13] A1
[51] **Int.Cl. H04W 4/20 (2018.01)**
[25] EN
[54] **MOBILE DEVICE COMMUNICATION WITHOUT NETWORK CONNECTION**
[54] **COMMUNICATION ENTRE APPAREILS MOBILES SANS CONNEXION A UN RESEAU**
[72] WHEELER, GLEN, US
[71] WAGGLE CORPORATION, US
[85] 2022-12-19
[86] 2020-07-15 (PCT/US2020/042204)
[87] (WO2021/257104)
[30] US (16/907,009) 2020-06-19

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[51] **Int.Cl. A01N 25/08 (2006.01) A01N 43/12 (2006.01) A01N 51/00 (2006.01) A01N 53/00 (2006.01) A01P 7/02 (2006.01)**
[25] EN
[54] **DUST FORMULATION COMPRISING A CARRIER TO WHICH ACTIVE INGREDIENTS ARE APPLIED VIA A SOLVENT**
[54] **FORMULATION DE POUSSIERE COMPRENANT UN SUPPORT AUQUEL SONT APPLIQUES DES PRINCIPES ACTIFS PAR L'INTERMEDIAIRE D'UN SOLVANT**
[72] KO, ALEXANDER, US
[72] DENK, KYLE, US
[71] BAYER CROPSCIENCE LP, US
[85] 2022-12-19
[86] 2020-12-17 (PCT/US2020/065492)
[87] (WO2021/127103)
[30] US (62/950,839) 2019-12-19
[30] EP (20150685.4) 2020-01-08

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[13] A1
[51] **Int.Cl. A61N 2/02 (2006.01)**
[25] EN
[54] **DEVICE FOR MAGNETIC FIELD THERAPY**
[54] **DISPOSITIF POUR LA THERAPIE PAR CHAMP MAGNETIQUE**
[72] KAFKA, WOLF A., DE
[71] NIKI REINER GLEIM, LI
[85] 2022-12-19
[86] 2021-05-27 (PCT/EP2021/064169)
[87] (WO2022/002493)
[30] DE (10 2020 117 033.5) 2020-06-29

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[13] A1
[51] **Int.Cl. C07G 1/00 (2011.01) C08H 7/00 (2011.01) C08L 97/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A STABILIZED LIGNIN HAVING A HIGH SPECIFIC SURFACE AREA**
[54] **PROCEDE DE FABRICATION D'UNE LIGNINE STABILISEE A HAUTE SURFACE SPECIFIQUE**
[72] STUCKER, ALEXANDER, DE
[72] PODSCHUN, JACOB, DE
[72] WITTMANN, TOBIAS, DE
[72] KOHL, LENZ ARON MATHIS, DE
[71] SUNCOAL INDUSTRIES GMBH, DE
[85] 2022-12-19
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[87] (WO2022/008762)
[30] DE (10 2020 208 684.2) 2020-07-10
[30] DE (10 2020 134 900.9) 2020-12-23

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61P 17/02 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **PULMONARY FORMULATION COMPRISING CANNABINOIDS**
[54] **FORMULATION PULMONAIRE COMPRENANT DES CANNABINOIDES**
[72] BECKERS, BRAM, BE
[72] PETERS, STEVEN, BE
[71] CANNOVEX BV, BE
[85] 2022-12-19
[86] 2021-06-18 (PCT/EP2021/066641)
[87] (WO2021/255251)
[30] EP (20181177.5) 2020-06-19
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[51] **Int.Cl. C12M 1/00 (2006.01) C12N 1/20 (2006.01) C12P 5/02 (2006.01) C12P 7/04 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING SINGLE CELL PROTEIN**
[54] **PROCESSUS DE PRODUCTION DE PROTEINE UNICELLULAIRE**
[72] NANDY, SUBIR KUMAR, DK
[72] CHRISTENSEN, IB, DK
[71] UNIBIO A/S, DK
[85] 2022-12-19
[86] 2021-07-06 (PCT/EP2021/068582)
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[30] DK (PA 2020 00816) 2020-07-07

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[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/352 (2006.01) A61P 25/04 (2006.01) A61P 25/22 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **FORMULATION COMPRISING CANNABINOIDS**
[54] **FORMULATION COMPRENANT DES CANNABINOIDES**
[72] BECKERS, BRAM, BE
[72] PETERS, STEVEN, BE
[71] CANNOVEX BV, BE
[85] 2022-12-19
[86] 2021-06-18 (PCT/EP2021/066643)
[87] (WO2021/255252)
[30] EP (20181179.1) 2020-06-19

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[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHOD FOR ENGINEERING NOVEL HYBRID AAV CAPSIDS THROUGH HYPERVARIABLE REGIONS SWAPPING**
[54] **PROCEDE D'INGENIERIE DE NOUVEAUX CAPSIDES AAV HYBRIDES PAR L'INTERMEDIAIRE D'UNE PERMUTATION DE REGIONS HYPERVARIABLES**
[72] RONZITTI, GIUSEPPE, FR
[72] LABELLA, TIZIANA, FR
[71] GENETHON, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE D'EVRY VAL D'ESSONNE, FR
[85] 2022-12-19
[86] 2021-07-05 (PCT/EP2021/068553)
[87] (WO2022/003211)
[30] EP (20305757.5) 2020-07-03

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING A DIFFUSE REVERBERATION SIGNAL**
[54] **APPAREIL ET PROCEDE POUR GENERER UN SIGNAL DE REVERBERATION DIFFUS**
[72] KOPPENS, JEROEN GERARDUS HENRICUS, NL
[72] KECHICHIAN, PATRICK, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-12-19
[86] 2021-06-21 (PCT/EP2021/066763)
[87] (WO2021/259829)
[30] EP (20181351.6) 2020-06-22

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[13] A1
[51] **Int.Cl. A63G 31/16 (2006.01) G09B 9/02 (2006.01) G09B 9/30 (2006.01)**
[25] EN
[54] **SIMULATION DEVICE FOR VIRTUAL REALITY EXPERIENCES**
[54] **DISPOSITIF DE SIMULATION POUR EXPERIENCES DE REALITE VIRTUELLE**
[72] GHEDINA, MICHELE, IT
[71] VVR S.R.L., IT
[85] 2022-12-19
[86] 2021-06-24 (PCT/IB2021/055606)
[87] (WO2021/260615)
[30] IT (102020000015337) 2020-06-25

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[13] A1
[51] **Int.Cl. G06F 30/13 (2020.01) G06F 30/20 (2020.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THE MANUFACTURE OF A BUILDING**
[54] **METHODE ET SYSTEME DE FABRICATION D'UN BATIMENT**
[72] KLATTE, NILS, DE
[72] SPRAJCAR, ROBERT, DE
[71] SPB SYSTEMATISCHES PLANEN & BAUEN GMBH, DE
[85] 2022-12-19
[86] 2021-06-23 (PCT/EP2021/067147)
[87] (WO2021/260005)
[30] EP (20181659.2) 2020-06-23

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[13] A1
[51] **Int.Cl. F41H 13/00 (2006.01) G01S 7/481 (2006.01) G01S 17/66 (2006.01) G02B 27/14 (2006.01)**
[25] EN
[54] **LASER BEAM DEVICE WITH COUPLING OF AN ILLUMINATING LASER BEAM INTO AN EFFECTIVE LASER BEAM**
[54] **DISPOSITIF A FAISCEAU LASER AVEC COUPLAGE D'UN FAISCEAU LASER D'ECLAIRAGE EN UN FAISCEAU LASER EFFECTIF**
[72] JUNG, MARKUS, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
[85] 2022-12-19
[86] 2021-06-25 (PCT/EP2021/067478)
[87] (WO2021/260172)
[30] DE (10 2020 003 944.8) 2020-06-26

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[13] A1
[51] **Int.Cl. A61K 31/737 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **MARINE BACTERIAL EXOPOLYSACCHARIDE DERIVATIVES AND USES THEREOF IN THE TREATMENT OF MUCOPOLYSACCHARIDOSES**
[54] **DERIVES D'EXOPOLYSACCHARIDES BACTERIENS D'ORIGINE MARINE ET LEURS UTILISATIONS DANS LE TRAITEMENT DE MUCOPOLYSACCHARIDOSES**
[72] COLLIEC-JOUAULT, SYLVIA, FR
[72] SINQUIN, CORINNE, FR
[72] ZYKWINSKA, AGATA, FR
[72] DE AGOSTINI, ARIANE, CH
[72] TILLE, JEAN-CHRISTOPHE, CH
[72] VERALDI, NOEMI, CH
[72] DENTANT-QUADRI, ISABELLE, FR
[72] MBOSSO BEFFORT, JENNIFER, CH
[72] ZOUGGARI, NAWEL, CH
[71] INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER (IFREMER), FR
[71] FONDATION SANFILIPPO SUISSE, CH
[85] 2022-12-19
[86] 2021-07-01 (PCT/EP2021/068202)
[87] (WO2022/003112)
[30] EP (20183661.6) 2020-07-02

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/40 (2006.01) A61K 45/06 (2006.01) A61P 1/08 (2006.01)**
[25] EN
[54] **THERAPY OF POST-OPERATIVE NAUSEA AND VOMITING**
[54] **THERAPIE CONTRE LA NAUSEE ET LES VOMISSEMENTS POSTOPERATOIRES**
[72] GILBERT, JULIAN CLIVE, GB
[72] FOX, GABRIEL, GB
[72] GRISTWOOD, ROBERT WILLIAM, GB
[71] ACACIA PHARMA LTD, GB
[85] 2022-12-19
[86] 2021-07-06 (PCT/GB2021/051720)
[87] (WO2022/008901)
[30] GB (2010361.0) 2020-07-06
[30] GB (2108238.3) 2021-06-09

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[13] A1
[51] **Int.Cl. A61K 39/215 (2006.01) A61P 31/14 (2006.01) G01N 33/537 (2006.01) G01N 33/551 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COVID-19 MUCOSAL ANTIBODY ASSAY**
[54] **DOSAGE D'ANTICORPS DES MUQUEUSES POUR LA COVID-19**
[72] FLEENOR, COURTNEY, US
[72] SOON-SHIONG, PATRICK, US
[72] GABITZSCH, ELIZABETH, US
[72] TANAKA, SHIHO, US
[71] NANTCELL, INC., US
[85] 2022-12-19
[86] 2021-06-03 (PCT/IB2021/054887)
[87] (WO2022/018528)
[30] US (63/053,691) 2020-07-19
[30] US (63/064,157) 2020-08-11
[30] US (63/117,460) 2020-11-24
[30] US (63/135,380) 2021-01-08

[21] **3,187,673**
[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 17/32 (2006.01) A61B 18/12 (2006.01) G01S 1/00 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **DEVICES FOR NAVIGATING A TISSUE RESECTION DEVICE**
[54] **DISPOSITIFS POUR NAVIGUER DANS UN DISPOSITIF DE RESECTION DE TISSU**
[72] COHN, WILLIAM, US
[72] DAGLOW, TERRY, US
[72] KUHN, MATTHEW, US
[72] MILLS, CHRIS, US
[72] NGUYEN, STEVEN, US
[72] SALAZAR, JORGE, US
[72] TUSHAR, SHARMA, US
[72] WANG, YAXIN, US
[71] PRANA THORACIC, INC., US
[85] 2022-12-19
[86] 2021-06-08 (PCT/IB2021/055036)
[87] (WO2021/260468)
[30] US (63/042,124) 2020-06-22
[30] US (17/319,805) 2021-05-13

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[13] A1
[51] **Int.Cl. F16K 5/06 (2006.01)**
[25] EN
[54] **ENERGY RECOVERY VALVE SYSTEM WITH SPHERICAL SEGMENT VALVE FOR CONTROLLING THE FLUID FLOW IN A DUCT**
[54] **SYSTEME DE SOUPAPE DE RECUPERATION D'ENERGIE AVEC SOUPAPE A SEGMENT SPHERIQUE PERMETTANT DE COMMANDER L'ECOULEMENT DE FLUIDE DANS UN CONDUIT**
[72] MALAVASI, STEFANO, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-12-19
[86] 2021-06-18 (PCT/IB2021/055385)
[87] (WO2021/260508)
[30] IT (102020000014983) 2020-06-23

[21] **3,187,679**
[13] A1
[51] **Int.Cl. B62H 3/02 (2006.01) B62J 1/08 (2006.01) B62J 33/00 (2006.01)**
[25] EN
[54] **SADDLE FOR VEHICLES, SUCH AS BICYCLES OR MOTORCYCLES**
[54] **SELLE POUR VEHICULES TELS QUE DES BICYCLETTES OU DES MOTOCYCLETTES**
[72] BIGOLIN, BARBARA, IT
[72] MALFATTI, MARCO, IT
[71] SELLE ROYAL GROUP S.P.A., IT
[85] 2022-12-19
[86] 2021-06-21 (PCT/IB2021/055435)
[87] (WO2021/260520)
[30] IT (102020000014929) 2020-06-22

[21] **3,187,685**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01) G09B 7/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROJECT ASSESSMENT SCORING AND SOFTWARE ANALYSIS**
[54] **PROCEDE ET SYSTEME DE NOTATION D'EVALUATION DE PROJET ET D'ANALYSE DE LOGICIEL**
[72] KYLE, SHIPLEY, US
[72] ANTHONY, PANOZZO, US
[72] WES, WINHAM WINLER, US
[71] WOVEN TEAMS, INC., US
[71] KYLE, SHIPLEY, US
[71] ANTHONY, PANOZZO, US
[71] WES, WINHAM WINLER, US
[85] 2022-12-19
[86] 2021-06-18 (PCT/US2021/038141)
[87] (WO2021/258020)
[30] US (63/041,114) 2020-06-18

[21] **3,187,764**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) G06T 7/00 (2017.01)**
[25] EN
[54] **TUMOUR IMAGING DEVICE**
[54] **DISPOSITIF D'IMAGERIE TUMORALE**
[72] VIGNON-CLEMENTEL, IRENE, FR
[72] DRASDO, DIRK, FR
[72] YIN, YI, FR
[71] INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE, FR
[85] 2022-12-20
[86] 2021-06-24 (PCT/FR2021/051168)
[87] (WO2021/260334)
[30] FR (FR2006763) 2020-06-26

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[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01) C12Q 1/6886 (2018.01) C12Q 1/68 (2018.01) G01N 33/574 (2006.01)**
[25] EN
[54] **USE OF BISPECIFIC CD123 X CD3 DIABODIES FOR THE TREATMENT OF HEMATOLOGIC MALIGNANCIES**
[54] **UTILISATION DE DIACORPS BISPECIFIQUES CD123 X CD3 POUR LE TRAITEMENT DE TUMEURS MALIGNES HEMATOLOGIQUES**
[72] DAVIDSON, JAN KENNETH, US
[72] RUTELLA, SERGIO, GB
[71] MACROGENICS, INC., US
[71] NOTTINGHAM TRENT UNIVERSITY, GB
[85] 2022-12-16
[86] 2021-06-09 (PCT/US2021/036520)
[87] (WO2021/257334)
[30] US (63/041,051) 2020-06-18

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 33/02 (2006.01) C07K 14/465 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD OF AN ORALLY ADMINISTERED ANTIMICROBIAL PEPTIDE VECTORED IN A BACTERIAL EXPRESSION VEHICLE**
[54] **COMPOSITION ET PROCEDE D'UN PEPTIDE ANTIMICROBIEN ADMINISTRE PAR VOIE ORALE VECTORISE DANS UN VECTEUR D'EXPRESSION BACTERIENNE**
[72] OOSTERWIJK, JOLIEKE GERDY VAN, US
[72] RICHER, LUCIANA MEIRELLES, US
[72] ZATECHKA, DOUGLAS STEVEN, US
[72] LILLEHOJ, HYUN SOON, US
[72] KIM, WOOHYUN, US
[72] GAY, CYRIL, US
[72] PRZYBYSZEWSKI, CHRISTOPHER ANTHONY, US
[71] US BIOLOGIC, INC., US
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[85] 2022-12-16
[86] 2021-06-14 (PCT/US2021/037190)
[87] (WO2021/257434)
[30] US (63/040,718) 2020-06-18
[30] US (63/188,894) 2021-05-14

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[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/455 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **ALK2 INHIBITORS FOR THE TREATMENT OF ANEMIA**
[54] **INHIBITEURS D'ALK2 POUR LE TRAITEMENT DE L'ANEMIE**
[72] SEGUY, FRANCIS, CH
[72] ASATIANI, EKATERINE, CH
[72] CHEN, YAOYU, US
[71] INCYTE CORPORATION, US
[85] 2022-12-16
[86] 2021-06-15 (PCT/US2021/037377)
[87] (WO2021/257532)
[30] US (63/039,742) 2020-06-16
[30] US (63/056,761) 2020-07-27
[30] US (63/152,516) 2021-02-23

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[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08K 5/00 (2006.01) C08L 95/00 (2006.01)**
[25] EN
[54] **ASPHALT COMPOSITION COMPRISING A MIXTURE OF AN ISOCYANATE AND A PLASTICIZER AS PERFORMANCEADDITIVES**
[54] **COMPOSITION D'ASPHALTE COMPRENANT UN MELANGE D'UN ISOCYANATE ET D'UN PLASTIFIANT EN TANT QU'ADDITIFS DE PERFORMANCE**
[72] SCHATZ, WALDEMAR, DE
[72] ZEILINGER, MICHAEL, DE
[72] BOKERN, STEFAN, DE
[72] WIEBELHAUS, DAG, DE
[72] OTERO MARTINEZ, IRAN, DE
[71] BASF SE, DE
[85] 2022-12-16
[86] 2021-06-08 (PCT/EP2021/065228)
[87] (WO2021/254815)
[30] EP (20181004.1) 2020-06-19

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[13] A1
[51] **Int.Cl. F24F 8/175 (2021.01)**
[25] EN
[54] **SYSTEM FOR INJECTING BENEFICIAL MICRO-ORGANISMS INTO AN INDOOR ENVIRONMENT**
[54] **SYSTEME D'INJECTION DE MICRO-ORGANISMES BENEFIQUES DANS UN ENVIRONNEMENT INTERIEUR**
[72] PANNECOUCKE, JO, BE
[71] TAKEAIR BV, BE
[85] 2022-12-16
[86] 2021-06-25 (PCT/EP2021/067589)
[87] (WO2021/260213)
[30] BE (2020/0072) 2020-06-25
[30] EP (20216724.3) 2020-12-22

[21] **3,187,770**
[13] A1
[51] **Int.Cl. G10L 19/005 (2013.01) G10L 19/008 (2013.01)**
[25] EN
[54] **PACKET LOSS CONCEALMENT**
[54] **DISSIMULATION DE PERTE DE PAQUET**
[72] MUNDT, HARALD, DE
[72] BRUHN, STEFAN, DE
[72] PURNHAGEN, HEIKO, SE
[72] PLAIN, SIMON, DE
[72] SCHUG, MICHAEL, DE
[71] DOLBY INTERNATIONAL AB, IE
[85] 2022-12-16
[86] 2021-07-07 (PCT/EP2021/068774)
[87] (WO2022/008571)
[30] US (63/049,323) 2020-07-08
[30] US (63/208,896) 2021-06-09

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[13] A1
[51] **Int.Cl. F03B 13/06 (2006.01)**
[25] EN
[54] **THERMOELECTRIC DEVICE FOR ENERGY STORAGE OR ENERGY CONVERSIONS**
[54] **DISPOSITIF THERMOELECTRIQUE DE STOCKAGE OU CONVERSIONS ENERGETIQUES**
[72] LALANNE, PASCAL, FR
[71] LALANNE, PASCAL, FR
[85] 2022-12-16
[86] 2020-06-19 (PCT/IB2020/055815)
[87] (WO2020/255086)

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/08 (2006.01) A61B 5/083 (2006.01) A61B 5/113 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING REAL-TIME INFORMATION ABOUT THE CARDIAC AND/OR RESPIRATORY PERFORMANCE OF AN INDIVIDUAL, AND CORRESPONDING DEVICE**
[54] **PROCEDE DE FOURNITURE D'INFORMATIONS EN TEMPS REEL CONCERNANT LES PERFORMANCES CARDIAQUES ET/OU RESPIRATOIRES D'UN INDIVIDU, ET DISPOSITIF CORRESPONDANT**
[72] DI PACO, ADRIANO, IT
[72] RIBA, ANDREA, IT
[72] TARANTINO, SERGIO, IT
[72] CECIO, DAVIDE, IT
[71] DI PACO, ADRIANO, IT
[85] 2022-12-16
[86] 2021-06-14 (PCT/IB2021/055207)
[87] (WO2021/255616)
[30] IT (102020000014500) 2020-06-17

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01) C07K 14/045 (2006.01)**
[25] EN
[54] **HUMAN CYTOMEGALOVIRUS GB POLYPEPTIDE**
[54] **POLYPEPTIDE GB DE CYTOMEGALOVIRUS HUMAIN**
[72] CHI, XIAOYUAN SHERRY, US
[72] DORMITZER, PHILIP RALPH, US
[72] LIU, YUHANG, US
[72] NICKI, JENNIFER ANNE, US
[72] YAO, XIAOJIE, US
[72] CHE, YE, US
[71] PFIZER INC., US
[85] 2022-12-16
[86] 2021-06-18 (PCT/IB2021/055396)
[87] (WO2021/260510)
[30] US (63/041,945) 2020-06-21
[30] US (63/208,457) 2021-06-08

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[13] A1
[51] **Int.Cl. A01B 69/04 (2006.01) A01D 34/00 (2006.01) A01D 43/063 (2006.01) A01F 25/04 (2006.01) A01F 25/08 (2006.01) A01K 5/02 (2006.01)**
[25] EN
[54] **AGRICULTURAL METHOD AND SYSTEM FOR PERFORMING THE METHOD**
[54] **PROCEDE AGRICOLE ET SYSTEME PERMETTANT DE METTRE EN □UVRE LE PROCEDE**
[72] VAN DEN BERG, KAREL, NL
[72] BLOKLAND, KORSTIAAN CORNELIS, NL
[72] FRANSEN, RENATUS IGNATIUS JOSEPHUS, NL
[72] VAN SONSBEEK, CARLO, NL
[72] DEN UIJL, INGRID ELISABETH MARIA, NL
[71] LELY PATENT N.V., NL
[85] 2022-12-16
[86] 2021-07-15 (PCT/IB2021/056391)
[87] (WO2022/013804)
[30] NL (2026073) 2020-07-16
[30] NL (1043808) 2020-10-06

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **NEBULIZING DEVICE**
[54] **DISPOSITIF DE NEBULISATION**
[72] GU, YU, CN
[71] GU, YU, CN
[85] 2022-12-16
[86] 2021-05-06 (PCT/CN2021/091920)
[87] (WO2021/233126)
[30] CN (202010424951.7) 2020-05-19

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[13] A1
[51] **Int.Cl. B21D 22/16 (2006.01)**
[25] EN
[54] **FORMING METHOD FOR AEROSPACE COVER**
[54] **PROCEDE DE FACONNAGE D'UN REVETEMENT POUR LE VOL SPATIAL**
[72] DENG, CHENGXU, CN
[72] ZENG, ZHENGJUN, CN
[72] TAO, MINGQING, CN
[72] XIE, WEN, CN
[72] TIAN, YE, CN
[72] ZHANG, MENG, CN
[72] LIU, GAN, CN
[72] TU, QIANG, CN
[72] HAN, YU, CN
[71] SICHUAN AEROSPACE CHANGZHENG EQUIPMENG MANUFACTURING CO., LTD., CN
[85] 2022-12-16
[86] 2021-10-21 (PCT/CN2021/125279)
[87] (WO2022/257320)
[30] CN (202110629707.9) 2021-06-07

[21] **3,187,781**
[13] A1
[51] **Int.Cl. G02B 27/64 (2006.01) H04N 17/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SUPPRESSING ALIASING ERRORS IN IMAGES FROM PIXEL-BASED DISPLAY DEVICES AND FOR EVALUATION OF SUCH DISPLAY DEVICES**
[54] **PROCEDE ET DISPOSITIF POUR REDUIRE LES ERREURS DE CRENELAGE DANS LES IMAGES DES DISPOSITIFS D'AFFICHAGE A BASE DE PIXELS ET POUR L'EVALUATION DES DISPOSITIFS D'AFFICHAGE DE CE TYPE**
[72] ROTSCHOLL, INGO, DE
[72] KRUGER, UDO, DE
[72] SCHMIDT, FRANZ, DE
[72] KEMPE, HEIKO-ULRICH KLAUS, DE
[71] TECHNOTEAM HOLDING GMBH, DE
[85] 2022-12-20
[86] 2021-04-08 (PCT/EP2021/059168)
[87] (WO2022/012789)
[30] DE (10 2020 208 974.4) 2020-07-17

[21] **3,187,782**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06T 19/00 (2011.01)**
[25] EN
[54] **EXTENDED REALITY-BASED USER INTERFACE ADD-ON, SYSTEM AND METHOD FOR REVIEWING 3D OR 4D MEDICAL IMAGE DATA**
[54] **EXTENSION D'INTERFACE UTILISATEUR BASEE SUR LA REALITE ETENDUE, SYSTEME ET PROCEDE D'EXAMEN DE DONNEES D'IMAGE MEDICALE 3D OU 4D**
[72] SCHRECKENBERG, MARCUS, NL
[72] BLANKENHAGEN, MICHAEL, NL
[72] HITSCHRICH, NIKLAS DOMENIC MARIA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-12-20
[86] 2021-06-16 (PCT/EP2021/066205)
[87] (WO2021/259724)
[30] EP (20181714.5) 2020-06-23

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61M 25/01 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **CATHETER AND CATHETER KIT INCLUDING SUCH CATHETER**
[54] **CATHETER ET KIT DE CATHETER COMPRENANT UN TEL CATHETER**
[72] HANCOCK, CHRIS, GB
[72] ULLRICH, GEORGE, GB
[72] WEBB, DAVID, GB
[72] WOODS, DAVID, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-12-20
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[72] FEMONT, OLIVER, BE
[71] FLOODSOLUTIONS NV, BE
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[54] **PREVENTION DE LESIONS AXONALES A L'AIDE D'UN ANTICORPS SE LIANT A L'AMYLOIDE BETA 1-42**
[72] TAN, KEITH, GB
[72] SHERING, CRAIG, US
[72] SIMS, JOHN R., US
[72] DAGE, JEFFREY L., US
[71] MEDIMMUNE LIMITED, GB
[71] ELI LILLY AND COMPANY, US
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[54] **ANALYSE DE L'HEPCIDINE BASEE SUR LA RENINE**
[72] KUNNAS, TARJA, FI
[72] VALJAKKA, JARKKO, FI
[72] PIESANEN, JAAKKO, FI
[72] NIKKARI, SEPPO, FI
[71] TAMPERE UNIVERSITY FOUNDATION SR, FI
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[54] **ENSEMBLE NUMERIQUE ET PROCEDE DE FABRICATION POUR TUYAU D'ECHAPPEMENT DE FLAMME DE SERVOMECANISME**
[72] CAI, QIYU, CN
[72] CHEN, YONG, CN
[72] SHEN, YONG, CN
[72] LU, QIQIANG, CN
[72] ZHANG, XINLAN, CN
[72] TANG, SHUAI, CN
[72] WANG, JIYAN, CN
[72] WANG, TUOKUN, CN
[72] ZHOU, CHENGCHENG, CN
[72] LIN, LEI, CN
[72] JIANG, SONGLIN, CN
[72] HU, ZHOU, CN
[72] NING, HAO, CN
[72] ZHONG, HAN, CN
[72] ZHU, ZHI, CN
[72] WANG, XIAORUI, CN
[71] SICHUAN AEROSPACE CHANGZHENG EQUIPMENG MANUFACTURING CO., LTD., CN
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[54] **A STRUCTURAL TRUSS, ASSEMBLY AND METHOD OF MANUFACTURE**
[54] **STRUCTURE EN TREILLIS, ENSEMBLE ET PROCEDE DE FABRICATION**
[72] COWARD, ANDREW ROBERT, DK
[71] NET ZERO PROJECTS LIMITED, GB
[85] 2022-12-20
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[54] **CELL FRAME, ELECTROCHEMICAL CELL, CELL STACK AND METHOD OF OPERATION**
[54] **CADRE POUR CELLULE, CELLULE ELECTROCHIMIQUE, EMPILEMENT DE CELLULE ET PROCEDE DE FONCTIONNEMENT CORRESPONDANT**
[72] GIRSCHIK, JAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **MILIEU DE CULTURE MICROBIENNE**
[72] ADELANTADO, NURIA, CH
[72] HOLM, HAUKE, CH
[72] KIZIAK, CHRISTOPH, CH
[71] LONZA LTD, CH
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[54] **COMPOSITIONS AND METHODS FOR INCREASING CANCER CELL SENSITIVITY TO ALTERNATING ELECTRIC FIELDS**
[54] **COMPOSITIONS ET PROCEDES POUR AUGMENTER LA SENSIBILITE DES CELLULES CANCEREUSES A DES CHAMPS ELECTRIQUES ALTERNATIFS**
[72] VOLOSHIN-SELA, TALI, IL
[72] AVIGDOR, LILACH, IL
[72] KLEIN-GOLDBERG, ANAT, IL
[71] NOVOCURE GMBH, CH
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[54] **TRAITEMENT THERAPEUTIQUE UTILISANT DES INHIBITEURS DE LA PROTEINE KINASE C (PKC) ET DES AGENTS CYTOTOXIQUES**
[72] RINGHAUSEN, INGO, GB
[72] PARK, EUGENE, GB
[72] CAVALLA, DAVID, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2022-12-20
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[54] **AMELIORATING AGENT OR PROPHYLACTIC AGENT FOR MUSCLE WEAKNESS SYMPTOM IN DISEASE OR SYNDROME ASSOCIATED WITH METABOLIC DISORDER**
[54] **AGENT D'AMELIORATION OU AGENT PROPHYLACTIQUE POUR SYMPTOME DE FAIBLESSE MUSCULAIRE DANS UNE MALADIE OU UN SYNDROME ASSOCIE A UN TROUBLE METABOLIQUE**
[72] OMORI, YU, JP
[72] UCHIDA, MASASHI, JP
[71] TORAY INDUSTRIES, INC., JP
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[54] **APTAMER FOR IL-21 AND USE THEREOF**
[54] **APTAMERE POUR IL-21 ET SON UTILISATION**
[72] AOKI, KAZUTERU, JP
[72] MITSUI, MARIE, JP
[71] RIBOMIC INC., JP
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[54] **CHROMENONE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS**
[54] **COMPOSES DE CHROMENOME UTILES DANS LA LUTTE CONTRE LES INVERTEBRES NUISIBLES**
[72] ZHANG, WENMING, US
[71] FMC CORPORATION, US
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[54] **APPARATUS AND METHOD FOR ELECTRON IRRADIATION SCRUBBING**
[54] **APPAREIL ET PROCEDE POUR NETTOYAGE PAR IRRADIATION D'ELECTRONS**
[72] RAMSAY, WILLIAM JAMIESON, CH
[72] MICHAN, JUAN MARIO, CH
[72] WESTERMARK, HENRIK, CH
[71] DAPHNE TECHNOLOGY SA, CH
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[54] **PROTECTING NON-TARGET TISSUE DURING ABLATION PROCEDURES AND RELATED SYSTEMS AND METHODS**
[54] **PROTECTION DE TISSU NON CIBLE PENDANT DES INTERVENTIONS D'ABLATION ET SYSTEMES ET PROCEDES ASSOCIES**
[72] DROWN, CHRISTINE, US
[72] VINCELETTE, REBECCA, US
[71] MEDTRONIC NAVIGATION, INC., US
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[54] **TETE DE BROSSE A DENTS ELECTRIQUE**
[72] MULLER, WOLF-DIETER, DE
[72] STUBBS, TIM, GB
[71] GLAXOSMITHKLINE CONSUMER HEALTHCARE (UK) IP LIMITED, GB
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[54] **OUTIL INFORMATISE DE SUPPORT DE DECISION ET DISPOSITIF MEDICAL POUR LA DETECTION DE GRATTAGE ET LA PREDICTION D'ERUPTIONS**
[72] MAHADEVAN, NIKHIL, US
[72] DI, JUNRUI, US
[72] CHRISTAKIS, YIORGOS PERIKLES, US
[72] PATEL, SHYAMAL, US
[71] PFIZER INC., US
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[54] **PAPER DRINKING STRAW, BEVERAGE CONTAINER, AND METHOD FOR PRODUCING THE PAPER DRINKING STRAW**
[54] **PAILLE EN PAPIER, RECIPIENT POUR BOISSON ET PROCEDE DE FABRICATION DE LA PAILLE EN PAPIER**
[72] KORBMANN, ANDREAS, DE
[72] SCHEHL, BEATUS, DE
[72] SCHWARTZ, ERHARD, DE
[71] CAPRI SUN AG, CH
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[54] **SALMONELLA STRAIN FOR TREATING CANCER AND USE THEREOF**
[54] **SOUCHE DE SALMONELLA POUR LE TRAITEMENT DU CANCER ET UTILISATION ASSOCIEE**
[72] MIN, JUNG JOON, KR
[72] SONG, MI RYUNG, KR
[72] YOU, SUNG HWAN, KR
[72] HONG, YEONG JIN, KR
[72] HUY, NGUYEN DINH, VN
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[54] **WATER-DRAINABLE AIR-BARRIER TAPE FOR BUILDINGS**
[54] **BANDE BARRIERE A L'AIR POUVANT DRAINER DE L'EAU POUR DES BATIMENTS**
[72] KATSAROS, JAMES DEAN, US
[72] FETTERMAN, CHRISTOPHER E., US
[72] STENDER, MARK, US
[71] DUPONT SAFETY & CONSTRUCTION, INC., US
[71] MOISTURE MANAGEMENT LLC, US
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[54] **INCLINATION AND OFFSET DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION D'INCLINAISON ET DE DECALAGE**
[72] JAERLEBERG, MIKAEL, DE
[71] PERI SE, DE
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[54] **MATERIAL WITH PROISOTROPIC STRESS RESPONSE STRUCTURE**
[54] **MATERIAU AYANT UNE STRUCTURE DE REPONSE AU STRESS PROISOTROPE**
[72] SILVERBERG, JESSE, US
[72] EVANS, ARTHUR, US
[71] MULTISCALE SYSTEMS, INC., US
[85] 2022-12-20
[86] 2021-06-24 (PCT/US2021/038932)
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[54] **CHLORURES DE TRIALKYL SULFONIUM UTILISES COMME FONGICIDES**
[72] NESS, WINFRIED, DE
[72] RAMINHOS, HENRIQUE, DE
[72] STROOT, JORG, DE
[72] STEINBERG, GERO, GB
[72] GURR, SARAH, GB
[72] NIENDORF, JOHANN-CHRISTIAN, DE
[71] HELM AG, DE
[71] UNIVERSITY OF EXETER, GB
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING BONE DISEASES**
[54] **COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES OSSEUSES**
[72] KATO, JURAN, JP
[72] NAITO, TAKAKO, JP
[71] GEXVAL INC., JP
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[86] 2020-08-12 (PCT/JP2020/030736)
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[25] EN
[54] **MOLECULAR DISEASE PROFILE AND USE THEREOF FOR MONITORING AND TREATING RHEUMATOID ARTHRITIS**
[54] **PROFIL DE MALADIE MOLECULAIRE ET SON UTILISATION POUR LA SURVEILLANCE ET LE TRAITEMENT DE LA POLYARTHRITE RHUMATOIDE**
[72] LOZA, MATTHEW J., US
[72] MA, KEYING, US
[71] JANSSEN BIOTECH, INC., US
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[86] 2021-06-15 (PCT/IB2021/055282)
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[25] EN
[54] **CONTROL METHOD FOR DISPENSING A HOT FLUID AND DEVICE FOR DISPENSING A HOT FLUID**
[54] **PROCEDE DE COMMANDE POUR LA DISTRIBUTION D'UN FLUIDE CHAUD ET DISPOSITIF POUR LA DISTRIBUTION D'UN FLUIDE CHAUD**
[72] ROLLA, ALBERTO, IT
[71] GB PROGETTI S.R.L., IT
[85] 2022-12-20
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[25] EN
[54] **SYSTEM AND METHOD FOR PASSIVE SOLAR HOUSES, BUILDINGS AND SKYSCRAPERS WITH INTEGRATED AQUAPONICS, GREENHOUSE AND MUSHROOM CULTIVATION**
[54] **SYSTEME ET PROCEDE POUR MAISONS, BATIMENTS ET GRATTE-CIEL DE TYPE SOLAIRE PASSIF AVEC INTEGRATION DE CULTURE AQUAPONIQUE, DE SERRE ET DE CULTURE DE CHAMPIGNONS**
[72] VILLAMAR, CARLOS R., US
[72] PISARENKO, IRINA, ALEXEEVNA, US
[72] BABLYAK, MARIA, YEVGENYEVNA, US
[71] VILLAMAR, CARLOS R., US
[85] 2022-12-20
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[54] **PIPETTE TIP DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE POINTE DE PIPETTE**
[72] AVIDANO, RICHARD, US
[71] AGILENT TECHNOLOGIES, INC., US
[85] 2022-12-20
[86] 2021-05-14 (PCT/US2021/032413)
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[25] EN
[54] **LOCATION-BASED RECONFIGURATION OF INFUSION PUMP SETTINGS**
[54] **RECONFIGURATION GEODEPENDANTE DE REGLAGES DE POMPE A PERFUSION**
[72] FRYMAN, MARSHALL E., US
[72] PICINICH, MATTEO D., US
[72] VITHYANANTHAN, ANANDARAMAN, US
[72] KHADAR, SYEDJAVID SYED, US
[72] KUMAR, UJJAWAL, US
[71] ICU MEDICAL, INC., US
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[30] IN (202011028208) 2020-07-02
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[25] EN
[54] **COMPUTER TECHNOLOGY FOR INTELLIGENT LISTING CREATION AND AUTOMATED PRICING GUIDANCE**
[54] **TECHNOLOGIE INFORMATIQUE DE CREATION DE LISTAGES INTELLIGENTS ET ORIENTATION AUTOMATISEE DE TARIFICATIONS**
[72] OH, BYONG MOK, US
[72] YAMAGUCHI, TAKUMA, US
[72] SHRIVASTAVA, RISHABH KUMAR, US
[72] KURIBAYASHI, MIKIO FRITZ, US
[72] LAGERLING, JOHN ALEXANDER, US
[72] TANAKA, MINAMI, US
[71] MERCARI, INC., US
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[54] **AEROBIC ELECTROCATALYTIC OXIDATION OF HYDROCARBONS**
[54] **OXYDATION ELECTROCATALYTIQUE AEROBIE D'HYDROCARBURES**
[72] NEUMANN, RONNY, IL
[72] KAUFMAN, YEHONATAN, IL
[71] YEDA RESEARCH & DEVELOPMENT CO. LTD, IL
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[54] **ANALOGUES DE 1'-CYANO NUCLEOSIDE ET LEURS UTILISATIONS**
[72] BYUN, DANIEL H., US
[72] CHUN, BYOUNG-KWON, US
[72] CLARKE, MICHAEL O., US
[72] JANSA, PETR, US
[72] KALLA, RAO V., US
[72] KOLTUN, DMITRY, US
[72] MACKMAN, RICHARD L., US
[72] PERRY, THAO D., US
[72] SIEGEL, DUSTIN S., US
[72] SIMONOVICH, SCOTT P., US
[71] GILEAD SCIENCES, INC., US
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[54] **MEDIA AND METHODS FOR PRODUCING MESENCHYMAL STEM CELLS**
[54] **MILIEUX ET PROCEDES DE PRODUCTION DE CELLULES SOUCHES MESENCHYMATEUSES**
[72] AMIT, MICHAL, IL
[72] DOMEV COHEN, HAGIT, IL
[71] ACCELLTA LTD., IL
[85] 2022-12-20
[86] 2021-06-23 (PCT/IL2021/050769)
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[54] **ANTIBODY MOLECULES TO APRIL AND USES THEREOF**
[54] **MOLECULES D'ANTICORPS CONTRE APRIL ET LEURS UTILISATIONS**
[72] MYETTE, JAMES R., US
[72] SHRIVER, ZACHARY, US
[72] VISWANATHAN, KARTHIK, US
[72] WOLLACOTT, ANDREW M., US
[72] ADARI-HALL, HEDY, US
[72] RAMAKRISHNAN, BOOPATHY, US
[72] BABCOCK, GREGORY, US
[72] YARBROUGH, JILL, US
[72] SCHACHTER, ASHER, US
[72] MATHUR, MOHIT, US
[71] VISTERRA, INC., US
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[54] **ANTIMICROBIAL COMPOUNDS AND COMPOSITIONS**
[54] **COMPOSES ANTIMICROBIENS ET COMPOSITIONS**
[72] GREENHOE, BRIAN M., US
[71] PREVENIAL, LLC, US
[85] 2022-12-20
[86] 2021-06-25 (PCT/US2021/039026)
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[54] **ALLERGEN INACTIVATION METHOD AND ALLERGEN INACTIVATION DEVICE**
[54] **PROCEDE ET DISPOSITIF D'INACTIVATION D'UN ALLERGENE**
[72] HATSUGAI, NORIYUKI, JP
[72] OKUMURA, YASUAKI, JP
[72] WAYAMA, FUMIYA, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
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[54] **MODIFIED RELEASE FORMULATIONS OF MODIFIED FORMS OF TRIMETAZIDINE**
[54] **FORMULATIONS A LIBERATION MODIFIEE DE FORMES MODIFIEES DE TRIMETAZIDINE**
[72] LEVIN, ANDREW D., US
[72] PATEL, JAIKRISHNA, US
[72] MOONEY, GEORGE, US
[72] HERBIG, SCOTT, US
[71] IMBRIA PHARMACEUTICALS, INC., US
[85] 2022-12-20
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[54] **ADJUVANT WITH TLR4 AGONIST ACTIVITY**
[54] **ADJUVANT A ACTIVITE AGONISTE DE TLR4**
[72] BAN, HITOSHI, JP
[72] IMAZAKI, YUSUKE, JP
[72] TAKANASHI, YOSUKE, JP
[72] FUKUSHIMA, AKIHISA, JP
[71] SUMITOMO PHARMA CO., LTD., JP
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[54] **ARTIFICIAL INTELLIGENCE FOR NEXT BEST ACTION**
[54] **INTELLIGENCE ARTIFICIELLE POUR LA MEILLEURE ACTION SUIVANTE**
[72] CARMODY, DAN, US
[72] KRISHNAKUMAR, SWETHA, US
[72] GOLONKA, KENNETH, US
[72] AKHAVI, SARA, US
[72] DOSHI, AMAR, US
[72] SHAH, PREMAL, US
[72] BAJARIA, VIRAL, US
[72] SASSAMAN, STEVEN, US
[71] 6SENSE INSIGHTS, INC., US
[85] 2022-12-20
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[54] **TRANSMISSION DE MESSAGES INITIEE PAR UN SERVEUR A DES DISPOSITIFS MEDICAUX**
[72] FRYMAN, MARSHALL E., US
[72] PICINICH, MATTEO D., US
[72] RINDA, JEFFREY EUGENE, US
[72] COOK, GLEN R., US
[72] TSAI, YUN SHAO, US
[72] VITHYANANTHAN, ANANDARAMAN, US
[72] KHADAR, SYEDJAVID SYED, US
[72] JAIN, PRITISH, US
[72] KUMAR, UJJAWAL, US
[71] ICU MEDICAL, INC., US
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[54] **NASAL HYGIENE COMPOSITIONS, ANTIMICROBIAL TREATMENTS, DEVICES, AND ARTICLES FOR DELIVERY OF SAME TO THE NOSE, TRACHEA AND MAIN BRONCHI**
[54] **COMPOSITIONS D'HYGIENE NASALE, TRAITEMENTS ANTIMICROBIENS, DISPOSITIFS ET ARTICLES POUR LEUR ADMINISTRATION AU NEZ, A LA TRACHEE ET AUX BRONCHES PRINCIPALES**
[72] DEVLIN, THOMAS E., US
[72] EDWARDS, DAVID A., US
[72] AUSIELLO, DENNIS ARTHUR, US
[71] SENSORY CLOUD, INC., US
[85] 2022-12-20
[86] 2021-07-02 (PCT/US2021/040331)
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[54] **MACROCYCLES AND THEIR USE**
[54] **MACROCYCLES ET LEUR UTILISATION**
[72] CUI, JINGRONG JEAN, US
[71] BLOSSOMHILL THERAPEUTICS, INC., US
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[86] 2021-07-08 (PCT/US2021/040859)
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[54] **COMPOSE DE PIPERIDINE SUBSTITUE ET SON APPLICATION**
[72] YOSHIDA, YU, JP
[72] KITA, YOICHI, JP
[72] KOTAKE, MAKOTO, JP
[72] SORIMACHI, KEIICHI, JP
[72] OHFUSA, TOSHIYUKI, JP
[72] MOTOKI, TAKAFUMI, JP
[72] ASABA, TARO, JP
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2022-12-19
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[54] **AN INSPECTION SYSTEM, A CLAMPING STRUCTURE AND AN INSPECTION METHOD IN ASSOCIATION WITH THE INSPECTION SYSTEM**
[54] **SYSTEME D'INSPECTION, STRUCTURE DE SERRAGE ET PROCEDE D'INSPECTION ASSOCIE AU SYSTEME D'INSPECTION**
[72] MAHMOOD, AHMAD KAMIL, MY
[72] AB RAHIM, LUKMAN, MY
[72] ABDUL AZIZ, IZZATDIN, MY
[72] JAAFAR, JAFREEZAL, MY
[72] HASSAN, MOHD FADZIL, MY
[72] HASAN, MOHD HILMI, MY
[72] M ALI, M NAZMI, MY
[72] ABU BAKAR, M HISHAM, MY
[72] M TUSELIM, AHMAD SIRWAN, MY
[72] ZAKARIA, MUZDALIFAH, MY
[71] PETROLIAM NASIONAL BERHAD (PETRONAS), MY
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[54] **METHOD FOR REGULATING THE TRANSFER OF HEAT BETWEEN A SUBSTANTIALLY SOLID BASE AND AN EXTERNAL ENVIRONMENT**
[54] **PROCEDE D'AJUSTEMENT DE LA TRANSMISSION DE CHALEUR ENTRE UNE BASE ESSENTIELLEMENT SOLIDE ET UN MILIEU EXTERNE**
[72] PRIMAKOV, SERGEI, RU
[71] PRIMAKOV, SERGEI, RU
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[54] **SYSTEME DE BARRIERE A RAYONNAGE REGLABLE**
[72] HUANG, YANMING, CN
[72] MA, JUN, CN
[71] BUILD LUCK TRADING LIMITED, CN
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[54] **MAMMALIAN LIVESTOCK PLURIPOTENT STEM CELLS FROM DELAYED EMBRYOS**
[54] **CELLULES SOUCHES PLURIPOTENTES DE BETAIL MAMMALIEN A PARTIR D'EMBRYONS RETARDES**
[72] AMIT, MICHAL, IL
[71] ACCELLTA LTD., IL
[85] 2022-12-20
[86] 2021-07-01 (PCT/IL2021/050817)
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[54] **METHOD OF FUSING MESH SEQUENCES WITHIN VOLUMETRIC VIDEO**
[54] **PROCEDE DE FUSION DE SEQUENCES DE MAILLAGE A L'INTERIEUR D'UNE VIDEO VOLUMETRIQUE**
[72] KAGARLITSKY, SEFY, IL
[72] KEINAN, SHIRLEY, IL
[72] GREEN, AMIR, IL
[72] BARUCH, YAIR, IL
[72] LEV, ROI, US
[72] BIRNBOIM, MICHAEL, IL
[72] TAMIR, MIKY, IL
[71] TETAVI LTD., IL
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[54] **EMULSION, INJECTION AGENT, AND EMULSION PREPARATION METHOD**
[54] **EMULSION, AGENT D'INJECTION ET PROCEDE DE PREPARATION D'EMULSION**
[72] AMANO, YOHEI, JP
[72] KATAGIRI, KAZUMI, JP
[71] KEWPIE CORPORATION, JP
[71] FBC (SHANGHAI) PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
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[54] **TARGET MOLECULE REDOX METHOD AND TARGET MOLECULE REDOX DEVICE**
[54] **METHODE DE MOLECULE REDOX CIBLE ET DISPOSITIF DE MOLECULE REDOX CIBLE**
[72] WAYAMA, FUMIYA, JP
[72] HATSUGAI, NORIYUKI, JP
[72] OKUMURA, YASUAKI, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
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[54] **VEGETATION MANAGEMENT SYSTEM AND VEGETATION MANAGEMENT METHOD**
[54] **SYSTEME DE GESTION DE VEGETATION ET PROCEDE DE GESTION DE VEGETATION**
[72] ZHAO, YU, JP
[72] YAMAMOTO, TOMONORI, JP
[71] HITACHI ENERGY SWITZERLAND AG, CH
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[54] **ANTICOCCIDIAL AGENT AND METHOD FOR USING THE SAME**
[54] **AGENT ANTICOCCIDIAL ET METHODE D'UTILISATION**
[72] FUJIHARA, HIROKAZU, JP
[72] FUCHI, SHUNSUKE, JP
[72] ABE, YUTAKA, JP
[71] NIHON NOHYAKU CO., LTD., JP
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[86] 2021-07-02 (PCT/JP2021/025130)
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[30] JP (2020-115725) 2020-07-03
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[54] **METHOD AND DEVICE FOR SIGNAL TRANSMISSION/RECEPTION USING AGGREGATED CARRIERS**
[54] **PROCEDE ET DISPOSITIF D'EMISSION/RECEPTION DE SIGNAL A L'AIDE DE SUPPORTS AGREGES**
[72] MOON, SUNG HYUN, KR
[72] KIM, CHEUL SOON, KR
[72] LEE, JUNG HOON, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2022-12-20
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[30] KR (10-2020-0085608) 2020-07-10
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[54] **SUPPORT DE SECHE-CHEVEUX**
[72] KAZANCEVA, ELENA IGOREVNA, RU
[71] KAZANCEVA, ELENA IGOREVNA, RU
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[54] **COMPOSITIONS AND METHODS FOR IDENTIFYING EPITOPES**
[54] **COMPOSITIONS ET METHODES POUR IDENTIFIER DES EPITOPES**
[72] WANG, YIFAN, US
[72] FERRETTI, ANDREW P., US
[72] NABILSI, NANCY, US
[72] MACBEATH, GAVIN, US
[72] KULA, TOMASZ, US
[71] TSCAN THERAPEUTICS, INC., US
[85] 2022-12-20
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[25] EN
[54] **SYSTEMS AND METHODS FOR CELL COLLECTION AND PROTECTION OF HARVESTED CELLS**
[54] **SYSTEMES ET PROCEDES DE COLLECTE ET DE PROTECTION DE CELLULES DE CELLULES RECOLTEES**
[72] AKLOG, LISHAN, US
[72] DEGUZMAN, BRIAN J., US
[72] YAZBECK, RICHARD, US
[72] BOUTILLETTE, MICHAEL, US
[72] GIFFORD, JESSIE, US
[71] PAVMED INC., US
[85] 2022-12-20
[86] 2021-08-17 (PCT/US2021/046314)
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[54] **METHODS AND COMPOSITIONS FOR PROTEIN SYNTHESIS AND SECRETION**
[54] **PROCEDES ET COMPOSITIONS POUR LA SYNTHESE ET LA SECRETION DE PROTEINES**
[72] KATZ, LAURA, US
[72] BOTERO BESADA-LOMBANA, PAMELA, US
[71] HELAINA, INC., US
[85] 2023-01-26
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[54] **APPARATUS AND METHOD OF OBTAINING AN IMAGE OF A SAMPLE IN MOTION**
[54] **APPAREIL ET PROCEDE D'OBTENTION D'UNE IMAGE D'UN ECHANTILLON EN MOUVEMENT**
[72] EVANS, GERAINT, GB
[72] HONG, STANLEY, US
[72] SIU, MEREK, US
[72] LU, SHAOPING, US
[72] MOON, JOHN, US
[71] ILLUMINA, INC., US
[71] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2022-12-20
[86] 2021-10-28 (PCT/US2021/056997)
[87] (WO2022/098553)
[30] US (63/110,720) 2020-11-06

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[51] **Int.Cl. C07H 15/10 (2006.01) C08B 37/00 (2006.01) C12P 19/04 (2006.01) C12P 19/18 (2006.01)**
[25] FR
[54] **PROCESS FOR PREPARING ALKYL POLYGLUCOSIDES, AND ALKYL POLYGLUCOSIDES OBTAINED ACCORDING TO THE PROCESS**
[54] **PROCEDE DE PREPARATION DE POLYGLUCOSIDES D'ALKYLE ET POLYGLUCOSIDES D'ALKYLE OBTENUS SELON LE PROCEDE**
[72] SEVERAC, ETIENNE, FR
[72] MOULIS, CLAIRE, FR
[72] GUIEYSSE, DAVIS, FR
[72] MOREL, SANDRINE, FR
[72] REMAUD-SIMEON, MAGALI, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE, FR
[71] INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2022-12-21
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[87] (WO2022/003305)
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[51] **Int.Cl. C07K 14/47 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDE**
[54] **POLYNUCLEOTIDE**
[72] KIA, AZADEH, GB
[72] FOLEY, JONATHAN, GB
[72] CANAVESE, MIRIAM, GB
[72] CORBAU, ROMUALD, GB
[72] CORREIA, SAMANTHA, GB
[71] FREELINE THERAPEUTICS LIMITED, GB
[85] 2022-12-21
[86] 2021-06-25 (PCT/GB2021/051627)
[87] (WO2021/260394)
[30] GB (2009741.6) 2020-06-25

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[51] **Int.Cl. A61K 31/00 (2006.01) A61K 33/243 (2019.01) A61K 31/475 (2006.01) A61K 31/555 (2006.01) A61K 31/675 (2006.01) A61K 31/7048 (2006.01) A61K 33/00 (2006.01) A61K 38/19 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING A GD2-POSITIVE CANCER**
[54] **PROCEDE DE TRAITEMENT D'UN CANCER POSITIF POUR GD2**
[72] LODE, HOLGER NIKOLAUS, DE
[72] LADENSTEIN, RUTH, AT
[71] EUSA PHARMA (UK) LIMITED, GB
[85] 2022-12-21
[86] 2021-07-06 (PCT/GB2021/051721)
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[25] EN
[54] **METHOD OF CHEMICALLY CLEANING PIPEWORK SYSTEMS**
[54] **PROCEDE DE NETTOYAGE CHIMIQUE DE SYSTEMES DE TUYAUTERIE**
[72] SEVIER, DAVID, GB
[71] SEVIER, DAVID, GB
[85] 2022-12-21
[86] 2021-06-28 (PCT/EP2021/025238)
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[51] **Int.Cl. B05D 3/00 (2006.01) B05D 5/06 (2006.01) B05D 7/00 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **PROCEDES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES PIGMENTAIRES MAGNETIQUES OU MAGNETISABLES**
[72] PITTET, HERVE, CH
[72] MARTINI, THIBAUT, CH
[72] VEYA, PATRICK, CH
[72] RUGGERONE, RICCARDO, CH
[72] GARNIER, JEAN, CH
[71] SICPA HOLDING SA, CH
[85] 2022-12-21
[86] 2021-03-25 (PCT/EP2021/057718)
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[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/02 (2006.01) A61B 3/024 (2006.01) A61B 3/028 (2006.01)**
[25] EN
[54] **SUBJECTIVE REFRACTION EXAM SYSTEM**
[54] **SYSTEME D'EXAMEN DE REFRACTION SUBJECTIVE**
[72] LIMON, OFER, IL
[71] 6OVER6 VISION LTD., IL
[85] 2022-12-21
[86] 2021-06-28 (PCT/IB2021/000447)
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/024 (2006.01) A61B 5/01 (2006.01) A61B 5/0205 (2006.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **ILLNESS DETECTION BASED ON NERVOUS SYSTEM METRICS**
[54] **DETECTION DE MALADIE BASEE SUR DES METRIQUES DU SYSTEME NERVEUX**
[72] PHO, GERALD, FI
[72] ASCHBACHER, KIRSTIN, FI
[72] ALTINI, MARCO, FI
[72] RAI, HARPREET, FI
[72] CHAPP, MICHAEL, FI
[71] OURA HEALTH OY, FI
[85] 2022-12-21
[86] 2021-06-25 (PCT/US2021/039263)
[87] (WO2021/263212)
[30] US (63/043,892) 2020-06-25
[30] US (63/049,405) 2020-07-08
[30] US (63/116,981) 2020-11-23
[30] US (17/357,562) 2021-06-24

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/024 (2006.01) A61B 5/01 (2006.01) A61B 5/0205 (2006.01) A61B 5/08 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **ILLNESS DETECTION BASED ON TEMPERATURE DATA**
[54] **DETECTION DE MALADIE BASEE SUR DES DONNEES DE TEMPERATURE**
[72] PHO, GERALD, FI
[72] ASCHBACHER, KIRSTIN, FI
[72] RAI, HARPREET, FI
[72] CHAPP, MICHAEL, FI
[72] SMARR, BEN, FI
[72] MASON, ASHLEY, FI
[71] OURA HEALTH OY, FI
[85] 2022-12-21
[86] 2021-06-25 (PCT/US2021/039260)
[87] (WO2021/263209)
[30] US (63/043,892) 2020-06-25
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[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/078 (2010.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **LAIR-1-BINDING AGENTS AND METHODS OF USE THEREOF**
[54] **AGENTS DE LIAISON A LAIR-1 ET PROCEDES D'UTILISATION ASSOCIES**
[72] FAN, BIN, US
[72] SITRIN, JONATHAN, US
[72] WANG, YAN, US
[72] ZHAO, XUAN, US
[72] CRAWLEY, SUZANNE CHRISTINE, US
[72] LI, BETTY CHAN, US
[72] RIVERA, LEE BENJAMIN, US
[72] SISSONS, JAMES ROBERT, US
[71] NGM BIOPHARMACEUTICALS, INC., US
[85] 2022-12-21
[86] 2021-06-21 (PCT/US2021/038251)
[87] (WO2021/262597)
[30] US (63/042,299) 2020-06-22
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[51] **Int.Cl. G06N 10/00 (2022.01) G06T 11/00 (2006.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **QUANTUM TOMOGRAPHY AND PHOTON SOURCE OPTIMIZATION**
[54] **OPTIMISATION DE TOMOGRAPHIE QUANTIQUE ET DE SOURCE DE PHOTONS**
[72] WANG, ALBERT, US
[71] PSIQUANTUM, CORP., US
[85] 2022-12-21
[86] 2021-06-21 (PCT/US2021/038245)
[87] (WO2021/262595)
[30] US (63/042,405) 2020-06-22
[30] US (17/351,101) 2021-06-17

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[13] A1
[51] **Int.Cl. G01N 21/91 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR NON-DESTRUCTIVE TESTING (NDT) WITH TRAINED ARTIFICIAL INTELLIGENCE BASED PROCESSING**
[54] **PROCEDES ET SYSTEMES DE TEST NON DESTRUCTIF (NDT) AVEC TRAITEMENT A BASE D'INTELLIGENCE ARTIFICIELLE ENTRAINE**
[72] SWANTEK, ANDREW, US
[72] BURNS, WYATT, US
[72] FRY, DAVID, US
[72] BERRY, RAYMOND, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-12-21
[86] 2021-06-18 (PCT/US2021/038069)
[87] (WO2022/005776)
[30] US (63/044,476) 2020-06-26
[30] US (17/350,536) 2021-06-17

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[51] **Int.Cl. H01J 37/32 (2006.01) H05H 1/24 (2006.01) H05H 1/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GRAFTING A MOLECULAR CODE ONTO A MATERIAL BY AN ATMOSPHERIC PLASMA TREATMENT**
[54] **SYSTEMES ET PROCEDES DE GREFFAGE D'UN CODE MOLECULAIRE SUR UN MATERIAU PAR TRAITEMENT PAR PLASMA ATMOSPHERIQUE**
[72] WOLF, RORY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-12-21
[86] 2021-06-16 (PCT/US2021/037547)
[87] (WO2021/262496)
[30] US (63/044,861) 2020-06-26
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[25] EN
[54] **AXIAL DIVERTER/MIXING VALVE**
[54] **VANNE DE DERIVATION/MELANGE AXIALE**
[72] GERHARDT, HEINRICH, US
[72] POOST, ADAM M., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2022-12-21
[86] 2021-05-21 (PCT/US2021/033519)
[87] (WO2021/262356)
[30] US (16/907,512) 2020-06-22

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[51] **Int.Cl. C12M 1/26 (2006.01) C12M 1/28 (2006.01) C12N 3/00 (2006.01) C12Q 1/24 (2006.01) G01N 1/02 (2006.01) G01N 1/22 (2006.01) G01N 15/00 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR COLLECTING FUNGAL SPORES FROM ATMOSPHERE, A METHOD THEREOF AND A DISEASE WARNING SYSTEM**
[54] **APPAREIL POUR COLLECTER DES SPORES FONGIQUES A PARTIR DE L'ATMOSPHERE, PROCEDE ASSOCIE ET SYSTEME D'ALERTE DE MALADIE**
[72] BERGER NETO, AYRTON, BR
[72] DECARO JUNIOR, SERGIO TADEU, BR
[72] AMORIM, RUBENS, BR
[72] ALVES PEREIRA, RAFAEL HENRIQUE, BR
[71] UPL CORPORATION LIMITED, MU
[71] UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS AGROPECUARIOS S.A., BR
[85] 2022-12-21
[86] 2021-06-30 (PCT/BR2021/050287)
[87] (WO2022/000063)
[30] BR (BR 10 2020 013430 2) 2020-06-30
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[25] EN
[54] **SYSTEM FOR PREPARING TEETH FOR RESTORATION**
[54] **SYSTEME DE PREPARATION DE DENTS POUR RESTAURATION**
[72] FARES, MOHAMED, BE
[72] MADSEN, JESSE, US
[71] VIAX DENTAL TECHNOLOGIES LLC, US
[85] 2022-12-21
[86] 2021-05-13 (PCT/US2021/032272)
[87] (WO2021/262336)
[30] US (63/044,143) 2020-06-25

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[51] **Int.Cl. G06Q 10/06 (2023.01) G06Q 10/08 (2023.01) G06Q 10/10 (2023.01)**
[25] EN
[54] **LOCKER SYSTEM FOR CONDITION-BASED STORING AND RETURN OF AN ITEM**
[54] **ARMOIRE DE CONSIGNE POUR LE STOCKAGE ET LE RETOUR BASES SUR DES CONDITIONS D'UN ARTICLE**
[72] JI, JASON, US
[72] CUAN, LUKIIH, US
[72] SHAH, SALIK, US
[72] KALBASI, NEGAR, US
[72] ROSENBERG, ALLISON, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-12-21
[86] 2021-05-06 (PCT/US2021/031020)
[87] (WO2021/262326)
[30] US (16/908,701) 2020-06-22

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[51] **Int.Cl. B08B 1/00 (2006.01) B08B 3/04 (2006.01) B60S 1/04 (2006.01) B60S 1/46 (2006.01)**
[25] EN
[54] **APPARATUS FOR CLEANING AN OPTICAL SURFACE IN AN OPTICAL DEVICE**
[54] **APPAREIL POUR LE NETTOYAGE D'UNE SURFACE OPTIQUE DANS UN DISPOSITIF OPTIQUE**
[72] NABAVI, NIMA, CA
[72] BELL, IAN LAW, CA
[72] NAYERI, JOUBIN, CA
[72] NYULI, COLIN ALEXANDER, CA
[71] EXCELSENSE TECHNOLOGIES CORP., CA
[85] 2022-12-21
[86] 2021-06-22 (PCT/CA2021/050851)
[87] (WO2021/258197)
[30] US (63/042,472) 2020-06-22

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING INFLAMMATORY BOWEL DISEASE WITH TL1A ANTIBODIES**
[54] **METHODES DE TRAITEMENT D'UNE AFFECTION ABDOMINALE INFLAMMATOIRE A L'AIDE D'ANTICORPS TL1A**
[72] BANIECKI, MARY LYNN, US
[72] HASSAN-ZAHRAEE, MINA, US
[72] HUNG, KENNETH EUGENE, US
[72] LI, GANG, US
[72] XI, LI, US
[72] YE, ZHAN, US
[71] PFIZER INC., US
[85] 2022-12-21
[86] 2021-06-23 (PCT/IB2021/055546)
[87] (WO2021/260577)
[30] US (63/044,390) 2020-06-26

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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT CELL TREATMENTS TO IMPROVE PLANT TRANSFORMATION**
[54] **TRAITEMENTS DE CELLULES VEGETALES POUR AMELIORER LA TRANSFORMATION DE PLANTES**
[72] ALABED, DIAA, US
[72] MOELLER, LORENA BEATRIZ, US
[71] BENSON HILL, INC., US
[85] 2022-12-21
[86] 2021-06-24 (PCT/IB2021/055634)
[87] (WO2021/260632)
[30] US (63/043,487) 2020-06-24

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[51] **Int.Cl. B32B 7/00 (2019.01) C08F 210/16 (2006.01) C08J 5/18 (2006.01) C08F 4/659 (2006.01)**
[25] EN
[54] **ETHYLENE INTERPOLYMER PRODUCTS HAVING A MELT FLOW-INTRINSIC VISCOSITY INDEX (MFIVI)**
[54] **PRODUITS A BASE D'INTERPOLYMERES D'ETHYLENE AYANT UN INDICE DE VISCOSITE INTRINSEQUE DE FLUAGE (MFIVI)**
[72] ZHANG, ZENGRONG, CA
[72] SIBTAIN, FAZLE, CA
[72] BROWN, STEPHEN, CA
[72] KLECZEK, MONIKA, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2022-12-21
[86] 2021-07-23 (PCT/IB2021/056672)
[87] (WO2022/043785)
[30] US (63/070,448) 2020-08-26

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[51] **Int.Cl. A41D 13/11 (2006.01) A62B 18/02 (2006.01)**
[25] EN
[54] **STRAPLESS FACE MASK**
[54] **MASQUE FACIAL SANS CORDON**
[72] ARBESMAN, ROMAN, CA
[71] SPIDERTECH INC., CA
[85] 2022-12-21
[86] 2021-06-25 (PCT/CA2021/050880)
[87] (WO2021/258220)
[30] US (63/044,775) 2020-06-26
[30] US (63/050,475) 2020-07-10

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[13] A1
[51] **Int.Cl. B60W 30/00 (2006.01) B60W 60/00 (2020.01) B60W 30/18 (2012.01) G05D 1/02 (2020.01) G08G 1/00 (2006.01) G08G 1/09 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM OF UNMANNED VEHICLE, UNMANNED VEHICLE, AND METHOD OF CONTROLLING UNMANNED VEHICLE**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VEHICULE SANS PILOTE ET VEHICULE SANS PILOTE**
[72] KADONO, YOSUKE, JP
[72] MAEDA, MISATO, JP
[71] KOMATSU LTD., JP
[85] 2022-12-21
[86] 2021-05-25 (PCT/JP2021/019797)
[87] (WO2022/024524)
[30] JP (2020-128166) 2020-07-29

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[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 31/7115 (2006.01) A61P 31/12 (2006.01) A61P 43/00 (2006.01) C12N 9/48 (2006.01) C12N 15/57 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDE INDUCING EXON SKIPPING OF ANGIOTENSIN CONVERTING ENZYME 2 GENE**
[54] **ACIDE NUCLEIQUE ANTISENS INDUISANT LE SAUT D'EXON D'UN GENE D'ENZYME DE CONVERSION DE L'ANGIOTENSINE 2**
[72] MATSUO, MASAFUMI, JP
[72] MAETA, KAZUHIRO, JP
[72] FUJIHARA, TSUYOSHI, JP
[72] OKAMOTO, ITARU, JP
[72] NEYA, MASAHIRO, JP
[71] KNC LABORATORIES CO., LTD., JP
[71] KOBE GAKUIN EDUCATIONAL FOUNDATION, JP
[85] 2022-12-21
[86] 2021-07-19 (PCT/JP2021/026930)
[87] (WO2022/024833)
[30] JP (2020-127142) 2020-07-28

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[13] A1
[51] **Int.Cl. G01V 3/18 (2006.01) E21B 49/02 (2006.01) G01N 27/04 (2006.01) G01V 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR ESTIMATING DEPTH OF HYDROCARBON RESERVOIR**
[54] **PROCEDE D'ESTIMATION DE PROFONDEUR DE RESERVOIR D'HYDROCARBURE**
[72] HERMANRUD, CHRISTIAN, NO
[71] EQUINOR ENERGY AS, NO
[85] 2022-12-21
[86] 2021-07-02 (PCT/NO2021/050159)
[87] (WO2022/005299)
[30] GB (2010153.1) 2020-07-02

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[51] **Int.Cl. A61P 15/08 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **AMH AND/OR INHIBIN B AS A BIOMARKER FOR AN EFFECT OF A TREATMENT TO IMPROVE MALE FERTILITY**
[54] **AMH ET/OU INHIBINE B COMME BIOMARQUEUR D'UN EFFET D'UN TRAITEMENT PERMETTANT D'AMELIORER LA FERTILITE MASCULINE**
[72] JENSEN, MARTIN BLOMBERG, DK
[71] XY THERAPEUTICS APS, DK
[85] 2022-12-21
[86] 2021-06-30 (PCT/DK2021/050218)
[87] (WO2022/002336)
[30] DK (PA 2020 70456) 2020-07-03

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[13] A1
[51] **Int.Cl. C08G 18/24 (2006.01) C08G 18/36 (2006.01) C08G 18/48 (2006.01) C08G 18/67 (2006.01) C08G 18/73 (2006.01) C08G 18/76 (2006.01) C08L 75/08 (2006.01)**
[25] EN
[54] **A POLYURETHANE COMPOSITION FOR PREPARING COMPOSITES**
[54] **COMPOSITION DE POLYURETHANE POUR LA PREPARATION DE COMPOSITES**
[72] DENG, YAN, CN
[72] CHEN, RUQI, CN
[72] LIU, LIGUO, CN
[72] LIU, JINGMEI, CN
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2022-12-21
[86] 2021-06-25 (PCT/EP2021/067476)
[87] (WO2022/002784)
[30] CN (202010616599.7) 2020-06-30

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **WAREHOUSE FOR THE STORAGE AND RETRIEVAL OF GOODS OR BUNDLES OF GOODS PLACED ON LOAD CARRIERS**
[54] **ENTREPOT POUR LE STOCKAGE ET LA RECUPERATION DE MARCHANDISES OU DE LOTS DE MARCHANDISES PLACES SUR DES SUPPORTS DE CHARGE**
[72] HERMSEN, JEROEN, NL
[72] STRAATSMA, ERWIN, NL
[71] NEDCON B.V., NL
[85] 2022-12-21
[86] 2021-06-30 (PCT/EP2021/068048)
[87] (WO2022/003048)
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[54] **METHOD FOR THE THERMAL TREATMENT OF MINERAL RAW MATERIALS**
[54] **PROCEDE DE TRAITEMENT THERMIQUE DE MATIERES PREMIERES MINERALES**
[72] PERTERER, THOMAS, DE
[71] LHOIST RECHERCHE ET DEVELOPPEMENT S.A., BE
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[87] (WO2022/003143)
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[25] EN
[54] **DEVICE AND PROCESS FOR AUTOMATED LOADING AND UNLOADING OF PARCELS**
[54] **DISPOSITIF ET PROCEDE DE CHARGEMENT ET DECHARGEMENT AUTOMATISES DE COLIS**
[72] HADDAD, ANTOINE, PL
[71] HADDAD & CO S.A.L. (HOLDING COMPANY), LB
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[54] **CIS-BINDING SIGLEC AGONISTS AND RELATED COMPOSITIONS AND METHODS**
[54] **AGONISTES DE SIGLEC A LIAISON CIS, COMPOSITIONS ET PROCEDES ASSOCIES**
[72] BERTOZZI, CAROLYN, US
[72] DELAVERIS, CORLEONE, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-12-21
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[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **CELL-BASED METHODS FOR PREDICTING POLYPEPTIDE IMMUNOGENICITY**
[54] **METHODES A BASE DE CELLULES POUR PREDIRE L'IMMUNOGENICITE POLYPEPTIDIQUE**
[72] KAMEN, LYNN ANNE, US
[72] MELENDEZ, RACHEL ANN, US
[72] CHUNG, SHAN, US
[71] GENENTECH, INC., US
[85] 2022-12-21
[86] 2021-07-13 (PCT/US2021/041422)
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[51] **Int.Cl. A61F 5/41 (2006.01) A61H 19/00 (2006.01)**
[25] EN
[54] **DEVICE FOR ENHANCING AND/OR MAINTAINING A PENILE ERECTION AND/OR ENHANCING PLEASURE DURING SEXUAL ACTIVITY**
[54] **DISPOSITIF POUR AMELIORER ET/OU MAINTENIR UNE ERECTION PENIENNE ET/OU AMELIORER LE PLAISIR PENDANT UNE ACTIVITE SEXUELLE**
[72] SHAW, NIGEL A., CA
[71] 11304330 CANADA INC., CA
[85] 2022-12-22
[86] 2020-06-26 (PCT/CA2020/050888)
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[51] **Int.Cl. G06F 16/17 (2019.01) G06F 16/16 (2019.01) G06F 16/901 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIGITAL INFORMATION MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION D'INFORMATIONS NUMERIQUES**
[72] WILSON, PETER, CA
[71] SEFF TECHNOLOGY CORPORATION, CA
[85] 2022-12-22
[86] 2021-06-30 (PCT/CA2021/050906)
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[51] **Int.Cl. G01P 13/00 (2006.01) G01P 15/14 (2013.01) G08B 21/02 (2006.01) G08B 25/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING FALL EVENTS**
[54] **PROCEDE ET APPAREIL DE DETECTION D'EVENEMENTS DE CHUTE**
[72] ZAMANPOUR, MOHAMMAD, CA
[72] SOLTANIAN, MOHAMMAD, IR
[72] SHOKOUFI, MAJID, CA
[72] HASSANPOUR ZAHRAEI, SALMAN, IR
[71] EPIC SAFETY INC., CA
[85] 2022-12-22
[86] 2021-07-05 (PCT/CA2021/050914)
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[30] US (63/048,522) 2020-07-06

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[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTI-TROP2 ANTIBODY**
[54] **ANTICORPS ANTI-TROP2**
[72] ZHU, YI, CN
[72] ZHANG, YONG, CN
[72] ZHUO, SHI, CN
[72] DING, MURAN, CN
[72] WANG, ZUN, CN
[71] BAILI-BIO (CHENGDU) PHARMACEUTICAL CO., LTD., CN
[85] 2022-12-22
[86] 2021-06-18 (PCT/CN2021/100903)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 37/02 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **DRUG FOR TREATING TUMOR**
[54] **MEDICAMENT POUR LE TRAITEMENT DE TUMEUR**
[72] SU, NAN, CN
[72] ZHANG, XIQUAN, CN
[72] CHEN, JIE, CN
[72] WANG, XUNQIANG, CN
[72] LI, KUN, CN
[72] YU, DING, CN
[72] WANG, RONGLIANG, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
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[86] 2021-06-30 (PCT/CN2021/103687)
[87] (WO2022/002153)
[30] CN (202010619083.8) 2020-06-30
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[51] **Int.Cl. A01K 61/80 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **METHOD FOR RAISING FISH IN A RECIRCULATED AQUACULTURE SYSTEM**
[54] **PROCEDE D'ELEVAGE DE POISSONS DANS UN SYSTEME D'AQUACULTURE A RECIRCULATION**
[72] DETHLEFSEN, MARKUS WIED, DK
[71] GRAINTEC A/S, DK
[85] 2022-12-22
[86] 2021-07-15 (PCT/DK2021/050240)
[87] (WO2022/012728)
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[51] **Int.Cl. G06F 30/392 (2020.01) G06N 10/00 (2022.01) G06N 5/00 (2023.01) G06N 5/02 (2023.01)**
[25] EN
[54] **QUANTUM OPERATION CONTROL LAYOUT FOR A QUANTUM COMPUTATION**
[54] **DISPOSITION DE COMMANDE DE FONCTIONNEMENT QUANTIQUE POUR UN CALCUL QUANTIQUE**
[72] LECHNER, WOLFGANG, AT
[71] PARITY QUANTUM COMPUTING GMBH, AT
[85] 2022-12-22
[86] 2020-07-09 (PCT/EP2020/069416)
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[51] **Int.Cl. A01N 1/00 (2006.01) A23K 20/105 (2016.01) A23K 20/158 (2016.01)**
[25] EN
[54] **STABLE LIQUID ANIMAL FEED INGREDIENT**
[54] **INGREDIENT LIQUIDE STABLE POUR ALIMENT POUR ANIMAUX**
[72] JOCHEMS, EVELIEN JOHANNA MARINUS, NL
[72] JANSEN, MARTINUS ADRIANUS GERTRUDUS, NL
[71] PURAC BIOCHEM B.V., NL
[85] 2022-12-22
[86] 2020-11-20 (PCT/EP2020/082979)
[87] (WO2021/038113)
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[51] **Int.Cl. F26B 9/06 (2006.01) F26B 21/00 (2006.01) F26B 21/02 (2006.01) F26B 21/04 (2006.01) F26B 21/08 (2006.01)**
[25] EN
[54] **DEVICE FOR DRYING AND/OR DISINFECTING OBJECTS**
[54] **DISPOSITIF POUR SECHER ET/OU DESINFECTER DES OBJETS**
[72] SEIDL, ANDREAS, AT
[71] STEURER TROCKNUNGS- UND AUFBEWAHRUNGSSYSTEME GMBH, AT
[85] 2022-12-22
[86] 2021-06-02 (PCT/EP2021/064856)
[87] (WO2022/012813)
[30] DE (10 2020 118 881.1) 2020-07-16

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[51] **Int.Cl. F42B 12/06 (2006.01)**
[25] EN
[54] **PENETRATOR, USE OF A PENETRATOR, AND PROJECTILE**
[54] **PENETRATEUR, UTILISATION D'UN PENETRATEUR ET PROJECTILE**
[72] BERG, MARTIN, DE
[72] BAUMANN, CHRISTIAN, DE
[72] GOWIN, MICHAEL, DE
[71] RHEINMETALL WAFFE MUNITION GMBH, DE
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[87] (WO2021/259651)
[30] DE (10 2020 116 589.7) 2020-06-24

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[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6886 (2018.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTING AND TREATING CANCER WITH FGFR3 INHIBITORS**
[54] **METHODES POUR SELECTIONNER ET TRAITER UN CANCER AVEC DES D'INHIBITEURS DE FGFR3**
[72] MILBURN, MICHAEL, US
[72] MAYHEW, GREG, US
[72] EISNER, JOEL, US
[72] PEROU, CHARLES, US
[71] GENECENTRIC THERAPEUTICS, INC., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2022-12-22
[86] 2021-06-22 (PCT/US2021/038446)
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[13] A1
[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR STREAMLINING CREDIT AND/OR DEBIT CARD TRANSACTIONS UTILIZING BLOCKCHAIN SUPPORTED CREDIT TOKENS AND/OR DEBIT TOKENS**
[54] **RATIONALISATION DE TRANSACTIONS DE CARTES DE CREDIT ET/OU DE DEBIT UTILISANT DES JETONS DE CREDIT ET/OU DES JETONS DE DEBIT SUPPORTES PAR UNE CHAINE DE BLOCS**
[72] YAN, JUN, US
[71] TRADOVE, INC., US
[85] 2022-12-22
[86] 2021-06-22 (PCT/US2021/038493)
[87] (WO2021/262724)
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[51] **Int.Cl. A41D 13/08 (2006.01) A61F 5/01 (2006.01) A61F 13/10 (2006.01) A61F 17/00 (2006.01)**
[25] EN
[54] **ARM PROTECTOR KITS AND METHODS OF MAKING AND USING THE SAME**
[54] **KITS DE PROTECTION DE BRAS ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] JENKINS, BRIAN E., US
[72] AYRES, CAYD, US
[72] ALESBURY, SIMON, GB
[72] HODA, PARKER, US
[71] GRI-ALLESET, INC., US
[85] 2022-12-22
[86] 2021-06-23 (PCT/US2021/038601)
[87] (WO2021/262800)
[30] US (63/043,219) 2020-06-24

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[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **2,3-DISUBSTITUTED PYRIDO[3,4-.BETA.]PYRAZINE-CONTAINING COMPOUNDS AS KINASE INHIBITORS**
[54] **COMPOSES CONTENANT PYRIDO[3,4-.BETA.]PYRAZINE 2,3-DISUBSTITUES EN TANT QU'INHIBITEURS DE KINASE**
[72] SINTIM, HERMAN O., US
[72] LAROCQUE, ELIZABETH ANNE, US
[72] HERNANDEZ, DELMIS E., US
[72] DAYAL, NEETU, IN
[71] PURDUE RESEARCH FOUNDATION, US
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[86] 2021-06-24 (PCT/US2021/038791)
[87] (WO2021/262915)
[30] US (63/043,246) 2020-06-24

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[25] EN
[54] **HYBRID AUTONOMY SYSTEM FOR AUTONOMOUS AND AUTOMATED DELIVERY VEHICLE**
[54] **SYSTEME D'AUTONOMIE HYBRIDE POUR VEHICULE DE LIVRAISON AUTONOME ET AUTOMATISE**
[72] SHIH, HARRISON, US
[72] GEORGE, MISHEL, US
[71] DOORDASH, INC., US
[85] 2022-12-22
[86] 2021-05-26 (PCT/US2021/034218)
[87] (WO2022/005649)
[30] US (16/917,827) 2020-06-30

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[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/415 (2006.01)**
[25] EN
[54] **ENHANCED CELL SURVIVAL AGAINST BIOTIC AND ABIOTIC STRESSES THROUGH SALICYLIC ACID-INDUCED NPR1 CONDENSATES**
[54] **SURVIE CELLULAIRE AMELIOREE FACE AUX STRESS BIOTIQUE ET ABIOTIQUE AU MOYEN DE CONDENSATS NPR1 INDUITS PAR L'ACIDE SALICYLIQUE**
[72] DONG, XINNIAN, US
[72] ZAVALIEV, RAUL, US
[71] DUKE UNIVERSITY, US
[85] 2022-12-22
[86] 2021-06-22 (PCT/US2021/038430)
[87] (WO2021/262685)
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[51] **Int.Cl. E01F 7/04 (2006.01) E01F 8/02 (2006.01) E01F 15/14 (2006.01)**
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[54] **STRUCTURE FOR ABSORBING IMPACT ENERGY**
[54] **STRUCTURE D'ABSORPTION D'UNE ENERGIE D'IMPACT**
[72] BENNANI BRAOULI, YASSINE, FR
[72] FREITAG, NICOLAS, FR
[71] SOLETANCHE FREYSSINET, FR
[85] 2022-12-22
[86] 2021-06-25 (PCT/FR2021/051170)
[87] (WO2021/260336)
[30] FR (FR2006665) 2020-06-25

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[51] **Int.Cl. C04B 24/24 (2006.01) C08L 95/00 (2006.01) E01C 7/24 (2006.01)**
[25] FR
[54] **CATIONIC SPREADING EMULSION**
[54] **EMULSION CATIONIQUE DE REPANDAGE**
[72] LEBARBE, THOMAS, FR
[72] DELFOSSE, FREDERIC, FR
[72] PIERRE, MARIE-LAURE, FR
[71] VINCI CONSTRUCTION, FR
[85] 2022-12-22
[86] 2021-07-01 (PCT/FR2021/051207)
[87] (WO2022/003296)
[30] FR (2006961) 2020-07-01

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[13] A1
[51] **Int.Cl. A01N 35/10 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC HERBICIDE COMBINATIONS, COMPOSITIONS AND USE THEREOF**
[54] **COMBINAISONS HERBICIDES SYNERGIQUES ET LEUR UTILISATION**
[72] PIROTTE, ALAN, BE
[72] BAILLY, GERALDINE, FR
[72] HAWKINS, EMMA LOUISE, GB
[72] SEPULCHRE DE CONDE, CHRISTOPHE, FR
[71] UPL CORPORATION LIMITED, MU
[71] UPL EUROPE LTD., GB
[85] 2022-12-22
[86] 2021-06-30 (PCT/GB2021/051666)
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[30] EP (20305740.1) 2020-07-01

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[51] **Int.Cl. E21B 19/09 (2006.01) E21B 19/14 (2006.01) E21B 19/15 (2006.01) E21B 19/16 (2006.01) E21B 19/20 (2006.01)**
[25] EN
[54] **HORIZONTAL RACKING AND STAND BUILDING SYSTEM**
[54] **SYSTEME HORIZONTAL DE RATELIER ET DE CONSTRUCTION DE SUPPORT**
[72] MCKENZIE, ANDREW IAN, US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2022-12-22
[86] 2021-06-29 (PCT/US2021/070786)
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[30] US (63/052,150) 2020-07-15

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[51] **Int.Cl. E05B 65/44 (2006.01)**
[25] EN
[54] **LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE**
[72] BACKHAUS, DIRK, DE
[71] BURG F.W. LULING KG, DE
[71] USM U. SCHARER SOHNE AG, CH
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[86] 2021-06-18 (PCT/EP2021/066568)
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[30] DE (20 2020 103 687.4) 2020-06-26

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[51] **Int.Cl. A01B 71/08 (2006.01) F16D 3/84 (2006.01)**
[25] EN
[54] **A PROTECTION SYSTEM FOR A DRIVE SHAFT AND DRIVE SHAFT COMPRISING SAID PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION POUR ARBRE PRIMAIRE ET ARBRE PRIMAIRE COMPRENANT LEDIT SYSTEME DE PROTECTION**
[72] BONDIOLI, EDI (DECEASED), XX
[71] LUSETTI, LEA, IT
[71] BONDIOLI, CARLO, IT
[71] BONDIOLI, CLAUDIO, IT
[85] 2022-12-22
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[30] IT (102020000014905) 2020-06-22

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[51] **Int.Cl. B60G 11/34 (2006.01) F16F 1/02 (2006.01) F16F 1/18 (2006.01)**
[25] EN
[54] **SELF-RETAINING SPRING FOR FLAT-WIPING CONTACTS**
[54] **RESSORT AUTO-RETENTEUR POUR CONTACTS A GLISSEMENT PLAT**
[72] LI, JIA YONG, US
[72] HANEY, JOSHUA WILLIAM, US
[71] IDEAL INDUSTRIES, INC., US
[85] 2022-12-22
[86] 2021-08-20 (PCT/US2021/046956)
[87] (WO2022/040559)
[30] US (63/068,848) 2020-08-21

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[13] A1
[51] **Int.Cl. A61K 35/761 (2015.01) C12N 15/861 (2006.01)**
[25] EN
[54] **ONCOLYTIC ADENOVIRUS WITH REPLICATION SELECTIVITY BASED ON STATUS OF P53 TRANSCRIPTIONAL ACTIVITY**
[54] **ADENOVIRUS ONCOLYTIQUE A SELECTIVITE DE REPLICATION BASEE SUR L'ETAT DE L'ACTIVITE TRANSCRIPTIONNELLE DE LA P53**
[72] PARTLO, WILLIAM, US
[72] O'SHEA, CLODAGH, US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2022-12-22
[86] 2021-07-06 (PCT/US2021/040580)
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[51] **Int.Cl. B31B 50/00 (2017.01) B31B 50/26 (2017.01) B31B 50/62 (2017.01) B65D 5/20 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF AN ECO-BOWL**
[54] **PROCEDE DE PRODUCTION D'UNE ECO-BARQUETTE**
[72] NAGEL, ANDREAS, DE
[72] LINDNER, RUDIGER, DE
[71] DS SMITH PACKAGING DEUTSCHLAND STIFTUNG & CO. KG, DE
[85] 2022-12-22
[86] 2021-06-22 (PCT/EP2021/066928)
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[25] EN
[54] **ANTI-CD2 ANTIBODIES**
[54] **ANTICORPS ANTI-CD2**
[72] BERGLUND, DAVID, US
[72] BERGLUND, ERIK, US
[72] SELLBERG, FELIX, SE
[72] BINDER, CHRISTIAN, SE
[71] ZELARION MALTA LIMITED, MT
[85] 2022-12-22
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[87] (WO2021/259927)
[30] US (63/042,844) 2020-06-23
[30] US (63/135,381) 2021-01-08
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[51] **Int.Cl. A61K 31/395 (2006.01) A61K 31/435 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/5377 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01) C07D 207/04 (2006.01) C07D 207/06 (2006.01)**
[25] EN
[54] **POLYCYCLIC AMINES FOR OPIOID RECEPTOR MODULATION**
[54] **AMINES POLYCYCLIQUES POUR LA MODULATION DU RECEPTEUR OPIOIDE**
[72] WANG, XIAODONG, US
[72] LI, BAIZHI, CN
[71] ECSTASY LLC, US
[85] 2022-12-22
[86] 2021-06-30 (PCT/US2021/039739)
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[30] US (63/046,813) 2020-07-01

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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 21/00 (2006.01) B65G 21/08 (2006.01) B66F 9/07 (2006.01)**
[25] EN
[54] **ROLL SHUTTLE AND SUSPENDED ROLL SHUTTLE**
[54] **NAVETTE A ROULEAUX ET NAVETTE A ROULEAUX SUSPENDUS**
[72] FRISSENBICHLER, WERNER, AT
[71] FB INDUSTRY AUTOMATION GMBH, AT
[85] 2022-12-22
[86] 2021-06-23 (PCT/EP2021/067127)
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[30] DE (10 2020 207 826.2) 2020-06-24

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[51] **Int.Cl. C07K 14/71 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **ASSAYS FOR FIXED DOSE COMBINATIONS**
[54] **DOSAGES POUR DES COMBINAISONS DE DOSES FIXES**
[72] AVENAL, CECILE, CH
[72] HOLZMANN, NADINE, CH
[72] NOAK, MICHAEL, CH
[72] RUCHTY, TANIA, CH
[72] SCHAEFER, GABRIELE MARIA, US
[72] ZAEHRINGER, FRANZISKA, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] GENENTECH, INC., US
[85] 2022-12-22
[86] 2021-07-13 (PCT/EP2021/069405)
[87] (WO2022/013189)
[30] US (63/051,596) 2020-07-14
[30] EP (20210641.5) 2020-11-30

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[13] A1
[51] **Int.Cl. B26B 7/00 (2006.01) B26B 19/00 (2006.01) B26B 19/28 (2006.01) B26B 19/38 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ELECTRONIC KNIFE AND RELATED SYSTEMS AND METHODS**
[54] **COUTEAU ELECTRONIQUE AINSI QUE SYSTEMES ET PROCEDES ASSOCIES**
[72] HEIMENDINGER, SCOTT, US
[71] SEATTLE FOOD GEEK APPLIED SCIENCES, LLC, US
[85] 2022-12-22
[86] 2021-06-29 (PCT/US2021/039703)
[87] (WO2022/006167)
[30] US (63/045,802) 2020-06-29

[21] **3,188,137**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING HEMOPHILIA**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER L'HEMOPHILIE**
[72] MEI, BAISONG, US
[72] ANDERSSON, SHAUNA, US
[72] YU, QIFENG, US
[72] DASMAHAPATRA, PRONABESH, US
[71] GENZYME CORPORATION, US
[85] 2022-12-22
[86] 2021-06-22 (PCT/US2021/038445)
[87] (WO2021/262695)
[30] US (63/042,390) 2020-06-22

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **CCR8 ANTIBODIES FOR THERAPEUTIC APPLICATIONS**
[54] **ANTICORPS CCR8 POUR APPLICATIONS THERAPEUTIQUES**
[72] FILARSKY, KATHARINA, DE
[72] VON AHSEN, OLIVER, DE
[72] BERNDT, SANDRA, DE
[72] NADLER, WIEBKE, MARIA, DE
[72] ELLINGER, PHILIPP, DE
[72] STELTE-LUDWIG, BEATRIX, DE
[72] HOFF, SABINE, DE
[72] ROIDER, HELGE, DE
[72] WEBER, ERNST, DE
[72] TRAUTWEIN, MARK, DE
[72] VOTSMEIER, CHRISTIAN, DE
[72] PAWLOWSKI, NIKOLAUS, DE
[72] GRITZAN, UWE, DE
[72] BUCHMANN, PASCALE, DE
[72] BERTLING, CHRISTIAN, DE
[72] TSENG, SU-YI, US
[72] PAZ, PEDRO, US
[72] OH, PHAIK, LYN, US
[72] JONES, PATRICK, US
[72] GORJANACZ, MATYAS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-12-22
[86] 2021-06-25 (PCT/EP2021/067504)
[87] (WO2021/152186)
[30] US (62/705,434) 2020-06-26
[30] US (62/705,608) 2020-07-07
[30] EP (20205426.8) 2020-11-03

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **AGGREGATION OF NOISY DATASETS INTO MASTER FIRMOGRAPHIC DATABASE**
[54] **AGREGATION DE JEUX DE DONNEES BRUITES EN UNE BASE DE DONNEES MAITRESSE DE DEMOGRAPHIE DES ENTREPRISES**
[72] VO, TAI, US
[72] VIJAYVARGIYA, NITIN, US
[72] HSIUNG, DANIEL, US
[72] SHAH, PREMAL, US
[72] BAJARIA, VIRAL, US
[72] PALAKODETY, AKSHARA, US
[71] 6SENSE INSIGHTS, INC., US
[85] 2022-12-22
[86] 2021-06-29 (PCT/US2021/039681)
[87] (WO2022/006151)
[30] US (63/045,707) 2020-06-29

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[13] A1
[51] **Int.Cl. F16L 11/20 (2006.01) F16L 29/00 (2006.01) F16L 33/01 (2006.01) F16L 39/00 (2006.01) F16L 39/02 (2006.01)**
[25] EN
[54] **EXPANDABLE HOSE**
[54] **TUYAU EXTENSIBLE**
[72] BREEDEN, WINSTON H., III, US
[72] HATCHER, TROY, US
[72] HAUK, GRANT, US
[72] GYURE, RICK, US
[72] TAYLOR, CURTIS, US
[72] HANSON, MAT, US
[72] MISENER, AARON, US
[72] MERGENHAGEN, BOB, US
[71] WINSTON PRODUCTS LLC, US
[85] 2022-12-22
[86] 2021-06-24 (PCT/US2021/038903)
[87] (WO2021/262982)
[30] US (63/043,759) 2020-06-24
[30] US (63/071,328) 2020-08-27
[30] US (63/078,845) 2020-09-15
[30] US (63/122,104) 2020-12-07

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[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SOLUTION FOR DETERMINATION OF SUPRAPHYSIOLOGICAL BODY JOINT MOVEMENTS**
[54] **SOLUTION PERMETTANT LA DETERMINATION DE MOUVEMENTS D'ARTICULATION DU CORPS SUPRAPHYSIOLOGIQUES**
[72] FAGERSTROM, MARTIN, SE
[72] NILSSON, ALICE, SE
[72] NILSSON, JOEL, SE
[72] RYDEVALD, ALEXANDER, SE
[72] SAMUELSSON, KRISTIAN, SE
[72] HAMRIN SENORSKI, ERIC, SE
[72] SODERHOLM, LINN, SE
[71] KNEEDLY AB, SE
[85] 2022-12-22
[86] 2021-06-17 (PCT/SE2021/050594)
[87] (WO2022/005362)
[30] SE (2050794-3) 2020-06-30

[21] **3,188,142**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **CHEMOKINE RECEPTOR ANTIBODIES BINDING SULFATED TRD MOTIFS**
[54] **ANTICORPS ANTI-RECEPTEUR DE CHIMIOKINE SE LIANT A DES MOTIFS TRD SULFATES**
[72] BERNDT, SANDRA, DE
[72] FILARSKY, KATHARINA, DE
[72] ELLINGER, PHILIPP, DE
[72] STELTE-LUDWIG, BEATRIX, DE
[72] HOFF, SABINE, DE
[72] ROIDER, HELGE, DE
[72] WEBER, ERNST, DE
[72] TRAUTWEIN, MARK, DE
[72] VOTSMEIER, CHRISTIAN, DE
[72] PAWLOWSKI, NIKOLAUS, DE
[72] GRITZAN, UWE, DE
[72] BUCHMANN, PASCALE, DE
[72] BERTLING, CHRISTIAN, DE
[72] VON AHSEN, OLIVER, DE
[72] NADLER, WIEBKE, MARIA, DE
[72] TSENG, SU-YI, US
[72] PAZ, PEDRO, US
[72] OH, PHAIK, LYN, US
[72] JONES, PATRICK, US
[72] GORJANACZ, MATYAS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-12-22
[86] 2021-06-25 (PCT/EP2021/067574)
[87] (WO2021/260206)
[30] US (62/705,434) 2020-06-26
[30] US (62/705,608) 2020-07-07
[30] EP (20205426.8) 2020-11-03

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ANTIGEN-SPECIFIC T CELL RECEPTORS AND CHIMERIC ANTIGEN RECEPTORS, AND METHODS OF USE IN IMMUNE SIGNALING MODULATION FOR CANCER IMMUNOTHERAPY**
[54] **RECEPTEURS DE LYMPHOCYTES T SPECIFIQUES D'ANTIGENES ET RECEPTEURS ANTIGENIQUES CHIMERIQUES, ET METHODES D'UTILISATION DANS LA MODULATION DE LA SIGNALISATION IMMUNITAIRE POUR L'IMM UNOTHERAPIE ANTICANCEREUSE**
[72] WANG, RONGFU, US
[72] WANG, YICHENG, US
[72] YIN, BINGNAN, US
[72] QIAN, CHEN, US
[72] LIU, XIN, US
[71] THE METHODIST HOSPITAL, US
[85] 2022-12-22
[86] 2021-06-25 (PCT/US2021/039262)
[87] (WO2021/263211)
[30] US (63/044,150) 2020-06-25

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[13] A1
[51] **Int.Cl. A23L 11/00 (2021.01) A23L 29/00 (2016.01) A23L 11/60 (2021.01) A23L 11/65 (2021.01)**
[25] EN
[54] **WHOLE SOY FOODSTUFF AND METHODS OF MAKING THE SAME**
[54] **PRODUIT ALIMENTAIRE A BASE DE SOJA ENTIER ET PROCEDES DE PREPARATION D'UN TEL PRODUIT ALIMENTAIRE**
[72] DODAL, ROHAN, US
[72] RAHMAN, MAMUNUR, US
[71] THE COCA-COLA COMPANY, US
[85] 2022-12-22
[86] 2021-06-25 (PCT/US2021/039116)
[87] (WO2021/263119)
[30] US (63/044,804) 2020-06-26

[21] **3,188,145**
[13] A1
[51] **Int.Cl. B60C 11/12 (2006.01)**
[25] EN
[54] **TIRE TREAD WITH THREE SIPE LEVELS AND TIRE**
[54] **BANDE DE ROULEMENT DE PNEU AVEC TROIS NIVEAUX DE LAMELLE ET PNEU**
[72] TIRONE, ANTONIO, IT
[72] PISCOPO, GUIDO, IT
[72] DELLI CASTELLI, GIUSEPPE, IT
[71] BRIDGESTONE EUROPE NV/SA, BE
[85] 2022-12-22
[86] 2021-07-28 (PCT/IB2021/056854)
[87] (WO2022/023993)
[30] IT (102020000018736) 2020-07-31

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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **ANTI CCR8 ANTIBODY THERAPY: BIOMARKERS & COMBINATION THERAPIES**
[54] **THERAPIE PAR ANTICORPS ANTI-CCR8 : BIOMARQUEURS ET POLYTHERAPIES**
[72] BERNDT, SANDRA, DE
[72] FILARSKY, KATHARINA, DE
[72] ELLINGER, PHILIPP, DE
[72] STELTE-LUDWIG, BEATRIX, DE
[72] HOFF, SABINE, DE
[72] ROIDER, HELGE, DE
[72] WEBER, ERNST, DE
[72] TRAUTWEIN, MARK, DE
[72] VOTSMEIER, CHRISTIAN, DE
[72] PAWLOWSKI, NIKOLAUS, DE
[72] GRITZAN, UWE, DE
[72] BUCHMANN, PASCALE, DE
[72] BERTLING, CHRISTIAN, DE
[72] VON AHSEN, OLIVER, DE
[72] NADLER, WIEBKE, MARIA, DE
[72] TSENG, SU-YI, US
[72] PAZ, PEDRO, US
[72] OH, PHAIK, LYN, US
[72] JONES, PATRICK, US
[72] GORJANACZ, MATYAS, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-12-22
[86] 2021-06-25 (PCT/EP2021/067580)
[87] (WO2021/260210)
[30] US (62/705,434) 2020-06-26
[30] US (62/705,608) 2020-07-07
[30] EP (20205426.8) 2020-11-03

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[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) A01G 7/04 (2006.01) A01G 9/02 (2018.01) A01G 25/16 (2006.01) A01G 31/02 (2006.01)**
[25] EN
[54] **PRESERVATION MODE FOR PLANT-GROWING SYSTEM**
[54] **MODE DE CONSERVATION POUR SYSTEME DE CULTURE DE PLANTES**
[72] ROUXEL, FRANCOIS-XAVIER, US
[71] GARDYN INC., US
[85] 2022-12-22
[86] 2021-06-25 (PCT/US2021/039172)
[87] (WO2021/263154)
[30] US (63/044,987) 2020-06-26

[21] **3,188,148**
[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **GEOMETRICALLY DEFINED SHAPES AND/OR CONTOUR OPTICAL ELEMENTS FOR OPHTHALMIC LENSES AND METHODS FOR CREATING SUCH GEOMETRICALLY DEFINED SHAPES AND/OR CONTOUR OPTICAL ELEMENTS**
[54] **FORMES ET/OU ELEMENTS OPTIQUES DE CONTOUR GEOMETRIQUEMENT DEFINIS POUR DES LENTILLES OPHTALMIQUES ET PROCEDES DE CREATION DE TELS (TELLES) FORMES ET/OU ELEMENTS OPTIQUES DE CONTOU R GEOMETRIQUEMENT DEFINIS**
[72] BACK, ARTHUR, US
[72] ESFANDIARIJAHROMI, HASSAN, AU
[71] BRIEN HOLDEN VISION INSTITUTE LIMITED, AU
[85] 2022-12-22
[86] 2021-06-25 (PCT/IB2021/055686)
[87] (WO2021/260642)
[30] US (63/044,460) 2020-06-26
[30] IB (PCT/IB2020/057863) 2020-08-21
[30] US (63/092,199) 2020-10-15

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[13] A1
[51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/66 (2006.01) E06B 5/16 (2006.01) B32B 17/06 (2006.01) E06B 3/67 (2006.01)**
[25] EN
[54] **FIRE PROTECTION GLAZING COMPRISING A SECONDARY SEAL HAVING INTUMESCENT FIRE PROTECTION PROPERTY**
[54] **VITRAGE COUPE-FEU COMPRENANT UN JOINT PERIPHERIQUE PRESENTANT UNE PROPRIETE COUPE-FEU MOUSSANTE**
[72] REINHARDT, NIKITA, FR
[72] SCHWANKHAUS, NORBERT, DE
[72] KORUS, JEROME, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-12-22
[86] 2021-06-28 (PCT/EP2021/067611)
[87] (WO2021/260219)
[30] EP (20182652.6) 2020-06-26

[21] **3,188,154**
[13] A1
[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **FLUID RESERVOIR FOR A SPRAY GUN WITH A VENTILATION DEVICE**
[54] **RESERVOIR DE FLUIDE POUR PISTOLET DE PULVERISATION A DISPOSITIF DE VENTILATION**
[72] DETTLAFF, PETER, DE
[71] SATA GMBH & CO. KG, DE
[85] 2022-12-22
[86] 2021-07-29 (PCT/EP2021/071255)
[87] (WO2022/023468)
[30] DE (10 2020 120 228.8) 2020-07-31

[21] **3,188,155**
[13] A1
[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **FLUID RESERVOIR FOR A SPRAY GUN WITH A VENTILATION DEVICE**
[54] **RESERVOIR DE FLUIDE POUR PISTOLET DE PULVERISATION DOTE D'UN DISPOSITIF DE VENTILATION**
[72] DETTLAFF, PETER, DE
[71] SATA GMBH & CO. KG, DE
[85] 2022-12-22
[86] 2021-07-29 (PCT/EP2021/071252)
[87] (WO2022/023465)
[30] DE (10 2020 120 229.6) 2020-07-31

[21] **3,188,156**
[13] A1
[51] **Int.Cl. E06B 3/66 (2006.01) E06B 3/663 (2006.01) E06B 5/16 (2006.01) B32B 17/10 (2006.01) E06B 3/67 (2006.01)**
[25] EN
[54] **FIRE PROTECTION GLAZING COMPRISING A SECONDARY SEAL HAVING COOLING FIRE PROTECTION PROPERTY**
[54] **VITRAGE COUPE-FEU COMPRENANT UN JOINT PERIPHERIQUE A PROPRIETE IGNIFUGE AVEC EFFET REFROIDISSANT**
[72] REINHARDT, NIKITA, FR
[72] SCHWANKHAUS, NORBERT, DE
[72] KORUS, JEROME, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-12-22
[86] 2021-06-28 (PCT/EP2021/067613)
[87] (WO2021/260220)
[30] EP (20182656.7) 2020-06-26

[21] **3,188,158**
[13] A1
[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **FLUID RESERVOIR FOR A SPRAY GUN WITH A SCREW COVER**
[54] **RESERVOIR DE FLUIDE POUR PISTOLET DE PULVERISATION AVEC CAPUCHON A VIS**
[72] DETTLAFF, PETER, DE
[71] SATA GMBH & CO. KG, DE
[85] 2022-12-22
[86] 2021-07-29 (PCT/EP2021/071254)
[87] (WO2022/023467)
[30] DE (10 2020 120 226.1) 2020-07-31

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[13] A1
[51] **Int.Cl. E06B 3/66 (2006.01) E06B 3/663 (2006.01) E06B 5/16 (2006.01) B32B 17/10 (2006.01) E06B 3/67 (2006.01)**
[25] EN
[54] **FIRE PROTECTION GLAZING COMPRISING A SECONDARY SEAL HAVING INTUMESCENT AND COOLING FIRE PROTECTINO PROPERTY**
[54] **VITRAGE COUPE-FEU COMPRENANT UN JOINT PERIPHERIQUE A PROPRIETE IGNIFUGE AVEC EFFETS MOUSSANT ET REFROIDISSANT**
[72] REINHARDT, NIKITA, FR
[72] SCHWANKHAUS, NORBERT, DE
[72] KORUS, JEROME, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2022-12-22
[86] 2021-06-28 (PCT/EP2021/067618)
[87] (WO2021/260221)
[30] EP (20182655.9) 2020-06-26

[21] **3,188,161**
[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01)**
[25] EN
[54] **IMPROVED ADENO-ASSOCIATED VIRUS GENE THERAPY VECTORS**
[54] **VECTEURS AMELIORES DE THERAPIE GENIQUE PAR VIRUS ADENO-ASSOCIE**
[72] GALIBERT, LIONEL, CH
[72] AIRENNE, KARI, CH
[72] ERIKSSON, REETTA, CH
[72] HYVONEN, AMIRA, CH
[72] LESCH, HANNA, CH
[72] ALBERS, JUSTIN DARIUS, CH
[71] FERRING VENTURES SA, CH
[85] 2022-12-20
[86] 2021-06-25 (PCT/EP2021/067569)
[87] (WO2021/260204)
[30] US (63/043,837) 2020-06-25

[21] **3,188,164**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **PYRUVATE KINASE DEFICIENCY (PKD) GENE EDITING TREATMENT METHOD**
[54] **PROCEDE DE TRAITEMENT PAR EDITION DE GENES DE LA DEFICIENCE EN PYRUVATE KINASE (PKD)**
[72] SEGOVIA SANZ, JOSE CARLOS, ES
[72] QUINTANA BUSTAMANTE, OSCAR, ES
[72] FANANAS BAQUERO, SARA, ES
[72] PORTEUS, MATTHEW, US
[71] CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, ES
[71] CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS O.A., M.P. (CIEMAT), ES
[71] FUNDACION INSTITUTO DE INVESTIGACION SANITARIA FUNDACION JIMENEZ DIAZ (FIIS-FJD), ES
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-12-22
[86] 2021-06-28 (PCT/EP2021/067719)
[87] (WO2021/260227)
[30] EP (20382568.2) 2020-06-26

[21] **3,188,167**
[13] A1
[51] **Int.Cl. B61B 13/06 (2006.01) B60G 21/00 (2006.01) E01B 25/28 (2006.01) E01C 9/02 (2006.01)**
[25] EN
[54] **NARROW WIDTH PERSONAL TRANSPORTATION SYSTEM**
[54] **SYSTEME DE TRANSPORT PERSONNEL A LARGEUR ETROITE**
[72] NATIV, YECHIEL, IL
[71] NETIVONIM LTD., IL
[85] 2022-12-22
[86] 2021-06-17 (PCT/IL2021/050736)
[87] (WO2021/260680)
[30] IL (275587) 2020-06-22
[30] US (63/148,158) 2021-02-11

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[13] A1
[51] **Int.Cl. B60L 53/35 (2019.01) B60L 53/37 (2019.01)**
[25] EN
[54] **DEVICE FOR POSITIONING A CHARGER CONNECTOR**
[54] **DISPOSITIF DE POSITIONNEMENT D'UN CONNECTEUR DE CHARGEUR**
[72] VAN DER WEIJDE, JOHANNES OOSTEN, NL
[72] PARIS, GUUS NICO, NL
[72] BOUMAN, CRIJN, NL
[71] ROCSYS B.V., NL
[85] 2022-12-22
[86] 2021-06-30 (PCT/NL2021/050410)
[87] (WO2022/005281)
[30] NL (2025959) 2020-06-30

[21] **3,188,170**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **VACCINE COMBINATION AGAINST RESPIRATORY SYNCYTIAL VIRUS INFECTION**
[54] **ASSOCIATION DE VACCIN CONTRE UNE INFECTION PAR LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] CALLENDRET, BENOIT C. S., NL
[72] DE PAEPE, ELS, BE
[72] COMEAUX, CHRISTY ANN, NL
[72] ZAHN, ROLAND CHRISTIAN, NL
[72] HEIJNEN, ESTHER MATHILDE EUGENE WILHELMUS, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2022-12-22
[86] 2021-06-29 (PCT/EP2021/067776)
[87] (WO2022/002894)
[30] US (62/705,463) 2020-06-29
[30] EP (20187409.6) 2020-07-23

[21] **3,188,173**
[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) A61P 35/00 (2006.01) C07D 471/14 (2006.01) C07D 487/04 (2006.01) C07D 487/14 (2006.01)**
[25] EN
[54] **NOVEL COMPOUND, AND PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING RESISTANT CANCER, COMPRISING SAME**
[54] **NOUVEAU COMPOSE ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT POUR PREVENIR OU TRAITER UN CANCER RESISTANT**
[72] YUN, YEO JIN, KR
[72] KIM, HYEONG NAM, KR
[72] LEE, IN HYE, KR
[71] HOLOSMEDIC, KR
[85] 2022-12-22
[86] 2021-06-26 (PCT/KR2021/008051)
[87] (WO2021/261970)
[30] KR (10-2020-0078242) 2020-06-26

[21] **3,188,175**
[13] A1
[51] **Int.Cl. A23J 3/04 (2006.01) A23L 33/18 (2016.01) A23J 3/14 (2006.01) C07K 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR CLEAVING DISULFIDE BOND IN PROTEIN AND DEVICE FOR CLEAVING DISULFIDE BOND IN PROTEIN**
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[72] LANGER, THOMAS, DE
[72] SCHWAHN, UWE, DE
[72] DITTRICH, WERNER, DE
[72] RUDOLPH, CHRISTINE, DE
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[54] **SYSTEME DE VANNE DE RECUPERATION D'ENERGIE AYANT UNE VANNE A ECOULEMENT LATERAL POUR COMMANDER L'ECOULEMENT DE FLUIDE DANS UN CONDUIT**
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[71] POLITECNICO DI MILANO, IT
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[72] LE, THAO HO, AU
[72] LU, YANLING, AU
[72] WALSH, BRADLEY, AU
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[71] SUNNYBROOK RESEARCH INSTITUTE, CA
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[54] **ACQUISITION D'INFORMATIONS DE QUASI COLOCALISATION A L'AIDE D'INDICATEURS DE CONFIGURATION DE TRANSMISSION**
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[72] JIANG, CHUANGXIN, CN
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[72] LE BOT, PATRICK, FR
[72] GAERTNER, AXELLE, FR
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[54] **PROCEDE DESTINE A PRODUIRE UN MODULE THERMOELECTRIQUE, ET MODULE THERMOELECTRIQUE SERVANT DE BLOC D'AJUSTEMENT D'INTERFERENCES**
[72] SCHAFER-WELSEN, OLAF, DE
[72] VETTER, UWE, DE
[72] VERGEZ, MARC, DE
[72] DR. KONIG, JAN, DE
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[72] FRIGGSTAD, TERRANCE, CA
[71] J A REDEKOP HOLDING LTD., CA
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[72] DIORAZIO, LOUIS JOSEPH, GB
[72] JONES, MARTIN FRANCIS, GB
[72] FERRIS, LEIGH, GB
[72] JANBON, SOPHIE LAURE MARIE, GB
[72] SIEDLECKI, PAWEL STANISLAW, GB
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[72] PARKVALL, STEFAN, SE
[72] CHENG, JUNG-FU, SE
[72] NORY, RAVIKIRAN, SE
[72] LARSSON, DANIEL, SE
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[71] MARKHAM BIOTECH INC., CA
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[54] **SYSTEME D'IMPRESSION TRIDIMENSIONNELLE ET ENSEMBLE EQUIPEMENT**
[72] YOO, JAEDEOK, US
[72] BRADBURY, THOMAS J., US
[72] BEBB, THOMAS J., US
[72] ISKRA, JAMES, US
[72] SURPRENANT, HENRY L., US
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[71] BECTON, DICKINSON AND COMPANY LIMITED, IE
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[54] **PROCEDES DE DETERMINATION DE REPONSE DE LA LEUCEMIE MYELOIDE AIGUE A TRAITEMENT PAR INHIBITEURS DE LA FARNESYLTRANSFERASE**
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[71] AS AMERICA, INC., US
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[72] WIN, SU, NZ
[72] DAVIES, KERYN, NZ
[72] GILL, DAVID ANTHONY, NZ
[72] FALCONER, JAMES ROBERT, NZ
[72] CLEVERLY, DOUGLAS ROBERT, NZ
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[71] CHEMICAL & BIOPHARMACEUTICAL LABORATORIES OF PATRAS SA, GR
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[54] **DECISIONS DE CODEUR BASEES SUR UN ALGORITHME DE HACHAGE POUR UN CODAGE VIDEO**
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[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **SYSTEME DE CAPTEURS SANS TUYAU POUR UNITE DE FLUIDE FRIGORIGENE**
[72] PARKER, CHRISTIAN, US
[72] PLASSMEYER, TIMOTHY, US
[72] RUETHER, JAMES, US
[72] DUNN, JASON, US
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[72] KRICK, THIERRY, CA
[72] DUROCHER, JACQUES, CA
[72] OUCKAMA, RYAN, CA
[72] GENEREUX, MARIE-CLAUDE, CA
[72] COTE, DENIS, CA
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[54] **SYSTEMES ET PROCEDES DE MISE EN .UVRE DE TRANSMISSION PAR GUIDE D'ONDES A GRANDE VITESSE SUR DES FILS**
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[72] KERPEZ, KENNETH J., US
[72] HWANG, CHAN-SOO, US
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[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **BATTERIE RECHARGEABLE AU LITHIUM-ION ET SON PROCEDE DE PRODUCTION**
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[72] GUERFI, ABDELBAST, CA
[72] BARRAY, FRANCIS, CA
[72] NAKAGAWA, JUN, JP
[72] SAWAI, TAKEHIKO, JP
[72] SAITO, SHINJI, JP
[72] URAO, KAZUNORI, JP
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
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[54] **METHODS AND COMPOSITIONS RELATING TO ASSAYS OF FETAL EXTRAVILLOUS TROPHOBLAST CELLS**
[54] **PROCEDES ET COMPOSITIONS CONCERNANT DES DOSAGES DE CELLULES TROPHOBLASTIQUES EXTRA-VILLEUX D'ORIGINE FOETALE**
[72] ARMANT, RANDALL D., US
[72] DREWLO, SASCHA, US
[71] WAYNE STATE UNIVERISTY, US
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[54] **PROSTHETIC VALVE FOR REPLACING MITRAL VALVE**
[54] **VALVULE PROTHETIQUE POUR LE REMPLACEMENT D'UNE VALVULE MITRALE**
[72] CHAU, MARK, US
[72] PATTERSON, MARLOWE, US
[72] YI, SEUNG, US
[72] GEIST, STEVE, US
[72] OBA, TRAVIS, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **BAG ROLL CASSETTE AND METHOD OF USE**
[54] **ENSEMBLE ROULEAU DE SACS ET PROCEDE D'UTILISATION**
[72] MORAND, MICHEL, CA
[72] PINSONNAULT, MAURICE, CA
[71] ANGELCARE CANADA INC., CA
[71] INTERNATIONAL REFILLS COMPANY LTD., BB
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[54] **SYSTEMS AND APPARATUS FOR PRODUCTION OF HIGH-CARBON BIOGENIC REAGENTS**
[54] **SYSTEMES ET APPAREIL POUR LA PRODUCTION DE REACTIFS BIOGENIQUES A TENEUR ELEVEE EN CARBONE**
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[72] DESPEN, DANIEL J., US
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US
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[54] **MACHINE A FLUX**
[72] NEWMARK, NOAH G., US
[72] COLLINS, STEPHEN M., US
[72] HARWITH, MORGAN R., US
[71] CLEARWATER HOLDINGS, LTD, US
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[54] **INTRAVASCULAR PRESSURE AND FLOW DATA DIAGNOSTIC SYSTEMS, DEVICES, AND METHODS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE DIAGNOSTIC DE DONNEES DE PRESSION INTRAVASCULAIRE ET DE DEBIT**
[72] VESZELEI, EUGEN, SE
[72] LUNDGREN, FREDRIK, SE
[71] ST. JUDE MEDICAL SYSTEMS AB, SE
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[54] **SYSTEMS AND METHODS INCLUDING A ROTARY VALVE FOR AT LEAST ONE OF SAMPLE PREPARATION OR SAMPLE ANALYSIS**
[54] **SYSTEMES ET PROCEDES COMPORTANT UNE VANNE ROTATIVE POUR UNE PREPARATION D'ECHANTILLON OU UNE ANALYSE D'ECHANTILLON**
[72] BOHM, SEBASTIAN, US
[72] ARAVANIS, ALEX, US
[72] HSIAO, ALEXANDER, US
[72] JAVANMARDI, BEHNAM, US
[72] KHURANA, TARUN, US
[72] TRAN, HAI QUANG, US
[72] AGHABABAZADEH, MAJID, US
[72] BOWEN, M. SHANE, US
[72] BOYANOV, BOYAN, US
[72] BUERMANN, DALE, US
[71] ILLUMINA, INC, US
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[54] **IMPROVED PROCESS FOR THE COMMERCIAL PRODUCTION OF HIGH-QUALITY CATALYST MATERIALS**
[54] **PROCEDE AMELIORE DE PRODUCTION COMMERCIALE DE MATERIAUX CATALYSEURS DE HAUTE QUALITE**
[72] SCHUETZLE, ROBERT, US
[72] SCHUETZLE, DENNIS, US
[71] GREYROCK TECHNOLOGY, LLC, US
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[54] **SHARING LOCATION INFORMATION WITH A RECIPIENT**
[54] **PARTAGE D'INFORMATIONS D'EMPLACEMENT AVEC UN DESTINATAIRE**
[72] SHROFF, SUMEET PRADEEP, US
[72] TAKAHASHI, KENNY TAKANO, US
[72] HORNE, JEFFREY J., US
[72] HOFFMAN, THOMAS V., US
[72] DONOHUE, MICHAEL J., US
[72] SO, FERDINAND, US
[72] PULFREY, JULIAN, US
[72] KERR, MICHAEL, US
[72] AUGSBURGER, LARRY, US
[72] BROWN, TODD, US
[72] RUGGLES, SUSAN, US
[72] HENNESSY, SHANE, US
[72] BRELESKY, JOHN, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[54] **SYSTEME DE PANNEAU MURAL**
[72] BATTEN, ANDREW J., US
[72] BATTEN, DALE W., US
[71] BATTEN, ANDREW J., US
[71] BATTEN, DALE W., US
[22] 2020-09-17
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[54] **INTRAVASCULAR PRESSURE AND FLOW DATA DIAGNOSTIC SYSTEMS, DEVICES, AND METHODS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE DIAGNOSTIC DE DONNEES DE PRESSION INTRAVASCULAIRE ET DE DEBIT**
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[54] **OBJECT STORAGE, HANDLING, AND RETRIEVING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE STOCKAGE, DE MANUTENTION ET DE RECUPERATION D'OBJETS**
[72] INGRAM-TEDD, ANDREW JOHN, GB
[72] LINDBO, LARS SVERKER TURE, GB
[72] KAROLINCZAK, PAWEL, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **BIDIRECTIONAL BIOMECHANICAL PROSTHETIC FULL FINGER CONFIGURED FOR ABDUCTION AND ADDUCTION WITH MCP PIVOT**
[54] **DOIGT ENTIER PROTHETIQUE BIOMECANIQUE BIDIRECTIONNEL CONFIGURE POUR UNE ABDUCTION ET UNE ADDUCTION AVEC PIVOT MCP**
[72] THOMPSON, ROBERT, JR., US
[72] BENGTSSON, JON, US
[72] PETO, ANTHONY CHARLES, US
[72] MINNIS, SYDNEY TYE, US
[72] KLUMPER, ERIC DENNIS, US
[72] CRITTENDEN, BRADLEY ARTHUR, US
[71] RCM ENTERPRISE, LLC, US
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[54] **SYSTEMS AND METHODS FOR SECURE STORAGE AND RETRIEVAL OF TRADE DATA**
[54] **SYSTEMES ET PROCEDES POUR SECURISER LE STOCKAGE ET L`EXTRACTION DE DONNEES COMMERCIALES**
[72] DING, JIAN, CA
[71] BANK OF MONTREAL, CA
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[54] **COMPOSITIONS AND METHODS FOR INHIBITION OF HAO1 (HYDROXYACID OXIDASE 1 (GLYCOLATE OXIDASE)) GENE EXPRESSION**
[54] **COMPOSITIONS ET METHODES D'INHIBITION DE L'EXPRESSION GENIQUE D'HAO1 (HYDROXYACIDE OXYDASE 1 (GLYCOLATE OXYDASE))**
[72] QUERBES, WILLIAM, US
[72] FITZGERALD, KEVIN, US
[72] BETTENCOURT, BRIAN, US
[72] LIEBOW, ABIGAIL, US
[72] ERBE, DAVID V., US
[71] ALNYLAM PHARMACEUTICALS, INC., US
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[54] **SOFT TISSUE BALANCING IN ARTICULAR SURGERY**
[54] **EQUILIBRAGE DES TISSUS MOUS EN CHIRURGIE ARTICULAIRE**
[72] COUTURE, PIERRE, CA
[72] RICHARD, ALAIN, CA
[72] BOISVERT, OLIVIER, CA
[72] GOGARTY, EMILY, CA
[72] AMIOT, LOUIS-PHILIPPE, CA
[72] PARRATTE, SEBASTIEN, FR
[72] LI, DI, CA
[72] MAY, BRIAN M., US
[71] ZIMMER, INC., US
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[54] **EARLY ADMINISTRATION OF LOW-DOSE COLCHICINE AFTER MYOCARDIAL INFARCTION**
[54] **ADMINISTRATION RAPIDE D`UNE FAIBLE DOSE DE COLCHICINE APRES UN INFARCTUS DU MYOCARDE**
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[71] INSTITUT DE CARDIOLOGIE DE MONTREAL, CA
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[54] **ELONGATE STEERABLE DEVICES FOR INSERTION INTO A SUBJECT'S BODY**
[54] **DISPOSITIFS ORIENTABLES ALLONGES A INTRODUIRE DANS LE CORPS D'UN SUJET**
[72] TUTUNGI, ELLI, AU
[72] PAYNE, BRODY C., AU
[72] ALMEIDA, AUBREY, AU
[72] ROGERS, GEOFFREY WILLIAM, AU
[71] INTELLIMEDICAL TECHNOLOGIES PTY LTD, AU
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[54] **SYNTHESE ENZYMATIQUE A GRANDE ECHELLE D'OLIGOSACCHARIDES**
[72] WONG, CHI-HUEY, US
[72] WU, CHUNG-YI, TW
[72] TSAI, TSUNG-I, TW
[71] ACADEMIA SINICA, TW
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[54] **SINGLE- AND MULTI-MODALITY ALIGNMENT OF MEDICAL IMAGES IN THE PRESENCE OF NON-RIGID DEFORMATIONS USING PHASE CORRELATION**
[54] **ALIGNEMENT SELON UNE MODALITE OU SELON PLUSIEURS MODALITES D'IMAGES MEDICALES EN PRESENCE DE DEFORMATIONS NON RIGIDES PAR CORRELATION DE PHASE**
[72] GERGANOV, GEORGI, US
[72] KAWRAKOW, IWAN, US
[71] VIEWRAY TECHNOLOGIES, INC., US
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[54] **LAMPE A TUBE A DEL**
[72] JIANG, TAO, CN
[71] JIAXING SUPER LIGHTING ELECTRIC APPLIANCE CO., LTD, CN
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[54] **VALVE CARDIAQUE PROTHETIQUE**
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[72] SPRINKLE, JOSHUA A., US
[71] W. L. GORE & ASSOCIATES, INC., US
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[51] **Int.Cl. A61B 5/145 (2006.01) A61M 5/142 (2006.01)**
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[54] **DEVICE AND METHOD FOR FOOD MANAGEMENT**
[54] **DISPOSITIF ET PROCEDE DE GESTION DES ALIMENTS**
[72] KAMEN, DEAN, US
[71] DEKA PRODUCTS LIMITED PARNERSHIP, US
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[62] 3,079,714
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[54] **INVASIVE MEDICAL DEVICES INCLUDING MAGNETIC REGION AND SYSTEMS AND METHODS**
[54] **DISPOSITIFS MEDICAUX INVASIFS COMPRENANT UNE REGION MAGNETIQUE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] ISAACSON, S. RAY, US
[72] SHEVGOOR, SIDDARTH, US
[72] BURKHOLZ, JONATHAN KARL, US
[72] SANDERS, LAURIE, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **MECANISME DE SUPPORT DE GRUE**
[72] FURLONG, GEOFF, CA
[71] PRIDE BODIES LTD., CA
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[25] EN
[54] **SYSTEMS AND METHODS FOR MAPPING MOTION-RELATED PARAMETERS OF REMOTE MOVING OBJECTS**
[54] **SYSTEMES ET PROCEDES DE MAPPAGE DE PARAMETRES RELATIFS AU MOUVEMENT D'OBJETS MOBILES A DISTANCE**
[72] STANNERS, ROBERT, CA
[72] STANNERS, ALEXANDER, CA
[71] VRX VENTURES LTD., CA
[22] 2020-08-28
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[62] 3,139,568
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[54] **TABLE GAME SYSTEM**
[54] **SYSTEME DE JEU DE TABLE**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[22] 2014-12-12
[41] 2016-06-16
[62] 3,092,471

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[54] **BIOFILM PREVENTION, DISRUPTION AND TREATMENT WITH BACTERIOPHAGE LYSIN**
[54] **PREVENTION, DEGRADATION ET TRAITEMENT DE BIOFILMS PAR LA LYSINE DE BACTERIOPHAGE**
[72] SCHUCH, RAYMOND, US
[72] NOWINSKI, ROBERT C., US
[72] WITTEKIND, MICHAEL, US
[72] KHAN, BABAR, US
[72] ROTOLO, JIMMY, US
[71] CONTRAFECT CORPORATION, US
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[25] EN
[54] **CALCIUM NITRATE FOR REDUCING THE PORE SIZE DISTRIBUTION OF A HARDENED CEMENTITIOUS COMPOSITION AND STEEL REINFORCED CONCRETE HAVING AN ELEVATED RESISTANCE TOWARDS CARBONATION**
[54] **NITRATE DE CALCIUM POUR REDUIRE LA GRANULOMETRIE D'UNE COMPOSITION CIMENTAIRE DURCIE ET BETON ARME PRESENTANT UNE RESISTANCE ACCRUE A LA CARBONATATION**
[72] FRANKE, WOLFRAM, NO
[72] CILLUFFO, GIUSEPPE, IT
[72] TORABZADEGAN, MEHRDAD, NO
[71] YARA INTERNATIONAL ASA, NO
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[62] 3,000,052
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[54] **PROCESS CARTRIDGE AND IMAGE FORMING APPARATUS**
[54] **CARTOUCHE DE TRAITEMENT ET DISPOSITIF DE FORMATION D'IMAGE**
[72] MAESHIMA, HIDEKI, JP
[72] HIRUKAWA, KUNIAKI, JP
[72] GOFUKU, SHUICHI, JP
[72] MITSUI, YOSHIHIRO, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2013-12-13
[41] 2014-06-19
[62] 2,894,397
[30] JP (2012-273204) 2012-12-14

[21] **3,187,269**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING ASR IN THE PRESENCE OF HETEROGRAPHS**
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[72] AGARWAL, AKSHAT, IN
[72] BARVE, RAKESH, IN
[71] ROVI GUIDES, INC., US
[22] 2015-07-29
[41] 2016-02-04
[62] 2,954,197
[30] US (14/448,308) 2014-07-31

[21] **3,187,279**
[13] A1
[25] EN
[54] **TREATMENT OF METABOLIC DISORDERS IN EQUINE ANIMALS**
[54] **TRAITEMENT DE TROUBLES METABOLIQUES CHEZ LES EQUIDES**
[72] REICHE, DANIA BIRTE, DE
[72] MOHREN, NICOLE, DE
[72] JOHNSTON, LAURA, DE
[72] SOMMERVILLE, BRUCE, US
[72] VOTH, REBECCA K., US
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[22] 2015-03-30
[41] 2015-10-08
[62] 2,943,704
[30] EP (14162983.2) 2014-04-01
[30] EP (14176714.5) 2014-07-11
[30] EP (14187223.4) 2014-10-01

[21] **3,187,280**
[13] A1
[51] **Int.Cl. F21K 9/61 (2016.01) F21S 8/08 (2006.01) F21V 17/10 (2006.01)**
[25] EN
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[72] SIFKER, LUKE J., US
[72] MILLER, ADAM, US
[72] CARPENTER, JEFF C., US
[71] ABL IP HOLDING LLC, US
[22] 2020-07-22
[41] 2022-01-22
[62] 3,087,657

[21] **3,187,394**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01) A24F 40/53 (2020.01)**
[25] EN
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[72] KIM, TAE HUN, KR
[72] HAN, JUNG HO, KR
[72] PARK, SANG KYU, KR
[71] KT&G CORPORATION, KR
[22] 2018-10-29
[41] 2019-05-09
[62] 3,076,886
[30] KR (10-2017-0142578) 2017-10-30
[30] KR (10-2018-0055652) 2018-05-15

[21] **3,187,656**
[13] A1
[51] **Int.Cl. F28F 27/00 (2006.01)**
[25] EN
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[72] HUM, REDMOND, CA
[72] ACOSTA GONZALEZ, MARCELO JAVIER, CA
[72] PATEL, RITESH, CA
[71] S. A. ARMSTRONG LIMITED, CA
[22] 2019-10-04
[41] 2020-02-13
[62] 3,110,342
[30] US (62/741,943) 2018-10-05
[30] CA (PCT/CA2018/051555) 2018-12-05
[30] US (62/781,456) 2018-12-18

[21] **3,187,687**
[13] A1
[25] EN
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[72] GERNGROSS, TILLMAN U., US
[72] WITTRUP, K. DANE, US
[71] ADIMAB, LLC, US
[22] 2008-09-12
[41] 2009-03-19
[62] 2,964,398
[30] US (60/993,785) 2007-09-14

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NIJJAR, TARLOCHAN S. 3,178,760
NIKI REINER GLEIM 3,187,623
NIKKARI, SEPPO 3,187,786
NILSSON, ALICE 3,188,141
NILSSON, ANDERS 3,179,093
NILSSON, JOEL 3,188,141
NING, HAO 3,187,787
NISHIKAWA, KENZO 3,178,888
NIU, LI 3,188,195
NIXON, LINDA S. 3,187,357
NO THRU IP PTY LTD 3,179,485
NOAK, MICHAEL 3,188,134
NOH, YOUNG SU 3,178,927
NOKIA TECHNOLOGIES OY 3,179,469
NOKUO, TAICHI 3,178,888
NORMET OY 3,179,129
NORONHA, GLENN 3,178,762
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,187,959
NOTTINGHAM TRENT UNIVERSITY 3,187,765
NOVA CHEMICALS CORPORATION 3,187,970
NOVACK, DAVID 3,187,609
NOVARTIS AG 3,179,597
NOVOCURE GMBH 3,187,793
NYBO, KRISTIAN 3,187,445
NYCO 3,179,169
NYSNOBIO GT, LLC 3,179,402
NYULI, COLIN ALEXANDER 3,187,965
O'KEEFE, BARRY R. 3,179,307
O'NEIL, TIMOTHY W. 3,179,190
O'SHEA, CLODAGH 3,188,127
ODUMOSU, OLUDARE 3,179,442
OGURO, YUYA 3,178,798
OH, BYONG MOK 3,178,677
OH, BYONG MOK 3,187,818
OH, PHAIK, LYN 3,188,138
OH, PHAIK, LYN 3,188,142
OH, PHAIK, LYN 3,188,146
OHFUSA, TOSHIYUKI 3,187,835
OHNO, MASATOSHI 3,178,755
OHTAKA, NOBUAKI 3,179,271
OKAMOTO, ITARU 3,187,977
OKUMURA, AKIHISA 3,178,799
OKUMURA, YASUAKI 3,187,826
OKUMURA, YASUAKI 3,187,861
OKUMURA, YASUAKI 3,188,175
OLIVO-MARIN, JEAN-CHRISTOPHE 3,179,368
OLSSON, JOEL 3,179,096
OLSSON, JOEL 3,179,279
OMACHRON INTELLECTUAL PROPERTY INC. 3,178,753
OMORI, YU 3,187,797
ONCOGENUITY, INC. 3,179,064
ONNEKINK, JOHAN 3,178,745
OOSTERWIJK, JOLIEKE GERDY VAN 3,187,766
OPATZ, AARON E. 3,179,476
OPTERUS RESEARCH AND DEVELOPMENT, INC. 3,179,252
OPTOS PLC 3,178,829
OR, YAT SUN 3,173,702
ORDONEZ, MARTHA 3,187,359
OREN-ARTZI, PAMELA SHARON 3,179,459
OREXO AB 3,178,769
ORGANOS, INC. 3,178,998
ORTON, DARREN 3,179,303
ORTON, DARREN 3,179,305
OSATO, KEN 3,178,749
OSATO, KEN 3,178,755
OSTERGAARD, COLLIN 3,179,074
OTANI, AKIHITO 3,179,519
OTERO MARTINEZ, IRAN 3,187,768
OTHAIR PROTHENA LIMITED 3,178,760
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,187,454
OU, ZHENGYAN 3,179,284
OURA HEALTH OY 3,187,942
OURA HEALTH OY 3,187,943
OVIEDO GUALDRON, JOSE MAURICO 3,187,410
OVIEDO GUALDRON, JOSE MAURICO 3,187,413
OXFORD BIODYNAMICS PLC 3,178,914
OYAMA, MASATAKA 3,178,977
OZOL, SECKIN 3,178,746
PAAUWE, ARIE MAARTEN 3,178,745
PAEZ-ESPINO, DAVID 3,178,670
PALAKODETY, AKSHARA 3,188,139
PALAZZI, KENDALL NORMAN 3,179,055
PALMER, KENNETH E. 3,179,307
PAMPATTIWAR, SANKALP 3,187,437
PAMPATTIWAR, SANKALP 3,187,438
PANARESE, JOSEPH D. 3,173,702
PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. 3,187,826
PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. 3,187,861
PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. 3,188,175
PANDA-SEAL INTERNATIONAL LTD 3,178,783
PANIKKAR, ARCHANA 3,178,806
PANNECOUCKE, JO 3,187,769
PAPAKYRILLOU, STEFANOS 3,179,114
PAPAKYRILLOU, STEFANOS 3,179,285
PARAVIR LIMITED 3,178,816
PARIS, GUUS NICO 3,188,169
PARITY QUANTUM COMPUTING GMBH 3,188,032
PARK, EUGENE 3,187,795
PARK, HAN-OH 3,179,016
PARK, HONGKUN 3,187,430
PARK, SANG HYEN 3,179,251
PARTLO, WILLIAM 3,188,127
PATCHETT, ANDREW 3,178,816
PATCHETT, KIM 3,178,816
PATEL, JAIKRISHNA 3,187,827
PATEL, NAYAN 3,179,278
PATEL, SHIVANGI AKASH 3,187,599
PATEL, SHYAMAL 3,187,804
PATEL, VINIT 3,179,061
PATEL, VIRAL 3,178,766
PATHIOS THERAPEUTICS LIMITED 3,178,966
PATHIOS THERAPEUTICS LIMITED 3,178,992
PATJE, ALEXANDER 3,178,745
PATRI, ABHISHEK 3,187,427
PAVMED INC. 3,187,877
PAWLOWSKI, NIKOLAUS 3,188,138
PAWLOWSKI, NIKOLAUS 3,188,142
PAWLOWSKI, NIKOLAUS 3,188,146
PAZ, PEDRO 3,188,138
PAZ, PEDRO 3,188,142
PAZ, PEDRO 3,188,146
PEAREN, CHRISTOPHER 3,179,452
PEARSON, JAMES PHILIP 3,187,424
PELLEGRINI, ENRICO 3,178,829
PENG, XIAOWEN 3,173,702
PERETTI, KENNETH PAUL 3,179,083
PEREZ HEDO, MERITXEL 3,178,669
PEREZ-BOLIVAR, CESAR 3,187,437
PERI SE 3,187,808
PEROU, CHARLES 3,188,105
PERRI, ALEX 3,178,913
PERRY, KENNETH EUGENE 3,187,425
PERRY, THAO D. 3,187,821
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PETERS, STEVEN 3,187,628
PETERS, STEVEN 3,187,632
PETERSEN, MICHAEL 3,187,596
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PETERSON, NATASHA 3,186,995
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PFISTERER, HARALD 3,178,912
PFIZER INC. 3,187,773
PFIZER INC. 3,187,804
PFIZER INC. 3,187,966
PHAM, HAU NGUYEN-PHUC 3,187,352
PHILIP MORRIS PRODUCTS S.A. 3,179,114
PHILIP MORRIS PRODUCTS S.A. 3,179,285
PHILLIPS, ANDREW WILLIAM 3,187,566
PHIPPS, DANUTA SASTRE 3,178,670
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PICINICH, MATTEO D. 3,187,831
PIERCE, WILLIAM DREW 3,178,800
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PIKE THERAPEUTICS, INC. 3,187,588
PIROTTE, ALAN 3,188,117
PISARENKO, IRINA, ALEXEEVNA 3,187,814
PISCOPO, GUIDO 3,188,145
PITTET, HERVE 3,187,940
PITTMAN, JAMES 3,178,828
PLACE, DANIEL WILLIAM 3,178,797
PLAIN, SIMON 3,187,770
PLAKOGIANNIS, FOTIOS M. 3,187,582
PLAKOGIANNIS, FOTIOS M. 3,187,588
PLUGIS, NICHOLAS MCCARTNEY 3,179,420
PLUGIS, NICHOLAS MCCARTNEY 3,179,444
PMSVVSV, PRASAD 3,179,153
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POGLITSCH, MARKO 3,179,389
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POMERLEAU, DANIEL GUY 3,178,901
POOST, ADAM M. 3,187,959
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POTTER, RACHAEL 3,187,353
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POURTAHERI, PAYAM 3,178,920
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POWELL, GARRETT 3,179,502
PRANA THORACIC, INC. 3,187,673
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,187,430
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,187,432
PRESLEY, GEOFFREY WARD 3,179,439
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PREVOST, ROMAIN 3,178,803
PRIBLE, MICHAEL C. 3,179,443
PRICE, TREVOR 3,187,563
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PRO-ROD INC. 3,178,913
PROAMPAC HOLDINGS INC. 3,179,436
PROSLIDE TECHNOLOGY INC. 3,187,586
PROTONIFY CORPORATION 3,179,204
PRUDHOMME, PIERRE-BENOIT 3,178,722
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PSIQUANTUM, CORP. 3,187,949
PTITSYN, ANDREY 3,179,113
PURAC BIOCHEM B.V. 3,188,037
PURDUE RESEARCH FOUNDATION 3,188,108
PURETI, RATHAIAH 3,178,898
PURNHAGEN, HEIKO 3,187,770
PYROPHASE, INC. 3,179,439
QI, NA 3,178,746
QIAN, CHEN 3,188,143
QIAN, LIHUI 3,179,395
QIAN, SHUIMING 3,178,741
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QUANTMEYER, CHRISTIAN 3,179,496
QUEEN'S UNIVERSITY AT KINGSTON 3,178,796
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QUELL THERAPEUTICS LIMITED 3,179,441
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RAI, HARPREET 3,187,943
RAITHEL, GEORG 3,178,752
RAMADASS, AROUL SELVAM 3,178,914
RAMAKRISHNAN, BOOPATHY 3,187,823
RAMBLA NEBOT, JOSE LUIS 3,178,669
RAMINHOS, HENRIQUE 3,187,810
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RAUCH, BENJAMIN JULIUS 3,178,670
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REINHARDT, NIKITA 3,188,156
REINHARDT, NIKITA 3,188,159
REMAUD-SIMEON, MAGALI 3,187,936
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REN, SHUNLIN 3,187,341
REN, SHUNLIN 3,187,346
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REVALVE SOLUTIONS INC. 3,187,425
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REY, STEPHANE 3,179,292
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RHODES, MATTHEW C. 3,173,702
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RICH, DAN 3,186,326
RICHARDI, MARK STEVEN 3,186,995
RICHARDS, PAUL 3,178,994
RICHER, LUCIANA MEIRELLES 3,187,766
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RIGAMONTI, NICOLO 3,178,478
RIGAMONTI, NICOLO 3,178,785
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RILEY, TIMOTHY P. 3,187,576
RINDA, JEFFREY EUGENE 3,187,831
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ROGERS, SHAWN 3,179,481
ROHAN, LISA CENCIA 3,179,307
ROHM AND HAAS COMPANY 3,178,671
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ROIDER, HELGE 3,188,142
ROIDER, HELGE 3,188,146
ROLLA, ALBERTO 3,187,813
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ROMERO, CAMBRE ALLEN 3,178,805
ROMERO, CLAYTON ALLEN 3,178,805
ROMERO, JHONATHAN 3,179,207
RONN, ROBERT 3,178,769
RONNEKE, HANS BERTIL 3,179,413

RONZITTI, GIUSEPPE 3,187,635
ROSE, JASON M. 3,179,204
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ROSENWALD, LINDSAY 3,179,064
ROSEY, EVERETT LEE 3,187,433
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ROSS, ARTHUR J. 3,179,064
ROSSI, ROBERTO 3,178,627
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ROUSSEL, NICOLAS 3,179,098
ROUSSEL, NICOLAS 3,179,100
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ROUX, ALAIN 3,178,976
ROUX, ALAIN 3,178,991
ROUXEL, FRANCOIS-XAVIER 3,188,147
ROYBAL, ASHLEY 3,179,092
ROZEBOOM, FRANS WIEBE 3,178,745
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RUDOLPH, CHRISTINE 3,188,178
RUDOLPH, SEBASTIAN 3,179,496
RUGGERONE, RICCARDO 3,187,940
RUSSO, ANTHONY P. 3,179,265
RUSSO, ANTHONY P. 3,179,266
RUTELLA, SERGIO 3,187,765
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RUZZA, ANDREA 3,179,316
RYAN, JAMES COLBEY 3,180,630
RYDBERG TECHNOLOGIES INC. 3,178,752
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SACKSTEIN, ROBERT 3,178,941
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SAFRAN AEROSYSTEMS 3,179,262
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SAINT-GOBAIN GLASS FRANCE 3,179,029
SAINT-GOBAIN GLASS FRANCE 3,188,152
SAINT-GOBAIN GLASS FRANCE 3,188,156
SAINT-GOBAIN GLASS FRANCE 3,188,159
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SALK INSTITUTE FOR BIOLOGICAL STUDIES 3,188,127
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SANDRASAGRA, ANTHONY 3,179,133
SANDS, JULIE LOGAN 3,187,425
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SANKAR, MANIKANDAN 3,178,677
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SANTIAGO-ORTIZ, JORGE 3,187,427
SANTROCK, ROBERT 3,178,704
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SASAKI, TERUHIKO 3,179,296
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SASSAMAN, STEVEN 3,187,830
SATA GMBH & CO. KG 3,188,154
SATA GMBH & CO. KG 3,188,155
SATA GMBH & CO. KG 3,188,158
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SAVIOZ, GREGORY 3,179,089
SAVMARKER, JONAS 3,178,769
SAYAG, JEAN-PHILIPPE 3,179,357
SCANLAN, SEAN 3,178,704
SCHAAL, JUSTIN B. 3,187,332
SCHACHTER, ASHER 3,187,823
SCHAEFER, GABRIELE MARIA 3,188,134
SCHAFER-WELSEN, OLAF 3,188,211
SCHATZ, WALDEMAR 3,187,768
SCHEHL, BEATUS 3,187,805
SCHEPISI, ROSEMARIE J. 3,179,433
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SCHLUMBERGER CANADA LIMITED 3,187,352
SCHMIDT, FRANZ 3,187,781
SCHMIDT, HARALD HORST HEINZ WILHELM 3,179,126
SCHMIDT, WOLFGANG 3,179,059
SCHNEIDER, KIERAN 3,179,474
SCHNELL JR., THOMAS J. 3,178,930
SCHOOF, MICHAEL 3,178,801
SCHRECKENBERG, MARCUS 3,187,782
SCHUCH, RAYMOND 3,178,761
SCHUG, MICHAEL 3,187,770
SCHUKAI, ROBERT 3,179,201
SCHULHOF, ADAM BENJAMIN 3,179,459
SCHUTSKY, EMILY 3,179,564
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SCHWANKHAUS, NORBERT 3,188,152
SCHWANKHAUS, NORBERT 3,188,156
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SCOTT, STUART K. 3,179,198
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SEATTLE FOOD GEEK APPLIED SCIENCES, LLC 3,188,136
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SEFF TECHNOLOGY CORPORATION 3,188,009
SEGOVIA SANZ, JOSE CARLOS 3,188,164
SEGUY, FRANCIS 3,187,767
SEIDL, ANDREAS 3,188,041
SEKHAR, SITANSU 3,179,314
SEKIYA, HIROSHI 3,178,923
SEKIYA, HIROSHI 3,178,931
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SELLIER, JEAN-MICHEL 3,180,580
SELSTED, MICHAEL E. 3,187,332
SEMCO SMARTECH FRANCE 3,188,180
SENNHENN, PETER 3,178,915
SENOGEN GMBH 3,187,572
SENSORY CLOUD, INC. 3,187,832
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SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION 3,179,090
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SEVOSTIYANOVA, ANASTASIA 3,179,280
SHA, XIUBIN 3,188,195
SHAFER, RONALD 3,179,291
SHAFER, TERRY 3,187,413
SHAH, PREMAL 3,187,830
SHAH, PREMAL 3,188,139
SHAH, SALIK 3,187,963
SHAKEEL, AMEER HAMZA 3,178,920
SHALGI, NETTA DOR 3,187,441
SHALTIS, PHILIP 3,179,061
SHAMPINE, ROD 3,187,352
SHANGHAI LITEDD CO., LTD. 3,178,650
SHANLEY, CONOR EDWARD 3,187,589
SHAO, ZHONGQI 3,179,412
SHAPIRO, HOWARD-YANA 3,187,595
SHAW INDUSTRIES GROUP, INC. 3,178,800
SHAW, NIGEL A. 3,188,005
SHAW, TIMOTHY LEE 3,179,083
SHELDON-COULSON, GARTH ALEXANDER 3,178,797
SHEN, CHUNLIN 3,179,412
SHEN, RUICHAO 3,173,702
SHEN, YONG 3,187,787
SHEPPARD, DAVID WILLIAM 3,179,059
SHERING, CRAIG 3,187,785
SHERMAN + REILLY, INC. 3,179,568
SHI, YAN 3,178,951
SHIBATA, HIDEKI 3,178,799
SHIELDS, AUSTIN J. 3,187,420
SHIH, HARRISON 3,188,109
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SHIMIZU, TAKASHI 3,179,464
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SHOKOUFI, MAJID 3,188,011

SHRIVASTAVA, RISHABH KUMAR 3,187,818
SHRIVER, ZACHARY 3,187,823
SHROFF, JAIDEV RAJNIKANT 3,187,585
SHROFF, VIKRAM RAJNIKANT 3,187,585
SIBTAIN, FAZLE 3,187,970
SICHUAN AEROSPACE CHANGZHENG EQUIPMENG MANUFACTURING CO., LTD. 3,187,776
SICHUAN AEROSPACE CHANGZHENG EQUIPMENG MANUFACTURING CO., LTD. 3,187,787
SICHUAN UNIVERSITY 3,186,299
SICHUAN UNIVERSITY 3,186,323
SICPA HOLDING SA 3,187,940
SIDLE, STEPHEN ERIC 3,178,739
SIDWELL, GRANT 3,178,802
SIEGEL, ANGELA 3,178,996
SIEGEL, DUSTIN S. 3,187,821
SIEMENS AKTIENGESELLSCHAFT 3,178,436
SIEMENS AKTIENGESELLSCHAFT 3,178,809
SIEMENS INDUSTRY, INC. 3,179,421
SIFI S.P.A. 3,179,351
SIKA TECHNOLOGY AG 3,178,912
SILVERBERG, JESSE 3,187,809
SIMCERE PHARMACEUTICAL CO., LTD. 3,178,707
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SINGH, MANEESH KUMAR 3,179,063
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