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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
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[51] - International Classification
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[54] - Title of Invention
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[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
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[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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℠, ou par Xpresspost℠ 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.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of February 20, 2024 contains applications open to public inspection from February 4, 2024 to February 10, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 20 février 2024 contient les demandes disponibles au public pour consultation pour la période du 4 février 2024 au 10 février 2024.

Canadian Patents Issued

February 20, 2024

Brevets canadiens délivrés

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[22] 2015-12-08
[30] US (14/955,790) 2015-12-01

[11] **2,916,072**
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[51] **Int.Cl. B41J 29/38 (2006.01) B41J 3/00 (2006.01) B41M 3/14 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PRODUCT COMPILATION**
[54] **PROCEDE DE PRODUCTION D'UNE COMPILATION DE PRODUITS**
[72] GROTH, UWE, CH
[73] FERAG AG, CH
[86] (2916072)
[87] (2916072)
[22] 2015-12-21
[30] CH (02018/14) 2014-12-23

[11] **2,916,259**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/06 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA**
[54] **PROCEDES DE TRAITEMENT D'UNE HYPERCHOLESTEROLEMIE FAMILIALE HOMOZYGOTE**
[72] WASSERMAN, SCOTT, US
[72] SCOTT, ROBERT ANDREW DONALD, US
[72] STEIN, EVAN A., US
[73] AMGEN INC., US
[85] 2015-12-18
[86] 2013-06-28 (PCT/US2013/048714)
[87] (WO2014/209384)

[11] **2,918,058**
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[51] **Int.Cl. C07D 207/412 (2006.01) C10L 1/14 (2006.01) C10L 1/22 (2006.01) C10L 10/06 (2006.01) C10L 10/18 (2006.01) C10M 133/02 (2006.01)**
[25] EN
[54] **QUATERNARY AMMONIUM COMPOUNDS AS FUEL OR LUBRICANT ADDITIVES**
[54] **COMPOSES D'AMMONIUM QUATERNAIRE EN TANT QU'ADDITIFS DE CARBURANTS OU DE LUBRIFIANTS**
[72] REID, JACQUELINE, GB
[72] COOK, STEPHEN LEONARD, GB
[73] INNOSPEC LIMITED, GB
[85] 2016-01-11
[86] 2014-07-28 (PCT/GB2014/052311)
[87] (WO2015/011506)
[30] GB (1313423.4) 2013-07-26

[11] **2,918,607**
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[51] **Int.Cl. A61M 39/10 (2006.01) A61F 5/44 (2006.01) A61F 5/448 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **SELF-CLOSING BAG CONNECTOR**
[54] **RACCORD DE POCHE A FERMETURE AUTOMATIQUE**
[72] JIN, YUN, US
[72] WEIG, BRET ALEXANDER, US
[72] CLINE, JOHN, US
[72] TSAI, MINGLIANG LAWRENCE, US
[73] CONVATEC TECHNOLOGIES INC., US
[85] 2016-01-18
[86] 2014-07-31 (PCT/US2014/049115)
[87] (WO2015/017646)
[30] US (61/861,357) 2013-08-01
[30] US (61/929,923) 2014-01-21

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[13] C
[51] **Int.Cl. H02J 1/12 (2006.01) H02H 7/26 (2006.01)**
[25] EN
[54] **DIRECT CURRENT POWER SYSTEM**
[54] **DISPOSITIF D'ALIMENTATION EN COURANT CONTINU**
[72] TENCA, PIERLUIGI, US
[72] SIHLER, CHRISTOF MARTIN, US
[73] GE ENERGY POWER CONVERSION TECHNOLOGY LIMITED, GB
[86] (2918912)
[87] (2918912)
[22] 2016-01-21
[30] US (14/609,991) 2015-01-30

[11] **2,920,139**
[13] C
[51] **Int.Cl. H04W 28/20 (2009.01) H04W 74/04 (2009.01) H04W 80/04 (2009.01) H04N 21/2343 (2011.01) H04N 19/177 (2014.01) H04N 19/40 (2014.01)**
[25] EN
[54] **WIRELESS TRANSMISSION OF REAL-TIME MEDIA**
[54] **TRANSMISSION SANS FIL DE CONTENU MULTIMEDIA EN TEMPS REEL**
[72] SMADI, MOHAMMED NAWAF, CA
[72] BADAWY, GHADA, CA
[73] BLACKBERRY LIMITED, CA
[85] 2016-02-02
[86] 2014-06-26 (PCT/CA2014/050613)
[87] (WO2015/013811)
[30] US (13/957,730) 2013-08-02

[11] **2,924,502**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 16/14 (2009.01) H04L 27/00 (2006.01)**
[25] EN
[54] **RADIO CHANNEL UTILIZATION**
[54] **UTILISATION DE CANAL RADIO**
[72] HASSAN, AMER A., US
[72] MITCHELL, PAUL W.A., US
[72] GARNETT, PAUL W., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-03-15
[86] 2014-10-01 (PCT/US2014/058507)
[87] (WO2015/053994)
[30] US (14/049,129) 2013-10-08

[11] **2,927,169**
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[51] **Int.Cl. G06Q 10/087 (2023.01)**
[25] EN
[54] **OVERSTOCK INVENTORY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'INVENTAIRE DE STOCK EXCEDENTAIRE**
[72] JONES, NICHOLAUS ADAM, US
[72] FLETTER, MARC ASHLEY, US
[72] JONES, MATTHEW ALLEN, US
[72] SHIELDS, DANIEL R., US
[72] TAYLOR, ROBERT JAMES, US
[73] WALMART APOLLO, LLC, US
[86] (2927169)
[87] (2927169)
[22] 2016-04-14
[30] US (62/147,255) 2015-04-14

[11] **2,929,623**
[13] C
[51] **Int.Cl. A42B 3/12 (2006.01)**
[25] EN
[54] **FLEXIBLE MULTI-LAYER HELMET AND METHOD FOR MAKING THE SAME**
[54] **CASQUE FLEXIBLE A PLUSIEURS COUCHES ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] LOWE, MICHAEL W., US
[73] BELL SPORTS, INC., US
[85] 2016-05-03
[86] 2014-12-08 (PCT/US2014/069060)
[87] (WO2015/085294)
[30] US (61/913,222) 2013-12-06
[30] US (14/563,003) 2014-12-08

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[13] C
[51] **Int.Cl. C12N 15/62 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 35/12 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **HUMAN MESOTHELIN CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES DE LA MESOTHELINE HUMAINE ET LEURS UTILISATIONS**
[72] BEATTY, GREGORY, US
[72] ENGELS, BORIS, US
[72] IDAMAKANTI, NEERAJA, US
[72] JUNE, CARL H., US
[72] LOEW, ANDREAS, US
[72] SONG, HUIJUAN, CN
[72] WU, QILONG, US
[73] NOVARTIS AG, CH
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2016-05-26
[86] 2014-12-19 (PCT/CN2014/094393)
[87] (WO2015/090230)
[30] CN (PCT/CN2013/089979) 2013-12-19
[30] CN (PCT/CN2014/082610) 2014-07-21
[30] CN (PCT/CN2014/090509) 2014-11-06

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[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/16 (2006.01) E05B 15/00 (2006.01) E05C 19/10 (2006.01)**
[25] EN
[54] **DUSTBIN LOCK ASSEMBLY**
[54] **MECANISME DE VERROU DE RAMASSE-POUSSIERE**
[72] MATUSCHEK, MANFRED ERNST, DE
[72] ACKERMANN, TOBIAS, DE
[73] FRANZEN NORTH AMERICA INC., CA
[86] (2931716)
[87] (2931716)
[22] 2016-06-01
[30] US (62/319,603) 2016-04-07

[11] **2,931,888**
[13] C
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 84/18 (2009.01) G08B 15/00 (2006.01)**
[25] EN
[54] **WIRELESS PERSONAL SAFETY DEVICE**
[54] **DISPOSITIF DE SECURITE PERSONNEL SANS FIL**
[72] SCULLY, JACK T., US
[72] SCHNEIDER, MARK, US
[73] MICRO APPS GROUP INVENTIONS LLC, US
[86] (2931888)
[87] (2931888)
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[51] **Int.Cl. G01D 3/028 (2006.01) G01K 13/024 (2021.01) G01K 13/00 (2021.01)**
[25] EN
[54] **ESTIMATING SYSTEM PARAMETERS FROM SENSOR MEASUREMENTS**
[54] **ESTIMATION DE PARAMETRES DE SYSTEME DE MESURES DE CAPTEUR**
[72] PEDRAMI, REZA, CA
[72] MADANI, KAVEH MOEZZI, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2931891)
[87] (2931891)
[22] 2016-06-01
[30] US (14/936,994) 2015-11-10

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[13] C
[51] **Int.Cl. H02B 1/14 (2006.01) H02B 1/03 (2006.01)**
[25] EN
[54] **ELECTRICAL PROTECTION SLIDE**
[54] **GLISSIERE DE PROTECTION ELECTRIQUE**
[72] DESILETS, VERONIQUE, CA
[72] VEZINA, SEBASTIEN, CA
[72] D'ARCY-LEPAGE, ANDREANE, CA
[72] MERCIER, SIMON, CA
[73] SIEMENS CANADA LIMITEE, CA
[86] (2931991)
[87] (2931991)
[22] 2016-06-02
[30] US (62170192) 2015-06-03
[30] US (62170190) 2015-06-03
[30] US (62170188) 2015-06-03
[30] US (62170187) 2015-06-03
[30] US (62170184) 2015-06-03
[30] US (62170183) 2015-06-03
[30] US (62170181) 2015-06-03

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[51] **Int.Cl. H02B 1/03 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **WINDOW FOR BOTTOM ACCESS TO AN ELECTRICAL METER CENTER**
[54] **FENETRE A ACCES AU BAS DESTINEE A UN CENTRE DE COMPTEURS ELECTRIQUES**
[72] KOLLENDA, ANNA, CA
[72] DESILETS, VERONIQUE, CA
[72] VEZINA, SEBASTIEN, CA
[73] SIEMENS CANADA LIMITEE, CA
[86] (2932228)
[87] (2932228)
[22] 2016-06-03
[30] US (62170192) 2015-06-03
[30] US (62170190) 2015-06-03
[30] US (62170188) 2015-06-03
[30] US (62170187) 2015-06-03
[30] US (62170184) 2015-06-03
[30] US (62170183) 2015-06-03
[30] US (62170181) 2015-06-03

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[13] C
[51] **Int.Cl. G08B 17/10 (2006.01)**
[25] EN
[54] **SMOKE DETECTOR**
[54] **DETECTEUR DE FUMEE**
[72] BAXENDELL, DOUG JOHN, US
[72] BELL, KENNETH FRAZER, US
[72] ISAACSON, MICHAEL JOHN, US
[72] JETT, TRAVIS WAYNE, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2932590)
[87] (2932590)
[22] 2016-06-07
[30] US (14/797,500) 2015-07-13

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[51] **Int.Cl. B65G 57/28 (2006.01) B65G 57/00 (2006.01)**
[25] EN
[54] **STACKING SYSTEMS FOR STRUCTURAL COMPONENTS**
[54] **SYSTEMES D'EMPILEMENT DE COMPOSANTS STRUCTURAUX**
[72] DION, ROBERT DAVID, US
[72] FLACK, ANDREW DAMON, US
[72] PETTIS, DAVID JOSHUA, US
[73] ASC MACHINE TOOLS, INC., US
[86] (2933161)
[87] (2933161)
[22] 2016-06-14
[30] US (62/232,745) 2015-09-25

[11] **2,933,394**
[13] C
[51] **Int.Cl. A61K 31/4545 (2006.01) A61K 31/381 (2006.01) A61K 31/4015 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **COMBINATIONS COMPRISING POSITIVE ALLOSTERIC MODULATORS OR ORTHOSTERIC AGONISTS OF METABOTROPIC GLUTAMATERGIC RECEPTOR SUBTYPE 2 AND THEIR USE**
[54] **COMBINAISONS COMPRENANT DES MODULATEURS ALLOSTERIQUES POSITIFS OU DES AGONISTES ORTHOSTERIQUES DE SOUS-TYPE 2 DE RECEPTEUR GLUTAMATERGIQUE METABOTROPE, ET LEUR UTILISATION**
[72] KLEIN, BRIAN D., US
[72] LAVREYSEN, HILDE, BE
[72] PYPE, STEFAN MARIA CHRISTIAAN, BE
[72] TWYMAN, ROY E., US
[72] VAN OSSELAER, NANCY EULALIE SYLVAIN, BE
[72] WHITE, H. STEVEN, US
[72] CEUSTERS, MARC ANDRE, BE
[72] CID-NUNEZ, JOSE MARIA, ES
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES
[72] BONE, ROGER FRANCIS, GB
[73] JANSSEN PHARMACEUTICA NV, BE
[85] 2016-06-10
[86] 2015-01-20 (PCT/EP2015/051029)
[87] (WO2015/110435)
[30] US (61/929,795) 2014-01-21
[30] EP (14153887.6) 2014-02-04
[30] EP (14153880.1) 2014-02-04
[30] EP (14183324.4) 2014-09-03
[30] EP (14187429.7) 2014-10-02
[30] US (62/091,668) 2014-12-15

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[51] **Int.Cl. C12P 21/00 (2006.01) C12Q 1/6897 (2018.01) C07K 16/00 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12N 15/12 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **NOVEL EUKARYOTIC CELLS AND METHODS FOR RECOMBINANTLY EXPRESSING A PRODUCT OF INTEREST**
[54] **NOUVELLES CELLULES EUCARYOTES ET PROCEDES D'EXPRESSION DE MANIERE RECOMBINANTE D'UN PRODUIT D'INTERET**
[72] JOSTOCK, THOMAS, CH
[72] LAUX, HOLGER, CH
[72] RITTER, ANETT, CH
[73] NOVARTIS AG, CH
[85] 2016-06-17
[86] 2014-12-18 (PCT/IB2014/067076)
[87] (WO2015/092737)
[30] US (61/919,340) 2013-12-20

[11] **2,934,662**
[13] C
[51] **Int.Cl. C12M 3/02 (2006.01)**
[25] EN
[54] **LOW SHEAR MICROFLUIDIC DEVICES AND METHODS OF USE AND MANUFACTURING THEREOF**
[54] **DISPOSITIFS MICROFLUIDIQUES A FAIBLE CISAILLEMENT ET LEURS PROCEDES D'UTILISATION ET DE FABRICATION**
[72] INGBER, DONALD E., US
[72] HAJIPOURAN BENAM, KAMBEZ, US
[72] VILLENAVE, REMI, US
[72] HAMILTON, GERALDINE A., US
[72] HASSELL, BRYAN, US
[72] HINOJOSA, CHRISTOPHER D., US
[72] LUCCHESI, CAROLINA, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2016-06-20
[86] 2014-12-19 (PCT/US2014/071611)
[87] (WO2015/138034)
[30] US (61/919,193) 2013-12-20

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[13] C
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/0735 (2010.01) C07K 14/735 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMALS HAVING HUMANIZED FC-GAMMA RECEPTORS**
[54] **ANIMAUX NON HUMAINS AYANT DES RECEPTEURS FC-GAMMA HUMANISES**
[72] MURPHY, ANDREW J., US
[72] MACDONALD, LYNN, US
[72] GURER, CAGAN, US
[72] MEAGHER, KAROLINA A., US
[72] TU, NAXIN, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2016-06-29
[86] 2015-04-08 (PCT/US2015/024920)
[87] (WO2015/157415)
[30] US (61/977,037) 2014-04-08

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[13] C
[51] **Int.Cl. B01J 23/88 (2006.01) B01J 37/08 (2006.01) C07C 5/48 (2006.01)**
[25] EN
[54] **CONTROLLED PRESSURE HYDROTHERMAL TREATMENT OF ODH CATALYST**
[54] **TRAITEMENT HYDROTHERMAL A PRESSION CONTROLEE DE CATALYSEUR ODH**
[72] SIMANZHENKOV, VASILY, CA
[72] GAO, XIAOLIANG, CA
[72] SULLIVAN, DAVID JEFFREY, CA
[72] DRAG, HANNA, CA
[72] BARNES, MARIE ANNETTE, CA
[73] NOVA CHEMICALS CORPORATION, CA
[86] (2936448)
[87] (2936448)
[22] 2016-07-19

[11] **2,936,805**
[13] C
[51] **Int.Cl. G01N 33/574 (2006.01) A61K 39/395 (2006.01) C07K 16/30 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **CELL SURFACE PROSTATE CANCER ANTIGEN FOR DIAGNOSIS**
[54] **ANTIGENE DE SURFACE CELLULAIRE DU CANCER DE LA PROSTATE DESTINE AU DIAGNOSTIC**
[72] WALSH, BRADLEY, AU
[72] CAMPBELL, DOUGLAS, AU
[72] JUSTINIANO FUENMAYOR, IRENE, AU
[72] NOCON, ALINE, AU
[72] SOON, JULIE, AU
[72] TRUONG, QUACH, AU
[72] WISSMUELLER, SANDRA, AU
[72] RUSSELL, PAMELA, AU
[73] MINOMIC INTERNATIONAL LTD., AU
[85] 2016-07-14
[86] 2015-01-16 (PCT/AU2015/000018)
[87] (WO2015/106311)
[30] US (61/928,776) 2014-01-17

[11] **2,937,859**
[13] C
[51] **Int.Cl. G01J 1/04 (2006.01) B60R 9/00 (2006.01) G01D 21/02 (2006.01)**
[25] FR
[54] **COLLECTION SYSTEM FOR PHOTOMETRIC DATA WITH IMPROVED REPEATABILITY**
[54] **SYSTEME DE RELEVE DE DONNEES PHOTOMETRIQUES A REPETABILITE AMELIOREE**
[72] DAEL, CLEMENCE, FR
[72] HORTON, FRANCK, FR
[72] LEBRET, JEAN, FR
[73] BOUYGUES ENERGIES ET SERVICES, FR
[86] (2937859)
[87] (2937859)
[22] 2016-08-02
[30] FR (1557476) 2015-08-03

[11] **2,938,885**
[13] C
[51] **Int.Cl. E04B 2/74 (2006.01) E04B 2/82 (2006.01)**
[25] EN
[54] **INTERFACE FOR MOUNTING INTERCHANGABLE COMPONENTS**
[54] **INTERFACE POUR LE MONTAGE DE COMPOSANTS INTERCHANGEABLES**
[72] GOSLING, GEOFF, CA
[72] HARRIS, PATRICK JOHN, CA
[72] SMED, MOGENS, CA
[73] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., CA
[85] 2016-08-04
[86] 2015-02-13 (PCT/US2015/015943)
[87] (WO2015/126767)
[30] US (61/942,601) 2014-02-20
[30] US (61/942,602) 2014-02-20
[30] US (61/942,600) 2014-02-20
[30] US (62/009,061) 2014-06-06
[30] US (62/009,557) 2014-06-09

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[13] C
[51] **Int.Cl. C07K 14/415 (2006.01) A01N 65/04 (2009.01) A01H 5/00 (2018.01) A01P 7/04 (2006.01) C07K 19/00 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **INSECTICIDAL PROTEINS AND METHODS FOR THEIR USE**
[54] **PROTEINES INSECTICIDES ET LEURS PROCEDES D'UTILISATION**
[72] BARRY, JENNIFER, US
[72] HAYES, KEVIN, US
[72] LIU, LU, US
[72] SCHEPERS, ERIC, US
[72] YALPANI, NASSER, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US
[85] 2016-08-05
[86] 2015-02-06 (PCT/US2015/014816)
[87] (WO2015/120270)
[30] US (61/937,288) 2014-02-07

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[13] C
[51] **Int.Cl. A01B 59/048 (2006.01) A01B 59/04 (2006.01) A01B 63/00 (2006.01)**
[25] EN
[54] **MULTI HEAD WINDROWER**
[54] **ANDAINEUSE MULTITETE**
[72] ROTOLE, DAVID V., US
[72] TEACH, KYLE R., US
[72] SHIPLEY, KYLE A., US
[73] DEERE & COMPANY, US
[86] (2940714)
[87] (2940714)
[22] 2016-08-30
[30] US (14/848,781) 2015-09-09

[11] **2,941,034**
[13] C
[51] **Int.Cl. B29C 35/12 (2006.01)**
[25] EN
[54] **ADVANCED MULTIPLE GRID HEAT SOURCES TO ACHIEVE OPTIMIZED CURE STRUCTURE AND METHOD OF MAKING THE SAME**
[54] **SOURCES DE CHALEUR MULTIPLES AVANCEES EN RESEAU DESTINEES A REALISER UNE STRUCTURE DE DURCISSEMENT OPTIMISEE ET METHODE DE FABRICATION ASSOCIEE**
[72] SHOME, MOUSHUMI, US
[72] PAL, ALOKE K., US
[73] THE BOEING COMPANY, US
[86] (2941034)
[87] (2941034)
[22] 2016-09-06
[30] US (14/941998) 2015-11-16

[11] **2,942,610**
[13] C
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **USE OF A MEDICAMENT COMPRISING A PEPTIDE-LOADED PERIPHERAL BLOOD MONONUCLEAR CELL FOR EXTENDING A CELLULAR CYTOTOXIC IMMUNE RESPONSE**
[54] **UTILISATION D'UN MEDICAMENT COMPRENANT UNE CELLULE MONONUCLEE DE SANG PERIPHERIQUE CHARGEE DE PEPTIDE POUR PROLONGER UNE REPONSE IMMUNITAIRE CYTOTOXIQUE CELLULAIRE**
[72] KROCZEK, RICHARD, DE
[73] BUNDESREPUBLIK DEUTSCHLAND LETZTVERTRETEN DURCH DAS ROBERT KOCH-INSTITUT VERTRETEN DURCH SEINEN PRASIDENTEN, DE
[85] 2016-09-13
[86] 2015-03-17 (PCT/EP2015/055574)
[87] (WO2015/140175)
[30] EP (14000971.3) 2014-03-17

[11] **2,943,497**
[13] C
[51] **Int.Cl. G01F 23/28 (2006.01) G01F 23/292 (2006.01) B61C 17/00 (2006.01)**
[25] EN
[54] **LIQUID LEVEL SENSING DEVICE**
[54] **DISPOSITIF DE DETECTION DE NIVEAU DE LIQUIDE**
[72] BAKER, DAVID, US
[73] LAT-LON LLC, US
[86] (2943497)
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[54] **METHOD AND APPARATUS FOR MONITORING OPERATION OF A VEHICLE**
[54] **METHODE ET APPAREIL DE SURVEILLANCE DU FONCTIONNEMENT D'UN VEHICULE**
[72] CORRIE, NICHOLAS CHARLES, GB
[72] FINCH, PETER, GB
[72] MAHMOUDZADEH, KAMRAN, GB
[72] COTTRILL, ALAN WILLIAM CLEMENT, GB
[73] TRAK (GLOBAL SOLUTIONS) LIMITED, GB
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[87] (2944593)
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[54] **INTELLIGENT AUTOMATIC LICENSE PLATE RECOGNITION FOR ELECTRONIC TOLLING ENVIRONMENTS**
[54] **RECONNAISSANCE AUTOMATIQUE INTELLIGENTE DE PLAQUE D'IMMATRICULATION DESTINEE A DES ENVIRONNEMENTS DE PAYAGE ELECTRONIQUE**
[72] GOMES DE ALMEIDA, RICARDO ANDRE SANTOS, PT
[72] PINTO, ANTONIO RICARDO RUANO, PT
[72] FIGUEIRA, ROMEU RODRIGUES, US
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
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[54] **RESOURCE EVALUATION FOR COMPLEX TASK EXECUTION**
[54] **EVALUATION DE RESSOURCE DESTINEE A L'EXECUTION DE TACHE COMPLEXE**
[72] DUBEY, ALPANA, IN
[72] MEHTA, MANISH, US
[72] JAIN, SAKSHI, IN
[72] SINGH, GURDEEP, IN
[72] KASS, ALEX, US
[72] ABHINAV, KUMAR, IN
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
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[54] **METHOD AND APPARATUS FOR A SCORING SERVICE FOR SECURITY THREAT MANAGEMENT**
[54] **PROCEDE ET APPAREIL DESTINES A UN SERVICE D'EVALUATION DE NIVEAU POUR LA GESTION DE MENACES POUR LA SECURITE**
[72] LIETZ, M. SHANNON, US
[72] CABRERA, LUIS FELIPE, US
[73] INTUIT INC., US
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[54] **CAGE POUR ANIMAL DOTEE D'UNE PORTE BATTANTE OU RABATTANTE**
[72] CANTWELL, BRAD, US
[72] KERR, STEW, US
[72] GREENE, MICHAEL E., US
[73] MID-WEST METAL PRODUCTS CO., INC., US
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[54] **COMPOSITION LUBRIFIANTE CONTENANT UN AGENT ANTI-USURE**
[72] SACCOMANDO, DANIEL J., GB
[72] BARTON, WILLIAM R. S., GB
[72] DELBRIDGE, EWAN E., US
[72] MOSIER, PATRICK E., US
[73] THE LUBRIZOL CORPORATION, US
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[54] **OXYDE D'ETAIN DOPE A L'INDIUM, CONDUCTEUR ET TRANSPARENT**
[72] UPRETY, KRISHNA K., US
[72] LAKDAWALA, KHUSHROO H., US
[72] SHELLENBERGER, RUSSELL, US
[72] ALI, MAHMOOD AHMAD, US
[73] PPG INDUSTRIES OHIO, INC., US
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[54] **DISPOSITIF D'ELECTRODE CUTANEE ET DISPOSITIF D'ELECTROSTIMULATION INTEGRANT CE DISPOSITIF D'ELECTRODE**
[72] KARST, NICOLAS, FR
[72] PERRAUD, SIMON, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[54] **METHODE DE GAUSS-NEWTON A BASE D'ENSEMBLE ADAPTATIF POUR LA RESOLUTION DE PROBLEMES NON LINEAIRES AVANCES**
[72] GENTILHOMME, THEOPHILE, FR
[73] CGG SERVICES SAS, FR
[86] (2948884)
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[73] INOPTEC LIMITED ZWEIGNIEDERLASSUNG DEUTSCHLAND, DE
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[54] **CONNECTEUR POUR UNE INTERFACE DE PATIENT AVEC MECANISME DE VERROUILLAGE COULISSANT**
[72] PEACOCK, MATHEW IAN, NZ
[72] GULLIVER, LAURENCE, NZ
[72] KLENNER, JASON ALLAN, NZ
[72] LAING, BRENT IAN, NZ
[72] CLARKSON, SOOJI HOPE, NZ
[72] O'CONNOR, MARK THOMAS, NZ
[72] ASSI, MILANJOT SINGH, NZ
[72] MOYLE, AIDAN JAMES, NZ
[72] DRAIN, ANDREW ROLF, NZ
[72] ENSLIN, CHRISTI NICOL, NZ
[72] CURTIS, OLIVIA GRACE, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **AUTONOMOUS SAFETY AND SECURITY DEVICE ON AN UNMANNED PLATFORM UNDER COMMAND AND CONTROL OF A CELLULAR PHONE**
[54] **DISPOSITIF DE SURETE ET SECURITE AUTONOME SUR UNE PLATEFORME INHABITEE COMMANDE ET CONTROLE PAR UN TELEPHONE CELLULAIRE**
[72] SCHNEIDER, MARK, US
[72] BRYAN, LEE, US
[72] SCOTT, PATRICIA L., US
[72] KOGAN, VLADIMIR F., US
[72] SCULLY, WENDY C., US
[72] SCULLY, JACK T., US
[73] MICRO APPS GROUP INVENTIONS, LLC, US
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[54] **COMPOSITIONS ET PROCEDES DE CIBLAGE DU RECEPTEUR DE PROTEINE TENSIOACTIVE A**
[72] CHRONEOS, ZISSIS, US
[72] CHRISTENSEN, NEIL, US
[73] THE PENN STATE RESEARCH FOUNDATION, US
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[54] **SEMOIR PNEUMATIQUE COMPORTANT DES ROUES DE DOSAGE A CONTROLE INDIVIDUEL DANS UN CORPS DE DOSEUR COMMUN**
[72] SHEPPARD, CLINT W., CA
[72] GRODECKI, LAWRENCE, CA
[73] MORRIS EQUIPMENT LTD., CA
[86] (2954882)
[87] (2954882)
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[54] **PROCEDE POUR MODULER LE TRANSPORT DU GLUCOSE INSULINO-INDEPENDANT A L'AIDE DE PEPTIDES ASSOCIES AU DOMAINE C-TERMINAL DE TENEURINES (TCAP)**
[72] LOVEJOY, DAVID, CA
[72] CHEN, YANI, CA
[73] LOVEJOY, DAVID, CA
[73] CHEN, YANI, CA
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[54] **COMMUNICATION NUMERIQUE ENTRE UN ORDINATEUR D'AVION ET UN ORDINATEUR D'AUTO**
[72] SAARIO, TEUVO, CA
[72] PEDRAMI, REZA, CA
[72] MARTIN, AARON, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2955528)
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[54] **SYSTEM AND METHOD FOR DE-ICING A WIND TURBINE ROTOR BLADE**
[54] **SYSTEME ET METHODE DE DEGLACAGE D'UNE PALE DE ROTOR D'EOLIENNE**
[72] DRAPER, SAMUEL DAVID, US
[73] GENERAL ELECTRIC RENOVABLES ESPANA, S.L., ES
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[72] DENNIS, MARK, US
[72] JUNUTULA, JAGATH REDDY, US
[72] PHILLIPS, GAIL LEWIS, US
[72] PILLOW, THOMAS HARDEN, US
[72] SLIWKOWSKI, MARK X., US
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[72] AHMED, MAHIUDDIN, US
[72] ZHAO, QI, US
[73] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[72] MODLIN, IRVIN MARK, US
[72] KIDD, MARK, US
[72] DROZDOV, IGNAT, GB
[73] CLIFTON LIFE SCIENCES LLC, KN
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[72] SHEN, LONGHUI, CN
[72] MELIUS, JEFFREY ALAN, US
[72] WANG, CHENGJUN, CN
[73] GENERAL ELECTRIC RENOVABLES ESPANA, S.L., ES
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[87] (2960355)
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[54] **PROCEDES DE PRODUCTION D'EAU PURIFIEE PROVENANT DU PROCEDE FISCHER-TROPSCH**
[72] GREAGER, IVAN PHILIP, US
[72] SILVA, LAURA J., US
[72] LEA, GRAHAM, GB
[73] VELOCYS TECHNOLOGIES, LTD., GB
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[54] **PROCEDE ET SYSTEME POUR DETECTER DE L'EAU, DES DEBRIS OU D'AUTRES OBJETS ETRANGERS SUR UN ECRAN D'AFFICHAGE**
[72] MCDOUGALL, PAUL, CA
[72] TALUSAN, GEORGE, CA
[72] BEGHIAN, ROBERT, CA
[72] WU, JAMES, CA
[72] HUNTER, TREVOR, CA
[72] MANTHA, RAMESH, CA
[73] RAKUTEN GROUP, INC., JP
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[54] **SOLVANT POUR SOLUTIONS DE TRIAMIDE THIOPHOSPHORIQUE OU DE DICYANDIAMIDE, ET PROCEDES ASSOCIES**
[72] IANNOTTA, LEAHANN, US
[72] PAZHIANUR, RAJESH, US
[72] MOREAU, CHLOE, FR
[72] ARMISEN, SAMANTHA, FR
[73] RHODIA OPERATIONS, FR
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[54] **APPAREIL ET PROCEDE PERMETTANT DE DETERMINER UN NIVEAU D'UN FLUIDE A L'INTERIEUR D'UN RECIPIENT**
[72] JONES, OWEN JOHN LLOYD, GB
[72] O'DOHERTY, FRANCIS, GB
[72] SAEVAREIDE, TOR MAGNUS, NO
[73] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2017-04-04
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[54] **APPLICATIONS THERAPEUTIQUES DE LIQUIDE CEPHALORACHIDIEN ARTIFICIEL ET OUTILS PREVUS A CET EFFET**
[72] WOSTYN, PETER, BE
[73] P&X MEDICAL NV, BE
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[54] **PIVOT ET SYSTEME DE SUSPENSION DESTINES AUX VEHICULES RECREATIFS**
[72] VIGEN, DAVID L., US
[72] SIBILLEAU, GUY L., US
[73] ARCTIC CAT INC., US
[86] (2965000)
[87] (2965000)
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[54] **CONVERTISSEUR ELEVATEUR ISOLE**
[72] ISURIN, ALEXANDER, US
[72] COOK, ALEXANDER, US
[73] VANNER, INC., US
[86] (2965014)
[87] (2965014)
[22] 2017-04-24
[30] US (15/494,063) 2017-04-21
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[25] EN
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[54] **RACCORD A RACCORDER A UN ELEMENT TUBULAIRE, RACCORD DE TUBAGE ET PROCEDE DE RACCORDEMENT D'UN RACCORD A UN ELEMENT TUBULAIRE**
[72] SALEHI-BAKHTIARI, MANOUCHEHR, GB
[73] CONEX IPR LIMITED, GB
[85] 2017-04-26
[86] 2015-10-29 (PCT/IB2015/058341)
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[30] EP (14191353.3) 2014-10-31

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[54] **TRI DE PARTICULES DANS UN DISPOSITIF MICROFLUIDIQUE**
[72] KAPUR, RAVI, US
[72] SMITH, KYLE C., US
[72] TONER, MEHMET, US
[73] THE GENERAL HOSPITAL CORPORATION, US
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[25] EN
[54] **CONCENTRATING PARTICLES IN A MICROFLUIDIC DEVICE**
[54] **CONCENTRATION DE PARTICULES DANS UN DISPOSITIF MICROFLUIDIQUE**
[72] KAPUR, RAVI, US
[72] SMITH, KYLE C., US
[72] TONER, MEHMET, US
[73] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-05-02
[86] 2015-11-03 (PCT/US2015/058841)
[87] (WO2016/073486)
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[30] US (62/074,315) 2014-11-03

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[25] EN
[54] **METHODS OF MINERAL OIL PRODUCTION USING SURFACTANTS AND PRODUCING SAID SURFACTANTS**
[54] **METHODES DE PRODUCTION D'HUILE MINERALE AU MOYEN D'AGENTS DE SURFACE ET PRODUCTION DE CES AGENTS DE SURFACE**
[72] BITTNER, CHRISTIAN, DE
[72] OETTER, GUNTER, DE
[72] WEISSE, SEBASTIAN ALEXANDER, DE
[72] RATHS, HANS-CHRISTIAN, DE
[72] TINSLEY, JACK, US
[72] KIENLE, MARCEL PATRIK, DE
[73] BASF SE, DE
[85] 2017-05-10
[86] 2015-11-17 (PCT/EP2015/076832)
[87] (WO2016/079121)
[30] US (62/081,062) 2014-11-18

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[25] EN
[54] **FIREARM LOCK SHROUD**
[54] **GAINE DE VERROU D'ARME A FEU**
[72] SETINA, TERRY L., US
[73] SETINA, TERRY L., US
[86] (2967959)
[87] (2967959)
[22] 2017-05-19
[30] US (15/162434) 2016-05-23

[11] **2,969,081**
[13] C
[51] **Int.Cl. F24F 7/02 (2006.01) E04D 13/152 (2006.01) E04D 13/17 (2006.01)**
[25] EN
[54] **SPACED VENT FOR METAL ROOFS**
[54] **EVENT ESPACE DESTINE A DES TOITURES METALLIQUES**
[72] LOWE, STEVEN E., US
[73] COR-A-VENT, INC., US
[86] (2969081)
[87] (2969081)
[22] 2017-05-31
[30] US (15/170478) 2016-06-01

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[13] C
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS**
[54] **SYSTEME DE VERROUILLAGE MECANIQUE POUR PANNEAUX DE PLANCHER**
[72] PERVAN, DARKO, SE
[73] CERALOC INNOVATION AB, SE
[85] 2017-05-29
[86] 2015-12-17 (PCT/SE2015/051367)
[87] (WO2016/105266)
[30] SE (1451632-2) 2014-12-22

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[25] EN
[54] **METHOD, APPARATUS, AND COMUTER-READABLE MEDIUM FOR PROCESSING A MESSAGE BY A MESSAGE BROKER SYSTEM**
[54] **METHODE, APPAREIL ET SUPPORT LISIBLE PAR ORDINATEUR POUR TRAITER UN MESSAGE AU MOYEN D'UN SYSTEME DE COURTIER DE MESSAGES**
[72] FUGITT, JESSE A., US
[72] CANLI, TURKMEN, US
[72] HODA, SAHIR, US
[73] INFORMATICA LLC, US
[85] 2017-05-29
[86] 2015-11-30 (PCT/US2015/063034)
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[30] US (62/086,111) 2014-12-01
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[13] C
[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/02 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **METHODS OF MEASURING SIGNALING PATHWAY ACTIVITY TO DIAGNOSE AND TREAT PATIENTS**
[54] **PROCEDES DE MESURE DE L'ACTIVITE D'UNE VOIE DE SIGNALISATION POUR DIAGNOSTIQUER ET TRAITER DES PATIENTS**
[72] SULLIVAN, BRIAN FRANCIS, US
[72] LAING, LANCE GAVIN, US
[73] CELCUITY INC., US
[85] 2017-05-31
[86] 2015-12-14 (PCT/US2015/065584)
[87] (WO2016/094904)
[30] US (62/091,180) 2014-12-12

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[51] **Int.Cl. H01R 13/639 (2006.01) H01R 4/50 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR HOUSINGS WITH CAM-LOCK COUPLINGS**
[54] **LOGEMENTS DE CONNECTEUR ELECTRIQUE DOTES DE RACCORDEMENTS A VERROU A CAME**
[72] HAMED, AFSHIN, CA
[72] HAMED, AFSHAR, CA
[72] FUDGE, PETER, CA
[73] CAM-PLUG LTD., CA
[86] (2970884)
[87] (2970884)
[22] 2017-06-23
[30] US (15/62957) 2017-06-21

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[13] C
[51] **Int.Cl. A01N 43/56 (2006.01) A01N 37/50 (2006.01) A01N 43/40 (2006.01) A01N 43/653 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **ACTIVE COMPOUND COMBINATIONS COMPRISING A (THIO)CARBOXAMIDE DERIVATIVE AND FUNGICIDAL COMPOUND(S)**
[54] **ASSOCIATIONS DE COMPOSES ACTIFS COMPRENANT UN DERIVE DE (THIO)CARBOXIMIDE ET UN OU PLUSIEURS COMPOSES FONGICIDES**
[72] DAHMEN, PETER, DE
[72] DESBORDES, PHILIPPE, FR
[72] KRIEG, ULRICH, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2017-06-14
[86] 2015-12-15 (PCT/EP2015/079686)
[87] (WO2016/096782)
[30] EP (14290387.1) 2014-12-16

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[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) C07K 16/18 (2006.01) C07K 16/42 (2006.01)**
[25] EN
[54] **DICAM-SPECIFIC ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS SPECIFIQUES DE DICAM ET LEURS UTILISATIONS**
[72] PRAT, ALEXANDRE, CA
[72] GHANNAM, SOUFIANE, CA
[73] VAL-CHUM, LIMITED PARTNERSHIP, CA
[85] 2017-06-16
[86] 2015-12-17 (PCT/CA2015/051338)
[87] (WO2016/095046)
[30] US (62/094,590) 2014-12-19
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[51] **Int.Cl. C07D 273/04 (2006.01) A61K 31/4245 (2006.01) A61K 31/5395 (2006.01) A61K 31/551 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) C07D 271/07 (2006.01) C07D 273/06 (2006.01)**
[25] EN
[54] **CREATINE PRODRUGS, COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **PROMEDICAMENTS DE LA CREATINE, COMPOSITIONS EN CONTENANT ET LEURS PROCEDES D'UTILISATION**
[72] BRUBAKER, WILLIAM F., US
[73] FARMINGTON PHARMA DEVELOPMENT, US
[85] 2017-06-20
[86] 2015-12-22 (PCT/US2015/067283)
[87] (WO2016/106284)
[30] US (62/095,295) 2014-12-22

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[13] C
[51] **Int.Cl. A01B 63/10 (2006.01) A01B 63/111 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **AN ELECTRONIC LATCHING CIRCUIT**
[54] **UN CIRCUIT DE VERROUILLAGE ELECTRONIQUE**
[72] BARFELS, AARON L., US
[73] DEERE & COMPANY, US
[86] (2972760)
[87] (2972760)
[22] 2017-07-10
[30] US (15/234,427) 2016-08-11

[11] **2,972,940**
[13] C
[51] **Int.Cl. G01N 13/00 (2006.01) G01N 27/24 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A QUANTITY OF INTEREST IN A TARGET DOMAIN, APPARATUS, AND COMPUTER PROGRAM**
[54] **PROCEDE PERMETTANT DE DETERMINER UNE GRANDEUR DIGNE D'INTERET DANS UN DOMAINE CIBLE, APPAREIL ET PROGRAMME INFORMATIQUE**
[72] NISSINEN, ANTTI, FI
[72] VAUHKONEN, MARKO, FI
[72] KOLEHMAINEN, VILLE, FI
[72] KAIPIO, JARI, NZ
[72] LEHIKOINEN, ANSSI, FI
[72] VOUTILAINEN, ARTO, FI
[72] HARTIKAINEN, JOUNI, FI
[73] ROCSOLE LTD, FI
[85] 2017-07-04
[86] 2015-01-09 (PCT/FI2015/050012)
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[25] EN
[54] **AN ELECTRODE ARRAY FOR PHYSIOLOGICAL MONITORING AND DEVICE INCLUDING OR UTILIZING SAME**
[54] **UN RESEAU D'ELECTRODES POUR SURVEILLANCE PHYSIOLOGIQUE ET DISPOSITIF COMPRENANT OU UTILISANT CELUI-CI**
[72] RACHELI, NOAM, IL
[72] YESHAYA, AVIAD, IL
[72] ZUCKERMAN-STARK, GALIT, IL
[72] BEN-ISRAEL, NIR, IL
[72] AMOSSI, AVIEM, IL
[73] MEDASENSE BIOMETRICS LTD., IL
[85] 2017-07-10
[86] 2016-01-06 (PCT/IL2016/050015)
[87] (WO2016/110847)
[30] US (62/100,930) 2015-01-08

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[51] **Int.Cl. G01B 11/16 (2006.01) A61B 5/00 (2006.01) G01L 1/04 (2006.01)**
[25] EN
[54] **A DEVICE AND A METHOD FOR EVALUATING A MECHANICAL PROPERTY OF A MATERIAL**
[54] **DISPOSITIF ET PROCEDE D'EVALUATION DE PROPRIETE MECANIQUE DE MATERIAU**
[72] MCLAUGHLIN, ROBERT AINSLEY, AU
[72] SAMPSON, DAVID DOUGLAS, AU
[72] KENNEDY, BRENDAN FRANCIS, AU
[72] KENNEDY, KELSEY MARIE, AU
[73] THE UNIVERSITY OF WESTERN AUSTRALIA, AU
[85] 2017-07-12
[86] 2016-01-29 (PCT/AU2016/000019)
[87] (WO2016/119011)
[30] US (62/110,108) 2015-01-30

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[51] **Int.Cl. C07K 16/00 (2006.01) C07K 7/06 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **NON-IMMUNOGENIC SINGLE DOMAIN ANTIBODIES**
[54] **ANTICORPS A DOMAINE UNIQUE NON-IMMUNOGENES**
[72] ECKELMAN, BRENDAN P., US
[72] TIMMER, JOHN C., US
[72] DEVERAUX, QUINN, US
[73] INHIBRX, INC., US
[85] 2017-07-18
[86] 2016-01-21 (PCT/US2016/014296)
[87] (WO2016/118733)
[30] US (62/106,035) 2015-01-21

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[13] C
[51] **Int.Cl. E21F 16/00 (2006.01) E21F 15/00 (2006.01) E21F 15/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FORMING A CAVITY IN A BACKFILLED STOPE**
[54] **SYSTEME ET PROCEDE POUR FORMER UNE CAVITE DANS UNE CHAMBRE REMBLAYEE**
[72] LAMOND, ROBERT, CA
[73] STURDA INC., CA
[86] (2974555)
[87] (2974555)
[22] 2017-07-26

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[13] C
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/00 (2006.01) A61K 31/573 (2006.01) A61K 31/58 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **INJECTABLE PHARMACEUTICAL COMPOSITION COMPRISING DEXAMETHASONE SODIUM PHOSPHATE**
[54] **COMPOSITION PHARMACEUTIQUE INJECTABLE COMPRENANT UN PHOSPHATE DE SODIUM DE LA DEXAMETHASONE**
[72] SHAH, MAHENDRA G., US
[73] SEMNUR PHARMACEUTICALS, INC., US
[85] 2017-07-21
[86] 2016-01-20 (PCT/US2016/014165)
[87] (WO2016/118649)
[30] US (62/106,045) 2015-01-21

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[13] C
[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/037 (2006.01)**
[25] EN
[54] **TONNEAU COVER SYSTEM WITH SIDE RAIL MOUNTED LATCHES AND A REAR HEADER MOUNTED RELEASE ACTUATOR**
[54] **SYSTEME DE COUVRE-TONNEAU A VERROUS MONTES SUR UN RAIL LATERAL ET ACTIONNEUR DE DEGAGEMENT DE RENFORT ARRIERE**
[72] SPENCER, MICHAEL R., US
[72] COHOON, WILLIAM R., US
[73] TRUXEDO, INC., US
[86] (2974754)
[87] (2974754)
[22] 2017-07-26
[30] US (15/270,705) 2016-09-20

[11] **2,975,256**
[13] C
[51] **Int.Cl. G01H 11/08 (2006.01) G01M 3/24 (2006.01)**
[25] EN
[54] **PIEZOELECTRIC ULTRASONIC DETECTOR**
[54] **DETECTEUR ULTRASONORE PIEZOELECTRIQUE**
[72] GRANT, MICHAEL ETHAN, US
[72] CUTLER, JEFFREY, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2017-07-27
[86] 2016-01-29 (PCT/US2016/015517)
[87] (WO2016/126533)
[30] US (62/111,407) 2015-02-03

[11] **2,975,482**
[13] C
[51] **Int.Cl. H02M 7/217 (2006.01) H02M 7/06 (2006.01)**
[25] EN
[54] **WIDE RANGE AC/DC CONVERTER CIRCUIT**
[54] **CIRCUIT CONVERTISSEUR C.A./C.C. DE GRANDE PORTEE**
[72] XIONG, TOM, CN
[72] ZHONG, KEVIN, CN
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2975482)
[87] (2975482)
[22] 2017-08-03
[30] US (15/249,709) 2016-08-29

[11] **2,975,550**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/95 (2019.01)**
[25] EN
[54] **BROWSER EXTENSION FOR FIELD DETECTION AND AUTOMATIC POPULATION**
[54] **EXTENSION DE NAVIGATEUR DESTINEE A LA DETECTION SUR PLACE ET AU REMPLISSAGE AUTOMATIQUE**
[72] TRIVEDI, DWIJ, US
[72] DE GANON, MATTHEW, US
[72] ARORA, KUNAL, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (2975550)
[87] (2975550)
[22] 2017-08-04
[30] US (62/371,276) 2016-08-05

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[13] C
[51] **Int.Cl. A01N 37/16 (2006.01) A01N 25/14 (2006.01) A01N 43/54 (2006.01) A01N 61/00 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **COMPOSITION OF PERACETIC ACID AND AT LEAST ONE ORGANIC FUNGICIDE FOR THE CONTROL OF PATHOGENS IN AND ONTO GROWING PLANTS**
[54] **COMPOSITION D'ACIDE PERACETIQUE ET D'AU MOINS UN FONGICIDE ORGANIQUE POUR LA LUTTE CONTRE DES AGENTS PATHOGENES DANS DES PLANTES EN CROISSANCE ET SUR CELLES-CI**
[72] DAGHER, FADI, CA
[72] DILLON, NICHOLAS, CA
[72] WHITESIDES, STEVEN KENT, CA
[72] MATHIEU, JOHANNES, CA
[73] ATOMES BIO INC., CA
[85] 2017-08-02
[86] 2016-02-16 (PCT/CA2016/050137)
[87] (WO2016/131133)
[30] US (62/118,249) 2015-02-19

[11] **2,975,788**
[13] C
[51] **Int.Cl. G01N 21/64 (2006.01) B07C 5/342 (2006.01) B29B 17/02 (2006.01) G01J 3/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IDENTIFYING PLASTICS AND/OR THE ADDITIVES THEREIN**
[54] **PROCEDE ET DISPOSITIF PERMETTANT L'IDENTIFICATION DE MATIERES PLASTIQUES ET/OU DE LEURS ADDITIFS**
[72] KRIEG, GUNTHER, DE
[72] FEY, DIRK, FR
[72] BOHLEBER, JUERGEN, DE
[72] LANGHALS, HEINZ, DE
[72] SCHLUECKER, THORBEN, DE
[72] ZGELA, DOMINIK, DE
[73] UNISENSOR SENSORSYSTEME GMBH, DE
[85] 2017-08-03
[86] 2016-02-05 (PCT/DE2016/200076)
[87] (WO2016/124197)
[30] DE (10 2015 001 524.9) 2015-02-06
[30] DE (10 2015 001 525.7) 2015-02-06
[30] DE (10 2015 001 523.0) 2015-02-06
[30] DE (10 2015 001 522.2) 2015-02-06

[11] **2,975,886**
[13] C
[51] **Int.Cl. A61M 25/10 (2013.01) A61B 17/22 (2006.01) A61B 17/3207 (2006.01)**
[25] EN
[54] **INSERTABLE MEDICAL DEVICE SYSTEM WITH PLAQUE TREATMENT PORTION AND METHODS OF USING**
[54] **SYSTEME DE DISPOSITIF MEDICAL INSERABLE COMPRENANT UNE PARTIE DE TRAITEMENT DE PLAQUES ET PROCEDES D'UTILISATION**
[72] OLSON, CHARLIE, US
[73] SURMODICS, INC., US
[85] 2017-08-03
[86] 2016-02-25 (PCT/US2016/019559)
[87] (WO2016/138260)
[30] US (62/121,349) 2015-02-26

[11] **2,976,186**
[13] C
[51] **Int.Cl. G06Q 30/0207 (2023.01) H04W 4/12 (2009.01) H04W 4/021 (2018.01) H04W 4/33 (2018.01) G06Q 10/0639 (2023.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONSUMER AWARD PROGRAM FOR WASHROOM USAGE**
[54] **PROCEDE ET SYSTEME POUR UN PROGRAMME DE RECOMPENSE DE CONSOMMATEUR POUR L'UTILISATION DE CABINETS DE TOILETTE**
[72] DUNBAR, CHARLENE, US
[72] MOEDE, WARREN, US
[72] SHEEHAN, CHRISSY, US
[72] SHIPP, PETER W., JR, US
[72] BECKER, STEPHEN, US
[72] KIRKLAND, JASON, US
[72] SCHULZ, THOMAS H., US
[72] TRAMONTINA, PAUL F., US
[72] ZIELINSKI, MATTHEW T., US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2017-08-09
[86] 2015-02-25 (PCT/US2015/017493)
[87] (WO2016/137458)

[11] **2,976,258**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRIAZOLOPYRIDINES AND TRIAZOLOPYRIMIDINES THAT LOWER STRESS-INDUCED P-TAU**
[54] **TRIAZOLOPYRIDINES ET TRIAZOLOPYRIMIDINES QUI ABAISSENT LA P-TAU PROVOQUEE PAR LE STRESS**
[72] JOHN, VARGHESE, US
[72] BREDESEN, DALE E., US
[73] BUCK INSTITUTE FOR RESEARCH ON AGING, US
[85] 2017-08-09
[86] 2016-02-17 (PCT/US2016/018305)
[87] (WO2016/134042)
[30] US (62/117,888) 2015-02-18

[11] **2,977,138**
[13] C
[51] **Int.Cl. H04R 1/02 (2006.01)**
[25] EN
[54] **SPEAKER MOUNT AND ASSEMBLY AND METHOD OF DISENGAGEMENT THEREOF**
[54] **DISPOSITIF D'INSTALLATION DE HAUT-PARLEUR ET METHODE DE DEGAGEMENT DUDIT DISPOSITIF**
[72] HART, JONATHAN NEIL, US
[73] SWARM HOLDINGS LLC, US
[86] (2977138)
[87] (2977138)
[22] 2017-08-23
[30] US (15/245,429) 2016-08-24

[11] **2,977,201**
[13] C
[51] **Int.Cl. H04N 21/242 (2011.01) H04H 20/18 (2009.01) H04N 21/435 (2011.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION, ET PROCEDE DE RECEPTION**
[72] MICHAEL, LACHLAN BRUCE, JP
[72] TAKAHASHI, KAZUYUKI, JP
[72] OKADA, SATOSHI, JP
[73] SONY CORPORATION, JP
[85] 2017-08-18
[86] 2016-02-22 (PCT/JP2016/055041)
[87] (WO2016/140089)
[30] JP (2015-042247) 2015-03-04

[11] **2,977,549**
[13] C
[51] **Int.Cl. C01F 7/42 (2022.01) C01F 7/00 (2022.01) C01F 7/02 (2022.01) C01F 7/30 (2022.01)**
[25] EN
[54] **PROCESS FOR MAKING HIGH-PURITY ALUMINUM OXIDE**
[54] **PROCEDE DE FABRICATION D'OXYDE D'ALUMINIUM DE PURETE ELEVEE**
[72] NICHOL, SCOTT, CA
[72] SMITH, DANIEL, CA
[73] POLAR SAPPHIRE LTD., CA
[85] 2017-08-23
[86] 2016-02-12 (PCT/CA2016/050131)
[87] (WO2016/134455)
[30] US (62/119,402) 2015-02-23

[11] **2,977,685**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61K 38/46 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **HOMOLOGOUS RECOMBINATION FACTORS**
[54] **FACTEURS DE RECOMBINAISON HOMOLOGUE**
[72] DUROCHER, DANIEL, CA
[72] NOORDERMEER, SYLVIE, CA
[72] ORTHWEIN, ALEXANDRE, CA
[73] SINAI HEALTH SYSTEM, CA
[85] 2017-08-24
[86] 2016-03-01 (PCT/CA2016/000057)
[87] (WO2016/138574)
[30] US (62/127,013) 2015-03-02
[30] US (62/222,542) 2015-09-23

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[54] **METHODE ET APPAREIL REFROIDISSEUR DE FLUIDE HYBRIDE**
[72] STRATMAN, JASON, US
[73] SPX COOLING TECHNOLOGIES, INC., US
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[54] **AROMATIC TETRAHEDRAL BORATE COMPOUNDS FOR LUBRICATING COMPOSITIONS**
[54] **COMPOSES BORATES TETRAEDRIQUES AROMATIQUES POUR COMPOSITIONS LUBRIFIANTES**
[72] BURRINGTON, JAMES D., US
[72] DELBRIDGE, EWAN, US
[72] ZHANG, YANSHI, US
[72] PUDELSKI, JOHN K., US
[73] THE LUBRIZOL CORPORATION, US
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[54] **SYSTEMS AND METHODS FOR DISCONNECTING A DC LOAD FROM A DC POWER SOURCE**
[54] **SYSTEMES ET PROCEDES POUR DECONNEXION D'UNE CHARGE A CC D'UNE SOURCE D'ALIMENTATION A CC**
[72] ANDREWS, MICHAEL, CA
[73] TIGER TOOL INTERNATIONAL INCORPORATED, CA
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[54] **FUSED BICYCLIC HETEROARYL DERIVATIVES HAVING ACTIVITY AS PHD INHIBITORS**
[54] **DERIVES HETEROARYLES BICYCLIQUES FUSIONNES AYANT UNE ACTIVITE D'INHIBITEURS DE PHD**
[72] AHMED, SALEH, GB
[72] BARKER, GREGORY, GB
[72] CANNING, HANNAH, GB
[72] DAVENPORT, RICHARD, GB
[72] HARRISON, DAVID, GB
[72] JENKINS, KERRY, GB
[72] LIVERMORE, DAVID, GB
[72] WRIGHT, SUSANNE, GB
[72] KINSELLA, NATASHA, GB
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[54] **METHOD OF PRODUCING METAL**
[54] **PROCEDE DE PRODUCTION DE METAL**
[72] DEANE, JAMES, GB
[73] METALYSIS LIMITED, GB
[85] 2017-09-08
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[54] **COMMUNICATION APPARATUS AND METHOD FOR SUPRESSING A DECREASE IN COMMUNICATION EFFICIENCY**
[54] **APPAREIL DE COMMUNICATION ET METHODE DE SUPPRESSION D'UNE DIMINUTION DE L'EFFICACITE DE COMMUNICATION**
[72] SUGAYA, SHIGERU, JP
[72] MORIOKA, YUICHI, JP
[72] ITAGAKI, TAKESHI, JP
[73] SONY CORPORATION, JP
[85] 2017-09-12
[86] 2016-04-19 (PCT/JP2016/062368)
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[25] EN
[54] **SOLID PHARMACEUTICAL FORMULATION OF PARP INHIBITORS AND THE USE THEREOF**
[54] **FORMULATION PHARMACEUTIQUE SOLIDE D'INHIBITEURS DE PARP ET UTILISATION ASSOCIEE**
[72] CAI, SUIXIONG, CN
[72] GUO, YUSHEN, CN
[73] IMPACT THERAPEUTICS (SHANGHAI), INC, CN
[85] 2017-10-03
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[54] **EVALUATION OF CAS9 MOLECULE/GUIDE RNA MOLECULE COMPLEXES**
[54] **EVALUATION DE COMPLEXES MOLECULE CAS9/MOLECULE D'ARN GUIDE**
[72] JAYARAM, HARIHARAN, US
[72] SELLECK, WILLIAM, JR., US
[73] EDITAS MEDICINE, INC., US
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[54] **SPORT BEVERAGES AND METHODS FOR THEIR PRODUCTION**
[54] **BOISSONS SPORTIVES ET PROCEDES DE PRODUCTION DE CELLES-CI**
[72] METHNER, FRANK-JURGEN, DE
[72] KUNZ, THOMAS, DE
[72] SEEWALD, TORSTEN, DE
[72] DESBROW, BEN, AU
[73] TECHNISCHE UNIVERSITAT BERLIN, DE
[73] GRIFFITH UNIVERSITY, AU
[85] 2017-10-17
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[54] **METHOD FOR PRODUCING LEVOGLUCOSENONE**
[54] **PROCEDE DE PRODUCTION DE LEVOGLUCOSENONE**
[72] CLARK, JAMES HANLEY, GB
[72] DE BRUYN, MARIO, GB
[72] BUDARIN, VITALIY LVOVICH, GB
[73] UNIVERSITY OF YORK, GB
[85] 2017-10-20
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[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING ITEMS FOR INTERNATIONAL DISTRIBUTION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'ARTICLES POUR DISTRIBUTION INTERNATIONALE**
[72] YEAGER, TERESA Y., US
[72] WILLIAMS, ARNEECE L., US
[72] DHURIA, NEENA, US
[73] UNITED STATES POSTAL SERVICE, US
[85] 2017-10-23
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[25] EN
[54] **PICOLINIC ACID HERBICIDE EMULSIFIABLE CONCENTRATE COMPRISING A PICOLINIC ACID HERBICIDE IN ACID FORM, AN AMIDE SOLVENT AND AN AMINE**
[54] **CONCENTRE EMULSIFIABLE D'HERBICIDE A L'ACIDE PICOLINIQUE COMPRENANT UN HERBICIDE A L'ACIDE PICOLINIQUE EN FORME ACIDE, UN SOLVANT D'AMIDE ET UNE AMINE**
[72] CHETTY, NIRISHA YELLAPAH, AU
[72] SPENCER, ALLAN, AU
[72] SAYER, CHAD RICHARD ORD, AU
[73] NUFARM AUSTRALIA LIMITED, AU
[85] 2017-11-07
[86] 2016-05-06 (PCT/AU2016/050337)
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[51] **Int.Cl. C07D 215/36 (2006.01)**
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[54] **SUBSTITUTED TETRAHYDROQUINOLINONE COMPOUNDS AS ROR GAMMA MODULATORS**
[54] **COMPOSES TETRAHYDROQUINOLINONE SUBSTITUES EN TANT QUE MODULATEURS DE ROR GAMMA**
[72] KOTRABASAIAH UJJINAMATADA, RAVI, IN
[72] PANDIT, CHETAN, IN
[73] AURIGENE ONCOLOGY LIMITED, IN
[85] 2017-11-09
[86] 2016-05-13 (PCT/IB2016/052773)
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[51] **Int.Cl. H04N 21/61 (2011.01)**
[25] EN
[54] **VOICE/MANUAL ACTIVATED AND INTEGRATED AUDIO/VIDEO MULTI-MEDIA, MULTI-IN TERFACE SYSTEM**
[54] **SYSTEME MULTI-INTERFACE, MULTI-SUPPORT AUDIO/VIDEO ACTIVE VOCALEMENT/MANUELLEMEN T ET INTEGRE**
[72] MATHURIN, TREVOR, US
[73] MATHURIN, TREVOR, US
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[25] EN
[54] **PHARMACEUTICAL FORMULATION FOR THE TREATMENT OF INFLAMMATORY CHANGES TO THE RECTUM**
[54] **FORMULATION PHARMACEUTIQUE POUR LE TRAITEMENT DE MODIFICATIONS INFLAMMATOIRES DU RECTUM**
[72] WILHELM, RUDOLPH, DE
[72] PROLS, MARKUS, DE
[72] GREINWALD, ROLAND, DE
[72] MOHRBACHER, RALF, DE
[73] DR. FALK PHARMA GMBH, DE
[85] 2017-11-15
[86] 2016-06-28 (PCT/EP2016/064907)
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[51] **Int.Cl. A61K 31/353 (2006.01) A61P 13/12 (2006.01) A61P 39/06 (2006.01)**
[25] EN
[54] **COMPOUND FOR THE PROPHYLAXIS OR TREATMENT OF ORGAN DAMAGE**
[54] **COMPOSE POUR LA PROPHYLAXIE OU LE TRAITEMENT DE LESION D'ORGANE**
[72] VAN DER GRAAF, ADRIANUS CORNELIS, NL
[72] HENNING, ROBERT HENK, NL
[72] DEELMAN, LEO EDWIN, NL
[72] EUVERINK, GERRIT JAN WILLEM, NL
[73] SULFATEQ B.V., NL
[85] 2017-11-17
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[30] NL (2014843) 2015-05-22

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[51] **Int.Cl. B60N 3/02 (2006.01)**
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[54] **INTERLOCKING STRAP CLAMP**
[54] **PINCE DE SANGLE BLOQUANTE**
[72] STRONG, SCOTT, CA
[72] KLINCK, MICHAEL, CA
[73] AMATRIMARA INC. C.O.B. RIVER DRIVE MANUFACTURING, CA
[86] (2986996)
[87] (2986996)
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[25] EN
[54] **ENHANCING THE THERAPEUTIC ACTIVITY OF AN IMMUNE CHECKPOINT INHIBITOR**
[54] **AMELIORATION DE L'ACTIVITE THERAPEUTIQUE D'UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE**
[72] BROOKS, PETER C., US
[72] CARON, JENNIFER M., US
[72] CONTOIS, LIANGRU, US
[73] MAINEHEALTH, US
[85] 2017-11-23
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[25] EN
[54] **TUNABLE OPTICAL DEVICE, TUNABLE LIQUID CRYSTAL LENS ASSEMBLY AND IMAGING SYSTEM USING SAME**
[54] **DISPOSITIF OPTIQUE ACCORDABLE, ENSEMBLE DE LENTILLE A CRISTAUX LIQUIDES ACCORDABLE ET SYSTEME D'IMAGERIE LES UTILISANT**
[72] GALSTIAN, TIGRAN, CA
[72] SAGHATELYAN, ARMEN, CA
[72] BAGRAMYAN, ARUTYUN, CA
[73] UNIVERSITE LAVAL, CA
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[25] EN
[54] **DIAGNOSTIC IMAGING AGENT FOR EARLY BONE METASTASIS FROM CANCER**
[54] **AGENT D'IMAGERIE DIAGNOSTIQUE POUR METASTASE OSSEUSE PRECOCE DE CANCER**
[72] OKA, SHUNTARO, JP
[72] KANAGAWA, MASARU, JP
[72] OTAKA, AKIHARU, JP
[72] TERAMACHI, MASAKO, JP
[72] WATANABE, SATOSHI, JP
[72] NAGATOMO, TOSHIE, JP
[73] NIHON MEDI-PHYSICS CO., LTD., JP
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[25] EN
[54] **3,3-DIFLUOROPIPERIDINE CARBAMATE HETEROCYCLIC COMPOUNDS AS NR2B NMDA RECEPTOR ANTAGONISTS**
[54] **COMPOSES HETEROCYCLIQUES 3,3-DIFLUOROPIPERIDINE CARBAMATE UTILISES EN TANT QU'ANTAGONISTES DES RECEPTEURS NMDA NR2B**
[72] SHAPIRO, GIDEON, US
[73] RUGEN HOLDINGS (CAYMAN) LIMITED, KY
[85] 2017-11-28
[86] 2016-05-31 (PCT/US2016/035098)
[87] (WO2016/196513)
[30] US (62/169,107) 2015-06-01

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[54] **SYSTEMS AND METHODS FOR RELATING CONFIGURATION DATA TO IP CAMERAS**
[54] **SYSTEMES ET METHODES DE MISE EN RELATION DE DONNEES DE CONFIGURATION ET DE CAMERAS IP**
[72] YU, YUNFENG, US
[72] YAN, WENBIN, US
[72] GUO, ZHENXING, US
[73] ADEMCO INC., US
[86] (2987758)
[87] (2987758)
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[25] EN
[54] **ANTIMICROBIAL AND AGROCHEMICAL COMPOSITIONS**
[54] **COMPOSITIONS AGROCHIMIQUES ET ANTIMICROBIENNES**
[72] HALL, TONY JOHN, GB
[72] GURR, SARAH, GB
[73] VM AGRITECH LIMITED, GB
[85] 2017-11-29
[86] 2016-06-07 (PCT/US2016/036194)
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[30] US (62/172,501) 2015-06-08

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[54] **NEUTRALIZING ANTI-INFLUENZA BINDING MOLECULES AND USES THEREOF**
[54] **MOLECULES DE LIAISON ANTI-GRIPPALES NEUTRALISANTES ET UTILLISATIONS CORRESPONDANTES**
[72] KALLEWAARD-LELAY, NICOLE, US
[72] ZHU, QING, US
[72] RAINEY, GODFREY JONAH, US
[72] GAO, CUIHUA, US
[72] KASTURIRANGAN, SRINATH, US
[72] GAO, CHANGSHOU, US
[73] MEDIMMUNE, LLC, US
[85] 2017-11-16
[86] 2016-05-31 (PCT/US2016/035026)
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[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HARVESTING BIOLOGICAL TISSUE**
[54] **PROCEDE ET SYSTEME DE PRELEVEMENT DE TISSU BIOLOGIQUE**
[72] GUILES, MARVIN A., US
[72] LABOMBARD, DENIS, US
[72] SIDOTI, CHARLES, US
[72] LEVIN, PHIL, US
[72] SWYST, THOMAS, US
[72] SABIR, SAMEER, US
[73] MEDLINE INDUSTRIES, LP, US
[85] 2017-11-30
[86] 2016-04-21 (PCT/US2016/028542)
[87] (WO2016/172278)
[30] US (62/151,209) 2015-04-22
[30] US (14/958,322) 2015-12-03
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[51] **Int.Cl. C08L 89/04 (2006.01) A61K 35/618 (2015.01) A61L 24/00 (2006.01) A61L 27/36 (2006.01) A61L 27/42 (2006.01) A61L 27/58 (2006.01) C08K 3/26 (2006.01)**
[25] FR
[54] **SEMI-SYNTHETIC POWDER MATERIAL, OBTAINED BY MODIFYING THE COMPOSITION OF A NATURAL MARINE BIOMATERIAL, METHOD FOR PRODUCING SAME, AND APPLICATIONS THEREOF**
[54] **MATERIAU SEMI-SYNTHETIQUE PULVERULENT, OBTENU PAR MODIFICATION DE LA COMPOSITION D'UN BIOMATERIAU NATUREL MARIN, SON PROCEDE DE FABRICATION, SES APPLICATIONS**
[72] CAMPRASSE, GEORGES, FR
[72] CAMPRASSE, SERGE, FR
[73] MBP (MAURITIUS) LTD, MU
[85] 2017-12-08
[86] 2016-06-20 (PCT/FR2016/051497)
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[51] **Int.Cl. B01D 24/04 (2006.01) B01D 24/46 (2006.01)**
[25] EN
[54] **MULTI-MEDIA CLARIFICATION SYSTEMS AND METHODS**
[54] **SYSTEME ET METHODES DE CLARIFICATION MULTIMEDIA**
[72] ST. GERMAIN, DARIN LYNN, US
[72] FARRELL, JONATHAN BAY, US
[72] PRIMROSE, BRIAN LEE, US
[72] CHRISTIANSON, DARRELL WAYNE, US
[73] WESTECH ENGINEERING, LLC, US
[86] (2990036)
[87] (2990036)
[22] 2017-12-21
[30] US (15/836,628) 2017-12-08

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[54] **UTRS INCREASING THE TRANSLATION EFFICIENCY OF RNA MOLECULES**
[54] **REGIONS NON TRADUITES (UTR) AUGMENTANT L'EFFICACITE DE TRADUCTION DES MOLECULES D'ARN**
[72] RUDOLPH, CARSTEN, DE
[72] ANEJA, MANISH KUMAR, DE
[72] FERIZI, MEHRIJE, DE
[72] GEIGER, JOHANNES, DE
[73] ETHRIS GMBH, DE
[85] 2017-12-27
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[30] EP (15174683.1) 2015-06-30

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[25] EN
[54] **DELIVERY SYSTEMS FOR PROPOFOL**
[54] **SYSTEMES D'ADMINISTRATION POUR LE PROPOFOL**
[72] GARTI, NISSIM, IL
[72] GARTI LEVI, SHARON, IL
[72] ASERIN, ABRAHAM, IL
[72] PERLSTEIN, MY, IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD, IL
[85] 2017-12-27
[86] 2016-06-29 (PCT/IL2016/050696)
[87] (WO2017/002117)
[30] US (62/187,309) 2015-07-01

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[13] C
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 21/62 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF SECURE PROVENANCE FOR DISTRIBUTED TRANSACTION DATABASES**
[54] **SYSTEMES ET PROCEDES DE PROVENANCE SECURISEE POUR DES BASES DE DONNEES DE TRANSACTIONS DISTRIBUEES**
[72] ZINDER, ALEX, US
[73] NASDAQ, INC., US
[85] 2018-01-02
[86] 2016-07-01 (PCT/US2016/040711)
[87] (WO2017/004527)
[30] US (62/188,422) 2015-07-02
[30] US (62/270,560) 2015-12-21

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[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **ONLINE TRANSACTION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-19
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[54] **METHODS AND APPARATUS FOR PAIRING ROD PUMP CONTROLLER POSITION AND LOAD VALUES**
[54] **PROCEDES ET APPAREIL D'APPARIEMENT DE VALEURS DE POSITION ET DE CHARGE COMMANDE DE POMPE A TIGE**
[72] MILLS, THOMAS MATTHEW, US
[73] BRISTOL, INC., D/B/A REMOTE AUTOMATION SOLUTIONS, US
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[25] EN
[54] **HIGH-SPEED OPTICAL COHERENCE TOMOGRAPHY USING MULTIPLE INTERFEROMETERS WITH SUPPRESSED MULTIPLE SCATTERING CROSS-TALK**
[54] **TOMOGRAPHIE PAR COHERENCE OPTIQUE A GRANDE VITESSE UTILISANT DE MULTIPLES INTERFEROMETRES AVEC SUPPRESSION DE DIAPHONIE DE DIFFUSION MULTIPLE**
[72] MARGALLO BALBAS, EDUARDO, ES
[72] RUBIO GIVERNAU, JOSE LUIS, ES
[73] MEDLUMICS S.L., ES
[85] 2018-01-22
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[25] EN
[54] **MODIFIED NATURAL KILLER CELLS AND NATURAL KILLER CELL LINES HAVING INCREASED CYTOTOXICITY**
[54] **CELLULES TUEUSES NATURELLES ET LIGNEES DE CELLULES TUEUSES NATURELLES MODIFIEES PRESENTANT UNE CYTOTOXICITE ACCRUE**
[72] O'DWYER, MICHAEL EAMON PETER, IE
[73] ONK THERAPEUTICS LIMITED, IE
[85] 2018-01-25
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[54] **MONOCLONAL ANTIBODIES SPECIFICALLY FOR THE ANTIGEN P OF THE HUMAN RESPIRATORY SYNCYTIAL VIRUS, PRODUCED AND SECRETED BY THE CELLS HYBRIDOMAS, USEFUL FOR DETECTION AND DIAGNOSTIC OF THE INFECTION CAUSED BY RSV.**
[54] **ANTICORPS MONOCLONAUX SPECIFIQUEMENT POUR L'ANTIGENE P DU VIRUS RESPIRATOIRE SYNCYTIAL HUMAIN PRODUIT ET SECRETE PAR LES HYBRIDOMES, UTILES POUR LA DETECTION ET LE DIAGNOSTIC DE L'INFECTION CAUSEE PAR VIRUS RESPIRATOIRE SYNCYTIAL**
[72] BUENO RAMIREZ, SUSAN MARCELA, CL
[72] KALERGIS PARRA, ALEXIS MIKES, CL
[72] MORA ALARCON, JORGE EUGENIO, CL
[73] PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE, CL
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[54] **PURGING SYSTEM FOR A LASER SYSTEM**
[54] **SYSTEME DE PURGE POUR SYSTEME LASER**
[72] MAKER, GARETH THOMAS, GB
[72] MUNRO, SIMON, GB
[73] M SQUARED LASERS LIMITED, GB
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[54] **SURFACE-WAVE ANTENNA, ANTENNA ARRAY AND USE OF AN ANTENNA OR AN ANTENNA ARRAY**
[54] **ANTENNE A ONDES DE SURFACE, RESEAU D'ANTENNES ET UTILISATION D'UNE ANTENNE OU D'UN RESEAU D'ANTENNES**
[72] BELLEC, MATHILDE, FR
[72] LAURENT, JEAN-YVES, FR
[72] PALUD, SEBASTIEN, FR
[72] JEZEQUEL, PIERRE-YVES, FR
[72] COLOMBEL, FRANCK, FR
[72] AVRILLON, STEPHANE, FR
[73] TDF, FR
[73] UNIVERSITE DE RENNES, FR
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[54] **SYSTEMS AND METHODS FOR SMART HOME DATA STORAGE**
[54] **SYSTEMES ET PROCEDES DE MEMORISATION DE DONNEES DE MAISON INTELLIGENTE**
[72] EYRING, MATTHEW J., US
[72] WARREN, JEREMY B., US
[72] NYE, JAMES ELLIS, US
[73] VIVINT, INC., US
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[54] **COMPOSITION OF CATALYSTS FOR CONVERSION OF ETHANOL TO N-BUTANOL AND HIGHER ALCOHOLS**
[54] **COMPOSITION DE CATALYSEURS POUR LA CONVERSION D'ETHANOL EN N-BUTANOL ET ALCOOLS A HAUT POIDS MOLECULAIRE**
[72] VICENTE, BRIAN CHRISTOPHER, US
[72] STOIMENOV, PETER K., US
[73] VIRIDIS CHEMICAL, LLC, US
[85] 2018-02-05
[86] 2016-08-19 (PCT/US2016/047805)
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[54] **DENSE ENVIRONMENTAL BARRIER COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT FORMANT UNE BARRIERE DENSE ISOLANT DE L'ENVIRONNEMENT**
[72] KIRBY, GLEN HAROLD, US
[72] WAN, JULIN, US
[72] RAMASAMY, SIVAKUMAR, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2018-02-08
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[54] **IONIZATION DETECTOR OF A COIL OF A SPARK PLUG BY SHORTING THE PRIMARY INDUCTANCE**
[54] **DETECTEUR D'IONISATION D'UNE BOBINE DE BOUGIE D'ALLUMAGE EN COURT-CIRCUITANT L'INDUCTANCE PRIMAIRE**
[72] ZHU, GUOMING, US
[72] MORAN, KEVIN, US
[73] BOARD OF TRUSTEES OF MICHIGAN STATE UNIVERSITY, US
[85] 2018-02-13
[86] 2016-08-11 (PCT/US2016/046505)
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[25] EN
[54] **LYSOBACTIN FOR USE IN THE TREATMENT OF BOVINE MASTITIS**
[54] **LYSOBACTINE DESTINEE A ETRE UTILISEE POUR LE TRAITEMENT DE LA MAMMITE BOVINE**
[72] SCHIFFER, GUIDO, DE
[72] FALKER, STEFAN, DE
[72] DAUBE, GERT, DE
[72] FRAATZ, KRISTINE, DE
[72] WIEHL, WOLFGANG, DE
[72] KOBBERLING, JOHANNES, DE
[73] BAYER ANIMAL HEALTH GMBH, DE
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[54] **ACCELERATOR COMPOSITION FOR THE CURING OF CEMENT**
[54] **COMPOSITION D'ACCELERATEUR POUR LE DURCISSEMENT DU CIMENT**
[72] GAEDT, TORBEN, DE
[72] HESSE, CHRISTOPH, DE
[73] BASF SE, DE
[85] 2018-02-15
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[54] **INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS ET PROCEDE DE TRAITEMENT D'INFORMATIONS**
[72] ITAGAKI, TAKESHI, JP
[72] YAMAURA, TOMOYA, JP
[72] MORIOKA, YUICHI, JP
[73] SONY CORPORATION, JP
[85] 2018-02-16
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[25] EN
[54] **MODIFIED ONCOLYTIC VACCINIA VIRUSES EXPRESSING A CYTOKINE AND A CARBOXYLESTERASE AND METHODS OF USE THEREOF**
[54] **VIRUS DE LA VACCINE ONCOLYTIQUES MODIFIES EXPRIMANT UNE CYTOKINE ET UNE CARBOXYESTERASE ET LEURS PROCEDES D'UTILISATION**
[72] HWANG, TAE HO, KR
[72] LEE, NAM HEE, KR
[72] CHO, EUNA, KR
[73] SILLAJEN, INC., KR
[85] 2018-02-20
[86] 2016-09-02 (PCT/KR2016/009866)
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[54] **METHODS AND SYSTEMS FOR TREATING CARDIAC MALFUNCTION**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE DYSFONCTIONNEMENTS CARDIAQUES**
[72] MIKA, YUVAL, US
[72] SHERMAN, DARREN, US
[72] BURKHOFF, DANIEL, US
[73] BACKBEAT MEDICAL, LLC, US
[85] 2018-02-21
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[25] EN
[54] **SYSTEM AND METHOD FOR SYRINGE FLUID FILL VERIFICATION AND IMAGE RECOGNITION OF POWER INJECTOR SYSTEM FEATURES**
[54] **SYSTEME ET PROCEDE POUR LA VERIFICATION DU REMPLISSAGE PAR UN FLUIDE D'UNE SERINGUE ET DE RECONNAISSANCE D'IMAGE DE CARACTERISTIQUES D'UN SYSTEME D'INJECTEUR DE PUISSANCE**
[72] COWAN, KEVIN P., US
[72] SPOHN, MICHAEL A., US
[72] MCDERMOTT, MICHAEL, US
[72] GRUBIC, HERBERT M., US
[73] BAYER HEALTHCARE LLC, US
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[54] **ABRASIVE PERFORATOR WITH FLUID BYPASS**
[54] **PERFORATEUR ABRASIF A DEVIATION DE FLUIDE**
[72] SCHULTZ, ROGER L., US
[73] THRU TUBING SOLUTIONS, INC., US
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[25] EN
[54] **METHODS OF DIAGNOSING AND TREATING TOURETTE SYNDROME**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DU SYNDROME DE GILLES DE LA TOURETTE**
[72] HAKONARSON, HAKON, US
[72] KAO, CHARLLY, US
[73] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[85] 2018-02-28
[86] 2016-09-07 (PCT/US2016/050573)
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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] **8-[6-[3-(AMINO)PROPOXY]-3-PYRIDYL]-1 -ISOPROPYL-IMIDAZO[4,5-C]QUINOLIN-2-ONE DERIVATIVES AS SELECTIVE MODULATORS OF ATAXIA TELANGIECTASIA MUTATED (ATM) KINASE FOR THE TREATMENT OF CANCER**
[54] **DERIVES 8-[6-[3-(AMINO)PROPOXY]-3-PYRIDYL]-1-ISOPROPYL-IMIDAZO[4,5-C]QUINOLEIN-2-ONE UTILISES EN TANT QUE MODULATEURS SELECTIFS DE L'ATAXIE TELANGIECTASIE MUTEE (ATM) KINASE POUR LE TRAITEMENT DU CANCER**
[72] PIKE, KURT GORDON, GB
[72] BARLAAM, BERNARD CHRISTOPHE, GB
[72] HUNT, THOMAS ANTHONY, GB
[72] EATHERTON, ANDREW JOHN, GB
[73] ASTRAZENECA AB, SE
[85] 2018-03-05
[86] 2016-09-15 (PCT/EP2016/071782)
[87] (WO2017/046216)
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[51] **Int.Cl. H04W 72/00 (2023.01) H04W 52/32 (2009.01)**
[25] EN
[54] **CHANNEL CONFIGURATION FOR CO-EXISTENCE ON A SHARED COMMUNICATION MEDIUM**
[54] **CONFIGURATION DE CANAL POUR LA COEXISTENCE SUR UN SUPPORT DE COMMUNICATION PARTAGE**
[72] PATEL, CHIRAG SURESHBHAI, US
[72] LUO, TAO, US
[72] KADOUS, TAMER ADEL, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-03-05
[86] 2016-09-23 (PCT/US2016/053218)
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[25] EN
[54] **TEMPERATURE CONTROL DEVICE AND PROCESS CONTROL APPARATUS INCLUDING A TEMPERATURE CONTROL DEVICE**
[54] **DISPOSITIF DE REGULATION DE TEMPERATURE ET APPAREIL DE COMMANDE DE PROCESSUS COMPRENANT UN DISPOSITIF DE REGULATION DE TEMPERATURE**
[72] JACKSON, TRENTON F., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2018-03-21
[86] 2016-09-23 (PCT/US2016/053426)
[87] (WO2017/053786)
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[25] EN
[54] **NESTED MAGNETIC CONTROLS FOR INDUSTRIAL ENCLOSURES**
[54] **COMMANDES MAGNETIQUES IMBRIQUEES POUR ENCEINTES INDUSTRIELLES**
[72] FREER, BENJAMIN AVERY, US
[72] IANNCE, STEPHAN P., US
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[51] **Int.Cl. F28C 1/00 (2006.01) F24F 3/14 (2006.01) F24F 7/007 (2006.01) F28B 5/00 (2006.01)**
[25] EN
[54] **HYBRID WET/DRY COOLING TOWER AND IMPROVED FILL MATERIAL FOR COOLING TOWER**
[54] **TOUR DE REFROIDISSEMENT HYBRIDE HUMIDE/SECHE ET GARNITURE AMELIOREE POUR TOUR DE REFROIDISSEMENT**
[72] SEAWELL, JESSE Q., US
[72] DALEY, TOBY, US
[72] BLAND, JAMES A., US
[73] COMPOSITE COOLING SOLUTIONS, L.P., US
[85] 2018-03-22
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[54] **METHOD AND SYSTEM FOR GENERATING GEOPHYSICAL DATA**
[54] **PROCEDE ET SYSTEME POUR GENERER DES DONNEES GEOPHYSIQUES**
[72] AMUNDSEN, LASSE, NO
[72] ROBERTSSON, JOHAN OLOF ANDERS, CH
[73] EQUINOR ENERGY AS, NO
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[86] 2016-09-30 (PCT/NO2016/050197)
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[51] **Int.Cl. H01H 9/54 (2006.01) H01H 33/59 (2006.01) H02H 3/087 (2006.01)**
[25] EN
[54] **MECHATRONIC CIRCUIT-BREAKER DEVICE**
[54] **DISPOSITIF DISJONCTEUR MECATRONIQUE**
[72] DUPRAZ, JEAN-PIERRE, FR
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2018-03-29
[86] 2016-10-12 (PCT/EP2016/074513)
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[54] **PLATE MOUNT**
[54] **MONTURE DE PLAQUE**
[72] OETLINGER, FRANK E., US
[73] BLANKING SYSTEMS, INC., US
[85] 2018-03-29
[86] 2016-10-07 (PCT/US2016/055950)
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[51] **Int.Cl. F16B 5/02 (2006.01) F16B 12/02 (2006.01) F16B 12/10 (2006.01)**
[25] EN
[54] **THREE-SIDED CORNER ASSEMBLY**
[54] **ENSEMBLE COIN A TROIS COTES**
[72] OETLINGER, FRANK E., US
[73] BLANKING SYSTEMS, INC., US
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[54] **INTRAVASCULAR IMAGING SYSTEM AND METHODS TO DETERMINE CUT PLANE VIEW ANGLE OF SIDE BRANCH**
[54] **SYSTEME D'IMAGERIE INTRAVASCULAIRE ET PROCEDES POUR DETERMINER L'ANGLE DE VUE DU PLAN DE COUPE D'UNE RAMIFICATION LATERALE**
[72] GOPINATH, AJAY, US
[72] KHAN, SUBHAN, US
[72] DION, DENIS, US
[73] LIGHTLAB IMAGING, INC., US
[85] 2018-04-03
[86] 2016-10-10 (PCT/US2016/056216)
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[30] US (62/241,056) 2015-10-13
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[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING SECURE ELECTRONIC TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES POUR FACILITER DES TRANSACTIONS ELECTRONIQUES SECURISEES**
[72] COLHOUN, GRANT, CA
[72] FARAGO, DAVID, CA
[72] KENDALL, NOEL, CA
[73] COLHOUN, GRANT, CA
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[54] **PROCEDES ET DISPOSITIFS D'AUTO-ETALONNAGE DE GRADATEURS DE LUMIERE**
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[72] HOLSCHER, THOMAS, US
[72] ENGLE, JOSEPH, US
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[54] **METHODS FOR DETERMINING A COMMUNICATION TIME DELAY IN A COMMUNICATION NETWORK**
[54] **METHODES DE DETERMINATION D'UNE TEMPORISATION DE COMMUNICATION DANS UN RESEAU DE COMMUNICATION**
[72] SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN, GB
[72] HA, HENGXU, GB
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
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[73] UNIVERSITY OF ESSEX ENTERPRISE LIMITED, GB
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[54] **SYSTEME DE PRODUCTION DE RADIOISOTOPE AU MOYEN D'UN DIVISEUR DE FAISCEAU D'ELECTRONS**
[72] DE JAGER, PIETER WILLEM HERMAN, NL
[72] BIJLSMA, SIPKE JACOB, NL
[72] FRIJNS, OLAV WALDEMAR VLADIMIR, NL
[72] NIKIPELOV, ANDREY ALEXANDROVICH, NL
[72] TEN KATE, NICOLAAS, NL
[72] DERKSEN, ANTONIUS THEODORUS ANNA MARIA, NL
[72] VERSPAY, JACOBUS JOHANNUS LEONARDUS HENDRICUS, NL
[72] LANSBERGEN, ROBERT GABRIEL MARIA, NL
[72] KASTELIJN, AUKJE ARIANNE ANNETTE, NL
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[54] **POLYURETHANE THERMOPLASTIQUE CRISTALLIN A MODULE ELEVE**
[72] LU, QIWEI, US
[72] FARKAS, JULIUS, US
[72] MAKADIA, CHETAN M., US
[72] JING, ALEXANDER JIAOKAI, US
[73] LUBRIZOL ADVANCED MATERIALS, INC., US
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[54] **SYSTEMES ET PROCEDES DE GESTION DE LIVRAISON POUR DISTRIBUTION POUR LA DISTRIBUTION SANS INVENTAIRE**
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[72] MERIANS, RICHARD, US
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[73] DELIVERIGHT LOGISTICS, INC., US
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[54] **COMPOSITIONS D'ECRITURE A REVELATION DE COULEUR ET INSTRUMENTS D'ECRITURE**
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[72] BEDOYA, VICTOR H., US
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[54] **UTILISATION D'ENSEMBLE DE DONNEES D'ENTREE DIRECTES DESTINE A L'APPLICATION SIMULTANEE DE PLUSIEURS ENSEMBLES DE REGLES DE CALCUL SEPAREES POUR OBTENIR PLUSIEURS RESULTATS**
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[72] BARGAR, MICHAEL, US
[73] COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION, US
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[54] **COMPOSES HETEROCYCLIQUES POUR L'INHIBITION ET LE TRAITEMENT DES MALADIES MEDIEES PAR SPHINGOSINE-1-PHOSPHATE**
[72] MOHAN, RAJU, US
[72] HARRIS, JASON, US
[72] NUSS, JOHN, US
[73] OPPILAN PHARMA LTD., GB
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[54] **PRODUCTION DE PROTEINES RECOMBINANTES N-DEGLYCOSYLEES IN VIVO PAR L'EXPRESSION CONJOINTE AVEC L'ENDOGLYCOSIDASE H**
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[72] FOUCHARD, DAVID MARC DANIEL, US
[73] CHAMPIONX LLC, US
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[54] **PROCEDE DE PRODUCTION D'UN PRODUIT DE TABAC A PRISER ORAL EN SACHET**
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[73] SWEDISH MATCH NORTH EUROPE AB, SE
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[54] **REPRESSEURS DU RECEPTEUR OESTROGENIQUE SELECTIFS A BASE DE BENZOTHIOPHENE**
[72] THATCHER, GREGORY R., US
[72] XIONG, RUI, US
[72] ZHAO, JIONG, US
[72] TONETTI, DEBRA A., US
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[54] **TETE DE BALAI A LAVER ET APPAREIL D'ESSORAGE AUTOMATIQUE DE BALAI A LAVER, ET ENSEMBLE ET PROCEDE D'ESSORAGE D'UN BALAI A LAVER**
[72] LECOMPTE, PHILLIP, US
[72] STEWART, KRISTIN, US
[73] MICRONOVA MANUFACTURING, INC., US
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[72] HONG, XIN, US
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[72] MAZEL, CHRISTELLE, FR
[72] MEYER, MATTHIAS, DE
[72] CHARRIER, DIMITRI, FR
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[54] **SYSTEME DE CHENILLE POUR LA TRACTION D'UN VEHICULE**
[72] THOMPSON, RONALD H., US
[72] ZUCHOSKI, JEREMIE, CA
[73] CAMSO INC., CA
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[54] **SYSTEMES ET PROCEDES POUR ANALYSER UN ECHANTILLON ET SURVEILLER LA PERFORMANCE DE DETECTEUR DE SIGNAL OPTIQUE**
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[72] RAGHUWANSHI, SRAJAN, US
[72] BUI, JAMES, US
[73] GEN-PROBE INCORPORATED, US
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[54] **AMORCAGE IN VIVO DE CELLULES TUEUSES NATURELLES**
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[72] MOSS, DAVID, US
[73] IMMUNE VENTURES, LLC, US
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[54] **FEUILLE POLYMERE BIODEGRADABLE**
[72] ALKAHER, SHLOMO, IL
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[72] OPHIR, AMOS, IL
[72] DOTAN, ANA LEA, IL
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[54] **APPAREIL ET PROCEDE DE PRIORISATION D'ACCES ALEATOIRE DANS UN SYSTEME DE COMMUNICATION SANS FIL A UTILISATEURS MULTIPLES**
[72] CHITRAKAR, ROJAN, SG
[72] URABE, YOSHIO, JP
[72] HUANG, LEI, SG
[72] SIM, MICHAEL HONG CHENG, SG
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[73] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
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[72] MALLIK, SIDDHARTHA, US
[72] SUN, JING, US
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[72] YOO, TAESANG, US
[72] WEI, YONGBIN, US
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[54] **APPAREIL ET PROCEDE D'EGOUTTAGE DE VOILE FIBREUX**
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[72] HASSMAN, MARK JOHN, US
[72] BESAW, CRAIG STEVEN, US
[72] RAMAZANI-REND, REZA, US
[72] RUDOLPH, JASON MICHAEL, US
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[72] CHAI, LUCIA YIYI, US
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[54] **TRAITEMENT A HAUTE PRESSION CONTINU DE PRODUITS ALIMENTAIRES ET DE BOISSONS**
[72] MEHTA, ANISH, US
[72] SCHUBERT, HUBERTUS, US
[72] RAHMAN, MAMUNUR, US
[72] BAKR, SHUMI, US
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[54] **2-(MORPHOLIN-4-YL)-1,7-NAPHTHYRIDINES SUBSTITUEES EN 5**
[72] LUCKING, ULRICH, DE
[72] KOPPITZ, MARCUS, DE
[72] LEFRANC, JULIEN, DE
[72] WORTMANN, LARS, DE
[72] WENGNER, ANTJE MARGRET, DE
[72] SIEMEISTER, GERHARD, DE
[72] BOMER, ULF, DE
[72] BADER, BENJAMIN, DE
[72] LIENAU, PHILIP, DE
[72] SCHICK, HANS (DESEASED), DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **A SEABED SUPPORTED UNIT AND METHOD TO PROVIDE A SHALLOW WATER DRILLING TERMINAL**
[54] **UNITE SUPPORTEE SUR LE FOND MARIN ET PROCEDE POUR FOURNIR UN TERMINAL DE FORAGE D'EAU PEU PROFONDE**
[72] KJERSEM, GEIR LASSE, NO
[72] VARTDAL, HARALD, NO
[72] LIM, KWANG HENG, SG
[72] ONG, YEE CHIN MARY, SG
[72] KHOO, SENG YAU, SG
[73] SEATRIUM (SG) PTE. LTD., SG
[85] 2018-07-11
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[54] **ADJUSTABLE CORNER PAD AND METHOD OF USE**
[54] **PLAQUE DE COIN REGLABLE ET PROCEDE D'UTILISATION**
[72] KLING, WILLIAM W., US
[73] MASONITE CORPORATION, US
[85] 2018-07-12
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[25] EN
[54] **HEAT DISSIPATION APPARATUS AND METHODS FOR UV-LED PHOTOREACTORS**
[54] **APPAREIL ET PROCEDES DE DISSIPATION DE CHALEUR POUR PHOTO-REACTEURS A DEL UV**
[72] TAGHIPOUR, FARIBORZ, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-07-18
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[54] **RECOVERY OF A METAL FROM OXIDIZED ORES AND PRIMARY AND SECONDARY SULPHIDE ORES AND OTHER COMPOSITIONS OF VALUABLE ORE**
[54] **RECUPERATION D'UN METAL A PARTIR DE MINERAUX OXYDES ET DE MINERAUX SULFURES PRIMAIRES ET SECONDAIRES, ET AUTRES COMPOSITIONS DE MINERAUX PRECIEUX**
[72] GOMEZ VERDEJO, GUILLERMO SEBASTIAN, CL
[73] QUANTUM MATRIX SPA, CL
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[54] **ELECTRONIC DISTRIBUTION SYSTEM AND METHOD FOR COLLECTIBLE ITEMS**
[54] **PROCEDE ET SYSTEME DE DISTRIBUTION ELECTRONIQUE D'ARTICLES A COLLECTIONNER**
[72] MASHERAH, JASON, US
[72] SWIDERSKI, BENJAMIN, US
[73] THE UPPER DECK COMPANY, US
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[54] **A COMPOSITION FOR AIR POLISHING**
[54] **COMPOSITION POUR L'AERO-POLISSAGE**
[72] MAURAT, VINCENT, FR
[72] PIGERON, CLEMENCE, FR
[73] PRODUITS DENTAIRES PIERRE ROLLAND, FR
[85] 2018-07-30
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[25] EN
[54] **METHOD AND INSTALLATION FOR OBTAINING AN ETHYLENE PRODUCT IN A SUPERCRITICAL STATE**
[54] **PROCEDE ET INSTALLATION POUR L'OBTENTION D'UN PRODUIT D'ETHYLENE A L'ETAT SUPERCRITIQUE**
[72] HOFEL, TORBEN, DE
[72] KAMANN, MARTIN, DE
[72] SCHOLCH, MICHAEL, DE
[72] MCCRACKEN, SEAN, DE
[72] KUNKEL, JOSEF, DE
[72] KRACKER-SEMLER, GUNTHER, DE
[73] LINDE AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **ROTOR ASSEMBLY, METHOD, FEEDER DEVICE AND AGRICULTURAL IMPLEMENT FOR FEEDING GRANULAR OR POWDER MATERIAL**
[54] **ENSEMBLE ROTOR, PROCEDE, DISPOSITIF D'ALIMENTATION ET OUTIL AGRICOLE POUR FOURNIR UNE MATIERE GRANULAIRE OU EN POUDRE**
[72] GILSTRING, GERT, SE
[73] VADERSTAD HOLDING AB, SE
[85] 2018-08-07
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[25] EN
[54] **PROCESS FOR PREPARING A SILICONE ELASTOMER WITH HYDROPHILIC ACTIVES AND A PERSONAL CARE COMPOSITION CONTAINING THE ELASTOMER**
[54] **PROCEDE DE PREPARATION D'UN ELASTOMERE DE SILICONE CONTENANT DES AGENTS ACTIFS HYDROPHILES ET COMPOSITION DE SOINS D'HYGIENE PERSONNELLE CONTENANT L'ELASTOMERE**
[72] LIMER, ADAM JOHN, GB
[72] LOU, ANJING, US
[72] DOBKOWSKI, BRIAN JOHN, US
[72] ZHAO, WEI, CN
[72] SONG, WENHUI, CN
[73] UNILEVER GLOBAL IP LIMITED, GB
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[54] **WEAR ASSEMBLY FOR EARTH WORKING EQUIPMENT**
[54] **ENSEMBLE D'USURE POUR EQUIPEMENT DE DEBLAIEMENT DE TERRAIN**
[72] SNYDER, CHRISTOPHER D., US
[73] ESCO GROUP LLC, US
[85] 2018-08-08
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[54] **TRACKED VEHICLE WITH ADJUSTABLE TRACK SPACING**
[54] **VEHICULE A CHENILLES AVEC ESPACEMENT DE PISTE REGLABLE**
[72] KAUTSCH, DEWAINE, US
[72] LAUZIER, JONATHAN, CA
[72] DESLAURIERS, MICHEL, CA
[73] CAMSO INC., CA
[85] 2018-08-08
[86] 2017-02-08 (PCT/US2017/016980)
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[25] EN
[54] **METHOD FOR PRODUCING ACTIVATED HEPATOCYTE GROWTH FACTOR (HGF)**
[54] **PROCEDE DE PRODUCTION D'UN FACTEUR DE CROISSANCE HEPATOCYTAIRE (HGF) ACTIVE**
[72] SHIMIZU, MASASHI, JP
[72] SATO, TOSHITAKA, JP
[72] ARITA, YOSHIHISA, JP
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-08-13
[86] 2017-03-15 (PCT/JP2017/010355)
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[54] **THERMAL STABILIZATION OF INERTIAL MEASUREMENT UNITS**
[54] **STABILISATION THERMIQUE D'UNITES DE MESURE D'INERTIE**
[72] SOMMER, JEREMY SINCLAIR, US
[73] AGJUNCTION LLC, US
[85] 2018-08-17
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[25] EN
[54] **TI-CONTAINING FERRITIC STAINLESS STEEL SHEET HAVING GOOD TOUGHNESS, AND FLANGE**
[54] **TOLE D'ACIER INOXYDABLE FERRITIQUE CONTENANT DU TI AYANT UNE BONNE TENACITE, ET BRIDE**
[72] MITSUNAGA, SEIJI, JP
[72] EHARA, YASUHIRO, JP
[73] NIPPON STEEL STAINLESS STEEL CORPORATION, JP
[85] 2018-08-20
[86] 2017-02-07 (PCT/JP2017/004348)
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[51] **Int.Cl. B23C 1/20 (2006.01) B23C 3/12 (2006.01)**
[25] EN
[54] **PORTABLE RAIL WELD MILLING MACHINE APPARATUS AND METHODS OF USING THE SAME**
[54] **APPAREIL DE FRAISE PORTABLE POUR POINTS DE SOUDURE DE RAIL ET SES PROCEDES D'UTILISATION**
[72] KOSKI, KRISTOPHER, US
[72] STECK, KELLY, US
[73] HOLLAND, L.P., US
[85] 2018-08-20
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[51] **Int.Cl. E05D 15/06 (2006.01) E05F 5/00 (2017.01)**
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[54] **SOFT-STOP DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME D'ARRET EN DOUCEUR**
[72] TOMLINSON, WILLIAM HOLLAND, US
[73] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
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[54] **SOLVENT-FREE FORMULATIONS OF LOW-MELTING ACTIVE INGREDIENTS**
[54] **FORMULATIONS SANS SOLVANT DE SUBSTANCES ACTIVES A FAIBLE POINT DE FUSION**
[72] KRAUSE, JENS, DE
[72] ROCHLING, ANDREAS, DE
[72] KRUGER, JOACHIM, DE
[72] KRAUSE, HANS-PETER, DE
[72] RATSCHINSKI, ARNO, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
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[30] EP (16157517.0) 2016-02-26

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[51] **Int.Cl. G01N 1/40 (2006.01) G01N 33/48 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01) G01N 33/52 (2006.01)**
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[54] **MULTILAYER DEVICE FOR SEPARATING BLOOD COMPONENTS AND USES THEREOF**
[54] **DISPOSITIF MULTICOUCHE POUR SEPARER DES CONSTITUANTS SANGUINS ET SES UTILISATIONS**
[72] HENION, JOHN DEGREE, US
[72] RYONA, IMELDA, US
[72] BOWERS, LARRY DONALD, US
[73] PARTNERSHIP FOR CLEAN COMPETITION, US
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[54] **MANUAL LIFT SYSTEM FOR BED POWER ASSIST WHEEL**
[54] **SYSTEME ELEVATEUR MANUEL POUR ROUE D'ASSISTANCE ELECTRIQUE POUR LIT**
[72] WILSON, KEVIN, US
[72] DELLACA, THOMAS ANTHONY, US
[73] ARJO IP HOLDING AKTIEBOLAG, SE
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[54] **ENGINEERED TENDON GRAFT FOR ROTATOR CUFF REPAIR**
[54] **GREFFON DE TENDON MODIFIE POUR REPARATION DE COIFFE DES ROTATEURS**
[72] LARKIN, LISA M., US
[72] ARRUDA, ELLEN M., US
[72] SMIETANA, MICHAEL, US
[72] BEDI, ASHEESH, US
[72] NOVAKOVA, STOYNA, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
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[54] **METHODS OF FORMING IONICALLY CROSS-LINKED GELS**
[54] **PROCEDES DE FORMATION DE GELS RETICULES IONIQUEMENT**
[72] BASSETT, DAVID CHARLES, GB
[72] HATI, ARMEND GAZMENO, NO
[73] NORDOVO BIOSCIENCES AS, NO
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[54] **ONLINE TECHNIQUES FOR ASSESSING USER INTERFACE DEPLOYMENTS IN A NETWORK-BASED MEDIA SYSTEM**
[54] **TECHNIQUES EN LIGNE DESTINEES A ACCEDER AUX DEPLOIEMENTS D'INTERFACE UTILISATEUR DANS UN SYSTEME MULTIMEDIA BASE SUR UN RESEAU**
[72] GOMEZ-URIBE, CARLOS A., US
[73] NETFLIX, INC., US
[85] 2018-09-06
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[30] US (62/305,443) 2016-03-08
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[54] **IN VITRO METHOD FOR IDENTIFYING THORACIC AORTIC ANEURYSMS (TAA) IN A SUBJECT**
[54] **PROCEDE IN VITRO D'IDENTIFICATION D'ANEVRISMES DE L'AORTE THORACIQUE (AAT) CHEZ UN SUJET**
[72] REDONDO MOYA, JUAN MIGUEL, ES
[72] MENDEZ-BARBERO, NEREA, ES
[72] OLLER PEDROSA, JORGE, ES
[72] CAMPANERO GARCIA, MIGUEL RAMON, ES
[73] CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES CARLOS III (F.S.P.), ES
[73] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[73] UNIVERSIDAD AUTONOMA DE MADRID, ES
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[25] EN
[54] **DUAL SCRUBBER VEHICLE TREATMENT BRUSH ASSEMBLY**
[54] **ENSEMBLE DE BROSSES DE TRAITEMENT DE VEHICULE A DOUBLE BROSSEUSE**
[72] BELANGER, MICHAEL J., US
[72] KOTRYCH, JERRY A., US
[72] TOGNETTI, DAVID L., US
[73] WASHME PROPERTIES, LLC, US
[85] 2018-09-11
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[54] **OLIGOLACTIC ACID CONJUGATES AND MICELLES WITH ENHANCED ANTICANCER EFFICACY**
[54] **CONJUGUES D'ACIDE OLIGOLACTIQUE ET MICELLES PRESENTANT UNE EFFICACITE ANTICANCEREUSE AMELIOREE**
[72] KWON, GLEN S., US
[72] TAM, YU TONG, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[54] **MICRONEEDLE PATCH CASE**
[54] **BOITIER DE TIMBRE A MICRO-AIGUILLES**
[72] QUAN, YING-SHU, JP
[72] HIGUCHI, KIYOTSUNE, JP
[72] KAMIYAMA, FUMIO, JP
[73] COSMED PHARMACEUTICAL CO., LTD., JP
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[25] EN
[54] **GEOMETRICALLY COMPLEX INTRAVAGINAL RINGS, SYSTEMS AND METHODS OF MAKING THE SAME**
[54] **ANNEAUX VAGINAUX A GEOMETRIE COMPLEXE, ET SYSTEMES ET PROCEDES DE FABRICATION DE CES DERNIERS**
[72] BENHABBOUR, SOUMYA RAHIMA, US
[72] JANUSZIEWICZ, RIMA, US
[72] MECHAM, SUE J., US
[73] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
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[86] 2017-03-23 (PCT/US2017/023777)
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[54] **PYRIMIDINES AND VARIANTS THEREOF, AND USES THEREFOR**
[54] **PYRIMIDINES ET VARIANTS DE CELLES-CI, ET LEURS UTILISATIONS**
[72] HAWLEY, RONALD CHARLES, US
[72] IBRAHIM, PRABHA, US
[72] FORD, ANTHONY P., US
[72] GEVER, JOEL R., US
[73] AFFERENT PHARMACEUTICALS, INC., US
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[51] **Int.Cl. C07D 333/54 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING 5-(BROMOMETHYL)-1-BENZOTHIOPHENE**
[54] **PROCEDE DE PRODUCTION DE 5-(BROMOMETHYL)-1-BENZOTHIOPHENE**
[72] ISHIHARA, KENTARO, JP
[72] ARAI, TSUYOSHI, JP
[73] FUJIFILM CORPORATION, JP
[73] FUJIFILM TOYAMA CHEMICAL CO., LTD., JP
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[51] **Int.Cl. F42B 5/16 (2006.01) C06B 45/00 (2006.01) C06B 45/12 (2006.01)**
[25] EN
[54] **PROPELLANT CHARGE OR GRAIN**
[54] **BLOC OU GRAIN DE POUDRE**
[72] STRAATHOF, MICHIEL HANNES, NL
[72] VAN DRIEL, CHRISTOFFEL ADRIANUS, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
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[30] EP (16161643.8) 2016-03-22

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[13] C
[51] **Int.Cl. C10M 141/00 (2006.01) C10M 125/22 (2006.01) C10M 125/26 (2006.01) C10M 135/18 (2006.01) C10M 137/10 (2006.01) C10M 137/14 (2006.01) C10M 139/00 (2006.01) C10M 159/20 (2006.01)**
[25] EN
[54] **USE OF A MOLYBDENUM-CONTAINING ADDITIVE AND A BORON-CONTAINING ADDITIVE IN A LUBRICATING COMPOSITION FOR REDUCING LOW-SPEED PRE-IGNITION (LSPI) EVENTS IN A DIRECT-INJECTION SPARK-IGNITION COMBUSTION ENGINE**
[54] **UTILISATION D'UN ADDITIF CONTENANT DU MOLYBDENE ET D'UN ADDITIF CONTENANT DU BORE DANS UNE COMPOSITION DE LUBRIFICATION POUR REDUIRE LES EVENEMENTS DE PREALLUMAGE BASSE VITESSE (LSPI) DANS UN MOTEUR A COMBUSTION A INJECTION DIRECTE ALLUME PAR ETINCELLE**
[72] SHAW, ROBERT WILLIAM, GB
[72] CRICK, SIMON ROBERT, GB
[72] FOSTER, CARINA, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (3018827)
[87] (3018827)
[22] 2018-09-27
[30] EP (17193419.3) 2017-09-27

[11] **3,019,671**
[13] C
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LIQUID FORMULATIONS OF (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE**
[54] **FORMULATIONS LIQUIDES DE (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE**
[72] REYNOLDS, MARK, US
[72] SMITH, STEVEN A., US
[73] LOXO ONCOLOGY, INC., US
[85] 2018-10-01
[86] 2017-04-04 (PCT/US2017/025939)
[87] (WO2017/176751)
[30] US (62/318,041) 2016-04-04
[30] US (62/323,452) 2016-04-15
[30] US (62/329,561) 2016-04-29

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[13] C
[51] **Int.Cl. C10L 9/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A COMBUSTIBLE PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT COMBUSTIBLE**
[72] SHARPE, DARREN, GB
[72] SIROVSKI, FELIX, GB
[73] INDUSTRIAL CHEMICALS GROUP LIMITED, GB
[85] 2018-10-10
[86] 2017-04-13 (PCT/EP2017/059012)
[87] (WO2017/178626)
[30] EP (16165676.4) 2016-04-15

[11] **3,020,550**
[13] C
[51] **Int.Cl. F16K 17/00 (2006.01) F16K 17/20 (2006.01) F16K 17/28 (2006.01) F16K 17/38 (2006.01)**
[25] EN
[54] **EXCESS FLOW AND THERMAL VALVE**
[54] **ECOULEMENT EXCESSIF ET VANNE THERMIQUE**
[72] HODGES, DANIEL, US
[73] BRASSCRAFT MANUFACTURING COMPANY, US
[86] (3020550)
[87] (3020550)
[22] 2018-10-12
[30] US (62/577,816) 2017-10-27
[30] US (16/155,923) 2018-10-10

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[51] **Int.Cl. H04L 41/0631 (2022.01) H04L 41/0659 (2022.01) H04L 41/142 (2022.01) H04L 43/16 (2022.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR NETWORK INCIDENT IDENTIFICATION, CONGESTION DETECTION, ANALYSIS, AND MANAGEMENT**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'INCIDENT DE RESEAU, AINSI QUE DE DETECTION, D'ANALYSE ET DE GESTION D'ENCOMBREMENT**
[72] ZAFER, MURTAZA, US
[72] SRINIVAS, ANAND, US
[72] HOSSAIN, S M S, US
[72] CHANDRASEKARAN, BALACHANDER, US
[73] VMWARE, INC., US
[85] 2018-10-10
[86] 2017-04-18 (PCT/US2017/028173)
[87] (WO2017/184627)
[30] US (15/132,049) 2016-04-18
[30] US (15/132,051) 2016-04-18
[30] US (15/132,057) 2016-04-18

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[25] EN
[54] **NITROGEN GENERATOR AND USES THEREOF**
[54] **GENERATEUR D'AZOTE ET UTILISATIONS CORRESPONDANTES**
[72] KLEINRICHERT, CHARLES, US
[73] AUTOMATIC BAR CONTROLS, INC., US
[85] 2018-10-11
[86] 2017-04-06 (PCT/US2017/026298)
[87] (WO2017/180422)
[30] US (62/323,190) 2016-04-15
[30] US (15/192,546) 2016-06-24

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[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/02 (2006.01) B01J 20/18 (2006.01)**
[25] EN
[54] **SIEVE BED RETENTION SYSTEM**
[54] **SYSTEME DE RETENTION DE LIT DE TAMIS**
[72] BUENTING, TODD, US
[72] DICKEN, LANE, US
[72] WEBER, JUSTIN, US
[73] COBHAM MISSION SYSTEMS DAVENPORT LSS INC., US
[85] 2018-10-10
[86] 2017-04-10 (PCT/US2017/026784)
[87] (WO2017/180508)
[30] US (62/320,976) 2016-04-11

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[51] **Int.Cl. E05B 47/00 (2006.01) H04W 84/10 (2009.01) B81B 7/02 (2006.01) G08C 17/02 (2006.01) H04B 11/00 (2006.01)**
[25] EN
[54] **LOCK SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE VERROUILLAGE**
[72] BRYLA, MARK, US
[72] LORELLO, MICHAEL, US
[73] SARGENT MANUFACTURING COMPANY, US
[86] (3021113)
[87] (3021113)
[22] 2018-10-17
[30] US (62/579362) 2017-10-31
[30] US (16/142606) 2018-09-26

[11] **3,021,516**
[13] C
[51] **Int.Cl. A61K 31/23 (2006.01) A61P 5/50 (2006.01)**
[25] EN
[54] **AZELAIC ACID ESTERS IN THE TREATMENT OF INSULIN RESISTANCE**
[54] **ESTERS D'ACIDE AZELAIQUE UTILISES DANS LE TRAITEMENT D'UNE RESISTANCE A L'INSULINE**
[72] STREEPER, ROBERT T., US
[72] IZBICKA, ELZBIETA, US
[73] NEW FRONTIER LABS, LLC, US
[85] 2018-10-18
[86] 2017-04-19 (PCT/US2017/028417)
[87] (WO2017/184767)
[30] US (62/325,381) 2016-04-20

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[51] **Int.Cl. A24B 15/16 (2020.01) A24D 3/08 (2006.01) A24D 3/14 (2006.01) A24F 7/00 (2006.01)**
[25] EN
[54] **FLAVORED TIP OR MOUTH-END INSERT FOR E-VAPING OR SMOKEABLE DEVICES AND MANUFACTURING METHOD THEREOF**
[54] **INSERT A EXTREMITE OU EMBOUT AROMATISE SERVANT A DES DISPOSITIFS A VAPOTER OU A FUMER ET PROCEDE DE FABRICATION ASSOCIE**
[72] MISHRA, MUNMAYA K., US
[72] FERNANDEZ, DOUGLAS A., US
[72] GRAY, REBECCA, US
[72] SIMPSON, CHRIS, US
[72] KOBAL, GERD, US
[72] MARCQ, PAULINE, US
[72] HAWES, ERIC A., US
[72] BAILEY, RYAN A., US
[72] FANG, YU, US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-10-18
[86] 2017-07-07 (PCT/EP2017/067162)
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[51] **Int.Cl. B60L 55/00 (2019.01) B60L 53/53 (2019.01) B60L 58/13 (2019.01) B60K 1/00 (2006.01) B60K 1/04 (2019.01) B60L 7/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING POWER TO A MINING OPERATION**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR DE L'ENERGIE DANS UNE EXPLOITATION MINIERE**
[72] HUFF, BRIAN R., US
[72] KASABA, MICHAEL E., US
[73] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2018-10-19
[86] 2017-03-31 (PCT/US2017/025331)
[87] (WO2017/184317)
[30] US (15/133,478) 2016-04-20

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[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **AQUEOUS COATING COMPOSITION**
[54] **COMPOSITION AQUEUSE DE REVETEMENT**
[72] CHEVALIER, PIERRE, BE
[72] DELOFFRE, EMMANUELLE, BE
[72] DONTAINE, CATHY, BE
[73] DOW SILICONES CORPORATION, US
[85] 2018-10-22
[86] 2017-04-21 (PCT/EP2017/059484)
[87] (WO2017/186586)
[30] GB (1607155.7) 2016-04-25

[11] **3,022,348**
[13] C
[51] **Int.Cl. C09J 163/00 (2006.01)**
[25] EN
[54] **ADHESIVES FOR ASSEMBLING COMPONENTS OF INERT MATERIAL**
[54] **ADHESIFS DESTINES A L'ASSEMBLAGE D'ELEMENTS DE MATERIAU INERTE**
[72] CIAMPINI, DAVIDE, IT
[73] SICPA HOLDING SA, CH
[85] 2018-10-26
[86] 2017-05-19 (PCT/EP2017/062112)
[87] (WO2017/198820)
[30] EP (16170330.1) 2016-05-19

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[13] C
[51] **Int.Cl. C09K 11/61 (2006.01)**
[25] EN
[54] **MANGANESE-DOPED PHOSPHOR MATERIALS FOR HIGH POWER DENSITY APPLICATIONS**
[54] **MATIERES FLUORESCENTES DOPEES AU MANGANESE POUR APPLICATIONS A DENSITE DE PUISSANCE ELEVEE**
[72] MURPHY, JAMES EDWARD, US
[72] CAMARDELLO, SAM JOSEPH, US
[73] CURRENT LIGHTING SOLUTIONS, LLC, US
[85] 2018-11-01
[86] 2017-05-09 (PCT/US2017/031654)
[87] (WO2017/196779)
[30] US (62/333,477) 2016-05-09

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[51] **Int.Cl. A24F 40/42 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPING DEVICE**
[54] **DISPOSITIF DE VAPOTAGE ELECTRONIQUE**
[72] GARTHAFFNER, TRAVIS M., US
[72] LIPOWICZ, PETER, US
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-11-08
[86] 2017-07-21 (PCT/EP2017/068532)
[87] (WO2018/015559)
[30] US (15/216,069) 2016-07-21

[11] **3,023,737**
[13] C
[51] **Int.Cl. G06F 9/44 (2018.01) G06F 8/36 (2018.01) G06F 9/54 (2006.01)**
[25] EN
[54] **PROCESSING APPLICATION PROGRAMMING INTERFACE (API) QUERIES BASED ON VARIABLE SCHEMAS**
[54] **TRAITEMENT DE REQUETE D'INTERFACE DE PROGRAMMATION D'APPLICATIONS (API) SUR LA BASE DE SCHEMAS VARIABLES**
[72] NADIG, DEEPAK, US
[72] SAIMANI, JAYANTH, IN
[72] KHARE, RAJAT, IN
[72] RANGANATH, VISHWANATH, IN
[73] INTUIT INC., US
[85] 2018-11-08
[86] 2017-10-19 (PCT/US2017/057409)
[87] (WO2018/080891)
[30] IN (201631037286) 2016-10-31
[30] US (15/399,257) 2017-01-05

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[25] EN
[54] **DRIVE CONFIGURATIONS FOR SKID STEERED VEHICLES**
[54] **CONFIGURATIONS D'ENTRAINEMENT POUR VEHICULES A DIRECTION DIFFERENTIELLE**
[72] FLAXMAN, ROBERT JOHN BONNER, GB
[73] QINETIQ LIMITED, GB
[85] 2018-11-09
[86] 2017-03-16 (PCT/EP2017/056310)
[87] (WO2017/198356)
[30] GB (1608745.4) 2016-05-18
[30] GB (1621968.5) 2016-12-22

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[13] C
[51] **Int.Cl. B32B 27/20 (2006.01) B32B 27/26 (2006.01) B32B 27/34 (2006.01) B32B 27/38 (2006.01) B32B 33/00 (2006.01) B32B 37/14 (2006.01) C09D 163/02 (2006.01) C09D 163/10 (2006.01) C09D 179/02 (2006.01)**
[25] EN
[54] **DRY-ERASE COMPOSITIONS AND METHODS OF MAKING AND USING THEREOF**
[54] **COMPOSITIONS EFFACABLES A SEC ET LEURS PROCEDES DE REALISATION ET D'UTILISATION**
[72] DONBROSKY, MARTIN DOUGLAS, JR., US
[72] WEBER, RACHEL ANN, US
[73] IDEAPAINT, INC., US
[85] 2018-11-15
[86] 2017-05-19 (PCT/US2017/033465)
[87] (WO2017/201362)
[30] US (62/339,523) 2016-05-20

[11] **3,025,430**
[13] C
[51] **Int.Cl. B05D 3/00 (2006.01) B05D 5/06 (2006.01)**
[25] EN
[54] **APPARATUSES AND PROCESSES FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED NON-SPHERICAL MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES**
[54] **APPAREILS ET PROCEDES DE PRODUCTION DE COUCHES A EFFET OPTIQUE COMPRENANT DES PARTICULES DE PIGMENT MAGNETIQUES OU MAGNETISABLES NON SPHERIQUES ORIENTEES**
[72] LOGINOV, EVGENY, CH
[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[73] SICPA HOLDING SA, CH
[85] 2018-11-23
[86] 2017-09-18 (PCT/EP2017/073430)
[87] (WO2018/054819)
[30] EP (16190044.4) 2016-09-22

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[51] **Int.Cl. C07D 249/04 (2006.01) A61K 31/4192 (2006.01) A61P 3/14 (2006.01) A61P 19/00 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **TRIAZOLES FOR REGULATING INTRACELLULAR CALCIUM HOMEOSTASIS**
[54] **TRIAZOLES POUR LA REGULATION DE L'HOMEOSTASE DU CALCIUM INTRACELLULAIRE**
[72] VALLEJO ILLARRAMENDI, AINARA, ES
[72] LOPEZ DE MUNAIN ARREGI, ADOLFO JOSE, ES
[72] FERRON CELMA, PABLO, ES
[72] AIZPURUA IPARRAGUIRRE, JESUS MARIA, ES
[72] IRASTORZA EPELDE, AITZIBER, ES
[72] MIRANDA MURUA, JOSE IGNACIO, ES
[72] TORAL OJEDA, IVAN, ES
[72] ALDANONDO ARISTIZABAL, GARAZI, ES
[73] UNIVERSIDAD DEL PAIS VASCO, ES
[73] ADMINISTRACION GENERAL DE LA COMUNIDAD AUTONOMA DE EUSKADI, ES
[85] 2018-11-23
[86] 2017-05-23 (PCT/ES2017/070344)
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[30] ES (P201630670) 2016-05-24

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[25] EN
[54] **CPF-373 PROTIDE FOR USE IN TREATING CANCER**
[54] **PROTEIDE CPF-373 A UTILISER DANS LE TRAITEMENT DU CANCER**
[72] PEPPER, CHRIS, GB
[72] MCGUIGAN, CHRISTOPHER (DECEASED), GB
[72] GRIFFITH, HUGH, GB
[73] NUCANA PLC, GB
[85] 2018-11-23
[86] 2017-05-31 (PCT/GB2017/051560)
[87] (WO2017/207993)
[30] GB (1609600.0) 2016-06-01

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[51] **Int.Cl. H02J 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING AN ELECTRICAL LOAD**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE CHARGE ELECTRIQUE**
[72] COLEMAN, TOBY JOHN, GB
[72] GALSWORTHY, STEPHEN JOHN, NL
[73] OPEN ENERGI LIMITED, GB
[85] 2018-11-30
[86] 2017-05-31 (PCT/GB2017/051557)
[87] (WO2017/207991)
[30] GB (1609687.7) 2016-06-02

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[51] **Int.Cl. G06F 16/22 (2019.01) G06F 16/24 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **INFORMATION SEARCH SYSTEM AND INFORMATION SEARCH PROGRAM**
[54] **SYSTEME DE RECHERCHE D'INFORMATION ET PROGRAMME DE RECHERCHE D'INFORMATION**
[72] NORO, NAOKI, JP
[72] TAKARA, YOHEI, JP
[72] ANDO, FUMINORI, JP
[73] EBA JAPAN CO., LTD., JP
[85] 2019-01-08
[86] 2018-10-24 (PCT/JP2018/039469)
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[51] **Int.Cl. B01D 33/35 (2006.01) B01D 33/39 (2006.01) B01D 46/26 (2006.01)**
[25] EN
[54] **BICONICAL MULTIPHASE ROTARY FILTER**
[54] **FILTRE ROTATIF BICONIQUE A PHASES MULTIPLES**
[72] MCCUTCHEN, DAVID J., US
[73] VORSANA INC., US
[85] 2018-12-06
[86] 2017-06-05 (PCT/US2017/035918)
[87] (WO2017/214020)
[30] US (62/392,657) 2016-06-06

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[51] **Int.Cl. G01N 1/22 (2006.01) G01N 21/47 (2006.01)**
[25] EN
[54] **PARTICULATE MATTER MEASURING APPARATUS**
[54] **APPAREIL DE MESURE DE MATIERE PARTICULAIRE**
[72] VELGE, FRANCOIS, AU
[72] KNOTT, PETER, AU
[73] PINSSAR PTY LTD, AU
[85] 2018-12-07
[86] 2017-06-14 (PCT/AU2017/050595)
[87] (WO2017/214672)
[30] AU (2016902308) 2016-06-14

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[51] **Int.Cl. B01D 11/02 (2006.01) A61K 31/352 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **PURIFICATION AND SEPARATION TECHNIQUES FOR CANNABINOIDS**
[54] **TECHNIQUES DE PURIFICATION ET DE SEPARATION DE CANNABINOIDES**
[72] LEVY, KURT ARON, US
[72] ENMARK, KARL, US
[73] CANOPY GROWTH CORPORATION, CA
[85] 2018-12-07
[86] 2017-06-09 (PCT/US2017/036792)
[87] (WO2017/214529)
[30] US (62/348,445) 2016-06-10
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[51] **Int.Cl. A61L 24/04 (2006.01) A61K 9/10 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **NOVEL HYALURONIC ACID-BASED HYDROGELS HAVING MEDICAL APPLICATIONS**
[54] **NOUVEAUX HYDROGELS A BASE D'ACIDE HYALURONIQUE AYANT DES APPLICATIONS MEDICALES**
[72] MITRAGOTRI, SAMIR, US
[72] MENEGATTI, STEFANO, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-12-10
[86] 2016-06-11 (PCT/US2016/037100)
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[30] US (62/174,171) 2015-06-11

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[25] EN
[54] **STEVIOL GLYCOSIDE COMPOSITIONS FOR ORAL INGESTION OR USE**
[54] **COMPOSITIONS DE GLYCOSIDES DE STEVIOL POUR INGESTION OU UTILISATION ORALE**
[72] CARLSON, TING LIU, US
[72] FALK, NICOLE LYNN, US
[72] GASPARD, DAN S., US
[72] GUTHRIE, BRIAN D., US
[72] MORTENSON, KRISTOPHER T., US
[72] MORTENSON, MICHAEL ALAN, US
[72] SCHMELZER, WADE NOLAN, US
[72] YURTTAS, NESE, US
[73] CARGILL, INCORPORATED, US
[85] 2018-12-13
[86] 2016-11-30 (PCT/US2016/064274)
[87] (WO2017/218036)
[30] US (62/351,758) 2016-06-17
[30] US (62/353,369) 2016-06-22
[30] US (62/379,816) 2016-08-26

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[13] C
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[25] EN
[54] **TREATMENT OF CLOSTRIDIUM DIFFICILE INFECTION**
[54] **TRAITEMENT D'UNE INFECTION PAR CLOSTRIDIUM DIFFICILE**
[72] SCHNEIDER, JESSICA, US
[72] KIM, YUN-GI, US
[72] OLLE, BERNAT, US
[72] REDDY, SHILPA, US
[72] NORMAN, JASON, US
[72] PATARROYO, JUAN, US
[73] VEDANTA BIOSCIENCES, INC., US
[85] 2018-12-13
[86] 2017-06-14 (PCT/US2017/037498)
[87] (WO2017/218680)
[30] US (62/349,914) 2016-06-14

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[13] C
[51] **Int.Cl. B65G 21/10 (2006.01) B65G 21/14 (2006.01) B65G 41/00 (2006.01) B65G 65/00 (2006.01) B65G 67/00 (2006.01)**
[25] EN
[54] **TRANSPORTABLE CONVEYOR APPARATUS, SYSTEMS, AND METHODS**
[54] **APPAREIL CONVOYEUR TRANSPORTABLE, SYSTEMES ET PROCEDES**
[72] GRIMM, LAFE, US
[72] ROSEN, PHILIP, US
[73] SUPERIOR INDUSTRIES, INC., US
[85] 2018-12-20
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[54] **FRUIT FRAIS A DUREE DE CONSERVATION PROLONGEE**
[72] BORYSIAK, ADAM RYSZARD, FR
[72] NG, CHRISTINE, US
[72] STOLK, MAARTEN, NL
[72] GARCIA, CYNTHIA BERENICE MARMOLEJO, NL
[72] AKKERMANS, CYNTHIA, NL
[73] GENERAL MILLS INC., US
[73] SODIMA, FR
[85] 2018-12-20
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[54] **INSPECTION METHOD, INSPECTION AND REPORTING METHOD, MANUFACTURING METHOD INCLUDING THE INSPECTION METHOD, INSPECTION APPARATUS, AND MANUFACTURING APPARATUS**
[54] **PROCEDE D'INSPECTION, PROCEDE D'INSPECTION/NOTIFICATION, PROCEDE DE FABRICATION COMPRENANT LE PROCEDE D'INSPECTION, APPAREIL D'INSPECTION ET APPAREIL DE FABRICATION**
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[73] YOSHINO GYPSUM CO., LTD., JP
[85] 2018-12-21
[86] 2017-06-16 (PCT/JP2017/022279)
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[54] **DETERMINING DIVERTER EFFECTIVENESS IN A FRACTURE WELLBORE**
[54] **DETERMINATION D'EFFICACITE DE DEFLECTEUR DANS UN PUITS DE FORAGE DE FRACTURE**
[72] DAWSON, MATTHEW A., US
[72] KAMPFER, GUNTHER, US
[72] MOSSER, LUKAS, US
[73] REVEAL ENERGY SEVICES, INC., US
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[25] EN
[54] **PHYSICAL EXERCISE SYSTEM**
[54] **SYSTEME D'EXERCICE PHYSIQUE**
[72] LEOPOLDO DA CAMARA FILHO, CARLOS ALBERTO, BR
[73] LEOPOLDO DA CAMARA FILHO, CARLOS ALBERTO, BR
[85] 2018-12-20
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[25] EN
[54] **SILICONE RUBBER COMPOSITION AND COMPOSITE MADE THEREFROM**
[54] **COMPOSITION DE CAOUTCHOUC DE SILICONE ET COMPOSITE OBTENU A PARTIR DE LA COMPOSITION DE CAOUTCHOUC DE SILICONE**
[72] TASAKI, TOMOKO, JP
[72] OTOMO, TAKAYOSHI, JP
[73] DOW TORAY CO., LTD., JP
[85] 2018-12-27
[86] 2017-06-15 (PCT/JP2017/022058)
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[25] EN
[54] **A STEEL FOR A TOOL HOLDER**
[54] **ACIER POUR PORTE-OUTIL**
[72] DAMM, PETTER, SE
[72] RAHLEN, LENA, SE
[72] FORSBERG, AMANDA, SE
[72] BERGQVIST, VICTORIA, SE
[72] ZANCHETTA, RICCARDO, IT
[73] UDDEHOLMS AB, SE
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[54] **MODIFIED PANEL AND METHOD FOR MAKING SAME**
[54] **PANNEAU MODIFIE ET METHODE DE FABRICATION**
[72] SKOVGAARD JORGENSEN, KRISTIAN, DK
[72] CHRISTENSEN, KENN, DK
[73] ROCKWOOL A/S, DK
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[54] **A SYSTEM AND METHOD FOR PREVENTING SIGHT DETERIORATION CAUSED BY NEAR WORK WITH DEVICES WITH ELECTRONIC SCREENS**
[54] **SYSTEME ET PROCEDE DE PREVENTION DE LA DETERIORATION DE LA VUE CAUSEE PAR UN TRAVAIL DE PROXIMITE AVEC DES DISPOSITIFS A ECRANS ELECTRONIQUES**
[72] LOPEZ GIL, NORBERTO, ES
[72] LIU, YUOU, ES
[73] VISIONAPP SOLUTIONS S.L., ES
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[25] EN
[54] **METHOD FOR PRODUCING A POLYMORPHIC FORM OF 3-[5-AMINO-4-(3-CYANOBENZOYL)-PYRAZOL-1-YL]-N-CYCLOPROPYL-4-METHYLBENZAMIDE**
[54] **PROCEDE DE PRODUCTION D'UNE FORME POLYMORPHE DE 3- [5-AMINO-4-(3-CYANOBENZOYL)-PYRAZOL-1-YL]-N-CYCLOPROPYL-4-METHYLBENZAMIDE**
[72] SULEIMAN, OSAMA, GB
[72] PEREZ, LUCIA ROMERO, GB
[72] HARLACHER, CORNELIUS STEPHAN, CH
[72] JONES, STEWART, GB
[73] MEREO BIOPHARMA 1 LIMITED, GB
[85] 2019-01-11
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[54] **SOLID PHOSPHORIC ACID CATALYSTS**
[54] **CATALYSEURS D'ACIDE PHOSPHORIQUE SOLIDE**
[72] RAGHUNATH, MALATI, US
[72] MILLER, AARON, US
[72] LUGMAIR, CLAUS G., US
[72] VOLPE, ANTHONY, US
[73] CLARIANT INTERNATIONAL LTD, CH
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[54] **TARGETED RADIOTHERAPY CHELATES FOR IN SITU IMMUNE MODULATED CANCER VACCINATION**
[54] **CHELATES SERVANT A LA RADIOTHERAPIE CIBLEE DESTINES A LA VACCINATION CONTRE UN CANCER A MODULATION IMMUNITAIRE IN SITU**
[72] WEICHERT, JAMEY, US
[72] SONDEL, PAUL M., US
[72] PINCHUK, ANATOLY, US
[72] MORRIS, ZACHARY, US
[72] OTTO, MARIO, US
[72] BEDNARZ, BRYAN, US
[72] CARLSON, PETER, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[54] **APPARATUS FOR APPLICATION OF A CONDUCTIVE PATTERN TO A SUBSTRATE**
[54] **APPAREIL D'APPLICATION D'UN MOTIF CONDUCTEUR A UN SUBSTRAT**
[72] LANDA, BENZION, IL
[72] TOUITOU, HAIM, IL
[72] THYGELBAUM, STANISLAV, IL
[72] ELFASSY, NAOMI, IL
[73] LUMET TECHNOLOGIES LTD., IL
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR RAPID CLONING OF T-CELL RECEPTORS**
[54] **COMPOSITIONS ET PROCEDES DE CLONAGE RAPIDE DE RECEPTEURS DE LYMPHOCYTES T**
[72] ODUNSI, KUNLE, US
[72] KOYA, RICHARD, US
[72] TSUJI, TAKEMASA, US
[73] HEALTH RESEARCH, INC., US
[85] 2019-01-29
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[54] **TAP CLAMP**
[54] **PINCE POUR ROBINET**
[72] DIOP, SEYDOU, US
[72] CANDELARIA, ADRIAN BEAU, US
[73] HUBBELL INCORPORATED, US
[85] 2019-02-04
[86] 2017-08-03 (PCT/US2017/045235)
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[25] EN
[54] **PAPER PRODUCT AND METHOD FOR INCREASING THE STRENGTH THEREOF**
[54] **PRODUIT DE PAPIER ET PROCEDE D'AUGMENTATION DE SA RESISTANCE**
[72] LUO, YUPING, US
[72] TELLAKULA, ROOPA, US
[72] ROSENCRANCE, SCOTT, US
[73] KEMIRA OYJ, FI
[85] 2019-02-05
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[25] EN
[54] **CURABLE RESIN COMPOSITION, FUEL CELL USING SAME, AND SEALING METHOD USING SAME**
[54] **COMPOSITION DE RESINE DURCISSABLE, PILE A COMBUSTIBLE L'UTILISANT ET PROCEDE D'ETANCHEITE L'UTILISANT**
[72] SOGA, TETSUNORI, JP
[73] THREEBOND CO., LTD., JP
[85] 2019-02-06
[86] 2017-07-21 (PCT/JP2017/026445)
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[25] EN
[54] **GERMANIUM-68 SOURCE MATERIAL AND CALIBRATION DEVICES THAT INCLUDE SUCH SOURCE MATERIAL**
[54] **MATERIAU SOURCE GERMANIUM-68 ET DISPOSITIFS D'ETALONNAGE COMPRENANT UN TEL MATERIAU SOURCE**
[72] BARBOSA, LUIS ANTONIO M.M., US
[73] CURIUM US LLC, US
[85] 2019-02-13
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[25] EN
[54] **METHOD, APPARATUS AND APPLICATOR FOR APPLYING A COATING ON A SURFACE OF A LAMINATION**
[54] **METHODE, APPAREIL ET APPLICATEUR SERVANT A APPLIQUER UN REVETEMENT SUR UNE SURFACE D'UN LAMELLE**
[72] KHOSRAVANI, SHAHRIAR, US
[73] THE BOEING COMPANY, US
[86] (3033977)
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[54] **SELF-PRESERVING ENVIRONMENTAL DNA FILTER**
[54] **FILTRE DE PARTICULES ADN ENVIRONNEMENTAL A PRESERVATION AUTONOME**
[72] THOMAS, AUSTEN C., US
[72] HOWARD, JESSE A., US
[73] SMITH-ROOT, INC., US
[86] (3034178)
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[25] EN
[54] **FUEL CELL SYSTEM AND METHOD OF OPERATING A FUEL CELL SYSTEM**
[54] **SYSTEME DE PILES A COMBUSTIBLE ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE PILES A COMBUSTIBLE**
[72] REUM, MATHIAS, DE
[73] PROTON MOTOR FUEL CELL GMBH, DE
[85] 2019-02-26
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[54] **SUPERCONDUCTING GATE MEMORY CIRCUIT**
[54] **CIRCUIT DE MEMOIRE A GRILLE SUPRACONDUCTRICE**
[72] BURNETT, RANDALL M., US
[72] HERR, QUENTIN P., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2019-02-26
[86] 2017-08-15 (PCT/US2017/046987)
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[30] US (62/383,204) 2016-09-02
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[25] EN
[54] **FUEL CELL SYSTEM AND METHOD OF OPERATING A FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE PILE A COMBUSTIBLE**
[72] REUM, MATHIAS, DE
[73] PROTON MOTOR FUEL CELL GMBH, DE
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[54] **BEACON DETECTION SYSTEM FOR LOCATING A MISSING SEARCH SUBJECT. A SEARCH SYSTEM CONFIGURED TO OPERATE ON A SEARCH VEHICLE AND COMPUTER IMPLEMENTED METHOD OF DETERMINING A LOCATION OF A SEARCH SUBJECT**
[54] **SYSTEME DE DETECTION DE BALISE PERMETTANT DE LOCALISER UN SUJET DE RECHERCHE MANQUANT. LA PRESENTE INVENTION PORTE SUR UN SYSTEME DE RECHERCHE CONFIGURE DE SORTE A FONCTIONNER SUR UN VEHICULE DE RECHERCHE ET SUR UN PROCEDE MIS EN OEUVRE PAR ORDINATEUR PERMETTANT DE DETERMINER UN EMPLACEMENT D'UN SUJET DE RECHERCHE**
[72] GILLUM, ELIOT, US
[72] LAU, KEVIN HO WING, US
[73] VECTOR FLIGHT LLC, US
[85] 2019-03-18
[86] 2017-09-19 (PCT/US2017/052283)
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[54] **PRE-STRAIN UNIT FOR A T-BOLT**
[54] **MODULE PRECONTRAINT DESTINE A UN BOULON EN T**
[72] HAHN, MARC, DE
[72] KANBERG, JOACHIM, DE
[73] HENSOLDT SENSORS GMBH, DE
[86] (3039996)
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[54] **PNEUMATIC SPREADING MACHINE AND METHOD FOR CONTROLLING OR REGULATING THE METERING ELEMENTS THEREOF BY CARRYING OUT CALIBRATION TESTS**
[54] **MACHINE D'EPANDAGE PNEUMATIQUE ET PROCEDE DE COMMANDE OU DE REGLAGE DE SON ORGANE DE DOSAGE PAR L'ECHANTILLONNAGE D'ETALONNAGE**
[72] KLEIN, FREDERIC, FR
[72] SCHAFER, FABIAN, DE
[72] RAUCH, NORBERT, DE
[73] RAUCH LANDMASCHINENFABRIK GMBH, DE
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[54] **PET FOOD COMPOSITIONS**
[54] **COMPOSITIONS ALIMENTAIRES POUR ANIMAUX DE COMPAGNIE**
[72] JEWELL, DENNIS EDWARD, US
[72] BROCKMAN, JEFFREY, US
[72] SCHERL, DALE, US
[72] DAVIDSON, STEPHEN, US
[72] GOLDER, CHRISTINA, US
[72] AVILA, ALBERT, US
[73] HILL'S PET NUTRITION, INC., US
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[54] **FABRICATION ADDITIVE AVEC ALIMENTATION EN MATERIAU ASSOUPLI A LA CHALEUR**
[72] MARK, GREGORY THOMAS, US
[73] MARKFORGED, INC., US
[85] 2019-04-16
[86] 2017-12-05 (PCT/US2017/064779)
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[54] **DEPLACEMENT DE MATERIEL ERGONOMIQUE**
[72] GREENBERGER, HAL P., US
[73] GREENBERGER, HAL P., US
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[25] EN
[54] **BATTERY PACK, ELECTRICAL DEVICE USING BATTERY PACK, AND ELECTRICAL DEVICE SYSTEM**
[54] **BLOC-BATTERIE, DISPOSITIF ELECTRIQUE UTILISANT UN BLOC-BATTERIE ET SYSTEME DE DISPOSITIF ELECTRIQUE**
[72] HANAWA, HIROYUKI, JP
[72] NISHIKAWA, TOMOMASA, JP
[72] KANNO, SHOTA, JP
[72] MIZOGUCHI, TOSHIO, JP
[72] NAKANO, YASUSHI, JP
[72] FUNABASHI, KAZUHIKO, JP
[72] TERANISHI, TAKUYA, JP
[72] WAKATABE, NAOTO, JP
[72] WATANABE, SHINJI, JP
[72] SATO, JUNPEI, JP
[72] TAMURA, HIKARU, JP
[72] TAKANO, NOBUHIRO, JP
[72] KAWANOBE, OSAMU, JP
[72] YAMAGUCHI, HAYATO, JP
[72] MATSUSHITA, AKIRA, JP
[72] HIRANO, MASARU, JP
[72] MURAKAMI, TAKUHIRO, JP
[72] OGURA, MASAYUKI, JP
[72] FUNABIKI, YUSUKE, JP
[72] TOUKAIRIN, JUNICHI, JP
[72] TAKEUCHI, SHOTA, JP
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[72] SHARMA, BHAVESH, IN
[72] PUDI, SATYANARAYANA MURTY, IN
[72] PEDDY, VENKATA CHALAPATHI RAO, IN
[72] NETTEM, VENKATESWARLU CHOUDARY, IN
[72] GANDHAM, SRIGANESH, IN
[73] HINDUSTAN PETROLEUM CORPORATION LIMITED, IN
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[54] **COMPOSITION DENTAIRE**
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[72] KLEE, JOACHIM E., DE
[72] MAIER, MAXIMILIAN, DE
[72] SCHEUFLER, CHRISTIAN, DE
[73] DENTSPLY DETREY GMBH, DE
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[54] **METHOD AND APPARATUS FOR ENCLOSING A PRODUCT FROM ELEMENTS**
[54] **METHODE ET APPAREIL POUR ISOLER UN PRODUIT CONTRE LES ELEMENTS**
[72] CAHOON, JEFFREY, US
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[54] **SYSTEMES ET PROCEDES D'ENRICHISSEMENT DE DONNEES CAPTUREES**
[72] WOMACK, MARCUS, US
[72] REITZ, JAMES, US
[72] SHEKARRI, NACHE, US
[72] WAGNER, DANIEL, US
[72] HANCHETT, MARK, US
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[54] **SYSTEME DE PREPARATION DE TRAFIC DE RESEAU POUR ANALYSE RAPIDE**
[72] WARMENHOVEN, ADRIANUS, NL
[72] HOFSTEDE, RICK, NL
[73] BITDEFENDER NETHERLANDS B.V., NL
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[54] **DERIVES ENONE DE PYRIMIDINE TRICYCLIQUE POUR L'INHIBITION DE ROR.GAMMA. ET D'AUTRES UTILISATIONS**
[72] JIANG, XIN, US
[72] BENDER, CHRISTOPHER F., US
[72] VISNICK, MELEAN, US
[72] HOTEMA, MARTHA R., US
[72] SHELDON, ZACHARY S., US
[72] LEE, CHITASE, US
[72] CAPRATHE, BRADLEY WILLIAM, US
[72] BOLTON, GARY, US
[72] KORNBERG, BRIAN, US
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[54] **BAIN ELECTROLYTIQUE D'ALUMINIUM DE CADRE ANODIQUE EN ALUMINIUM CONTINU A CONDUCTEUR INTEGRE**
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[72] DANG, JIANPING, CN
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[54] **METHODE DE PRODUCTION DE COMPOSITIONS POLYMERES AQUEUSES A JAUNISSEMENT REDUIT**
[72] DONG, XIANGTING, CN
[72] LIU, HAN, CN
[72] CHEN, JUNYU, CN
[72] ZHANG, QINGWEI, CN
[72] LI, LING, CN
[72] MAURICE, ALVIN MICHAEL, US
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[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
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[54] **GESTION DES RESSOURCES D'OBJETS DANS UNE APPLICATION WEB**
[72] TUCKER, CHRISTOPHER, US
[72] ZHANG, QIAN, US
[72] GUEZ, YARON, US
[72] HE, SHA, US
[73] SERVICENOW, INC., US
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[54] **APPLICATION DE GAZ DE PEROXYDE D'HYDROGENE SEC (DHP) A DES PROCEDES DE PRODUCTION DE VOLAILLE**
[72] LEE, JAMES D., US
[72] STEPHENS, JAMES RUSSELL, US
[73] SYNEXIS LLC, US
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[54] **SYSTEMES ET PROCEDES POUR SYSTEME DE CHARGEMENT ET DE DECHARGEMENT DE CHARIOT D'AUTOCLAVE**
[72] GRAVES, KEVIN B., US
[72] PETROFSKY, BRYAN S., US
[72] VERMA, SUMIT, US
[72] SCHMITZ, JOHN, US
[72] D'HOOGE, MICHAEL J., US
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[54] **PROCEDE DE DETECTION DE NUCLEOTIDES APPARENTES DANS UN FLUX DE TRAVAUX DE SEQUENCAGE D'ACIDES NUCLEIQUES**
[72] DAMBACHER, COREY M., US
[72] ROKICKI, JOSEPH, US
[72] AHN, KEUNHO, US
[72] ROHRMAN, BRITTANY ANN, US
[72] NGUYEN, MICHAEL, US
[72] VIJAYAN, KANDASWAMY, US
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[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **SYSTEME ET PROCEDE POUR RENDRE LES DEPOTS DE DONNEES ANONYMES**
[72] DURVASULA, SREENIVAS, US
[72] SAHA, PRABODH, US
[72] MOHANTY, AMITAV, US
[73] SERVICENOW, INC., US
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[73] STEPAN COMPANY, US
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[54] **PROCEDE DE MOUSSAGE DE COMPOSITIONS DE POLYOLEFINE A L'AIDE D'UN POLYETHYLENE HAUTE DENSITE MODIFIE**
[72] XIONG, JIAWEN, CN
[72] SUN, GANGWEI, CN
[72] ESSEGHIR, MOHAMED, US
[72] CHEN, HONGYU, CN
[72] COGEN, JEFFREY M., US
[72] ZHANG, YI, CN
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **FORMULATIONS PHARMACEUTIQUES DE PHLOROGLUCINOL ET DE TRIMETHYLPHLOROGLUCINOL**
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[72] PEARCE, CATHERINE, US
[72] ISAACSOHN, JONATHAN, US
[73] CINRX PHARMA, LLC, US
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[54] **FORMULATIONS WITH IMPROVED STABILITY**
[54] **FORMULATIONS AYANT UNE STABILITE AMELIOREE**
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[72] RIX, PETER, US
[72] GRUFF, ERIC, US
[73] INSPIRNA, INC., US
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[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR SOINS DENTAIRES PERSONNALISES**
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[72] PAI, AKASH, US
[72] THIELMAN, SCOTT C., US
[72] SADDER, JUAN F., US
[72] TAYLOR, RICHARD K., US
[73] ZEROBRUSH, INC., US
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[54] **MEMBRANE ATTENUANT LES IMPACTS**
[72] ABRAM, DANIEL EAMON, CA
[72] GOLNARAGHI, FARID, CA
[72] WANG, GAOFENG GARY, CA
[73] SIMON FRASER UNIVERSITY, CA
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[25] EN
[54] **COMPOSITIONS, METHODS AND KITS TO DETECT ADENOVIRUS NUCLEIC ACIDS**
[54] **COMPOSITIONS, METHODES ET TROUSSES POUR DETECTER DES ACIDES NUCLEIQUES DE L'ADENOVIRUS**
[72] MAJLESSI, MEHRDAD R., US
[72] SHAH, ANKUR, US
[72] HILLIUS, AMBER, US
[72] DOUGLASS, PAMELA, US
[72] KOLK, DANIEL, US
[73] GEN-PROBE INCORPORATED, US
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[54] **LAMINATE COMPOSITE STRUCTURAL COMPONENTS AND METHODS FOR THE SAME**
[54] **COMPOSANTES STRUCTURELLES EN MATERIAUX COMPOSITES STRATIFIES ET METHODES CONNEXES**
[72] NORDMAN, PAUL S., US
[72] CHENG, JIANGTIAN, US
[73] THE BOEING COMPANY, US
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[54] **PROCEDES ET SYSTEMES DE SEQUESTRATION DE DIOXYDE DE CARBONE (CO2) A MEDIATION PAR AMMONIAC**
[72] CONSTANTZ, BRENT R., US
[72] SCHNEIDER, JACOB, US
[72] BEWERNITZ, MARK, US
[73] BLUE PLANET SYSTEMS CORPORATION, US
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[54] **COMPRESSION VIDEO UTILISANT DES MOTIFS DE SOUS-ECHANTILLONNAGE EN DEUX PHASES**
[72] SHEN, YUXIANG, US
[73] HULU, LLC, US
[85] 2019-09-24
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[54] **CONVERSION DE TEXTE EN PAROLE DE BOUT EN BOUT**
[72] BENGIO, SAMUEL, US
[72] WANG, YUXUAN, US
[72] YANG, ZONGHENG, US
[72] CHEN, ZHIFENG, US
[72] WU, YONGHUI, US
[72] AGIOMYRGIANNAKIS, IOANNIS, GB
[72] WEISS, RON J., US
[72] JAITLY, NAVDEEP, US
[72] RIFKIN, RYAN M., US
[72] CLARK, ROBERT ANDREW JAMES, GB
[72] LE, QUOC V., US
[72] RYAN, RUSSELL J., US
[72] XIAO, YING, US
[73] GOOGLE LLC, US
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[54] **POINT OF SALE DEVICE WITH SWITCHABLE INTERNAL CONNECTION ROLES**
[54] **DISPOSITIF DE POINT DE VENTE A ROLES DE CONNEXION INTERNE COMMUTABLES**
[72] DOUTHAT, CORY, US
[72] DONOVAN, DAVID, US
[72] MAIBACH, MATTHEW H., US
[72] KELLEY, JOHN, US
[72] CROSBY, ZACHARY, US
[73] BLOCK, INC., US
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[54] **MULTI-EMBEDDED RADIO FREQUENCY BOARD AND MOBILE DEVICE INCLUDING THE SAME**
[54] **CARTE DE RADIOFREQUENCE MULTI-INTEGREE ET APPAREIL MOBILE COMPRENANT CELLE-CI**
[72] WU, SHIHCHANG, US
[72] WOOLRICH, KYLE A., US
[72] SPENCE, JAY STUART, US
[73] THE BOEING COMPANY, US
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[54] **CREATION DE COMPTE SECURISE**
[72] GRASSASDONIA, BRIAN, US
[72] MORING, MICHAEL, US
[72] ANDERSEN, ROBERT, US
[72] PERITO, DANIELE, US
[72] OMOJOLA, AYOKUNLE, US
[73] BLOCK, INC., US
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[54] **UNIVERSAL MOUNTING TABS AND KITS FOR AUTOMOTIVE COMPONENTS**
[54] **LANGUETTES DE MONTAGE UNIVERSELLES ET ENSEMBLES POUR PIECES D`AUTOMOBILE**
[72] PAPERI, MAURICE, US
[73] PAPERI, MAURICE, US
[86] (3060891)
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[54] **CHARGING METHOD AND CHARGING APPARATUS**
[54] **METHODE ET APPAREIL DE RECHARGE**
[72] ZHANG, JUN, CN
[72] QU, CHUNYING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **CELL SYSTEM AND METHOD FOR STORING CELLS**
[54] **SYSTEME DE CELLULES ET METHODE POUR STOCKER DES CELLULES**
[72] NUOPPONEN, MARKUS, FI
[72] SPENCER-FRY, JANE, GB
[72] COOPMAN, KAREN, GB
[73] UPM-KYMMENE CORPORATION, FI
[86] (3062871)
[87] (3062871)
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[54] **MODULAR FRAME FOR A BACKPACK SPRAYER**
[54] **CADRE MODULAIRE POUR PULVERISATEUR A DOS**
[72] GUTEKUNST, GREG, US
[72] DUBIEL, DAVID, US
[73] CHAPIN MANUFACTURING, INC., US
[86] (3063109)
[87] (3063109)
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[25] EN
[54] **FLEXIBLE CIRCUIT PACKAGE**
[54] **BOITIER DE CIRCUIT SOUPLE**
[72] VIBERG, DAVID ALLAN, CA
[72] STEVENS, TRAVIS MICHAEL, CA
[72] NIELSEN, KRAIG ELBERT, CA
[72] PURDY, MICHAEL TODD, CA
[73] ORPYX MEDICAL TECHNOLOGIES INC., CA
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[54] **WOUND OXYGEN SUPPLY SYSTEM**
[54] **SYSTEME D'ALIMENTATION EN OXYGENE POUR PLAIE**
[72] NIEDERAUER, MARK Q., US
[72] DALEY, JAMES P., US
[72] MOFFETT, JOSEPH J., US
[73] ELECTROCHEMICAL OXYGEN CONCEPTS, INC., US
[85] 2019-11-26
[86] 2018-06-21 (PCT/US2018/038733)
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[25] EN
[54] **UNMANNED AERIAL VEHICLE WITH SYNCHRONIZED SENSOR NETWORK**
[54] **VEHICULE AERIEN SANS PILOTE POURVU D'UN RESEAU DE CAPTEURS SYNCHRONISES**
[72] PIZARRO, ANTHONY F., CA
[72] DOERWALD, BRUNO C., CA
[73] ROMAERIS CORPORATION, CA
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[86] 2018-06-01 (PCT/CA2018/050657)
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[25] EN
[54] **EFFICIENT RECOVERY OF VALUABLE COMPONENTS FROM BIOMASS CATALYTIC PYROLYSIS EFFLUENT**
[54] **RECUPERATION EFFICACE DE CONSTITUANTS VALORISABLES CONTENUS DANS UN EFFLUENT DE PYROLYSE CATALYTIQUE DE BIOMASSE**
[72] DIGNE, ROMINA, FR
[72] RUIZ MARTINEZ, CRISTINA, NL
[72] PAGOT, ALEXANDRE BERNARD, FR
[72] JACQUIN, MARC FRANCOIS PHILIPPE, FR
[72] FEUGNET, FREDERIC JEAN-MICHEL, FR
[72] SORENSEN, CHARLES MITCHEL, US
[73] ANELLOTECH, INC., US
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[54] **EMBEDDED TRACE CAPACITIVE SIGNET STAMP**
[54] **TIMBRE A SCEAU CAPACITIF A TRACE INTEGREE**
[72] THOMAS, REE WORLEY, US
[72] STEWART, JESSE EDWARD, US
[72] HAINES, ALEX NORMAN, US
[72] MIKUL, SHERADYN THOMAS, US
[72] MCALLISTER, CHARLES ALAN, US
[73] SNOWSHOEFOOD INC., US
[85] 2019-12-16
[86] 2018-06-29 (PCT/US2018/040247)
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[54] **DETECTING SYNTHETIC ONLINE ENTITIES FACILITATED BY PRIMARY ENTITIES**
[54] **DETECTION D'ENTITES EN LIGNE SYNTHETIQUES FACILITEES PAR DES ENTITES PRIMAIRES**
[72] BROWN, CHRIS, US
[72] PATEL, RAKESH, US
[72] MULLINAX, JOHN, US
[72] COLE, TROY, US
[72] FARACH, JULIO, US
[72] GRICE, LEE, US
[72] WADKINS, PATRICK, US
[72] STRONG, ERIK, US
[72] BOYNES, CORDELL, US
[73] EQUIFAX INC., US
[85] 2019-12-18
[86] 2018-06-29 (PCT/US2018/040245)
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[25] EN
[54] **MANUFACTURE, ISOLATION, PURIFICATION, AND USES OF SMALL PARTICLE SIZE CELLULOSE PARTICLES AND COMPOSITIONS**
[54] **FABRICATION, ISOLATION, PURIFICATION ET UTILISATIONS DE COMPOSITIONS DE PARTICULES DE CELLULOSE DE PETITE TAILLE PARTICULAIRE**
[72] HARRIS, STEPHEN HERBERT, US
[72] KOSA, MATYAS, CA
[72] SANDERSON, CHARLES SEBASTIAN, US
[72] CHORLEY, MARIE JANE, GB
[72] CARLSON, DEREK ALEXANDER, US
[72] AUSTIN, JEREMY R., US
[72] LAHANAS, KONSTANTINOS M., US
[72] MOESLER, FREDERICK J., US
[72] BREEDEN, DAVID LEE, US
[72] D'ELIA, ORLANDO JOSE, US
[73] RENMATIX, INC., US
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[87] (WO2019/010336)
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[30] US (62/587,472) 2017-11-16
[30] US (62/628,443) 2018-02-09
[30] US (62/671,026) 2018-05-14

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[54] **TECHNIQUES FOR CONDUCTING VIRTUAL CLINICAL TRIALS**
[54] **TECHNIQUES POUR EFFECTUER DES ESSAIS CLINIQUES VIRTUELS**
[72] FUERTINGER, DORIS H., US
[72] TOPPING, ALICE, US
[72] KAPPEL, FRANZ, AT
[72] THIJSSEN, STEPHAN, US
[72] KOTANKO, PETER, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[54] **TWO-DIMENSIONAL CODE ERROR CORRECTION DECODING**
[54] **DECODAGE DE CORRECTION D'ERREUR DE CODE BIDIMENSIONNEL**
[72] YANG, CHONGLING, CN
[73] 10353744 CANADA LTD., CA
[85] 2020-01-10
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[25] EN
[54] **IMPROVED PROCESS FOR PREPARING AMINOPYRIMIDINE DERIVATIVES**
[54] **PROCEDE AMELIORE POUR LA PREPARATION DE DERIVES D'AMINOPYRIMIDINE**
[72] OH, SANG-HO, KR
[72] KHOO, JA-HEOUK, KR
[72] LIM, JONG-CHUL, KR
[72] LEE, SEONG-RAN, KR
[72] JU, HYUN, KR
[72] SHIN, WOO-SEOB, KR
[72] PARK, DAE-GYU, KR
[72] PARK, SU-MIN, KR
[72] HWANG, YOON-AH, KR
[73] YUHAN CORPORATION, KR
[85] 2020-01-15
[86] 2018-07-25 (PCT/KR2018/008379)
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[25] EN
[54] **INTERNET OF THINGS GATEWAY SYSTEMS AND METHODS FOR OIL AND GAS FIELDS**
[54] **SYSTEMES ET PROCEDES DE PASSERELLE DE L'INTERNET DES OBJETS POUR DES CHAMPS DE PETROLE ET DE GAZ**
[72] STOUT, DALE, US
[72] PENNER, JASON, US
[72] TAIT, COLIN, US
[72] MAHDAVI, MEHRZAD, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-01-17
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[25] EN
[54] **VISUALIZATION SYSTEM FOR DEEP BRAIN STIMULATION**
[54] **SYSTEME DE VISUALISATION POUR STIMULATION CEREBRALE PROFONDE**
[72] LAUGHLIN, BRIAN, US
[72] LAUGHLIN, DANE, US
[72] LAUGHLIN, MADISON, US
[73] THE BOEING COMPANY, US
[85] 2020-01-29
[86] 2018-08-14 (PCT/US2018/046606)
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[25] EN
[54] **CURABLE PHOTOCHROMIC COMPOSITION INCLUDING A SEGMENTED POLYMER**
[54] **COMPOSITION PHOTOCHROMIQUE DURCISSABLE COMPRENANT UN POLYMERE SEGMENTE**
[72] ROBINSON, STEPHEN, US
[72] GESTRICH, ANTHONY THOMAS, US
[72] HALEY, MICHAEL FRANK, US
[72] KNOWLES, DAVID B., US
[72] TAYLOR, CATHY A., US
[72] ZEZINKA, ELIZABETH ANN, US
[73] TRANSITIONS OPTICAL, LTD., IE
[85] 2020-02-06
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[25] EN
[54] **PUMPS FOR HOT AND CORROSIVE FLUIDS**
[54] **POMPES POUR FLUIDES CHAUDS ET CORROSIFS**
[72] EJENSTAM, JESPER, SE
[72] WALLENIUS, JANNE, SE
[72] SZAKALOS, PETER, SE
[73] BLYKALLA AB, SE
[85] 2019-11-04
[86] 2017-05-04 (PCT/SE2017/050431)
[87] (WO2017/192097)
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[54] **COATED SOLAR CONTROL GLASS ARTICLES**
[54] **ARTICLES EN VERRE PARE-SOLEIL REVETUS**
[72] MISRA, SOUMYADEEP, IN
[72] BASU, ARPAN, IN
[72] KULKARNI, SHRIJIT SUDHIR, IN
[72] KAPADIA, PRADEEP, IN
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-02-28
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[25] EN
[54] **BOX WITH INNER BAG FOR LIQUID FOOD**
[54] **BOITE DOTEE D'UN SAC INTERNE DESTINE A UN ALIMENT LIQUIDE**
[72] TACHENY, THIERRY, BE
[72] MERTENS DE MILMARS, ETIENNE, BE
[73] INVINEO S.A., BE
[85] 2020-03-10
[86] 2017-11-27 (PCT/IB2017/001452)
[87] (WO2018/100424)
[30] US (15/366,313) 2016-12-01

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[51] **Int.Cl. A61K 38/06 (2006.01) A23L 33/18 (2016.01) A61K 38/05 (2006.01)**
[25] EN
[54] **USE OF PEPTIDES AS THERAPEUTIC AGENT FOR AUTOIMMUNE DISEASES AND BONE DISEASES**
[54] **UTILISATION DE PEPTIDES EN TANT QU'AGENT THERAPEUTIQUE CONTRE DES MALADIES AUTO-IMMUNES ET DES MALADIES OSSEUSES**
[72] CHO, DAE HO, KR
[72] KIM, KYUNG EUN, KR
[72] KIM, MYUN SOO, KR
[72] PARK, SUN YOUNG, KR
[72] JUNG, HEE YOUNG, KR
[73] KINE SCIENCES CO., LTD., KR
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[25] EN
[54] **IMPROVED ANIMAL FEED COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS AMELIOREES D'ALIMENTATION ANIMALE ET PROCEDES D'UTILISATION**
[72] WATSON, EILEEN DOROTHEA, US
[72] WITHERSPOON, DAVID, US
[72] IRAGAVARAPU, TAMMIRAJ KUMAR, US
[73] SYNGENTA PARTICIPATIONS AG, CH
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[25] EN
[54] **ELECTRICALLY INSULATIVE AND THERMALLY CONDUCTIVE PARALLEL BATTERY COOLING AND TEMPERATURE CONTROL SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT ELECTRIQUEMENT ISOLANT ET THERMOCONDUCTEUR EN PARALLELE DES BATTERIES ET SYSTEME DE REGULATION DE TEMPERATURE**
[72] PIGGOTT, ALFRED, US
[73] APPLIED THERMOELECTRIC SOLUTIONS, LLC, US
[86] (3077577)
[87] (3077577)
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[25] EN
[54] **APPARATUS AND METHOD TO DISPENSE FEMININE HYGIENE PRODUCTS USING A MOTION SENSOR**
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION DE PRODUITS D'HYGIENE FEMININE A L'AIDE D'UN CAPTEUR DE MOUVEMENT**
[72] MORAD, FRED I., US
[72] ACOSTA, ROBERT A., US
[73] TRANZONIC COMPANIES, US
[85] 2020-04-02
[86] 2018-08-07 (PCT/US2018/045540)
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[30] US (62/570,596) 2017-10-10
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[25] EN
[54] **MEASUREMENT CONFIGURATION METHOD AND SYSTEM FOR TERMINAL HAVING MULTI-RADIO-FREQUENCY RECEPTION CAPABILITY, AND TERMINAL**
[54] **PROCEDE ET SYSTEME DE CONFIGURATION DE MESURE POUR TERMINAL A CAPACITE DE RECEPTION MULTI-RADIOFREQUENCE, ET TERMINAL ASSOCIE**
[72] YANG, NING, CN
[72] LIU, JIANHUA, CN
[72] ZHANG, ZHI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] EN
[54] **GLYCEROL-SILICONE ELASTOMERS AS ACTIVE MATRICES WITH CONTROLLABLE RELEASE PROFILES**
[54] **ELASTOMERES DE GLYCEROL-SILICONE EN TANT QUE MATRICES ACTIVES A PROFILS DE LIBERATION CONTROLABLES**
[72] SKOV, ANNE LADEGAARD, DK
[72] BROOK, MICHAEL ADRIAN, CA
[72] MAZUREK, PIOTR STANISLAW, DK
[73] DANMARKS TEKNISKE UNIVERSITET, DK
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[25] EN
[54] **PIPER LAETISPICUM EXTRACT AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **EXTRAIT DE PIPER LAETISPICUM ET SA METHODE DE PREPARATION ET SON UTILISATION**
[72] DING, XIUJUAN, CN
[72] CHEN, WU, CN
[72] JIANG, YI, CN
[72] LI, YONGBAO, CN
[73] SUZHOU YI-HUA BIOMEDICAL TECHNOLOGY CO., LTD, CN
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[25] EN
[54] **OXADIAZOLES AND THIADIAZOLES AS TGF-BETA INHIBITORS**
[54] **OXADIAZOLES ET THIADIAZOLES EN TANT QU'INHIBITEURS DU TGF-BETA**
[72] MURPHY-ULLRICH, JOANNE, US
[72] SUTO, MARK J., US
[72] GUPTA, VANDANA V., US
[72] MATHEW, BINI, US
[73] SOUTHERN RESEARCH INSTITUTE, US
[73] UAB RESEARCH FOUNDATION, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057798)
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[25] EN
[54] **LINKER UNITS AND THEIR USES IN CONFIGURING PHARMACEUTICAL MOLECULES**
[54] **UNITES DE LIEURS ET UTILISATIONS DANS LA CONFIGURATION DE MOLECULES PHARMACEUTIQUES**
[72] CHANG, TSE-WEN, TW
[72] CHU, HSING-MAO, TW
[72] CHEN, JOU-HAN, TW
[72] LIN, CHUN-YU, TW
[72] LIN, CHIEN-JEN, TW
[73] ACADEMIA SINICA, TW
[86] (3081058)
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[54] **LIPASE VARIANTS FOR PHARMACEUTICAL USE**
[54] **VARIANTES LIPASIQUES POUR UNE UTILISATION PHARMACEUTIQUE**
[72] SVENDSEN, ALLAN, DK
[72] SKJOET, MICHAEL, DK
[72] YAVER, DEBBIE, US
[72] LARSEN, SIGNE ESKILDSEN, DK
[72] LUNDIN, NINA, DK
[72] LAMSA, MICHAEL, US
[72] GREGORY, PETER COLIN, DE
[72] CHRISTENSEN, LARS LEHMANN HYLLING, DK
[73] NOVOZYMES A/S, DK
[73] NOVOZYMES, INC., US
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[22] 2007-12-12
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[51] **Int.Cl. E21F 13/00 (2006.01) E21F 11/00 (2006.01)**
[25] EN
[54] **INERTIAL ANALYZER FOR VERTICAL MINING CONVEYANCES AND METHOD THEREOF**
[54] **ANALYSEUR INERTIEL POUR MOYENS DE TRANSPORT UTILISE DANS LES MINES ET PROCEDE CONNEXE**
[72] GERMAIN, YAN, CA
[72] COTE, DANIEL, CA
[72] GERMAIN, LOUIS, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
[86] (3081508)
[87] (3081508)
[22] 2020-05-28
[30] US (62/853,234) 2019-05-28

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[51] **Int.Cl. B64D 45/00 (2006.01) B64C 13/16 (2006.01) G05D 1/24 (2024.01)**
[25] EN
[54] **POTENTIAL AIRCRAFT TRAJECTORY WIND EFFECT COMPUTATION**
[54] **CALCUL DE L'EFFET DU VENT SUR UNE TRAJECTOIRE POTENTIELLE D'AERONEF**
[72] PROSSER, KEVIN, US
[73] GULFSTREAM AEROSPACE CORPORATION, US
[85] 2020-05-07
[86] 2018-11-14 (PCT/US2018/061090)
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[30] US (62/586,022) 2017-11-14

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[51] **Int.Cl. H04W 72/231 (2023.01)**
[25] EN
[54] **SLOT FORMAT INDICATION METHOD AND RELATED PRODUCT**
[54] **PROCEDE D'INDICATION DE FORMAT DE CRENEAU ET PRODUIT ASSOCIE**
[72] SHEN, JIA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-05-14
[86] 2017-11-17 (PCT/CN2017/111619)
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[51] **Int.Cl. A61N 5/00 (2006.01) A61K 35/30 (2015.01)**
[25] EN
[54] **A METHOD FOR TREATING DAMAGED PERIPHERAL NERVES USING X-RAY MICROBEAM IRRADIATION**
[54] **METHODE DE TRAITEMENT DE NERFS PERIPHERIQUES ENDOMMAGES A L'AIDE D'UNE IRRADIATION PAR MICRO-FAISCEAU DE RAYONS X**
[72] DILMANIAN, F., AVRAHAM, US
[73] THE RESEARCH FOUNDATION FOR STATE UNIVERSITY OF NEW YORK, US
[85] 2020-05-14
[86] 2018-11-16 (PCT/US2018/061619)
[87] (WO2019/099902)
[30] US (62/587,848) 2017-11-17

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[51] **Int.Cl. G02B 21/00 (2006.01) G02B 21/18 (2006.01) G02B 27/28 (2006.01)**
[25] EN
[54] **SYSTEMS, APPARATUSES AND METHODS FOR SIMULTANEOUS MULTI-PLANE IMAGING**
[54] **SYSTEMES, APPAREILS, ET METHODES POUR IMAGERIE MULTI-PLAN SIMULTANEE**
[72] TSYBOULSKI, DMITRI, US
[72] ORLOVA, NATALIA, US
[72] LECOQ, JEROME ANTHONY, US
[72] SAGGAU, PETER, US
[73] ALLEN INSTITUTE, US
[85] 2020-05-21
[86] 2018-12-11 (PCT/US2018/064909)
[87] (WO2019/118433)
[30] US (62/597,864) 2017-12-12
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[51] **Int.Cl. G01V 3/12 (2006.01) G01V 9/00 (2006.01) G01N 22/04 (2006.01)**
[25] EN
[54] **MOISTURE SOIL PROBE SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE SONDE D`HUMIDITE DANS LE SOL**
[72] SCHAEFER, DONALD B., JR., US
[72] WISKUR, GLENN DOWE, US
[72] LIN, TIANYU, US
[72] HODGSON, TREVOR, US
[73] AG GROWTH INTERNATIONAL INC., CA
[86] (3084116)
[87] (3084116)
[22] 2020-06-17
[30] US (16/781,455) 2020-02-04

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[51] **Int.Cl. G06V 10/75 (2022.01) G06V 10/774 (2022.01) G06V 10/82 (2022.01) G06N 3/0464 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **VESSEL TYPE IDENTIFICATION METHOD USING COARSE-TO-FINE CASCADED CONVOLUTIONAL NEURAL NETWORK**
[54] **PROCEDE D'IDENTIFICATION DE TYPE DE NAVIRE FAISANT APPEL A UN RESEAU NEURONAL CONVOLUTIF EN CASCADE A APPROCHE DESCENDANTE**
[72] CHEN, XINQIANG, CN
[72] YANG, YONGSHENG, CN
[72] WU, HUAFENG, CN
[72] CHANG, DAOFANG, CN
[72] YU, ZEWEI, CN
[72] ZHANG, QIANNAN, CN
[72] CHEN, JING, CN
[72] FU, JUNJIE, CN
[72] ZHAO, JANSEN, CN
[72] CHEN, HUIXING, CN
[72] LIU, WEI, CN
[72] LI, JUNJUN, CN
[72] XU, BOWEI, CN
[72] XIAN, JIANGFENG, CN
[73] SHANGHAI MARITIME UNIVERSITY, CN
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[30] CN (201811025411.0) 2018-09-04

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[51] **Int.Cl. B65G 1/04 (2006.01) B25J 5/00 (2006.01) B25J 9/18 (2006.01) G06K 17/00 (2006.01)**
[25] EN
[54] **HANDLING ROBOT AND METHOD FOR RETRIEVING INVENTORY ITEM BASED ON HANDLING ROBOT**
[54] **ROBOT DE TRANSPORT ET PROCEDE DE RAMASSAGE BASE SUR UN ROBOT DE TRANSPORT**
[72] CHENG, JUI-CHUN, CN
[72] XU, SHENGDONG, CN
[72] CHEN, YUQI, CN
[73] HAI ROBOTICS CO., LTD., CN
[85] 2020-05-13
[86] 2018-09-07 (PCT/CN2018/104654)
[87] (WO2019/095804)
[30] CN (201711141498.3) 2017-11-14
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[25] EN
[54] **WATER FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRATION D'EAU**
[72] SHARMA, VIKAS KUMAR, US
[72] VENKATARAMAN, SHRIRAM, US
[73] PEPSICO, INC., US
[85] 2020-06-08
[86] 2018-12-17 (PCT/US2018/066034)
[87] (WO2019/126053)
[30] US (15/851,097) 2017-12-21

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[51] **Int.Cl. E21B 23/14 (2006.01) E21B 17/02 (2006.01) E21B 17/10 (2006.01) E21B 19/24 (2006.01)**
[25] EN
[54] **A GUIDE DEVICE**
[54] **DISPOSITIF DE GUIDAGE**
[72] MCCORMICK, STEPHEN PETER, NZ
[73] PETROMAC IP LIMITED, NZ
[85] 2020-06-10
[86] 2019-01-04 (PCT/NZ2019/050001)
[87] (WO2019/135683)
[30] NZ (738892) 2018-01-05

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[13] C
[51] **Int.Cl. B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PICKING ITEMS**
[54] **SYSTEME ET PROCEDE DE PRELEVEMENT D'ARTICLES**
[72] LINDBO, LARS SVERKER TURE, GB
[72] INGRAM-TEDD, ANDREW JOHN, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2020-06-18
[86] 2019-01-22 (PCT/EP2019/051528)
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[51] **Int.Cl. A01K 61/13 (2017.01) A01K 63/04 (2006.01) C02F 3/34 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING QUALITY OF AQUACULTURE POND WATER USING A NUTRIENT GERMINANT COMPOSITION AND SPORE INCUBATION METHOD**
[54] **PROCEDE D'AMELIORATION DE LA QUALITE DE L'EAU D'UN BASSIN D'AQUACULTURE A L'AIDE D'UNE COMPOSITION DE GERMINAT NUTRITIVE ET D'UN PROCEDE D'INCUBATION DE SPORES**
[72] GREENWALD, CHARLES J., US
[72] EVERETT, GABRIEL F.K., US
[72] PRUITT, JUDY, US
[72] ROSMARIN, AMANDA, US
[72] CHURCH, JORDAN E., US
[72] ABERLE, DANIEL, US
[72] ABOAGYE, GEORGE, GB
[72] WHITE, SKYLAR RAE, US
[72] CAO, HAIBO, US
[72] ZETENA, CHRISTOPHER, US
[72] GILLESPIE, KELLY, US
[73] NCH CORPORATION, US
[85] 2020-07-08
[86] 2019-01-31 (PCT/US2019/016020)
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[51] **Int.Cl. B23K 37/00 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WELDING ASSET IDENTIFICATION**
[54] **SYSTEMES ET METHODES D'IDENTIFICATION DE BIENS DE SOUDAGE**
[72] RAPPL, JAMES FRANCIS, US
[72] HOLVERSON, TODD, US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3088377)
[87] (3088377)
[22] 2020-07-29
[30] US (62/893,459) 2019-08-29
[30] US (16/935,803) 2020-07-22

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[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **TOOL FOR OPENING AND CLOSING SLEEVES WITHIN A WELLBORE**
[54] **OUTIL POUR L'OUVERTURE ET LA FERMETURE DE MANCHONS DANS UN PUITS DE FORAGE**
[72] JOHNSON, TIM, CA
[72] GETZLAF, DON, CA
[73] NCS MULTISTAGE INC., CA
[86] (3090235)
[87] (3090235)
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[25] EN
[54] **BEVERAGE POWDER AND METHOD**
[54] **POUDRE DE BOISSON ET PROCEDE**
[72] NCHARI, LUANGA, GB
[72] MASSEY, AYSE TULAY, GB
[72] CLOSE, JAMES, GB
[72] ALMANT, MEHDI, GB
[72] WEST, SARAH, GB
[72] ONG, ZHEN KAI, GB
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2020-08-05
[86] 2019-02-06 (PCT/EP2019/052894)
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[13] C
[51] **Int.Cl. B23K 9/06 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO PROVIDE WELDING-TYPE ARC STARTING AND STABILIZATION WITH REDUCED OPEN CIRCUIT VOLTAGE**
[54] **SYSTEMES ET METHODES DE DEMARRAGE ET DE STABILISATION D'UN ARC DE SOUDAGE A TENSION EN CIRCUIT OUVERT REDUITE**
[72] VOGEL, BERNARD J., US
[72] MADSEN, MICHAEL D., US
[73] ILLINOIS TOOL WORKS INC., US
[86] (3092044)
[87] (3092044)
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[25] EN
[54] **CLATHRATE-CONTAINING DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE CONTENANT DU CLATHRATE**
[72] SZILLAT, FLORIAN, DE
[72] RENN, CAROLINE, DE
[72] SCHEUFLER, CHRISTIAN, DE
[72] BRENNEISEN, JORG, DE
[73] DENTSPLY DETREY GMBH, DE
[85] 2020-09-01
[86] 2019-03-05 (PCT/EP2019/055393)
[87] (WO2019/170640)
[30] EP (18160500.7) 2018-03-07

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[25] EN
[54] **AN AUTOMATED, CLOUD-BASED, POINT-OF-CARE (POC) PATHOGEN AND ANTIBODY ARRAY DETECTION SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE DETECTION DE RESEAU D`ANTICORPS ET D`AGENTS PATHOGENES DE POINT D`INTERVENTION AUTOMATISES ET BASES SUR L`INFONUAGIQUE**
[72] SHACHAR, JOSH, US
[72] FELGNER, PHILIP, US
[72] MADOU, MARC, US
[73] AUTONOMOUS MEDICAL DEVICES INC., US
[86] (3093147)
[87] (3093147)
[22] 2020-08-27
[30] US (16/714,421) 2019-12-13
[30] US (16/912,568) 2020-06-25

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[51] **Int.Cl. G10L 15/30 (2013.01) H04W 84/18 (2009.01) H04W 88/02 (2009.01) H01Q 5/00 (2015.01) H04B 1/38 (2015.01) H04B 1/40 (2015.01) H04B 7/155 (2006.01) H04R 1/08 (2006.01)**
[25] EN
[54] **RANGE EXTENDER DEVICE**
[54] **DISPOSITIF A PROLONGATEUR D'AUTONOMIE**
[72] TANG, VIVIAN W., US
[72] WANG, LI YA, US
[72] CHEN, YU-MING, US
[72] HEMMADY, MIHIKA, US
[72] LIN, DUANYING, US
[72] LEE, YAU-SHING, US
[72] HECKMANN, FREDERIC, US
[73] GOOGLE LLC, US
[85] 2020-09-22
[86] 2019-09-26 (PCT/US2019/053225)
[87] (WO2021/061130)

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/55 (2006.01) C07K 14/735 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ELIMINATION OF PD-L1-POSITIVE MALIGNANCIES BY PD-L1 CHIMERIC ANTIGEN RECEPTOR-EXPRESSING NK CELLS**
[54] **ELIMINATION DE MALIGNITES POSITIVES POUR PD-L1 PAR DES CELLULES NK EXPRIMANT UN RECEPTEUR D'ANTIGENE CHIMERIQUE PD-L1**
[72] KLINGEMANN, HANS G., US
[72] BOISSEL, LAURENT H., US
[72] DANDAPAT, ABHIJIT, US
[73] NANTKWEST, INC., US
[85] 2020-09-15
[86] 2019-08-01 (PCT/US2019/044637)
[87] (WO2020/091868)
[30] US (62/753,740) 2018-10-31

[11] **3,097,631**
[13] C
[51] **Int.Cl. F16L 3/137 (2006.01) F16L 53/38 (2018.01)**
[25] EN
[54] **THERMOSTAT RETENTION STRAP MEMBER**
[54] **ELEMENT DE COURROIE DE MAINTIEN DU THERMOSTAT**
[72] DONLAN, ANDREW J., CA
[72] MAZUR, PAUL E., CA
[72] HOLFEUER, JACOB, CA
[73] APPLETON GRP LLC, US
[86] (3097631)
[87] (3097631)
[22] 2020-10-29
[30] US (16/704,397) 2019-12-05

[11] **3,097,692**
[13] C
[51] **Int.Cl. C07D 405/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **PYRAZO-TETRAHYDROISOQUINOLINE DERIVATIVES AS DOPAMINE D1 RECEPTOR POSITIVE MODULATORS**
[54] **DERIVES DE PYRAZO-TETRAHYDROISOQUINOLEINE EN TANT QUE MODULATEURS POSITIFS DU RECEPTEUR D1 DE LA DOPAMINE**
[72] COATES, DAVID ANDREW, US
[72] HAO, JUNLIANG, US
[72] HILLIARD, DARRYL WAYNE, US
[73] ELI LILLY AND COMPANY, US
[85] 2020-10-19
[86] 2019-04-17 (PCT/US2019/027842)
[87] (WO2019/204418)
[30] US (62/660,622) 2018-04-20

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[13] C
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 47/69 (2017.01) A61K 9/127 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **LIPID-BASED FORMULATIONS FOR THE DELIVERY OF RNA**
[54] **FORMULATIONS A BASE DE LIPIDES POUR L'ADMINISTRATION D'ARN**
[72] DOHMEN, CHRISTIAN, DE
[72] MYKHAILYK, OLGA, DE
[73] ETHRIS GMBH, DE
[85] 2020-10-23
[86] 2019-04-25 (PCT/EP2019/060644)
[87] (WO2019/207060)
[30] EP (18169325.0) 2018-04-25
[30] EP (18189010.4) 2018-08-14

[11] **3,099,632**
[13] C
[51] **Int.Cl. G06F 15/16 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING A RISK OF IMPLIEDLY OVERRULED CONTENT BASED ON CITATIONALLY RELATED CONTENT**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION D'UN RISQUE D'UN CONTENU IMPLICITEMENT REJETE SUR LA BASE D'UN CONTENU CONNEXE EN CITATION**
[72] CUSTIS, TONYA, US
[72] BROOKE, JULIAN, CA
[72] MADAN, KANIKA, CA
[72] MARTINEZ ALONSO, HECTOR, GB
[72] FAZLY, AFSANEH, CA
[72] MOULINIER, ISABELLE, US
[72] MCELVAIN, GAYLE, US
[72] ERICKSON, DIANE, US
[72] AMMAR, KHALED, CA
[73] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2020-11-05
[86] 2019-05-14 (PCT/IB2019/054000)
[87] (WO2019/220349)
[30] US (62/671,076) 2018-05-14

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[13] C
[51] **Int.Cl. G01M 99/00 (2011.01) E04D 13/00 (2006.01) G01K 1/14 (2021.01) G01M 3/26 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **ROOF MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE TOIT**
[72] OLEN, ADAM, US
[73] V2T IP, LLC, US
[86] (3100283)
[87] (3100283)
[22] 2020-11-20

[11] **3,100,308**
[13] C
[51] **Int.Cl. C07D 333/10 (2006.01) A61K 31/34 (2006.01) A61K 31/381 (2006.01) A61K 31/4436 (2006.01) A61P 1/16 (2006.01) C07D 409/04 (2006.01)**
[25] EN
[54] **COMPOUND AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **COMPOSE ET COMPOSITION PHARMACEUTIQUE QUI EN CONTIENT**
[72] KIM, JUNG JU, KR
[72] SONG, SEONG-WON, KR
[72] SHIN, HYE JEONG, KR
[72] CHOI, HYEONGWAN, KR
[73] AUTOPHAGYSCIENCES INC., KR
[85] 2020-11-13
[86] 2019-05-31 (PCT/KR2019/006606)
[87] (WO2019/231290)
[30] KR (10-2018-0063496) 2018-06-01

[11] **3,100,455**
[13] C
[51] **Int.Cl. A47H 1/02 (2006.01)**
[25] EN
[54] **CURTAIN ROD ASSEMBLY**
[54] **ASSEMBLAGE DE TRINGLE A RIDEAUX**
[72] WIRIATH, MAXIME, CA
[72] WANG, GAOFENG, CN
[72] LIU, XIANG, CN
[72] JIA, ZHIMIN, CN
[73] COMMONWEALTH HOME FASHIONS INC., CA
[73] YUYAO CITY YISHENG METAL PRODUCTS CO., LTD., CN
[86] (3100455)
[87] (3100455)
[22] 2020-11-23
[30] CN (201922039421.6) 2019-11-23

[11] **3,101,475**
[13] C
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 35/17 (2015.01) A61K 31/395 (2006.01) A61K 31/4015 (2006.01) A61K 31/415 (2006.01) A61K 31/4745 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THE USE OF MONOTERPENE, SESQUITERPENE, OR THEIR DERIVATIVES TO PERMEARBILIZE THE BLOOD BRAIN BARRIER**
[54] **UTILISATION DU MONOTERPENE, DU SESQUITERPENE OU DE LEURS DERIVES POUR PERMEABILISER LA BARRIERE HEMATO-ENCEPHALIQUE**
[72] CHEN, THOMAS, US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[85] 2020-11-02
[86] 2019-02-07 (PCT/US2019/017076)
[87] (WO2019/157195)
[30] US (62/627,933) 2018-02-08
[30] US (62/716,190) 2018-08-08

[11] **3,101,938**
[13] C
[51] **Int.Cl. F24F 6/04 (2006.01)**
[25] EN
[54] **BACKPLANE ADJUSTABLE HUMIDIFIER**
[54] **HUMIDIFICATEUR REGLABLE DE PANNEAU ARRIERE**
[72] BRABEC, JAN, US
[72] HOFF, CHARLES N., US
[73] ADEMCO INC., US
[86] (3101938)
[87] (3101938)
[22] 2020-12-08
[30] US (16/719721) 2019-12-18

[11] **3,101,939**
[13] C
[51] **Int.Cl. A01N 1/02 (2006.01) A61K 35/14 (2015.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CRYOPRESERVATION AND RESUSPENSION OF BODY FLUIDS**
[54] **PROCEDES ET SYSTEMES DE CRYOCONSERVATION ET DE REMISE EN SUSPENSION DE LIQUIDES ORGANIQUES**
[72] DUMONT, LARRY J., US
[73] VITALANT, US
[85] 2020-11-27
[86] 2019-05-28 (PCT/US2019/034136)
[87] (WO2019/231890)
[30] US (62/678,765) 2018-05-31

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[13] C
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/4184 (2006.01) A61P 31/14 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **ANTIVIRAL COMPOUNDS**
[54] **COMPOSES ANTIVIRAUX**
[72] BACON, ELIZABETH M., US
[72] COTTELL, JEROMY J., US
[72] KATANA, ASHLEY ANNE, US
[72] KATO, DARRYL, US
[72] KRYGOWSKI, EVAN S., US
[72] LINK, JOHN O., US
[72] TAYLOR, JAMES, US
[72] TRAN, CHINH VIET, US
[72] TREJO MARTIN, TERESA ALEJANDRA, US
[72] YANG, ZHENG-YU, US
[72] ZIPFEL, SHEILA, US
[73] GILEAD SCIENCES, INC., US
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[87] (3102625)
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[54] **SEXUAL MATURATION IN RAINBOW TROUT**
[54] **MATURATION SEXUELLE DE LA TRUITE ARC-EN-CIEL**
[72] KNUTSEN, TIM MARTIN, NO
[72] KORSVOLL, SVEN ARILD, NO
[72] NIELSEN, TORBEN FEJER, NO
[73] AQUAGEN AS, NO
[86] (3102740)
[87] (3102740)
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[54] **SYSTEMS AND METHODS FOR MOBILE POINT-OF-SALE TRANSACTIONS**
[54] **SYSTEMES ET METHODES DE TRANSACTIONS EN POINT DE VENTE MOBILE**
[72] SARTORI, LUKE JAMES, CA
[72] MAAN, DAANISH, CA
[72] NITSCH, PETER, CA
[72] DEFAZIO, MICHAEL, CA
[72] ZALDIVAR, SILVANA, CA
[72] MOORE, GREGORY, CA
[73] SHOPIFY INC., CA
[86] (3103112)
[87] (3103112)
[22] 2020-12-18
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[54] **TECHNIQUE SIMULATOR**
[54] **SIMULATEUR DE TECHNIQUE**
[72] TAKAHASHI, MAKOTO, JP
[72] FUKAMIZU, JUNICHI, JP
[72] NOZAWA, DAIKI, JP
[72] OZAKI, KOUJI, JP
[73] TERUMO KABUSHIKI KAISHA, JP
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[25] EN
[54] **VIRTUAL LINE-IN**
[54] **LIGNE VIRTUELLE**
[72] COBURN IV, ARTHUR L., US
[72] KOTOWSKI, CHRIS, US
[72] FARUQUE, ARVIN, US
[73] SONOS, INC., US
[85] 2020-12-16
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[25] EN
[54] **ORAL CARE COMPOSITIONS COMPRISING BENZOCAINE AND MUCOADHESIVE THIN FILMS FORMED THEREFROM**
[54] **COMPOSITIONS DE SOIN BUCCODENTAIRE COMPRENANT DE LA BENZOCAINE ET FILMS MINCES MUCOADHESIFS FORMES A PARTIR DE CELLES-CI**
[72] GRANT, SARAH LINDSAY, GB
[72] WALSH, DOMINIC, GB
[72] LIVINGSTONE, MARK ALEXANDER, GB
[73] CHURCH & DWIGHT CO., INC., US
[85] 2020-12-17
[86] 2019-06-20 (PCT/IB2019/055222)
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[25] EN
[54] **REAGENT STORAGE DEVICES AND METHODS FOR SAME**
[54] **DISPOSITIFS DE STOCKAGE DE REACTIFS ET LEURS PROCEDES ASSOCIES**
[72] PEARCY, TIMOTHY E., US
[72] ROSE, STEVE, US
[73] BIOLYPH, LLC, US
[85] 2021-01-11
[86] 2019-07-10 (PCT/US2019/041267)
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[25] EN
[54] **MASH FILTER MEMBRANE**
[54] **MEMBRANE DE FILTRE A MAISCHE**
[72] VAN NUUS, MARTINUS ADRIANUS, NL
[73] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2021-01-25
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[25] EN
[54] **ACCELERATED DEEP LEARNING**
[54] **APPRENTISSAGE PROFOND ACCELERE**
[72] LIE, SEAN, US
[72] MORRISON, MICHAEL, US
[72] JAMES, MICHAEL EDWIN, US
[72] LAUTERBACH, GARY R., US
[72] AREKAPUDI, SRIKANTH, US
[73] CEREBRAS SYSTEMS INC., US
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[30] US (62/542,645) 2017-08-08
[30] US (62/542,657) 2017-08-08
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[25] EN
[54] **DODGER AND OTHER FISH ATTRACTANT SPREADER DEVICE FOR USE WHILE TROLLING**
[54] **ATTRACTEUR ET AUTRE DISPOSITIF D`EPANDAGE D`ATTRACTIF A POISSON A UTILISER POUR LA PECHE A LA TRAINE**
[72] SOLLITT, GLENN RALSTON, CA
[73] SOLLITT, GLENN RALSTON, CA
[86] (3108667)
[87] (3108667)
[22] 2021-02-12
[30] US (62/979,179) 2020-02-20

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[25] EN
[54] **SYSTEMS, CATHETERS, AND METHODS FOR TREATING ALONG THE CENTRAL NERVOUS SYSTEM**
[54] **SYSTEMES, CATHETERS ET METHODES DE TRAITEMENT LE LONG DU SYSTEME NERVEUX CENTRAL**
[72] VASE, ABHI, US
[73] MINNETRONIX NEURO, INC., US
[85] 2021-02-03
[86] 2019-08-08 (PCT/US2019/045811)
[87] (WO2020/033773)
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[25] EN
[54] **METHOD FOR CONTROLLING ELECTRICAL CONSUMERS OF AN ELECTRICAL SUPPLY GRID**
[54] **PROCEDE POUR LA COMMANDE DE CONSOMMATEURS ELECTRIQUES D'UN RESEAU D'ALIMENTATION ELECTRIQUE**
[72] BROMBACH, JOHANNES, DE
[72] MACKENSEN, INGO, DE
[72] GERTJEGERDES, STEFAN, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2021-02-05
[86] 2019-07-29 (PCT/EP2019/070316)
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[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING SLOT-FORMAT AND STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE DETERMINATION DE FORMAT DE CRENEAU, ET SUPPORT D'INFORMATIONS**
[72] XU, WEIJIE, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-02-09
[86] 2018-08-17 (PCT/CN2018/101188)
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[25] EN
[54] **ENCODING AND DECODING METHOD, APPARATUS AND COMMUNICATION SYSTEM**
[54] **METHODE, APPAREIL ET SYSTEME DE COMMUNICATION POUR LE CODAGE ET LE DECODAGE**
[72] HUO, JUNYAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-02-16
[86] 2020-09-25 (PCT/CN2020/117911)
[87] (WO2021/063270)
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[25] EN
[54] **RESOURCE ALLOCATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE D'ATTRIBUTION DE RESSOURCES, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-02-10
[86] 2018-09-18 (PCT/CN2018/106337)
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[25] EN
[54] **REFLECTION SUPPRESSION IN NEAR EYE DISPLAYS**
[54] **SUPPRESSION DE REFLEXION DANS DES AFFICHEURS PRES DE L'OEIL**
[72] DANZIGER, YOCHAY, IL
[72] RONEN, EITAN, IL
[72] GELBERG, JONATHAN, IL
[72] EISENFELD, TSION, IL
[72] SHAPIRA, AMIR, IL
[73] LUMUS LTD., IL
[85] 2021-02-16
[86] 2019-08-26 (PCT/IB2019/057149)
[87] (WO2020/044198)
[30] US (62/722,903) 2018-08-26
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[13] C
[51] **Int.Cl. A61K 31/573 (2006.01) A61K 9/127 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR CONTROLLED RELEASE OF WEAK ACID DRUGS AND USES THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE DESTINEE A LA LIBERATION CONTROLEE DE MEDICAMENTS A BASE D'ACIDE FAIBLE ET UTILISATIONS CORRESPONDANTES**
[72] KAN, PEI, TW
[72] LIN, YI FONG, TW
[72] CHEN, KO CHIEH, TW
[73] PHARMOSA BIOPHARM INC., TW
[85] 2021-02-16
[86] 2019-09-12 (PCT/US2019/050769)
[87] (WO2020/056104)
[30] US (62/731,101) 2018-09-14

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[51] **Int.Cl. G01P 15/00 (2006.01) G01C 22/00 (2006.01) G01M 17/013 (2006.01) G01P 3/68 (2006.01) G01P 7/00 (2006.01)**
[25] EN
[54] **STATIONARY STATE DETERMINATION, SPEED MEASUREMENTS**
[54] **DETERMINATION D'ETAT STATIONNAIRE, MESURES DE VITESSE**
[72] DE-THOMASIS, MARCO, CA
[72] GREEN, ALON, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
[85] 2021-02-18
[86] 2019-09-20 (PCT/IB2019/057998)
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[51] **Int.Cl. H02S 20/30 (2014.01) H02S 10/12 (2014.01) H02S 20/32 (2014.01) H02S 30/20 (2014.01)**
[25] EN
[54] **A SOLAR ELECTRICAL GENERATOR**
[54] **GENERATEUR ELECTRIQUE SOLAIRE**
[72] PARKER-SWIFT, JO, GB
[72] BAKER, JAMES, GB
[72] CRUNDWELL, BEN, GB
[73] SOLIVUS LIMITED, GB
[85] 2021-02-19
[86] 2019-08-20 (PCT/GB2019/052335)
[87] (WO2020/039181)
[30] GB (1813878.4) 2018-08-24

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[51] **Int.Cl. H02P 23/24 (2016.01) B61L 29/22 (2006.01) E01F 13/00 (2006.01)**
[25] EN
[54] **DIRECTION CONTROL FOR A MOTOR OF A GATE CROSSING MECHANISM**
[54] **COMMANDE DE DIRECTION POUR UN MOTEUR D`UNE COMMANDE DE BARRIERE**
[72] REED, QUINTON, US
[73] SIEMENS MOBILITY, INC., US
[86] (3110192)
[87] (3110192)
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[13] C
[51] **Int.Cl. H04B 1/04 (2006.01) H04B 1/18 (2006.01)**
[25] EN
[54] **DEPLOYABLE RADIO UNITS**
[54] **UNITES RADIO DEPLOYABLES**
[72] CHERDAK, BRIAN, US
[72] NICHOLS, ALLEN PAUL, US
[72] MITCHELL, JONATHAN F., US
[73] CACI, INC. - FEDERAL, US
[85] 2021-02-23
[86] 2019-09-10 (PCT/US2019/050380)
[87] (WO2020/055843)
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[51] **Int.Cl. G01V 5/10 (2006.01)**
[25] EN
[54] **MULTIPLE SOURCE NEUTRON MEASUREMENT, DEVICE, SYSTEM AND USE THEREOF**
[54] **MESURE DES NEUTRONS DE SOURCES MULTIPLES, DISPOSITIF, SYSTEME ET UTILIS TION ASSOCIES**
[72] KRAMER, HERMANN, CA
[73] ROKE TECHNOLOGIES LTD., CA
[86] (3112118)
[87] (3112118)
[22] 2014-02-18
[62] 2,901,490
[30] US (61/766,826) 2013-02-20
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[13] C
[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 30/0201 (2023.01)**
[25] EN
[54] **METHODS, SYSTEMS, ARTICLES OF MANUFACTURE AND APPARATUS TO PRIVATIZE CONSUMER DATA**
[54] **PROCEDES, SYSTEMES, ARTICLES MANUFACTURES ET APPAREIL DE PRIVATISATION DE DONNEES DE CONSOMMATEURS**
[72] RICHARDSON, BRUCE C., US
[72] LI, SHIXIAO, US
[72] QUINN, MARTIN, US
[72] SMITH, MICHAEL R., US
[73] THE NIELSEN COMPANY (US), LLC, US
[85] 2021-03-08
[86] 2019-09-09 (PCT/US2019/050201)
[87] (WO2020/055742)
[30] US (62/730,169) 2018-09-12
[30] US (16/235,781) 2018-12-28

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[13] C
[51] **Int.Cl. E21D 20/02 (2006.01)**
[25] EN
[54] **PUMPABLE RESIN SYSTEM**
[54] **SYSTEME A RESINE POMPABLE**
[72] MA, LUMIN, US
[72] FAULKNER, DAKOTA, US
[72] STANKUS, JOHN, US
[72] WHARTON, RICHARD, US
[73] J-LOK CO., US
[86] (3113161)
[87] (3113161)
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[13] C
[51] **Int.Cl. G06T 7/50 (2017.01) A43D 1/02 (2006.01)**
[25] EN
[54] **SIZE MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DE TAILLE**
[72] MAEZAWA, YUSAKU, JP
[73] ZOZO, INC., JP
[85] 2021-03-19
[86] 2019-09-17 (PCT/JP2019/036402)
[87] (WO2020/059716)
[30] JP (2018-178086) 2018-09-21
[30] JP (PCT/JP2019/014227) 2019-03-29

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[13] C
[51] **Int.Cl. E21B 47/18 (2012.01)**
[25] EN
[54] **ULTRASONIC INTERVENTIONLESS SYSTEM AND METHOD FOR DETECTING DOWNHOLE ACTIVATION DEVICES**
[54] **SYSTEME ET PROCEDE SANS INTERVENTION ULTRASONORE DE DETECTION DE DISPOSITIFS D'ACTIVATION DE FOND DE TROU**
[72] KALB, FRANK D., US
[73] DRIL-QUIP, INC., US
[85] 2021-03-31
[86] 2019-10-07 (PCT/US2019/055012)
[87] (WO2020/076709)
[30] US (62/743,714) 2018-10-10

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[51] **Int.Cl. H04W 4/44 (2018.01) G07C 5/00 (2006.01) G07C 5/08 (2006.01) G08G 1/127 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC BREAKDOWN DETECTION AND ROADSIDE ASSISTANCE**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE PANNE ET D'ASSISTANCE ROUTIERE AUTOMATIQUES**
[72] ISAAC, EMAD S., US
[72] CHEN, TAO, US
[72] RAO, MANJUNATH, US
[72] UPPADA, UMAMAHESHWAR R., US
[72] BALLESTEROS, RODOLFO ROBERTO, US
[72] NEWELL, STEPHEN ROBERT, US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2021-03-31
[86] 2019-10-03 (PCT/US2019/054540)
[87] (WO2020/072800)
[30] US (16/152,739) 2018-10-05
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[51] **Int.Cl. G10L 15/26 (2006.01) G01L 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A TWO PASS DIARIZATION, AUTOMATIC SPEECH RECOGNITION, AND TRANSCRIPT GENERATION**
[54] **SYSTEMES ET PROCEDES POUR UNE OPERATION DE SEGMENTATION ET REGROUPEMENT A DEUX PASSAGES, RECONNAISSANCE AUTOMATIQUE DE LA PAROLE ET GENERATION DE TRANSCRIPTION**
[72] ROBICHAUD, JEAN-PHILIPPE, CA
[72] SKURIKHIN, ALEXEI, US
[72] JETTE, MIGUEL, CA
[72] STANISLAVOVICH, PETROV EVGENY, RU
[73] REV.COM, INC., US
[85] 2021-04-06
[86] 2019-10-30 (PCT/US2019/058870)
[87] (WO2020/092569)
[30] US (16/177,061) 2018-10-31

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[51] **Int.Cl. G06F 16/904 (2019.01) G06F 16/26 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **GENERATING DATA VISUALIZATIONS ACCORDING TO AN OBJECT MODEL OF SELECTED DATA SOURCES**
[54] **GENERATION DE VISUALISATIONS DE DONNEES SELON UN MODELE D'OBJET DE SOURCES DE DONNEES SELECTIONNEES**
[72] TALBOT, JUSTIN, US
[72] HAU, ROGER, US
[72] CORY, DANIEL, US
[72] OH, JIYOUNG, US
[72] ROBERTS, TERESA, US
[73] TABLEAU SOFTWARE, LLC, US
[85] 2021-04-08
[86] 2019-10-16 (PCT/US2019/056491)
[87] (WO2020/086354)
[30] US (62/748,968) 2018-10-22
[30] US (16/236,612) 2018-12-30
[30] US (16/236,611) 2018-12-30

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[13] C
[51] **Int.Cl. G09F 7/18 (2006.01)**
[25] EN
[54] **ADVERTISING SIGN**
[54] **PRESENTOIR PUBLICITAIRE**
[72] ARMATA, MITCHELL, CA
[73] BD PATENT HOLDINGS INC., CA
[86] (3116480)
[87] (3116480)
[22] 2021-04-28

[11] **3,116,996**
[13] C
[51] **Int.Cl. H04L 67/50 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMIC ROUTING OF MESSAGES BETWEEN NETWORKS**
[54] **SYSTEME ET PROCEDE DE ROUTAGE DYNAMIQUE DE MESSAGES ENTRE RESEAUX**
[72] BADESCU, GABRIEL, US
[72] KAMDAR, KIYANOSH, US
[72] IYCHODIANDA, CHENGAPPA D., US
[72] SIKKA, PANKAJ, US
[72] ABDULAZIZ, SAMER, US
[73] INTUIT INC., US
[85] 2021-04-19
[86] 2019-07-31 (PCT/US2019/044292)
[87] (WO2021/021149)
[30] US (16/523,689) 2019-07-26

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[13] C
[51] **Int.Cl. A47L 9/04 (2006.01) A46B 13/02 (2006.01) A47L 5/30 (2006.01)**
[25] EN
[54] **AGITATOR FOR A SURFACE TREATMENT APPARATUS AND A SURFACE TREATMENT APPARATUS HAVING THE SAME**
[54] **AGITATEUR POUR UN APPAREIL DE TRAITEMENT DE SURFACE ET APPAREIL DE TRAITEMENT DE SURFACE PRESENTANT CE DERNIER**
[72] GACIN, STEVEN, US
[72] THORNE, JASON B., US
[72] UDY, ADAM, GB
[72] BRUNNER, CHARLES S., US
[72] CULLERE, XAVIER F., US
[72] SARDAR, NICHOLAS, GB
[72] VRDOLJAK, OGNJEN, CA
[72] DER MARDEROSIAN, DANIEL R., US
[72] BROWN, ANDRE D., US
[72] INNES, DANIEL J., US
[73] SHARKNINJA OPERATING LLC, US
[85] 2021-04-19
[86] 2019-10-18 (PCT/US2019/056931)
[87] (WO2020/081931)
[30] US (62/747,991) 2018-10-19
[30] US (62/751,015) 2018-10-26
[30] US (62/862,425) 2019-06-17
[30] US (62/887,306) 2019-08-15

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[54] **METHODS AND DEVICES FOR PUNCTURING TISSUE**
[54] **PROCEDES ET DISPOSITIFS POUR PONCTURER UN TISSU**
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[72] ALLEY, FERRYL, CA
[72] DAVIES, GARETH, CA
[72] BECA, BOGDAN, CA
[73] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
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[54] **ANTI-CTLA4 ANTIBODIES, ANTIBODY FRAGMENTS, THEIR IMMUNOCONJUGATES AND USES THEREOF**
[54] **ANTICORPS ANTI-CTLA4, FRAGMENTS D'ANTICORPS, LEURS IMMUNOCONJUGUES ET UTILISATIONS ASSOCIEES**
[72] SHORT, JAY M., US
[72] FREY, GERHARD, US
[72] CHANG, HWAI WEN, US
[73] BIOATLA, INC., US
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[54] **MASONRY COMPOSITIONS COMPRISING CHEMICALLY TREATED CARBON PIGMENTS**
[54] **COMPOSITIONS DE MACONNERIE COMPRENANT DES PIGMENTS DE CARBONE TRAITES CHIMIQUEMENT**
[72] HERRERA FERNANDEZ, MIGUEL A., US
[72] ZHANG, QINGLING, US
[72] NGUYEN, LANG H., US
[72] LAROCHELLE RICHARD, LYNNE K., US
[72] DUPNIK, BENJAMIN, US
[72] MATHEW, JOHN, US
[72] BURGER, KOENRAAD C.J., NL
[72] MOESER, GEOFFREY D., US
[73] CABOT CORPORATION, US
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[25] EN
[54] **DRUG DELIVERY SHUTTLE PUMP SYSTEM AND VALVE ASSEMBLY**
[54] **SYSTEME DE POMPE A NAVETTE D'ADMINISTRATION DE MEDICAMENT ET ENSEMBLE SOUPAPE**
[72] CARDINALI, STEVEN, US
[72] MCGAHREN, LUCAS, US
[72] LAU, NICHOLAS, US
[72] MCLAUGHLIN, IAN, US
[73] INSULET CORPORATION, US
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[25] EN
[54] **MODIFIED IMMUNE-MODULATING PARTICLES COMPRISING POLY(LACTIC ACID)**
[54] **PARTICULES MODIFIEES A MODULATION IMMUNOLOGIQUE COMPRENANT UN ACIDE POLYLACTIQUE**
[72] GETTS, DANIEL, US
[72] TERRY, RACHAEL, AU
[72] KING, NICHOLAS, AU
[73] ONCOUR PHARMA, INC., US
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[54] **PERSONAL CARE COMPOSITION WITH INCREASED VAPOR RELEASE**
[54] **COMPOSITION DE SOINS PERSONNELS A LIBERATION DE VAPEUR ACCRUE**
[72] BINGHAM, STEPHEN, GB
[72] JACKOVA, BARBARA, FR
[72] HAMPTON, JOSHUA, DE
[72] NEWLON, JASON WILLIAM, US
[72] KOCHHAR, JASPREET SINGH, SG
[72] KHANOLKAR, JAYANT, SG
[72] FORNEAR, ALINE, GB
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-04-28
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[54] **MAPPING NATURAL LANGUAGE UTTERANCES TO OPERATIONS OVER A KNOWLEDGE GRAPH**
[54] **METHODE DE CONTROLE DE LA CONTAMINATION MICROBIOLOGIQUE DANS UN ECHANGEUR DE CHALEUR PENDANT LE TRAITEMENT D'UN PRODUIT ALIMENTAIRE**
[72] KUMAR, SRICHARAN KALLUR PALLI, US
[72] OSMON, CYNTHIA JOANN, US
[72] DE PEUTER, CONRAD, US
[72] MEIKE, ROGER C., US
[72] COULOMBE, GREGORY KENNETH, US
[72] MALYNIN, PAVLO, US
[73] INTUIT INC., US
[85] 2021-05-21
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[54] **CONVECTION CONVEYOR OVEN MANIFOLD AND DAMPER SYSTEM**
[54] **COLLECTEUR DE FOUR A CONVOYEUR A CONVECTION ET SYSTEME D'AMORTISSEUR**
[72] SCHJERVEN, WILLIAM S., SR., US
[72] VAN CAMP, RICHARD H., US
[72] CHMIOLA, THEODORE JAMES, US
[72] CARLSON, BRENT JAMES, US
[72] JACOB, ROBERT EDWARD, US
[73] THE MIDDLEBY CORPORATION, US
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[54] **INSERT FOR A POWER TOOL HOUSING**
[54] **PIECE RAPPORTEE POUR UN LOGEMENT D`OUTIL ELECTRIQUE**
[72] BOTHMANN, RICHARD, US
[72] KING, BRIAN C., US
[72] KINSLEY, RAY, US
[73] SNAP-ON INCORPORATED, US
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[54] **METHODS AND COMPOSITIONS FOR CONCRETE PRODUCTION**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE FABRIQUER DU BETON**
[72] NIVEN, ROBERT, CA
[72] MONKMAN, GEORGE SEAN, CA
[72] FORGERON, DEAN PAUL, CA
[72] CAIL, KEVIN, US
[72] BROWN, JOSHUA JEREMY, CA
[72] SANDBERG, PAUL J., US
[72] MACDONALD, MARK, CA
[73] CARBONCURE TECHNOLOGIES INC., CA
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[54] **IMPROVED SYSTEMS AND METHODS FOR MEDICINE DELIVERY**
[54] **SYSTEMES ET PROCEDES AMELIORES D'ADMINISTRATION DE MEDICAMENT**
[72] KNAPP, KEITH, US
[72] MCCAFFREY, NEIL, US
[72] BUTTERBRODT, JAY, US
[72] TAYLOR, MARGARET, US
[72] MARKOWITZ, RUTH, US
[72] SEARLE, GARY, US
[72] GIBNEY, MICHAEL, US
[72] SALEMME, JAMES, US
[72] WALKER, JAMES, US
[72] SULLIVAN, SEAN, US
[72] ELGIN, ERNEST, US
[72] SALTIEL-BERZIN, RITA, US
[73] BECTON, DICKINSON AND COMPANY, US
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[25] EN
[54] **HISTONE ACETYLASE P300 INHIBITOR AND USE THEREOF**
[54] **INHIBITEUR D'HISTONE ACETYLASE P300 ET UTILISATION ASSOCIEE**
[72] FAN, LEI, CN
[72] WANG, FEI, CN
[72] WU, XIAOQUAN, CN
[72] XU, KEXIN, CN
[72] CHEN, KE, CN
[72] LUO, TONGCHUAN, CN
[72] ZHANG, SHAOHUA, CN
[72] DU, WU, CN
[72] ZHANG, CHENGZHI, CN
[72] HUO, YONGXU, CN
[72] TU, ZHILIN, CN
[72] LI, XINGHAI, CN
[72] CHEN, YUANWEI, CN
[73] HINOVA PHARMACEUTICALS INC., CN
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[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING EVENTS IN A CONDUIT**
[54] **PROCEDE ET SYSTEME POUR DETECTER DES EVENEMENTS DANS UN CONDUIT**
[72] DANKERS, ARNE, CA
[72] JALILIAN, SEYED EHSAN, CA
[73] HIFI ENGINEERING INC., CA
[85] 2021-06-01
[86] 2019-12-02 (PCT/CA2019/051731)
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[25] EN
[54] **FITTING FOR A RAIN GUTTER DOWNPIPE**
[54] **RACCORD DE TUYAU DE DESCENTE D'EAUX PLUVIALES POUR GOUTTIERE**
[72] FOX, JESSE, CA
[72] BRAKE, TYLER J., CA
[72] RINKEL, GARRON, CA
[73] F.X. CONSTRUCTION INC., CA
[86] (3123383)
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[25] FR
[54] **SACCHAROMYCES CEREVISIAE YEAST STRAIN FOR THE TREATMENT AND/OR PREVENTION OF OROPHARYNGEAL CANDIDIASIS**
[54] **SOUCHE DE LEVURE SACCHAROMYCES CEREVISIAE POUR LE TRAITEMENT ET/OU LA PREVENTION DE CANDIDOSES OROPHARYNGEES**
[72] BALLET, NATHALIE, FR
[72] DECHERF, AMELIE, FR
[73] LESAFFRE ET COMPAGNIE, FR
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[54] **MULTI-HALF-TONE IMAGING AND DUAL MODULATION PROJECTION/DUAL MODULATION LASER PROJECTION**
[54] **IMAGERIE EN DEMI-TEINTES MULTIPLES ET PROJECTION A MODULATION DOUBLE/PROJECTION LASER A MODULATION DOUBLE**
[72] RICHARDS, MARTIN J., US
[72] SHIELDS, JEROME, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
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[54] **AN APPARATUS AND A METHOD FOR QT CORRECTION**
[54] **APPAREIL ET PROCEDE DE CORRECTION DE QT**
[72] POTAPOV, ILYA, FI
[72] RASANEN, ESA, FI
[72] AALTO-SETALA, KATRIINA, FI
[73] TAMPERE UNIVERSITY FOUNDATION SR, FI
[85] 2021-06-21
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[51] **Int.Cl. C22B 1/243 (2006.01)**
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[54] **PROCESS FOR THE PRODUCTION OF IRON ORE FINES AGGLOMERATE AND THE AGGLOMERATED PRODUCT**
[54] **PROCEDE DE PRODUCTION D'AGGLOMERAT DE FINES DE MINERAI DE FER ET PRODUIT AGGLOMERE**
[72] DUTRA, FLAVIO DE CASTRO, BR
[72] DE RESENDE, VALDIRENE GONZAGA, BR
[72] PARREIRA, FABRICIO VILELA, BR
[73] VALE S.A., BR
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[86] 2019-11-08 (PCT/BR2019/050485)
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[51] **Int.Cl. G01S 7/481 (2006.01) G01S 7/484 (2006.01) G02B 26/12 (2006.01)**
[25] EN
[54] **LIDAR APPARATUS WITH ROTATABLE POLYGON DEFLECTOR HAVING REFRACTIVE FACETS**
[54] **APPAREIL LIDAR AVEC DEFLECTEUR POLYGONAL ROTATIF AYANT DES FACETTES DE REFRACTION**
[72] ANGUS, EDWARD JOSEPH, US
[72] GALLOWAY, RYAN MOORE, US
[73] AURORA OPERATIONS, INC., US
[85] 2021-06-30
[86] 2019-12-23 (PCT/US2019/068351)
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[25] EN
[54] **SUSPENSION REGLABLE COMPRENANT UN DISPOSITIF DE DISTRIBUTION DE FLUIDE**
[54] **ADJUSTABLE SUSPENSION COMPRISING A FLUID DISTRIBUTION DEVICE**
[72] ORTUNO AYUSO, PABLO, FR
[72] GARATE, ZIGOR, FR
[73] DECATHLON, FR
[85] 2021-07-02
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[54] **POROUS MATERIAL WITH MICROSCALE FEATURES**
[54] **MATERIAU POREUX A CARACTERISTIQUES A L'ECHELLE MICROSCOPIQUE**
[72] TUSZYNSKI, MARK H., US
[72] SAKAMOTO, JEFFREY S., US
[72] PAWELEC, KENDELL M., US
[72] KOFFLER, YACOV M., US
[72] SAILOR, MICHAEL, US
[72] ZUIDEMA, JONATHAN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2021-07-07
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[25] EN
[54] **MONITORING AND ALERTING SYSTEMS FOR DETECTING HAZARDOUS CONDITIONS AT LOADING DOCKS**
[54] **SYSTEMES DE SURVEILLANCE ET D'ALERTE PERMETTANT DE DETECTER DES CONDITIONS DANGEREUSES AU NIVEAU DE QUAIS DE CHARGEMENT**
[72] MANONE, JOSEPH, US
[72] SVEUM, MATTHEW, US
[73] RITE-HITE HOLDING CORPORATION, US
[85] 2021-07-08
[86] 2020-02-11 (PCT/US2020/017661)
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[51] **Int.Cl. H01R 33/76 (2006.01) H01R 13/24 (2006.01)**
[25] EN
[54] **IMPROVED INSULATED SOCKET BODY AND TERMINALS FOR A LAND GRID ARRAY SOCKET ASSEMBLY**
[54] **CORPS DE PRISE ISOLE AMELIORE ET BORNES POUR UN ASSEMBLAGE DE PRISE DE BOITIER MATRICIEL TERRESTRE**
[72] TATE, JOHN O., US
[73] TATE, JOHN O., US
[86] (3128080)
[87] (3128080)
[22] 2021-08-12
[30] US (16/991073) 2020-08-12

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[25] EN
[54] **BIOMETRIC PUBLIC KEY SYSTEM PROVIDING REVOCABLE CREDENTIALS**
[54] **SYSTEME DE CLE PUBLIQUE BIOMETRIQUE FOURNISSANT DES JUSTIFICATIFS D'IDENTITE REVOCABLES**
[72] HERDER III, CHARLES H., US
[72] SRIVASTAVA, TINA P., US
[73] BADGE INC., US
[85] 2021-07-29
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[25] EN
[54] **APPARATUS AND METHODS FOR MAPPING HIGH ENERGY RADIATION DOSE DURING RADIATION TREATMENT**
[54] **APPAREIL ET PROCEDES DE CARTOGRAPHIE D'UNE DOSE DE RAYONNEMENT A HAUTE ENERGIE PENDANT UN TRAITEMENT PAR RAYONNEMENT**
[72] POGUE, BRIAN, US
[72] BRUZA, PETR, US
[72] GLADSTONE, DAVID, US
[72] JARVIS, LESLEY A., US
[72] TENDLER, IRWIN, US
[73] THE TRUSTEES OF DARTMOUTH COLLEGE, US
[85] 2021-08-04
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[25] EN
[54] **SIGNALING CHANGE IN OUTPUT LAYER SETS**
[54] **SIGNALER UN CHANGEMENT D'ENSEMBLES DE COUCHES DE SORTIE**
[72] DESHPANDE, SACHIN G., US
[73] DOLBY INTERNATIONAL AB, IE
[86] (3129121)
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[22] 2014-04-04
[62] 3,034,598
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[25] EN
[54] **YIELD FORECASTING USING CROP SPECIFIC FEATURES AND GROWTH STAGES**
[54] **PREVISION DE RENDEMENT A L'AIDE DE CARACTERISTIQUES SPECIFIQUES DE CULTURES ET D'ETAPES DE CROISSANCE**
[72] BENGTSON, JACOB WALKER, CA
[72] BRYANT, CHAD RICHARD, CA
[72] XIAN, CHANGCHI, CA
[72] CUELL, CHARLES, CA
[72] SCHOLTEN, KEILAN, CA
[72] ZOHRA, FATEMA TUZ, CA
[73] FARMERS EDGE INC., CA
[85] 2021-08-10
[86] 2020-03-20 (PCT/CA2020/050369)
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[30] US (62/837,334) 2019-04-23

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[25] EN
[54] **UNDER CABINET/SHELF STORAGE RACK**
[54] **RATELIER D'ENTREPOSAGE SOUS ARMOIRE/ETAGERE**
[72] BECK, RONALD, US
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[54] **LAMINATED CORE, METHOD OF MANUFACTURING SAME, AND ELECTRIC MOTOR**
[54] **NOYAU FEUILLETE, SON PROCEDE DE PRODUCTION ET MACHINE ELECTRIQUE TOURNANTE**
[72] TAKATANI SHINSUKE, JP
[72] FUJII HIROYASU, JP
[72] TAKEDA KAZUTOSHI, JP
[73] NIPPON STEEL CORPORATION, JP
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[54] **METHOD AND SYSTEM FOR CREATING A PERSONALIZED EXPERIENCE WITH VIDEO IN CONNECTION WITH A STORED VALUE TOKEN**
[54] **PROCEDE ET SYSTEME DE CREATION D'UNE EXPERIENCE PERSONNALISEE AVEC UNE VIDEO EN CONNEXION AVEC UN JETON A VALEUR STOCKEE**
[72] RUNNELS, NICOLE, US
[72] WONG, MADELINE, US
[72] CLARK, NATHAN, US
[72] HARPER, ANDREW, US
[72] SQUIRES, MACKENZIE, US
[72] BRADSHAW, RANDY LEE, US
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[54] **SYSTEMS AND METHODS FOR PREDICTING OPERATIONAL EVENTS**
[54] **SYSTEMES ET METHODES DE PREDICTION D'EVENEMENTS OPERATIONNELS**
[72] JALAL, ADAM, CA
[73] BANK OF MONTREAL, CA
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[54] **FOUR A MICRO-ONDES DE TYPE TIROIR**
[72] FENG, LIANGWANG, CN
[72] LI, FENG, CN
[73] GUANGDONG GALANZ ENTERPRISES CO., LTD., CN
[73] GUANGDONG GALANZ MICROWAVE ELECTRICAL APPLIANCES MANUFACTURING CO., LTD., CN
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[54] **COOPERATING TANK AND RACK SUPERSTRUCTURE**
[54] **SUPERSTRUCTURE DE RACK ET RESERVOIRS COOPERANTE**
[72] AROLD, MARK, US
[72] HUDAK, JOSEPH, US
[72] JAEGER, CHRISTOPHER, US
[72] KIM, TAE, US
[72] OLISCHEFSKI, DERRIN, US
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[54] **CONCEPTION DE GENERATEUR AVEC ESPACE VARIABLE**
[72] VICK JR., JAMES DAN, US
[72] ORNELAZ, RICHARD DECENA, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **METHOD AND SYSTEM FOR MONITORING THE OPERATING STATE OF HIGH-VOLTAGE DEVICES OF AN ENERGY SUPPLY NETWORK**
[54] **PROCEDE ET SYSTEME POUR SURVEILLER L'ETAT DE FONCTIONNEMENT D'UN RESEAU D'ALIMENTATION EN ENERGIE**
[72] BAUMANN, SASKIA, DE
[72] ELMER, MARCEL, DE
[72] NATTER, BEATRIX, DE
[72] RAITH, JOHANNES, AT
[72] SINGH, PUNEET HARMINDER, DE
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[54] **EDIBLE CELLULOSIC CASINGS AND COMPOSITIONS, AND METHODS OF FORMATION**
[54] **BOITIERS CELLULOSIQUES COMESTIBLES, COMPOSITIONS ET METHODES DE FABRICATION**
[72] MCGAREL, OWEN J., US
[72] NICHOLSON, MYRON D., US
[72] WILLIAMS, CHRIS L., US
[73] VISKASE COMPANIES, INC., US
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[54] **LUBRIFIANT PLEINEMENT FORME FORMULE A L'AIDE D'UN ADDITIF DE DITHIOCARBAMATE DE MOLYBDENE ET UTILISATIONS CONNEXES DANS LES SYSTEMES DE TRANSMISSION DE VEHICULES ELECTRIQUES ET HYBRIDES**
[72] KOLEKAR, ANANT, US
[72] BROWN, JAMES, US
[72] LOCKWOOD, FRANCES, US
[72] REID, DALE, US
[73] VGP IPCO LLC, US
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[54] **DETERMINATION D'UNE PRESSION DE VAPEUR D'UN FLUIDE DANS UN ENSEMBLE INSTRUMENT DE MESURE**
[72] WEINSTEIN, JOEL, US
[72] MORETT, DAVID MARTINEZ, US
[73] MICRO MOTION, INC., US
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[54] **UTILISATION D'UNE MESURE DE DENSITE D'UN FLUIDE POUR VERIFIER UNE PRESSION DE VAPEUR**
[72] WEINSTEIN, JOEL, US
[72] MORETT, DAVID MARTINEZ, US
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[54] **DETERMINATION D'UNE PRESSION DE VAPEUR A L'AIDE D'UN FACTEUR DE MESURE DE PRESSION DE VAPEUR**
[72] WEINSTEIN, JOEL, US
[72] MORETT, DAVID MARTINEZ, US
[73] MICRO MOTION, INC., US
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[54] **MODELISATION DE CONTEXTE DU CODAGE D'OCCUPATION POUR LE CODAGE DE NUAGE DE POINTS**
[72] ZHANG, XIANG, US
[72] GAO, WEN, US
[72] LIU, SHAN, US
[73] TENCENT AMERICA LLC, US
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[54] **PROCEDE ET APPAREIL DE CODAGE DE NUAGE DE POINTS**
[72] ZHANG, XIANG, US
[72] GAO, WEN, US
[72] LIU, SHAN, US
[73] TENCENT AMERICA LLC, US
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[54] **ANTENNE, PROCEDE D'ALIMENTATION ELECTRIQUE D'ANTENNE, PROCEDE DE COMBINAISON D'ALIMENTATION UNIQUE D'ANTENNE ET TERMINAL**
[72] SHU, CHAOFAN, CN
[72] LIU, YANG, CN
[73] ZTE CORPORATION, CN
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[54] **LASER INTENSITY CALIBRATION**
[54] **ETALONNAGE D'INTENSITE DE LASER**
[72] MILLER, ERIK, US
[72] PENG, ZHIYONG, US
[72] WHITE, JAMES, US
[73] REVVITY HEALTH SCIENCES, INC., US
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[73] BEIJING SHENCHUANG CENTURY INFORMATION TECHNOLOGY CO., LTD., CN
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[54] **MODULE DE TRANSDUCTEUR OPTOELECTRONIQUE POUR DES MESURES DE TEMPERATURE THERMOGRAPHIQUES**
[72] MECL, ONDREJ, CA
[72] JOHNSON, NOAH JONH JOE, CA
[72] WEISS, KEVIN MATTHEW, CA
[73] ACCELOVANT TECHNOLOGIES CORPORATION, CA
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[54] **DISPOSITIF TERMINAL**
[72] ZHU, LEI, CN
[72] WU, SHUANG, CN
[72] XIE, CHANGHONG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[54] **METHODS OF CODING DUPLICATE AND ISOLATED POINTS FOR POINT CLOUD CODING**
[54] **PROCEDES DE CODAGE DE POINTS DOUBLES ET ISOLES POUR UN CODAGE DE NUAGE DE POINTS**
[72] ZHANG, XIANG, US
[72] GAO, WEN, US
[72] LIU, SHAN, US
[73] TENCENT AMERICA LLC, US
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[54] **METHODS OF USING ANTI-CD79B IMMUNOCONJUGATES TO TREAT FOLLICULAR LYMPHOMA**
[54] **PROCEDES D'UTILISATION D'IMMUNOCONJUGUES ANTI-CD79B POUR TRAITER UN LYMPHOME FOLLICULAIRE**
[72] MUSICK, LISA, US
[72] HIRATA, JAMIE HARUE, US
[73] GENENTECH, INC., US
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[51] **Int.Cl. H03M 7/40 (2006.01) H04N 19/13 (2014.01) H03M 7/42 (2006.01)**
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[54] **TECHNIQUES AND APPARATUS FOR ALPHABET-PARTITION CODING OF TRANSFORM COEFFICIENTS FOR POINT CLOUD COMPRESSION**
[54] **TECHNIQUES ET APPAREIL DE CODAGE PAR PARTITION DE L'ALPHABET DE COEFFICIENTS DE TRANSFORMEE POUR COMPRESSION DE NUAGE DE POINTS**
[72] YEA, SEHOON, US
[72] WENGER, STEPHAN, US
[72] LIU, SHAN, US
[73] TENCENT AMERICA LLC, US
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[54] **ATRAUMATICALLY FORMED TISSUE COMPOSITIONS, DEVICES AND METHODS OF PREPARATION AND TREATMENT**
[54] **COMPOSITIONS TISSULAIRES FORMEES DE MANIERE ATRAUMATIQUE, DISPOSITIFS ET PROCEDES DE PREPARATION ET METHODES DE TRAITEMENT**
[72] DAVENPORT, THOMAS ANDREW, US
[72] MULHAUSER, PAUL, US
[72] GUINAN, GREGORY, US
[73] TISSUEMILL TECHNOLOGIES LLC, US
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[54] **SYSTEMES ET PROCEDES ASSOCIES A DES PLAQUES DE SIEGE FLOTTANTES**
[72] KRAUSE, KENNETH W., US
[72] JIMENEZ, FILIBERTO R., US
[73] TAPCOENPRO, LLC, US
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[54] **METHODS FOR THE PRODUCTION OF MYCELIATED BULKING COMPOSITIONS**
[54] **PROCEDES DE PRODUCTION DE COMPOSITIONS GONFLANTES MYCELIEES**
[72] SONI, BHUPENDRA KUMAR, US
[72] SHARKEY, BRENDAN, US
[72] HAHN, ALAN D., US
[72] LANGAN, JAMES PATRICK, US
[72] KELLY, BROOKS JOHN, US
[72] CLARK, ANTHONY J., US
[73] MYCOTECHNOLOGY, INC., US
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[72] UEMIZO, YOSHIAKI, JP
[72] UEDA, TAKASHI, JP
[73] JAPAN CASH MACHINE CO., LTD., JP
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[54] **SYSTEM AND METHOD FOR CONTROLLING INDOOR FARMS REMOTELY AND USER INTERFACE FOR SAME**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE FERMES INTERIEURES A DISTANCE ET INTERFACE UTILISATEUR ASSOCIEE**
[72] PORTELLO, JOSEPH MICHAEL, US
[72] ZELKIND, MICHAEL, US
[72] LIVINGSTON, PATRICIA, US
[73] 80 ACRES URBAN AGRICULTURE, INC., US
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[54] **SPEAKER AND TERMINAL DEVICE**
[54] **HAUT-PARLEUR ET DISPOSITIF TERMINAL**
[72] JIANG, GUOZHU, CN
[72] LONG, LIFENG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[54] **BARRIERE DE PROTECTION CONTRE LE BIOFILM POUR IMPLANTS**
[72] BRESNICK, STEPHEN DAVID, US
[73] BRESNICK, STEPHEN DAVID, US
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[25] FR
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[54] **RECUPERATEUR D'EAUX PLUVIALES A MONTER SUR UNE DESCENTE DE GOUTTIERE, COMPRENANT UNE ECOPE AMOVIBLE**
[72] BABAZ, MICHEL, FR
[73] ALUX INTERNATIONAL TRADING S.A., LU
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[87] (3141110)
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[54] **INVESTMENT CASTING CORE WITH COOLING FEATURE ALIGNMENT GUIDE AND RELATED METHODS**
[54] **NOYAU DE MOULAGE DE PRECISION DOTE D'UN GUIDE D'ALIGNEMENT D'ORGANE DE REFROIDISSEMENT ET PROCEDES ASSOCIES**
[72] MERRILL, GARY B., US
[72] RODRIGUEZ, JOSE L., US
[72] SCHAENZER, MEGAN, CA
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[54] **SYSTEME ET PROCEDE DE CONCENTRATION DE GAZ**
[72] YEHYA, HANEEN Y., US
[72] VALENTINE, ALEX P., US
[72] BUDINGER, MICHAEL J., US
[73] VENTEC LIFE SYSTEMS, INC., US
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[54] **METHOD AND SYSTEM FOR Z-AXIS IMPACT RESISTANCE FOR MACHINING**
[54] **METHODE ET SYSTEME POUR UNE RESISTANCE AUX IMPACTS D'AXE Z POUR L'USINAGE**
[72] SMIDDY, BRIAN S., US
[73] THERMWOOD CORPORATION, US
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[54] **INSPECTION SUPPORT SYSTEM**
[54] **SYSTEME D'AIDE A L'INSPECTION**
[72] YAMASAKI, FUMINORI, JP
[72] KARINO, TAKASHI, JP
[73] IXS CO., LTD., JP
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[25] EN
[54] **SYSTEMS AND METHODS FOR A ROPE, FLAT-STRAP, AND BUNGEE SECURING DEVICE**
[54] **SYSTEMES ET PROCEDES POUR UN DISPOSITIF DE FIXATION A CORDE, SANGLE PLATE ET EXTENSEUR**
[72] SEADER, REX, US
[73] NITE IZE, INC., US
[85] 2021-12-01
[86] 2020-06-23 (PCT/US2020/039195)
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[30] US (16/453,822) 2019-06-26
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[54] **SURFACE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE SURFACE**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
[85] 2021-12-02
[86] 2020-06-10 (PCT/CA2020/050788)
[87] (WO2020/248047)
[30] US (16/440,590) 2019-06-13
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[25] EN
[54] **LIPID-BASED FOOD FILLING SUITABLE FOR HIGH-TEMPERATURE, HIGH-PRESSURE COOKING CO-EXTRUSION**
[54] **GARNITURE ALIMENTAIRE A BASE DE LIPIDE APPROPRIEE A LA CO-EXTRUSION PAR CUISSON A HAUTE TEMPERATURE ET HAUTE PRESSION**
[72] BAKHTINA, ASYA, US
[72] BEAVER, MICHELLE, US
[72] CHRISTIANSEN, KELLY, US
[72] HONG, YEONG-CHING ALBERT, US
[72] SMITH, JOSHUA, US
[72] YANG, LIYI, US
[73] INTERCONTINENTAL GREAT BRANDS LLC, US
[85] 2021-12-09
[86] 2020-06-26 (PCT/US2020/039882)
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[25] EN
[54] **IONIZABLE LIPIDS FOR NUCLEIC ACID DELIVERY**
[54] **LIPIDES IONISABLES POUR ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] JAIN, NIKITA, CA
[72] THOMAS, ANITHA, CA
[72] BROWN, ANDREW WILLIAM, CA
[73] PRECISION NANOSYSTEMS ULC, CA
[85] 2021-12-15
[86] 2020-06-19 (PCT/CA2020/050854)
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[30] US (62/864,064) 2019-06-20
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[25] EN
[54] **GAS FLOW CONDITIONER IN THE FLOW BEND, ESPECIALLY FOR ULTRASONIC GAS METER**
[54] **CONDITIONNEUR DE FLUX DE GAZ DANS UNE COURBE DE FLUX, NOTAMMENT POUR COMPTEUR A GAZ A ULTRASONS**
[72] MIKAN, JAROSLAV, CZ
[73] OIL&GAS METERING EQUIPMENT S.R.O., CZ
[85] 2021-12-15
[86] 2021-06-10 (PCT/IB2021/055096)
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[25] EN
[54] **POSTURAL PLATFORM TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT DE TYPE PLATEFORME POSTURALE**
[72] WECK, DAVID S., US
[73] BOSU FITNESS, LLC, US
[85] 2021-12-20
[86] 2020-06-26 (PCT/US2020/039888)
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[51] **Int.Cl. E21B 21/00 (2006.01) C09K 8/504 (2006.01)**
[25] EN
[54] **SUBTERRANEAN DRILLING AND COMPLETION IN GEOTHERMAL WELLS**
[54] **FORAGE SOUTERRAIN ET COMPLETION DANS LES PUITS GEOTHERMIQUES**
[72] JAMISON, DALE E., US
[72] EVANS, BRIAN ALAN, US
[72] SHUMWAY, WILLIAM WALTER, US
[72] BENOIT, DENISE NICOLE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3144998)
[87] (3144998)
[22] 2022-01-07
[30] US (17/556,836) 2021-12-20

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[25] EN
[54] **HIGH LEVERAGE LOCKING PLIERS**
[54] **PINCE-ETAU A BRAS DE LEVIERS PUISSANTS**
[72] EGGERT, DANIEL M., US
[72] MOYER, DOUGLAS, US
[73] SNAP-ON INCORPORATED, US
[86] (3145932)
[87] (3145932)
[22] 2022-01-18
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[51] **Int.Cl. B25B 13/46 (2006.01)**
[25] EN
[54] **TOOL WITH SURFACES WITH A COMPRESSIVE SURFACE STRESS LAYER**
[54] **OUTIL PRESENTANT DES SURFACES AYANT UNE COUCHE DE CONTRAINTE DE COMPRESSION DE SURFACE**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] ROSS, DAVID T., US
[73] SNAP-ON INCORPORATED, US
[86] (3145934)
[87] (3145934)
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01) E21B 47/18 (2012.01)**
[25] EN
[54] **OPTIMIZATION OF AUTOMATED TELEMETRY FOR A DOWNHOLE DEVICE**
[54] **OPTIMISATION DE LA TELEMESURE AUTOMATISEE POUR UN DISPOSITIF DE FOND DE TROU**
[72] MILLER, KENNETH, US
[72] ERDOS, DAVID, US
[72] ERDOS, ABRAHAM, US
[73] ERDOS MILLER, INC, US
[73] BLACK DIAMOND OILFIELD RENTALS, LLC, US
[86] (3146147)
[87] (3146147)
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[30] US (17/167,602) 2021-02-04

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[25] EN
[54] **METAL RECOVERY FROM LEAD CONTAINING ELECTROLYTES**
[54] **RECUPERATION DE METAUX A PARTIR D'ELECTROLYTES CONTENANT DU PLOMB**
[72] MOHANTA, SAMARESH, US
[72] REILL, JOSHUA, US
[72] TAECKER, BENJAMIN SOL, US
[72] HOKE, JEFFERY, US
[72] DOUGHERTY, BRIAN JAMES, US
[72] LIAO, JIAQI, US
[73] AQUA METALS INC., US
[85] 2022-02-01
[86] 2020-07-28 (PCT/US2020/043835)
[87] (WO2021/021786)
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[25] EN
[54] **METHOD FOR PROCESSING COPPER AND NICKEL SULFIDE MATERIALS**
[54] **PROCEDE DE RETRAITEMENT DE MATERIAUX SULFURES A BASE DE CUIVRE ET DE NICKEL**
[72] ZATITSKY, BORIS EDUARDOVICH, RU
[72] DUBROVSKY, VADIM LVOVICH, RU
[72] KHOMCHENKO, OLEG ALEKSANDROVICH, RU
[73] JOINT STOCK COMPANY "KOLA GMK", RU
[73] PUBLIC JOINT STOCK COMPANY "MINING AND METALLURGICAL COMPANY "NORILSK NICKEL", RU
[85] 2022-01-10
[86] 2020-07-08 (PCT/RU2020/050152)
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[25] EN
[54] **EVAPORATION APPARATUS FOR TREATING WASTE WATER**
[54] **APPAREIL D'EVAPORATION POUR TRAITER LES EAUX USEES**
[72] LOLLING, SHAWN M., US
[72] WARNER, JONATHAN C., US
[73] ABTECH INDUSTRIES, INC., US
[85] 2022-01-17
[86] 2020-07-17 (PCT/US2020/042516)
[87] (WO2021/016076)
[30] US (16/517,432) 2019-07-19

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[51] **Int.Cl. C07F 5/02 (2006.01) C07D 241/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING L-ERYTHROBIOPTERIN COMPOUND**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE L-ERYTHROBIOPTERINE**
[72] RONG, BIN, CN
[72] ZHAO, LIZHI, CN
[72] LI, WEI, CN
[72] REN, YI, CN
[73] SHANGHAI FOREFRONT PHARMA CO., LTD., CN
[85] 2022-02-11
[86] 2020-08-18 (PCT/CN2020/109818)
[87] (WO2021/032088)
[30] CN (201910764541.4) 2019-08-19
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[51] **Int.Cl. H04W 72/00 (2023.01) H04L 1/1607 (2023.01) H04L 1/1812 (2023.01)**
[25] EN
[54] **METHOD FOR SCHEDULING RETRANSMISSIONS FOR CONFIGURED GRANTS IN NR-UNLICENSED**
[54] **PROCEDE DE PROGRAMMATION DE RETRANSMISSIONS POUR DES AUTORISATIONS CONFIGUREES DANS UN SYSTEME NR SANS LICENCE**
[72] LUNTTILA, TIMO, FI
[72] SCHOBER, KAROL, FI
[72] ROSA, CLAUDIO, DK
[73] NOKIA TECHNOLOGIES OY, FI
[85] 2022-01-19
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[25] EN
[54] **REDUCING MAGNETIC HYSTERESIS OF A POSITION SENSOR ASSEMBLY**
[54] **REDUCTION DE L'HYSTERESIS MAGNETIQUE D'UN ENSEMBLE CAPTEUR DE POSITION**
[72] GISSLER, ROBERT WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-02-23
[86] 2019-11-05 (PCT/US2019/059743)
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[30] US (16/674,038) 2019-11-05

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[25] EN
[54] **WIRES OF SUPERELASTIC NICKEL-TITANIUM ALLOY AND METHODS OF FORMING THE SAME**
[54] **FILS D'ALLIAGE NICKEL-TITANE SUPER-ELASTIQUE ET LEURS PROCEDES DE FORMATION**
[72] KUMAR, PARIKSHITH K., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2022-03-03
[86] 2020-09-25 (PCT/US2020/052778)
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[30] US (62/907,500) 2019-09-27

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[51] **Int.Cl. B60L 13/06 (2006.01) B61H 7/08 (2006.01)**
[25] EN
[54] **INTEGRATED ELECTROMAGNET AND MAGLEV TRAIN**
[54] **ELECTROAIMANT INTEGRE ET TRAIN A SUSTENTATION MAGNETIQUE**
[72] JIANG, FUJIE, CN
[72] HAN, WEITAO, CN
[72] DENG, GUIMEI, CN
[72] WU, DONGHUA, CN
[72] YANG, CHANGFENG, CN
[73] CRRC QINGDAO SIFANG CO., LTD., CN
[85] 2022-02-09
[86] 2021-01-26 (PCT/CN2021/073747)
[87] (WO2021/190118)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5377 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **SUBSTITUTED AROMATIC FUSED RING DERIVATIVE AND COMPOSITION COMPRISING SAME, AND USE THEREOF**
[54] **DERIVE CYCLIQUE CONDENSE AROMATIQUE SUBSTITUE ET COMPOSITION LE COMPRENANT ET UTILISATION ASSOCIEE**
[72] WANG, YIHAN, CN
[72] XING, QINGFENG, CN
[72] AI, YIXIN, CN
[72] LI, HUANYIN, CN
[73] SHENZHEN TARGETRX, INC., CN
[85] 2022-03-16
[86] 2020-09-25 (PCT/CN2020/117586)
[87] (WO2021/057877)
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[25] EN
[54] **INTERNAL WELDING OF PIPES AND PROFILES**
[54] **SOUDAGE INTERNE DE TUYAUX ET DE PROFILES**
[72] STARK, MICHAEL, DE
[73] SMS GROUP GMBH, DE
[85] 2022-02-24
[86] 2020-08-31 (PCT/EP2020/074209)
[87] (WO2021/047932)
[30] DE (10 2019 213 691.5) 2019-09-10
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[25] EN
[54] **PREGELATINIZED PEA STARCH FOR BATTER AND COATING**
[54] **AMIDON DE POIS PREGELATINISE POUR PATE A FRIRE ET ENROBAGE**
[72] PERERA, CHANDANI, FR
[73] ROQUETTE FRERES, FR
[85] 2022-03-04
[86] 2020-09-04 (PCT/IB2020/058282)
[87] (WO2021/044380)
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[51] **Int.Cl. G06F 16/904 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF NETWORK VISUALIZATION**
[54] **SYSTEMES ET PROCEDES DE VISUALISATION DE RESEAUX**
[72] KHAN, RISHAD, CA
[72] BLACKMORE, IVY, CA
[72] BOUDIN, JEREMIE, CA
[72] DUNBAR, ANDREW, CA
[73] KINAXIS INC., CA
[85] 2022-04-11
[86] 2020-10-09 (PCT/CA2020/051355)
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[30] US (62/913,756) 2019-10-11
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[25] EN
[54] **FLEXIBLE MAGNETIC SOCKET HOLDER**
[54] **SUPPORT A DOUILLE MAGNETIQUE SOUPLE**
[72] CACCIABEVE, ROBERT, US
[73] WALTER R. TUCKER ENTERPRISES, LTD., D/B/A E-Z RED COMPANY, US
[86] (3155726)
[87] (3155726)
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[25] EN
[54] **POLYETHYLENE COPOLYMERS AND PRODUCTS AND METHODS THEREOF**
[54] **COPOLYMERES DE POLYETHYLENE AINSI QUE PRODUITS ET PROCEDES ASSOCIES**
[72] HANLON, ASHLEY, BR
[72] MOHAMMADI, HADI, BR
[72] DOMINGUES JUNIOR, NEI SEBASTIAO, BR
[72] SIMANKE, ADRIANE GOMES, BR
[72] CANGUSSU, MANOELA ELLWANGER, BR
[72] BUSCH, MARKUS, BR
[72] HINTENLANG, SASCHA, BR
[73] BRASKEM S.A., BR
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[86] 2020-10-05 (PCT/IB2020/020059)
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[30] US (62/910,620) 2019-10-04

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[51] **Int.Cl. G01S 15/89 (2006.01)**
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[54] **ACOUSTIC PATH FILTERING FOR IMPROVED TFM INSPECTION**
[54] **FILTRAGE DE TRAJET ACOUSTIQUE POUR UNE MEILLEURE INSPECTION TFM**
[72] LEPAGE, BENOIT, CA
[72] PAINCHAUD-APRIL, GUILLAUME, CA
[73] OLYMPUS NDT CANADA INC., CA
[85] 2022-04-25
[86] 2020-10-28 (PCT/CA2020/051449)
[87] (WO2021/081644)
[30] US (62/927,787) 2019-10-30
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[54] **PORTABLE GRILLS**
[54] **GRILS PORTATIFS**
[72] HUNT, PAUL R., US
[72] POLACZEK, KAROL, US
[72] POLACZEK, JR. KAROL, US
[72] LATOCHA, JERZY, US
[72] LIVINGSTON-JHA, SIMON, US
[72] MATHIAS, WILLIAM R., US
[72] SPARKS, EVAN, US
[72] KRAMKA, JOEL, US
[72] HILLSTROM, HENRY M., US
[73] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2022-06-01
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[87] (WO2021/141645)
[30] US (62/959,520) 2020-01-10
[30] US (63/048,457) 2020-07-06
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[25] EN
[54] **AUTONOMOUS DETECTION AND REMOVAL OF DANDELIONS AND WEEDS WITHOUT USE OF HARMFUL CHEMICALS**
[54] **DETECTION ET ELIMINATION AUTONOMES DES PISSENLITS ET DES MAUVAISES HERBES SANS UTILISER DE PRODUITS CHIMIQUES NOCIFS**
[72] JANTZI, HUDSON, CA
[73] JANTZI, HUDSON, CA
[86] (3160499)
[87] (3160499)
[22] 2022-05-26
[30] US (17736727) 2022-05-04

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[51] **Int.Cl. C08F 20/12 (2006.01) C08F 220/18 (2006.01) C08F 265/06 (2006.01)**
[25] EN
[54] **PREPARATION OF AN AQUEOUS DISPERSION OF OCCLUDED POLYMER PARTICLES**
[54] **PREPARATION D'UNE DISPERSION AQUEUSE DE PARTICULES POLYMERES OCCLUSES**
[72] BOHLING, JAMES C., US
[72] GIMBAL, JUSTIN, US
[72] ROBERTSON, IAN D., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS COMPANY, US
[85] 2022-06-14
[86] 2020-11-19 (PCT/US2020/061230)
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[30] US (62/949,471) 2019-12-18

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[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **ORIENTED MULTILAYER SHRINK FILMS WITH POLYSTYRENE SKIN LAYER**
[54] **FILMS MULTICOUCHES RETRACTABLES ORIENTES AVEC COUCHE DE PEAU EN POLYSTYRENE**
[72] DENICOLA, ANTHONY J., US
[72] WILKIE, ANDREW F., US
[73] TAGHLEEF INDUSTRIES INC., US
[85] 2022-06-16
[86] 2020-12-18 (PCT/US2020/065861)
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[30] US (62/951,675) 2019-12-20
[30] US (63/058,079) 2020-07-29

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[25] EN
[54] **METAL POWDER FOR ADDITIVE MANUFACTURING**
[54] **POUDRE DE METAL POUR FABRICATION D'ADDITIFS**
[72] SANCHEZ PONCELA, MANUEL, ES
[72] VAN STEENBERGE, NELE, BE
[72] GATTI, FLORENCIA, ES
[72] RODRIGUEZ, SANDRA, ES
[73] ARCELORMITTAL, LU
[85] 2022-05-31
[86] 2020-12-18 (PCT/IB2020/062159)
[87] (WO2021/124229)
[30] IB (PCT/IB2019/061070) 2019-12-19

[11] **3,165,085**
[13] C
[51] **Int.Cl. B01L 3/02 (2006.01)**
[25] EN
[54] **DYNAMIC BROAD VOLUMETRIC RANGE PIPETTE**
[54] **PIPETTE A PLAGE VOLUMETRIQUE ETENDUE DYNAMIQUE**
[72] SCHIEFFER, DANIEL A., US
[72] ASH, DAVID L., US
[72] WARD, DAVID B., US
[73] DENOVIX, INC., US
[85] 2022-07-15
[86] 2021-02-12 (PCT/US2021/017798)
[87] (WO2021/163437)
[30] US (62/976,412) 2020-02-14

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[13] C
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 1/00 (2006.01) A61P 1/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 17/14 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **STABLE IMMEDIATE RELEASE TABLET AND CAPSULE FORMULATIONS OF 1-((2S,5R)-5-((7H-PYRROLO[2,3-D]PYRIMIDIN-4-YL)AMINO)-2-METHYLPIPERIDIN-1-YL)PROP-2-EN-1-ONE**
[54] **FORMULATIONS STABLES DE CAPSULES ET COMPRIMES A LIBERATION IMMEDIATE DE 1-((2S,5R)-5-((7H-PYRROLO[2,3-D]PYRIMIDIN-4-YL)AMINO)-2-METHYLPIPERIDIN-1-YL)PROP-2-EN-1-ONE**
[72] BARRETT, ANDREW RICHARD, GB
[72] SMALES, IAN LEONARD, GB
[72] TURKI, RAND DHIYAA, GB
[72] WONG, SUET MEI, GB
[73] PFIZER R&D UK LIMITED, GB
[85] 2022-06-27
[86] 2020-12-29 (PCT/IB2020/062524)
[87] (WO2021/137160)
[30] US (62/955,497) 2019-12-31

[11] **3,166,727**
[13] C
[51] **Int.Cl. B60K 11/00 (2006.01) B60F 5/00 (2006.01) B60K 17/00 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT TERRAIN**
[72] PETERSON, AMANDA S., US
[72] DANIELSON, RONNIE R., US
[72] MAJER, KENDALL C., US
[72] FISCHER, BURTON D., US
[72] HAUGEN, RYAN L., US
[72] BLUMER, TODD M., US
[72] WILCOX, STEVEN D., US
[72] RODRIGUEZ, WILLIAM B., US
[72] EICHENBERGER, JEREMY, US
[73] POLARIS INDUSTRIES INC., US
[86] (3166727)
[87] (3166727)
[22] 2015-09-03
[62] 2,903,511
[30] US (14/751114) 2015-06-25

[11] **3,166,798**
[13] C
[51] **Int.Cl. B60S 9/04 (2006.01)**
[25] EN
[54] **TRAILER STABILIZATION AND RESTRAINT**
[54] **DISPOSITIF DE STABILISATION ET DE RETENUE DE REMORQUE**
[72] KIMENER, THOMAS TERRENCE, US
[73] STABILOCK, LLC, US
[86] (3166798)
[87] (3166798)
[22] 2015-06-30
[62] 3,082,649
[30] US (62/019,626) 2014-07-01

[11] **3,166,999**
[13] C
[51] **Int.Cl. H02B 1/38 (2006.01)**
[25] EN
[54] **SUPPORT APPARATUS USABLE WITH ELECTRICAL ENCLOSURE**
[54] **APPAREIL DE SUPPORT UTILISABLE AVEC UNE ENCEINTE ELECTRIQUE**
[72] LAGREE, JAMES L., US
[72] TERHORST, BRUCE R., US
[72] HYMEL, JON, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (3166999)
[87] (3166999)
[22] 2014-05-14
[62] 2,851,736
[30] US (13/905,424) 2013-05-30

[11] **3,169,583**
[13] C
[51] **Int.Cl. B67D 1/08 (2006.01) B67D 7/74 (2010.01) B01F 23/451 (2022.01) B01F 25/42 (2022.01) B01F 25/46 (2022.01) A47J 31/46 (2006.01)**
[25] EN
[54] **BEVERAGE NOZZLE WITH MIXING CORE**
[54] **BUSE DE BOISSON AVEC COEUR DE MELANGE**
[72] GATIPON, SHAUN B., US
[72] SANTAMARIA, ALEJANDRO J., US
[72] WILSON, JOSHUA B., US
[72] BROWNELL, ROBERT B., JR., US
[73] THE COCA-COLA COMPANY, US
[86] (3169583)
[87] (3169583)
[22] 2015-02-18
[62] 2,939,911
[30] US (61/941,113) 2014-02-18

[11] **3,171,054**
[13] C
[51] **Int.Cl. E05B 15/00 (2006.01)**
[25] EN
[54] **ROTARY LOCKED STRUCTURE OF DOOR LOCK**
[54] **STRUCTURE VERROUILLEE PAR ROTATION D'UNE SERRURE DE PORTE**
[72] LIN, YU-CHENG, TW
[73] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN
[86] (3171054)
[87] (3171054)
[22] 2022-09-07
[30] TW (110134260) 2021-09-14

[11] **3,171,249**
[13] C
[51] **Int.Cl. H02H 5/12 (2006.01) G01R 19/15 (2006.01) H02H 3/04 (2006.01)**
[25] EN
[54] **SAFETY DEVICE FOR WORK ON ELECTRICAL SYSTEMS**
[54] **DISPOSITIF DE SECURITE POUR LE TRAVAIL SUR DES SYSTEMES ELECTRIQUES**
[72] HOLZTRATTNER, DIETMAR, AT
[72] ALTENBUCHNER, MICHAEL, AT
[73] ADAPTIVE REGELSYSTEME GESELLSCHAFT M.B.H., AT
[85] 2022-09-09
[86] 2021-03-10 (PCT/EP2021/055966)
[87] (WO2021/180750)
[30] AT (A50210/2020) 2020-03-12

[11] **3,171,947**
[13] C
[51] **Int.Cl. E21B 47/13 (2012.01) H04B 1/401 (2015.01) E21B 47/18 (2012.01) H04B 13/02 (2006.01)**
[25] EN
[54] **AUTOMATED TELEMETRY FOR SWITCHING TRANSMISSION MODES OF A DOWNHOLE DEVICE**
[54] **TELEMETRIE AUTOMATISEE POUR COMMUTER DES MODES DE TRANSMISSION D'UN DISPOSITIF DE FOND DE TROU**
[72] MILLER, KENNETH, US
[72] ERDOS, DAVID, US
[72] ERDOS, ABRAHAM, US
[73] BLACK DIAMOND OILFIELD RENTALS, LLC, US
[73] ERDOS MILLER, INC, US
[85] 2022-09-15
[86] 2021-04-14 (PCT/US2021/027234)
[87] (WO2021/216333)
[30] US (63/013,199) 2020-04-21
[30] US (16/998,079) 2020-08-20
[30] US (17/109,836) 2020-12-02

[11] **3,173,530**
[13] C
[51] **Int.Cl. B60N 3/04 (2006.01)**
[25] EN
[54] **VEHICLE FLOOR COVER RETENTION DEVICE WITH SPIKED BASE**
[54] **DISPOSITIF DE RETENUE DE COUVRE-PLANCHER DE VEHICULE DOTE D'UNE BASE CLOUTEE**
[72] KAUFMAN, JUDD C., US
[72] THOM, ALLAN R., US
[72] MASANEK, JR., FREDERICK W., US
[73] MACNEIL IP LLC, US
[86] (3173530)
[87] (3173530)
[22] 2016-03-24
[62] 2,924,937
[30] US (14/671599) 2015-03-27
[30] US (14/812663) 2015-07-29
[30] US (14/874193) 2015-10-02

[11] **3,173,827**
[13] C
[51] **Int.Cl. C12Q 1/28 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) G01N 27/327 (2006.01) G01N 33/483 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **NANOZYMES WITH RADICAL-SCAVENGING CAPPING AGENTS AND METHODS OF DETECTION THEREWITH**
[54] **NANOZYMES AVEC AGENTS DE COIFFAGE DE PIEGEAGE DE RADICAUX ET LEURS PROCEDES DE DETECTION**
[72] ORTEGA RODRIGUEZ, GRETER AMELIA, CA
[72] TUTEJA, SATISH KUMAR, CA
[72] AHMED, SYED RAHIN, CA
[72] SRINIVASAN, SESHASAI, CA
[72] RAJABZADEH, AMIN REZA, CA
[73] EYE3CONCEPTS INC., CA
[85] 2022-09-28
[86] 2021-04-15 (PCT/CA2021/050506)
[87] (WO2021/207842)
[30] US (63/010,471) 2020-04-15

[11] **3,175,864**
[13] C
[51] **Int.Cl. H04B 10/516 (2013.01) H04B 10/532 (2013.01) H04B 10/54 (2013.01)**
[25] EN
[54] **MODULATION FORMATS WITH FRACTIONAL SPECTRAL EFFICIENCY**
[54] **FORMATS DE MODULATION AVEC EFFICACITE SPECTRALE FRACTIONNAIRE**
[72] REIMER, MICHAEL, CA
[72] OVEIS GHARAN, SHAHAB, US
[72] HARLEY, JAMES, CA
[73] CIENA CORPORATION, US
[85] 2022-09-15
[86] 2021-09-03 (PCT/IB2021/058066)
[87] (WO2022/053922)
[30] US (17/018,495) 2020-09-11

[11] **3,176,236**
[13] C
[51] **Int.Cl. A61B 34/00 (2016.01) G16H 10/60 (2018.01) G16H 20/00 (2018.01) G16H 20/30 (2018.01) G16H 20/40 (2018.01) G16H 40/67 (2018.01) G16H 80/00 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR USING SENSOR DATA FROM REHABILITATION OR EXERCISE EQUIPMENT TO TREAT PATIENTS VIA TELEMEDICINE**
[54] **PROCEDE ET SYSTEME POUR UTILISER DES DONNEES DE CAPTEUR PROVENANT D'UN EQUIPEMENT DE REEDUCATION OU D'EXERCICE POUR TRAITER DES PATIENTS PAR TELEMEDECINE**
[72] MASON, STEVEN, US
[72] ARN, PETER, US
[72] PARA, WENDY, US
[72] HACKING, S. ADAM, US
[72] POSNACK, DANIEL, US
[72] GUANERI, JOSEPH, US
[72] GREENE, JONATHAN, US
[72] MUELLER, MICHEAL, US
[73] ROM TECHNOLOGIES, INC., US
[85] 2022-10-19
[86] 2021-04-22 (PCT/US2021/028655)
[87] (WO2021/216881)
[30] US (16/856,985) 2020-04-23
[30] US (63/048,456) 2020-07-06
[30] US (17/021,895) 2020-09-15
[30] US (63/088,657) 2020-10-07
[30] US (63/104,716) 2020-10-23
[30] US (17/147,428) 2021-01-12
[30] US (17/147,211) 2021-01-12
[30] US (17/147,439) 2021-01-12

[11] **3,177,035**
[13] C
[51] **Int.Cl. C10B 53/07 (2006.01) C10G 1/00 (2006.01) C10G 31/09 (2006.01)**
[25] EN
[54] **CIRCULAR ECONOMY FOR PLASTIC WASTE TO POLYPROPYLENE VIA OIL REFINERY WITH FILTERING AND METAL OXIDE TREATMENT OF PYROLYSIS OIL**
[54] **ECONOMIE CIRCULAIRE DE DECHETS PLASTIQUES EN POLYPROPYLENE PAR RAFFINAGE D'HUILE AVEC FILTRATION ET TRAITEMENT D'OXYDE METALLIQUE D'HUILE DE PYROLYSE**
[72] TIMKEN, HYE-KYUNG, US
[73] CHEVRON U.S.A. INC., US
[85] 2022-09-26
[86] 2021-04-22 (PCT/US2021/028642)
[87] (WO2021/216873)
[30] US (63/014,013) 2020-04-22

[11] **3,177,681**
[13] C
[51] **Int.Cl. A22C 21/00 (2006.01) A22C 21/06 (2006.01)**
[25] EN
[54] **TRANSPORT APPARATUS FOR TRANSPORTING EVISCERATED POULTRY CARCASSES OR PARTS THEREOF, AND APPARATUS AND METHOD FOR ATTACHING AND PROCESSING THE POULTRY CARCASSES OR PARTS THEREOF**
[54] **DISPOSITIF DE TRANSPORT POUR TRANSPORTER DES CARCASSES DE VOLAILLE EVISCEREES OU DES PARTIES DE CELLES-CI, ET DISPOSITIF ET PROCEDE POUR FIXER ET TRAITER LES CARCASSES DE VOLAILLE OU DES PARTIES DE CELLES-C**
[72] RIGGERT, LASSE, DE
[72] LANDT, ANDREAS, DE
[73] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG, DE
[85] 2022-11-02
[86] 2020-05-15 (PCT/EP2020/063731)
[87] (WO2021/228413)

[11] **3,178,829**
[13] C
[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
[73] OPTOS PLC, GB
[85] 2022-11-14
[86] 2020-05-14 (PCT/EP2020/063471)
[87] (WO2021/228395)

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[13] C
[51] **Int.Cl. H01M 4/66 (2006.01) B82Y 40/00 (2011.01) H01M 4/00 (2006.01) H01M 4/02 (2006.01) H01M 4/64 (2006.01)**
[25] EN
[54] **DISPERSION OF METAL-COATED FIBERS INTO BATTERY ELECTRODES FOR RESISTANCE REDUCTION IN A BATTERY AND BATTERY MATERIALS**
[54] **DISPERSION DE FIBRES RECOUVERTES DE METAL DANS LES ELECTRODES DE BATTERIE POUR LA REDUCTION DE LA RESISTANCE DANS UNE BATTERIE ET MATERIAUX DE BATTERIE**
[72] HANSEN, GEORGE CLAYTON, US
[73] HANSEN, GEORGE CLAYTON, US
[85] 2022-12-14
[86] 2021-06-13 (PCT/US2021/037140)
[87] (WO2021/257415)
[30] US (63/038,864) 2020-06-14
[30] US (17/340,063) 2021-06-06

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[11] **3,192,797**
[13] C
[51] **Int.Cl. B65G 65/23 (2006.01)**
[25] EN
[54] **SUPPORT SYSTEM FOR MEAT CONTAINER**
[54] **SYSTEME DE SUPPORT POUR RECIPIENT A VIANDE**
[72] KING, EDWIN EARL, US
[72] BROWN, CHRISTOPHER ANDREW, US
[72] RHUDE, RANDALL SCOTT, US
[73] COZZINI LLC, US
[85] 2023-03-15
[86] 2020-10-09 (PCT/US2020/055039)
[87] (WO2022/076000)

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[51] **Int.Cl. C07D 211/46 (2006.01) A61P 9/10 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF A PHARMACEUTICAL COMPOUND**
[54] **FORMES CRISTALLINES D'UN COMPOSE PHARMACEUTIQUE**
[72] HETT, ROBERT, NL
[72] BLATTER, FRITZ, NL
[72] ROBIN, JENNIFER, NL
[72] LANDSKRONER, KYLE, CH
[73] AZAFAROS B.V., NL
[85] 2023-03-27
[86] 2021-10-01 (PCT/EP2021/077100)
[87] (WO2022/069709)
[30] EP (20199934.9) 2020-10-02

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[13] C
[51] **Int.Cl. H01R 12/00 (2006.01)**
[25] EN
[54] **BUSBAR INSULATOR INTERFACE AND BUSBAR ASSEMBLY**
[54] **INTERFACE D'ISOLATEUR DE BARRE OMNIBUS ET ENSEMBLE BARRE OMNIBUS**
[72] CZEBINIAK, DAVID J., US
[73] BAE SYSTEMS CONTROLS INC., US
[86] (3194855)
[87] (3194855)
[22] 2021-05-25
[62] 3,183,112
[30] US (16/886,909) 2020-05-29

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[13] C
[51] **Int.Cl. E06B 9/04 (2006.01)**
[25] EN
[54] **GATE ASSEMBLY AND KIT**
[54] **ASSEMBLAGE DE PORTE ET PRET-A-MONTER**
[72] KAISER, DANIEL, US
[72] KAISER, KENNETH, US
[73] KIDCO, INC., US
[85] 2023-05-18
[86] 2022-04-27 (PCT/US2022/026546)
[87] (3199561)

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[11] **3,200,142**
[13] C
[51] **Int.Cl. G10L 19/022 (2013.01)**
[25] EN
[54] **IMPROVED SUBBAND BLOCK BASED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION AMELIOREE D'HARMONIQUE FONDEE SUR UN BLOC DE SOUS-BANDE**
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB, IE
[86] (3200142)
[87] (3200142)
[22] 2011-01-05
[62] 3,166,284
[30] US (61/296241) 2010-01-19
[30] US (61/331545) 2010-05-05

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[51] **Int.Cl. A61K 31/662 (2006.01) A61K 31/663 (2006.01) A61P 7/06 (2006.01) C07H 19/048 (2006.01)**
[25] EN
[54] **NICOTINAMIDE MONONUCLEOTIDE DERIVATIVES AND USE THEREOF IN THE TREATMENT AND PREVENTION OF A RED BLOOD CELL DISORDER**
[54] **DERIVES DE NICOTINAMIDE MONONUCLEOTIDE ET UTILISATION ASSOCIEE DANS LE TRAITEMENT ET LA PREVENTION D'UN DEREGLEMENT DES GLOBULES ROUGES**
[72] BERMOND, GUILLAUME, CH
[72] GARCON, LAURENT, FR
[72] CANAULT, MATTHIAS, FR
[72] CROS, CECILE, CH
[73] NUVAMID SA, CH
[85] 2023-05-01
[86] 2021-12-17 (PCT/EP2021/086437)
[87] (WO2022/129490)
[30] EP (20215833.3) 2020-12-18

[11] **3,201,766**
[13] C
[51] **Int.Cl. H05B 3/26 (2006.01)**
[25] EN
[54] **LOW EMF INFRARED RADIANT PANEL**
[54] **PANNEAU RADIANT INFRAROUGE A FAIBLE FORCE ELECTROMOTRICE**
[72] LEE, JUI-HSING, TW
[72] ZACK, AARON MICHAEL, US
[72] STEVENS, DUSTIN, US
[73] SUNLIGHTEN, INC., US
[85] 2023-06-08
[86] 2021-03-26 (PCT/US2021/024507)
[87] (WO2022/139862)
[30] CN (202011568541.6) 2020-12-25

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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61P 25/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **ANTISENSE-OLIGONUCLEOTIDES AS INHIBITORS OF TGF-R SIGNALING**
[54] **OLIGONUCLEOTIDES ANTISENS A TITRE D'INHIBITEURS DE LA SIGNALISATION DU TGF-R**
[72] HOSSBACH, MARKUS, DE
[72] KRAMPERT, MONIKA, DE
[72] ARTH, HANS-LOTHAR, DE
[73] NEUROVISION-PHARMA GMBH, DE
[86] (3201845)
[87] (3201845)
[22] 2015-11-16
[62] 2,964,834
[30] EP (14193368.9) 2014-11-16

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[51] **Int.Cl. A23J 3/14 (2006.01) A23L 5/00 (2016.01) B01F 23/53 (2022.01) B01F 27/1126 (2022.01) A23J 3/22 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **PROGRESSIVE HYDRATION SYSTEM**
[54] **SYSTEME D'HYDRATATION PROGRESSIVE**
[72] LAGALLY, CHRISTIE, US
[72] GRUBB, CHLOE, US
[72] O'DONNELL, JULIA, US
[73] SEATTLE FOOD TECH, INC., US
[85] 2023-06-22
[86] 2021-11-03 (PCT/US2021/057962)
[87] (WO2022/139960)
[30] US (63/130,369) 2020-12-23
[30] US (17/518,499) 2021-11-03

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[13] C
[51] **Int.Cl. G01S 7/32 (2006.01)**
[25] EN
[54] **COHERENT LIDAR SYSTEM INCLUDING OPTICAL ANTENNA ARRAY**
[54] **SYSTEME LIDAR COHERENT COMPRENANT UN RESEAU D'ANTENNES OPTIQUES**
[72] LIN, SEN, US
[72] MICHAELS, ANDREW STEIL, US
[73] AURORA OPERATIONS, INC., US
[85] 2023-06-23
[86] 2021-12-23 (PCT/US2021/065133)
[87] (WO2022/140693)
[30] US (63/129,847) 2020-12-23
[30] US (17/558,476) 2021-12-21

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[13] C
[51] **Int.Cl. B60K 1/04 (2019.01) B60K 1/02 (2006.01) B60K 17/16 (2006.01) B60K 17/22 (2006.01) B62D 25/20 (2006.01)**
[25] EN
[54] **UNIVERSAL ELECTRIC CONVERSION KIT FOR INTERNAL COMBUSTION VEHICLES**
[54] **KIT DE CONVERSION ELECTRIQUE UNIVERSEL POUR VEHICULES A COMBUSTION INTERNE**
[72] CALANDRUCCIO, ROCCO WEST, US
[73] CURRENT EV MOTORS, LLC, US
[85] 2023-06-15
[86] 2021-12-17 (PCT/US2021/064053)
[87] (WO2022/133227)
[30] US (63/127,888) 2020-12-18

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[13] C
[51] **Int.Cl. B29C 48/30 (2019.01) B29C 48/03 (2019.01) B29C 48/14 (2019.01) B29B 7/40 (2006.01)**
[25] EN
[54] **PROCESSES AND MACHINES FOR PRODUCING CONTINUOUS PLASTIC DEFORMATION AND COMPOSITIONS AND MANUFACTURES PRODUCED THEREBY**
[54] **PROCEDES ET MACHINES POUR PRODUIRE UNE DEFORMATION PLASTIQUE CONTINUE ET COMPOSITIONS ET PRODUITS MANUFACTURES AINSI OBTENUS**
[72] KANDASAMY, KUMAR, US
[73] KANDASAMY, KUMAR, US
[85] 2023-07-26
[86] 2022-03-02 (PCT/US2022/018441)
[87] (WO2022/187308)
[30] US (63/156,497) 2021-03-04

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[13] C
[51] **Int.Cl. E21B 28/00 (2006.01) E21B 43/00 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **NON-FLUID STIMULATION OF POROUS MEDIA**
[54] **STIMULATION NON FLUIDE DE MATIERE POREUSE**
[72] IONKINA, NATALYA, CA
[72] IONKIN, VALERIY, CA
[73] IONKINA, NATALYA, CA
[73] IONKIN, VALERIY, CA
[86] (3215939)
[87] (3215939)
[22] 2021-07-23
[62] 3,209,316
[30] US (63/058,940) 2020-07-30

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[11] **3,223,538**
[13] C
[51] **Int.Cl. G02B 6/10 (2006.01)**
[25] EN
[54] **LIGHT-GUIDE OPTICAL ELEMENT EMPLOYING COMPLEMENTARY COATED PARTIAL REFLECTORS, AND LIGHT-GUIDE OPTICAL ELEMENT HAVING REDUCED LIGHT SCATTERING**
[54] **ELEMENT OPTIQUE DE GUIDAGE DE LUMIERE UTILISANT DES REFLECTEURS PARTIELS REVETUS COMPLEMENTAIRES, ET ELEMENT OPTIQUE DE GUIDAGE DE LUMIERE AYANT UNE DIFFUSION DE LUMIERE REDUITE**
[72] DANZIGER, YOCHAY, IL
[72] SHARLIN, ELAD, IL
[73] LUMUS LTD, IL
[86] (3223538)
[87] (3223538)
[22] 2020-12-03
[62] 3,162,579
[30] US (62/943,867) 2019-12-05

Canadian Applications Open to Public Inspection

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4 février 2024 au 10 février 2024

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[21] **3,167,296**
[13] A1
[51] **Int.Cl. H05B 1/02 (2006.01) A41D 13/005 (2006.01) H02H 11/00 (2006.01) G01V 3/08 (2006.01) H03K 17/96 (2006.01)**
[25] EN
[54] **PRESENCE DETECTION SYSTEM FOR HEATED WEARABLES**
[54] **SYSTEME DE DETECTION DE LA PRESENCE POUR LES VETEMENTS CHAUFFES**
[72] DESMEULES, ALAIN, CA
[71] DESANTIS, BROOKE ERIN, CA
[22] 2022-08-04
[41] 2024-02-04

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[21] **3,169,772**
[13] A1
[51] **Int.Cl. A47H 1/08 (2006.01)**
[25] EN
[54] **RETRACTABLE CURTAIN RAIL**
[54] **RAIL DE RIDEAU RETRACTABLE**
[72] ZHOU, FAN, CA
[71] LES ENTREPRISES SMARTLUX INC., CA
[22] 2022-08-05
[41] 2024-02-05

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[21] **3,169,823**
[13] A1
[51] **Int.Cl. B22F 9/08 (2006.01) H01M 4/40 (2006.01)**
[25] FR
[54] **LITHIUM METAL POWDER, PROCESS FOR PREPARATION THEREOF AND APPLICATIONS**
[54] **POUDRE DE LITHIUM METALLIQUE, SON PROCEDE DE PREPARATION ET APPLICATIONS**
[72] LEBLANC, DOMINIC, CA
[72] AMOUZEGAR, KAMYAB, CA
[72] LEVESQUE, HUGHES, CA
[71] HYDRO-QUEBEC, CA
[22] 2022-08-05
[41] 2024-02-05

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[21] **3,169,858**
[13] A1
[51] **Int.Cl. F17C 1/00 (2006.01) B65D 83/62 (2006.01) B65D 83/68 (2006.01) F17B 1/26 (2006.01) F17C 13/00 (2006.01)**
[25] FR
[54] **GREEN ENERGY STOCKING TANK WITH TWO FUELS**
[54] **RESERVOIR DE STOCKAGE D'ENERGIE VERTE A DEUX CARBURANTS**
[72] SCHULZ, ROBERT, CA
[71] HYDRO-QUEBEC, CA
[22] 2022-08-08
[41] 2024-02-08

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[21] **3,169,860**
[13] A1
[51] **Int.Cl. F21S 9/03 (2006.01) B61K 13/00 (2006.01) F21S 8/08 (2006.01) F21V 21/36 (2006.01) F21V 23/00 (2015.01)**
[25] EN
[54] **OFF-GRID LOCATION LIGHTING FIXTURE**
[54] **APPAREIL D'ECLAIRAGE POUR EMPLACEMENT HORS RESEAU**
[72] HELGASON, BRAD, CA
[71] ELECTRICAL SOLUTIONS OF REGINA INC., CA
[22] 2022-08-06
[41] 2024-02-06

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[21] **3,169,893**
[13] A1
[51] **Int.Cl. A01M 29/34 (2011.01) A01M 29/28 (2011.01)**
[25] EN
[54] **REMOVABLE INSECT BARRIER FOR PREVENTING INGRESS OF INSECTS THROUGH AN OPEN CAR WINDOW**
[54] **MOUSTIQUAIRE AMOVIBLE POUR EMPECHER L~ENTREE DES INSECTES PAR UNE FENETRE DE VOITURE OUVERTE**
[72] MARTIN, GARY, CA
[71] MARTIN, GARY, CA
[22] 2022-08-08
[41] 2024-02-08

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[21] **3,170,018**
[13] A1
[51] **Int.Cl. G11B 7/0065 (2006.01)**
[25] EN
[54] **HOLOGRAPHIC CONTINUOUS ANALOGUE SIGNAL RECORDING AND PLAYBACK**
[54] **ENREGISTREMENT ET LECTURE DE SIGNAL HOLOGRAPHIQUE, CONTINU ET ANALOGIQUE**
[72] FONTAINE QUIROS, ENNIS EDUARDO, CA
[71] FONTAINE QUIROS, ENNIS EDUARDO, CA
[22] 2022-08-08
[41] 2024-02-08

[21] **3,170,085**
[13] A1
[51] **Int.Cl. C09D 191/00 (2006.01) C09D 7/40 (2018.01) C09D 7/61 (2018.01) C09D 7/80 (2018.01)**
[25] EN
[54] **HEMP OIL-BASED PAINT COMPOSITIONS AND METHODS OF MANUFACTURE THEREOF**
[54] **COMPOSITIONS DE PEINTURE A BASE D~HUILE DE CHANVRE ET METHODES DE FABRICATION**
[72] BEAM, ANONG, CA
[71] BEAM, ANONG, CA
[22] 2022-08-09
[41] 2024-02-09

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[21] **3,170,101**
[13] A1
[51] **Int.Cl. B43L 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF WRITING OR TYPING POSITIVE AFFIRMATION(S)**
[54] **SYSTEME ET METHODE POUR ECRIRE A LA MAIN OU A LA MACHINE DES AFFIRMATIONS POSITIVES**
[72] JAMAL, NADA, CA
[71] JAMAL, NADA, CA
[22] 2022-08-10
[41] 2024-02-10

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[21] **3,170,126**
[13] A1
[51] **Int.Cl. A61G 7/10 (2006.01) A61G 5/14 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **PERSONAL LIFTING APPARATUS**
[54] **APPAREIL DE LEVAGE PERSONNEL**
[72] O'CALLAGHAN, SHEILAGH, CA
[71] O'CALLAGHAN, SHEILAGH, CA
[22] 2022-08-09
[41] 2024-02-08
[30] US (17/818,017) 2022-08-08

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[21] **3,170,202**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01)**
[25] EN
[54] **THE FITTED SNUG PILLOWCASE**
[54] **TAIE D~OREILLER AJUSTEE**
[72] ADEGOKE, ADEOLA, CA
[72] LARSEN, ELLA, CA
[71] 8631883 CANADA CORP, CA
[22] 2022-08-09
[41] 2024-02-09

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[21] **3,170,234**
[13] A1
[51] **Int.Cl. G06Q 30/04 (2012.01) G07G 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SENDING AN INDICATION THAT A DIGITAL RECEIPT IS TO BE PROVIDED FOR A PURCHASE MADE ON A PAYMENT CARD**
[54] **SYSTEMES ET METHODES POUR ENVOYER UNE INDICATION QU~UN RECU NUMERIQUE DOIT ETRE FOURNI POUR UN ACHAT EFFECTUE PAR CARTE DE PAIEMENT**
[72] BHARUCHA, DINSHAW, CA
[72] MOGHAIZEL, ROMY, CA
[72] SATGUNAM, VINGSTON, CA
[72] AMOURGIS, ALEXANDRA CLARISSA MARIE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-08-09
[41] 2024-02-09

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[21] **3,170,402**
[13] A1
[51] **Int.Cl. G09B 19/22 (2006.01) A63D 15/00 (2006.01)**
[25] EN
[54] **CUE SPORT AIM TRAINER**
[54] **GUIDE POUR AMELIORER LA PRECISION DES COUPS DANS LES JEUX DE BILLARD**
[72] BIGELOW, PAUL, CA
[71] BIGELOW, PAUL, CA
[22] 2022-08-15
[41] 2024-02-10
[30] US (17/884,726) 2022-08-10

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[21] **3,171,109**
[13] A1
[51] **Int.Cl. G06F 16/25 (2019.01) G06F 16/27 (2019.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXPANDING A DATA TRANSFER FRAMEWORK**
[54] **SYSTEME ET PROCEDE POUR ELARGIR UNE STRUCTURE DE TRANSFERT DE DONNEES**
[72] HOSSAIN, UPAL SAYEED, CA
[72] MONTAG, PAUL MICHAEL, CA
[72] MCINNIS, PETER GEORGE, CA
[72] GOODMAN, ROBERT LAWRENCE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-08-24
[41] 2024-02-08
[30] US (17/882,993) 2022-08-08

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[21] **3,183,542**
[13] A1
[51] **Int.Cl. A01M 29/34 (2011.01) A01M 29/28 (2011.01)**
[25] EN
[54] **REMOVABLE INSECT BARRIER FOR PREVENTING INGRESS OF INSECTS THROUGH AN OPEN CAR WINDOW**
[54] **MOUSTIQUAIRE AMOVIBLE POUR EMPECHER L~ENTREE DES INSECTES PAR UNE FENETRE DE VOITURE OUVERTE**
[72] MARTIN, GARY, CA
[71] MARTIN, GARY, CA
[22] 2022-12-07
[41] 2024-02-08
[30] CA (3169893) 2022-08-08

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[21] **3,184,413**
[13] A1
[51] **Int.Cl. F04B 47/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **VERTICAL WATER PUMPING SYSTEM**
[54] **SYSTEME DE POMPAGE D~EAU VERTICAL**
[72] STREETER, WILFRED S., US
[71] STREETER, WILFRED S., US
[22] 2022-12-20
[41] 2024-02-04
[30] US (17/880,953) 2022-08-04

[21] **3,197,490**
[13] A1
[51] **Int.Cl. E05B 3/00 (2006.01) E05B 1/00 (2006.01)**
[25] EN
[54] **LOCK HANDLE AND ROTATING SHAFT COMBINATION MECHANISM**
[54] **MECANISME COMBINE DE MANETTE DE VERROUILLAGE ET D~ARBRE DE ROTATION**
[72] SHIU, JIUN-NAN, TW
[72] KO, JUN-KAI, TW
[72] LEE, CHING-WAN, TW
[71] TAIWAN FU HSING INDUSTRIAL CO., LTD., CN
[22] 2023-04-19
[41] 2024-02-05
[30] TW (111208515) 2022-08-05

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[21] **3,197,545**
[13] A1
[51] **Int.Cl. F21S 4/22 (2016.01) F21S 8/02 (2006.01) F21V 3/02 (2006.01) F21V 21/04 (2006.01)**
[25] EN
[54] **RECESSED CURVED CHANNEL LIGHT SYSTEM**
[54] **SYSTEME D~ECLAIRAGE A CANAL INCURVE ENCASTRE**
[72] KAY, GREGORY L., US
[72] WELU, SAMUEL, US
[71] PUREEDGE LIGHTING LLC, US
[22] 2023-04-20
[41] 2024-02-04
[30] US (17/817,592) 2022-08-04

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[21] **3,199,280**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 4/90 (2018.01) G08B 1/00 (2006.01) H04W 4/80 (2018.01)**
[25] EN
[54] **WORK SITE SAFETY-HAZARD NOTIFICATION SYSTEMS AND METHODS THEREOF**
[54] **SYSTEMES D~AVERTISSEMENT DES DANGERS A LA SECURITE SUR UN LIEU DE TRAVAIL ET METHODES CONNEXES**
[72] BITZ, RICK, CA
[72] BITZ, TRACEY, CA
[71] THE MARQUEE LTD., CA
[22] 2023-05-10
[41] 2024-02-06

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[21] **3,199,305**
[13] A1
[51] **Int.Cl. E05B 67/22 (2006.01) E05B 67/06 (2006.01)**
[25] EN
[54] **PADLOCK WITH REPLACEABLE LOCK HOOP**
[54] **CADENAS A ARCEAU DE VERROUILLAGE REMPLACABLE**
[72] FAN, WAI KUEN, CN
[71] ABUS AUGUST BREMICKER SOHNE KG, DE
[22] 2023-05-11
[41] 2024-02-04
[30] DE (102022119572.4) 2022-08-04

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[21] **3,199,505**
[13] A1
[51] **Int.Cl. G01D 1/18 (2006.01) H04W 4/38 (2018.01) G01K 1/024 (2021.01) B60H 1/00 (2006.01) B64D 9/00 (2006.01) B64D 13/00 (2006.01) B64D 45/00 (2006.01) G01S 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING CARGO DURING TRANSPORTATION**
[54] **SYSTEME ET METHODE DE SURVEILLANCE DES MARCHANDISES PENDANT LE TRANSPORT**
[72] ANSTEY, TIMOTHY W., US
[72] HETTICK, LAWRENCE DEAN, US
[72] CALLAHAN, KEVIN S., US
[72] HADLEY, KYLE MCLAREN, US
[72] PADILLA-DIFFOOT, CHRISTOPHER JOHN, US
[72] GARABEDIAN, THOMAS EDWIN, US
[72] AMOSU, AALIAH OLADUMNI, US
[71] THE BOEING COMPANY, US
[22] 2023-05-12
[41] 2024-02-09
[30] US (17/883,906) 2022-08-09

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[21] **3,199,789**
[13] A1
[51] **Int.Cl. E01H 1/02 (2006.01) A46B 13/00 (2006.01) A47L 11/283 (2006.01)**
[25] EN
[54] **DISH BRUSH FOR SWEEPING MACHINES WITH DEMOUNTABLE SEGMENTAL PLATE ELEMENTS PROVIDED WITH BRUSH PLUGS**
[54] **BROSSE A VAISSELLE POUR MACHINES DE BALAYAGE COMPRENANT DES ELEMENTS DE PLAQUE SEGMENTES PRESENTANT DES PRISES A BROSSE**
[72] HUYBRECKX, MICHEL JOZEF RENE, NL
[71] KOTI ONROEREND GOED B.V., NL
[22] 2023-05-17
[41] 2024-02-04
[30] EP (22075011.1) 2022-08-04

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[21] **3,199,880**
[13] A1
[51] **Int.Cl. G06F 18/20 (2023.01) G06F 40/205 (2020.01) G06F 40/295 (2020.01) G06F 40/30 (2020.01) G06F 18/213 (2023.01) G06F 18/23 (2023.01) G06F 18/24 (2023.01) G06Q 10/0637 (2023.01) G06N 5/02 (2023.01)**
[25] EN
[54] **DEEP TECHNOLOGY INNOVATION MANAGEMENT BY CROSS-POLLINATING INNOVATIONS DATASET**
[54] **GESTION DES INNOVATIONS DANS LE SECTEUR DES ENTREPRISES DE RUPTURE PAR LA POLLINISATION CROISEE D~ENSEMBLES DE DONNEES SUR LES INNOVATIONS**
[72] IYER, RAGHAVAN TINNIYAM, IN
[72] DESHPANDE, AMOD, IN
[72] KALRA, PUNEET, IN
[72] BUTANI, BHAVNA, IN
[72] SATHVIK, KIRAN RAGHUNATH, IN
[72] GHOSH, BHASKAR, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[22] 2023-05-18
[41] 2024-02-10
[30] US (17/885423) 2022-08-10

[21] **3,200,282**
[13] A1
[51] **Int.Cl. B64F 1/32 (2006.01) G06Q 10/083 (2023.01) B64D 9/00 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SCANNING AND TRACKING CARGO FOR TRANSPORT**
[54] **SYSTEME ET METHODE DE BALAYAGE ET DE SUIVI DE MARCHANDISES AUX FINS DE TRANSPORT**
[72] ANSTEY, TIMOTHY W., US
[72] CALLAHAN, KEVIN S., US
[72] HETTICK, LAWRENCE DEAN, US
[72] HADLEY, KYLE MCLAREN, US
[71] THE BOEING COMPANY, US
[22] 2023-05-23
[41] 2024-02-09
[30] US (17/883,962) 2022-08-09

[21] **3,201,574**
[13] A1
[51] **Int.Cl. B23K 9/127 (2006.01) B23K 9/02 (2006.01) B23Q 15/007 (2006.01) B25J 9/06 (2006.01) B25J 9/12 (2006.01) B25J 9/18 (2006.01) B25J 19/00 (2006.01) B25J 19/04 (2006.01) G05B 19/423 (2006.01)**
[25] EN
[54] **SIMPLIFIED ROBOTIC WELDING USING TRACED PROFILE, AND ROBOTIC WELDING SYSTEM**
[54] **SOUDAGE ROBOTIQUE MODIFIE AU MOYEN D~UN PROFIL TRACE ET SYSTEME DE SOUDAGE ROBOTIQUE**
[72] TOZER, ROBBIE, CA
[71] 649119 N.B. INC., CA
[22] 2023-05-31
[41] 2024-02-07

[21] **3,203,638**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/48 (2020.01)**
[25] EN
[54] **ATOMIZER AND ELECTRONIC ATOMIZATION DEVICE**
[54] **PULVERISATEUR ET DISPOSITIF DE PULVERISATION ELECTRONIQUE**
[72] XIE, JU, CN
[71] SHENZHEN VERDEWELL TECHNOLOGY LIMITED, CN
[22] 2023-06-15
[41] 2024-02-04
[30] CN (202222048048.2) 2022-08-04

[21] **3,205,795**
[13] A1
[51] **Int.Cl. B64C 1/14 (2006.01) E06B 1/04 (2006.01) E06B 3/58 (2006.01)**
[25] EN
[54] **A WINDOW MOUNTING STRUCTURE FOR SNAP AND CLICK MOUNTING OF A WINDOW ASSEMBLY OF AN AIRCRAFT**
[54] **STRUCTURE DE MONTAGE DE FENETRE POUR L~INSTALLATION ENCLIQUETABLE D~UN ASSEMBLAGE DE FENETRE D~AERONEF**
[72] BENTHIEN, HERMANN, DE
[72] POPPE, ANDREAS, DE
[71] AIRBUS OPERATIONS GMBH, DE
[22] 2023-07-06
[41] 2024-02-10
[30] EP (22189755.6) 2022-08-10

[21] **3,205,842**
[13] A1
[51] **Int.Cl. A24F 40/485 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREOF**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR CONNEXE**
[72] CHEN, SHOUHAO, CN
[71] SHENZHEN VERDEWELL TECHNOLOGY LIMITED, CN
[22] 2023-07-07
[41] 2024-02-04
[30] CN (202222067862.9) 2022-08-04

[21] **3,206,111**
[13] A1
[51] **Int.Cl. C23C 14/06 (2006.01) A01N 25/34 (2006.01) A01N 59/20 (2006.01) A01P 1/00 (2006.01) A61L 2/20 (2006.01) B05D 5/00 (2006.01) C23C 14/32 (2006.01) C23C 14/35 (2006.01)**
[25] EN
[54] **ANTI-MICROBIAL COATING PHYSICAL VAPOR DEPOSITION SUCH AS CATHODIC ARC EVAPORATION**
[54] **REVETEMENT ANTI-MICROBIEN PAR DEPOT PHYSIQUE EN PHASE VAPEUR, COMME L~EVAPORATION PAR ARC CATHODIQUE**
[72] SULLIVAN, PATRICK ANTHONY, US
[72] ANTON, BRYCE RANDOLPH, US
[71] VAPOR TECHNOLOGIES, INC., US
[22] 2023-07-11
[41] 2024-02-05
[30] US (17/817,666) 2022-08-05

[21] **3,206,277**
[13] A1
[51] **Int.Cl. B25B 27/24 (2006.01)**
[25] EN
[54] **VALVE SEAT INSTALLATION TOOL SYSTEM**
[54] **SYSTEME D~OUTIL D~INSTALLATION DE SIEGE DE CORPS**
[72] POREMSKI, JACOB, US
[72] TOMON, ADAM, US
[71] KENNAMETAL INC., US
[22] 2023-07-11
[41] 2024-02-09
[30] US (17/884390) 2022-08-09

[21] **3,206,588**
[13] A1
[51] **Int.Cl. B61D 49/00 (2006.01) B08B 5/02 (2006.01) B08B 5/04 (2006.01) B60S 1/64 (2006.01)**
[25] EN
[54] **RAIL CAR CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DE WAGONS**
[72] COOK, GEORGE T., US
[72] LUSK, BURT, US
[71] DIMENSION PRODUCT SOLUTIONS LP, US
[22] 2023-07-13
[41] 2024-02-10
[30] US (17/818,894) 2022-08-10

[21] **3,207,300**
[13] A1
[51] **Int.Cl. F02C 7/057 (2006.01) F02C 9/16 (2006.01) F02D 13/00 (2006.01)**
[25] EN
[54] **AIRCRAFT INTAKE DUCT WITH ACTIVELY MOVABLE FLOW RESTRICTOR**
[54] **CONDUITE D'ENTREE D~AIR D~AERONEF COMPRENANT UN LIMITEUR DE DEBIT ACTIVEMENT MOBILE**
[72] AKCAYOZ, ERAY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-07-20
[41] 2024-02-05
[30] US (17/817,758) 2022-08-05

[21] **3,207,303**
[13] A1
[51] **Int.Cl. F02C 7/042 (2006.01) B64D 33/02 (2006.01) F02C 9/16 (2006.01)**
[25] EN
[54] **AIRCRAFT INTAKE DUCT WITH PASSIVELY MOVABLE FLOW RESTRICTOR**
[54] **CONDUITE D'ENTREE D~AIR D~AERONEF COMPRENANT UN LIMITEUR DE DEBIT PASSIVEMENT MOBILE**
[72] AKCAYOZ, ERAY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-07-20
[41] 2024-02-05
[30] US (17/817,749) 2022-08-05

[21] **3,207,343**
[13] A1
[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/9032 (2019.01) G06F 40/20 (2020.01) G06F 40/35 (2020.01)**
[25] EN
[54] **CUSTOMER ADVOCACY THROUGH A VIRTUAL ASSISTANT COUPLED TO A CONTACT CENTER**
[54] **AIDE A LA CLIENTELE AU MOYEN D~UN ASSISTANT VIRTUEL CONNECTE A UN CENTRE DE CONTACT**
[72] BRAGANZA, JONATHAN, CA
[72] NAIDOO, LOGENDRA, CA
[71] MITEL NETWORKS CORPORATION, CA
[22] 2023-07-24
[41] 2024-02-09
[30] US (17/884148) 2022-08-09

[21] **3,207,345**
[13] A1
[51] **Int.Cl. H04L 51/212 (2022.01) H04W 4/16 (2009.01) H04W 4/21 (2018.01) H04L 51/04 (2022.01) H04L 51/224 (2022.01) H04L 51/52 (2022.01)**
[25] EN
[54] **COMMUNICATION SYSTEM FOR MITIGATING UNDESIRABLE SOCIAL MEDIA CONTACTS**
[54] **SYSTEME DE COMMUNICATION POUR ATTENUER LES CONTACTS INDESIRABLES SUR LES RESEAUX SOCIAUX**
[72] PRODANOVIC, RADOVAN, CA
[72] NAIDOO, LOGENDRA, CA
[71] MITEL NETWORKS CORPORATION, CA
[22] 2023-07-24
[41] 2024-02-04
[30] US (17/881,472) 2022-08-04

[21] **3,207,464**
[13] A1
[51] **Int.Cl. C08J 7/046 (2020.01) A01C 7/20 (2006.01)**
[25] EN
[54] **COATED AGRICULTURAL METERING COMPONENT**
[54] **COMPOSANT DE DOSEUR AGRICOLE RECOUVERT D~UN ENDUIT**
[72] ABLASS, NATHAN EDWIN, CA
[72] CHAPPELL, JACK R., CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2023-07-25
[41] 2024-02-08
[30] US (17/882,911) 2022-08-08

[21] **3,207,501**
[13] A1
[51] **Int.Cl. G06Q 10/0639 (2023.01) G06Q 10/0631 (2023.01) G16Y 40/10 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR REAL-TIME RECOMMENDATIONS FOR OPTIMIZED OPERATIONS**
[54] **METHODES ET SYSTEMES DE RECOMMANDATIONS EN TEMPS REEL POUR L~OPTIMISATION DES ACTIVITES**
[72] JAYATHIRTHA, SRIHARI, US
[72] LINDSEY, WADE, US
[72] HUSSAINI, SYED KHAJA AFZAL, US
[72] PILLUTLA, KRISHNA, US
[72] RYSKO, GARRETT, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2023-07-25
[41] 2024-02-10
[30] US (18/062428) 2022-12-06
[30] IN (202211045655) 2022-08-10

[21] **3,207,502**
[13] A1
[51] **Int.Cl. G06Q 10/0639 (2023.01) G16Y 40/10 (2020.01) G06Q 10/0631 (2023.01)**
[25] EN
[54] **METHODS AND DASHBOARD SYSTEMS FOR REAL-TIME RECOMMENDATIONS FOR OPTIMIZED OPERATIONS**
[54] **METHODES ET SYSTEMES DE TABLEAU DE BORD POUR DES RECOMMANDATIONS EN TEMPS REEL POUR L~OPTIMISATION DES ACTIVITES**
[72] JAYATHIRTHA, SRIHARI, US
[72] LINDSEY, WADE, US
[72] HUSSAINI, SYED KHAJA AFZAL, US
[72] PILLUTLA, KRISHNA, US
[72] RYSKO, GARRETT, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2023-07-25
[41] 2024-02-09
[30] US (18/062477) 2022-12-06
[30] IN (202211045468) 2022-08-09

[21] **3,207,569**
[13] A1
[51] **Int.Cl. B41F 27/10 (2006.01) B41F 5/24 (2006.01) B41F 30/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR REPLACING PRINTING SLEEVES**
[54] **APPAREIL POUR REMPLACER DES MANCHONS D~IMPRESSION**
[72] BICEGO, ALESSANDRO, IT
[72] SEMPERBONI, CLAUDIO, IT
[72] MEZZALANA, STEFANO, IT
[71] UTECO CONVERTING S.P.A., IT
[22] 2023-07-26
[41] 2024-02-04
[30] IT (102022000016587) 2022-08-04

[21] **3,207,673**
[13] A1
[51] **Int.Cl. G06Q 50/26 (2024.01) G07C 13/00 (2006.01) G06F 16/27 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POLITICAL GOVERNANCE THAT COMBINE REPRESENTATIVE AND DIRECT DEMOCRACY USING DECENTRALIZED OR CENTRALIZED BLOCKCHAIN TECHNOLOGY**
[54] **SYSTEMES ET METHODES DE GOUVERNANCE POLITIQUE COMBINANT LA DEMOCRATIE REPRESENTATIVE ET DIRECTE AU MOYEN D~UNE TECHNOLOGIE SUR LA CHAINE DE BLOCS CENTRALISEE OU DECENTRALISEE**
[72] O'BRIEN, LARRY, CA
[71] O'BRIEN, LARRY, CA
[22] 2023-07-27
[41] 2024-02-05
[30] US (63/395,524) 2022-08-05

[21] **3,207,682**
[13] A1
[51] **Int.Cl. E04F 13/06 (2006.01)**
[25] EN
[54] **DRYWALL TRIM**
[54] **GARNITURE DE CLOISON SECHE**
[72] STARR, DAVID, US
[72] STAROZHITSKY, MICHAEL, US
[71] NOLL/NORWESCO LLC., US
[22] 2023-07-27
[41] 2024-02-05
[30] US (63/395,527) 2022-08-05

[21] **3,207,688**
[13] A1
[51] **Int.Cl. B01D 67/00 (2006.01) B01D 69/08 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR POROUS MEMBRANE**
[54] **METHODE DE FABRICATION D~UNE MEMBRANE POREUSE**
[72] MIKI, YUKI, JP
[72] TANAKA, NORIHITO, JP
[72] HASHINO, MASATOSHI, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP
[22] 2023-07-26
[41] 2024-02-05
[30] JP (2022-125921) 2022-08-05

[21] **3,207,702**
[13] A1
[51] **Int.Cl. H02H 7/22 (2006.01) H01H 9/26 (2006.01) H01R 13/707 (2006.01) H01R 13/713 (2006.01)**
[25] EN
[54] **SOFTWARE CONTROLLED INTERLOCKING PILOT PIN CONNECTOR SYSTEM**
[54] **SYSTEME DE GOUJONS DE CENTRAGE INTERVERROUILLES CONTROLE PAR UN LOGICIEL**
[72] SMITH, PAUL, US
[72] EVEZIC, ERIC, US
[72] LAMBERTUS, ADAM, US
[71] STEWART & STEVENSON LLC, US
[22] 2023-07-28
[41] 2024-02-09
[30] US (63/396516) 2022-08-09

[21] **3,207,708**
[13] A1
[51] **Int.Cl. H04B 3/54 (2006.01) H04B 1/3822 (2015.01) H04L 5/06 (2006.01) H04L 27/12 (2006.01)**
[25] EN
[54] **HIGH SPEED POWER LINE COMMUNICATIONS FOR AUTOMOTIVE TRACTORS AND TRAILERS**
[54] **COMMUNICATIONS SUR LIGNE ELECTRIQUE HAUTE VITESSE POUR LES TRACTEURS ET LES REMORQUES AUTOMOBILES**
[72] CREMONA, MICHAEL D., US
[72] HAYES, THOMAS J., US
[72] WIJAYA, TANDI, US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[22] 2023-07-27
[41] 2024-02-09
[30] US (17/884.025) 2022-08-09

[21] **3,207,754**
[13] A1
[51] **Int.Cl. H02B 1/56 (2006.01) H02K 9/00 (2006.01) H05K 7/20 (2006.01) H02P 27/04 (2016.01)**
[25] EN
[54] **MODULAR INTEGRATED COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT INTEGRE MODULAIRE**
[72] SHARP, BRIAN, US
[71] STEWART & STEVENSON LLC, US
[22] 2023-07-27
[41] 2024-02-08
[30] US (63/396,127) 2022-08-08
[30] US (18/226,532) 2023-07-26

[21] **3,207,777**
[13] A1
[51] **Int.Cl. B09B 3/35 (2022.01) B09B 3/40 (2022.01) C22B 1/00 (2006.01) C22B 7/00 (2006.01) F27B 7/06 (2006.01) F27B 7/32 (2006.01) F27B 7/33 (2006.01) H01M 10/54 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **MOBILE DEVICE FOR TREATING LITHIUM-ION ACCUMULATORS AND METHOD FOR THE TREATING LITHIUM-ION ACCUMULATORS**
[54] **DISPOSITIF MOBILE ET METHODE POUR LE TRAITEMENT DES ACCUMULATEURS AU LITHIUM-ION**
[72] UHL, MATTHIAS, DE
[72] BIRD, DENNIS, DE
[71] RIEDHAMMER GMBH, DE
[22] 2023-07-28
[41] 2024-02-10
[30] EP (22189740.8) 2022-08-10

[21] **3,207,796**
[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) B65G 1/04 (2006.01) B65G 17/00 (2006.01) B65G 57/30 (2006.01) B65G 65/02 (2006.01)**
[25] EN
[54] **BLOCK STORAGE ARRANGEMENT AND METHOD FOR OPERATING A BLOCK STORAGE ARRANGEMENT**
[54] **CONFIGURATION DE STOCKAGE EN BLOC ET METHODE D~EXPLOITATION**
[72] BECKER, MICHAEL, DE
[72] MORAWIETZ, TIMM, DE
[72] CAVELIUS, JORG, DE
[71] JUNGHEINRICH AKTIENGESELLSCHAFT, DE
[22] 2023-07-27
[41] 2024-02-05
[30] EP (22188920.7) 2022-08-05

[21] **3,207,828**
[13] A1
[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 20/22 (2012.01)**
[25] EN
[54] **INTEGRATION OF MULTI-USER INTERACTIONS USING DATA LINKAGE**
[54] **INTEGRATION DES INTERACTIONS A UTILISATEURS MULTIPLES AU MOYEN DU COUPLAGE DE DONNEES**
[72] AMBROSE, JASON, AU
[72] LAGOMARSINO, JON, AU
[72] PARKER HUGHES, MELISSA, AU
[72] SAINTILAN, CHLOE, AU
[71] AFTERPAY LIMITED, AU
[22] 2023-07-28
[41] 2024-02-10
[30] US (17/884,874) 2022-08-10

[21] **3,207,936**
[13] A1
[51] **Int.Cl. B60R 22/10 (2006.01) A01K 29/00 (2006.01) B60N 2/42 (2006.01) B60N 3/00 (2006.01)**
[25] EN
[54] **PET BOOSTER SEATS AND METHODS FOR MAKING AND USING THE SAME**
[54] **SIEGES REHAUSSEURS POUR ANIMAUX DE COMPAGNIE ET METHODES DE FABRICATION ET D~UTILISATION**
[72] FERRARA, CASEY, US
[72] WATSON, JEFFREY STOCKER, US
[72] SHEN, XUE HAI, CN
[71] PETSMART HOME OFFICE, INC., US
[22] 2023-07-27
[41] 2024-02-09
[30] US (17/884,438) 2022-08-09

[21] **3,207,994**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR GIG DRIVING DETECTION**
[54] **SYSTEME ET METHODE DE DETECTION DE CONDUITE A LA DEMANDE**
[72] JESCHKE, CLAYTON, US
[72] PERIGNON, MARIELA, US
[72] WINTER, NICHOLAS, US
[72] KARMARKAR, DIPTI, US
[72] TAYI, ANJANA, US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2023-07-31
[41] 2024-02-10
[30] US (17/884,834) 2022-08-10

[21] **3,208,026**
[13] A1
[25] EN
[54] **AUTONOMOUS DIGITAL MEDIA PROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES DE TRAITEMENT DE CONTENU NUMERIQUE AUTONOMES ET METHODES**
[72] IMES, KEVIN, US
[71] HOLE-IN-ONE MEDIA, INC., US
[22] 2023-08-01
[41] 2024-02-10
[30] US (17/884,905) 2022-08-10

[21] **3,208,029**
[13] A1
[51] **Int.Cl. H01H 9/52 (2006.01) H01H 1/62 (2006.01) H01H 71/02 (2006.01) H03K 17/08 (2006.01)**
[25] EN
[54] **A SOLID-STATE CIRCUIT BREAKER WITH A VENTILATIONS SYSTEM THAT USES MULTI-LAYERED COVERS TO VENTILATE FOR COOLING**
[54] **COUPE-CIRCUIT A SEMICONDUCTEURS COMPRENANT UN SYSTEME DE VENTILATION UTILISANT DES COUVERTURES MULTICOUCHES AUX FINS DE REFROIDISSEMENT**
[72] TITUS, SOLOMON R., US
[71] SIEMENS INDUSTRY, INC., US
[22] 2023-08-01
[41] 2024-02-04
[30] US (17/817,387) 2022-08-04

[21] **3,208,083**
[13] A1
[51] **Int.Cl. B60R 22/10 (2006.01) B60N 2/24 (2006.01) B60R 11/00 (2006.01) B60R 22/26 (2006.01)**
[25] EN
[54] **PET BOOSTER SEATS AND METHODS FOR MAKING AND USING THE SAME**
[54] **SIEGES REHAUSSEURS POUR ANIMAUX DE COMPAGNIE ET METHODES DE FABRICATION ET D~UTILISATION**
[72] FERRARA, CASEY, US
[72] WATSON, JEFFREY STOCKER, US
[72] SHEN, XUE HAI, CN
[71] PETSMART HOME OFFICE, INC., US
[22] 2023-07-27
[41] 2024-02-09
[30] US (17/884,438) 2022-08-09

[21] **3,208,178**
[13] A1
[51] **Int.Cl. A61G 17/00 (2006.01) B05B 17/00 (2006.01) B64D 1/16 (2006.01) B64G 1/66 (2006.01)**
[25] EN
[54] **A DEVICE**
[54] **DISPOSITIF**
[72] BAKER, ALEX, GB
[72] ROSE, CHRIS, GB
[71] SENT INTO SPACE LIMITED, GB
[22] 2023-07-31
[41] 2024-02-04
[30] GB (2211401.1) 2022-08-04

[21] **3,208,183**
[13] A1
[51] **Int.Cl. B41F 27/10 (2006.01) B41F 5/24 (2006.01) B41F 30/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR AUTOMATICALLY REPLACING PRINTING SLEEVES**
[54] **APPAREIL POUR REMPLACER AUTOMATIQUEMENT DES MANCHONS D~IMPRESSION**
[72] BICEGO, ALESSANDRO, IT
[72] SEMPERBONI, CLAUDIO, IT
[72] MEZZALANA, STEFANO, IT
[71] UTECO CONVERTING S.P.A., IT
[22] 2023-07-31
[41] 2024-02-04
[30] IT (102022000016581) 2022-08-04

[21] **3,208,232**
[13] A1
[51] **Int.Cl. B28D 1/00 (2006.01) B28D 7/00 (2006.01) E01C 23/06 (2006.01)**
[25] EN
[54] **A SURFACE PROCESSING DEVICE AND METHODS OF USE THEREOF**
[54] **DISPOSITIF DE TRAITEMENT DE SURFACE ET SES METHODES D'UTILISATION**
[72] WAGMAN, GEORGE FREDERICK, US
[71] WAGMAN METAL PRODUCTS, INC., US
[22] 2023-08-03
[41] 2024-02-05
[30] US (17/817,850) 2022-08-05

[21] **3,208,263**
[13] A1
[51] **Int.Cl. A45F 3/08 (2006.01) A45F 3/10 (2006.01)**
[25] EN
[54] **CARRYING SYSTEM FOR A PIECE OF EQUIPMENT**
[54] **SYSTEME DE TRANSPORT D~EQUIPEMENT**
[72] SCHWAGER, MARTIN, DE
[71] LINDNERHOF-TAKTIK GMBH, DE
[22] 2023-08-03
[41] 2024-02-05
[30] DE (10 2022 119 727.1) 2022-08-05

[21] **3,208,264**
[13] A1
[51] **Int.Cl. A45F 3/08 (2006.01) A45F 3/04 (2006.01) A45F 3/10 (2006.01)**
[25] EN
[54] **CARRYING RACK**
[54] **RATELIER DE TRANSPORT**
[72] SCHWAGER, MARTIN, DE
[71] LINDNERHOF-TAKTIK GMBH, DE
[22] 2023-08-03
[41] 2024-02-05
[30] DE (10 2022 119 746.8) 2022-08-05

[21] **3,208,324**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 4/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATICALLY ASSESSING EVENT RECOVERY IN AN ELECTRICAL SYSTEM**
[54] **SYSTEMES ET METHODES D~EVALUATION AUTOMATIQUE DE LA RECUPERATION D~UN EVENEMENT DANS UN SYSTEME ELECTRIQUE**
[72] BICKEL, JON A., US
[72] PELTIER, COLTON THOMAS, US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2023-08-03
[41] 2024-02-05
[30] US (63/395,651) 2022-08-05
[30] US (18/078,446) 2022-12-09

[21] **3,208,393**
[13] A1
[51] **Int.Cl. A47B 91/00 (2006.01) A47B 96/14 (2006.01) A47F 10/00 (2006.01) E03C 1/326 (2006.01) F16B 12/52 (2006.01) F16M 11/20 (2006.01)**
[25] EN
[54] **LEG ASSEMBLY FOR BAR EQUIPMENT**
[54] **ASSEMBLAGE DE PATTE DE BAR**
[72] WANGBERG, LEE M., US
[72] BIESIADA, DENNIS P., US
[71] PERLICK CORPORATION, US
[22] 2023-08-03
[41] 2024-02-05
[30] US (63/395715) 2022-08-05

[21] **3,208,397**
[13] A1
[51] **Int.Cl. B25H 3/00 (2006.01) A47B 13/08 (2006.01) B25H 1/00 (2006.01) B25H 3/02 (2006.01)**
[25] EN
[54] **COMPOSITE WORK SURFACE**
[54] **SURFACE DE TRAVAIL COMPOSITE**
[72] TERMINELLA, THOMAS A., JR, US
[71] SNAP-ON INCORPORATED, US
[22] 2023-08-02
[41] 2024-02-05
[30] US (63/395650) 2022-08-05
[30] US (18/226766) 2023-07-26

[21] **3,208,456**
[13] A1
[51] **Int.Cl. A47C 17/38 (2006.01) A47C 17/40 (2006.01)**
[25] EN
[54] **WALL BED SYSTEM AND METHOD OF ASSEMBLY**
[54] **SYSTEME DE LIT MURAL ET METHODE D~ASSEMBLAGE**
[72] ENNS, ROBERT KENNETH, CA
[71] EMBED HOME PRODUCTS INC., CA
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,372) 2022-08-05

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[21] **3,208,518**
[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01) H04W 16/26 (2009.01) H04B 10/2575 (2013.01) H04B 1/18 (2006.01) H04B 1/40 (2015.01) H04W 88/04 (2009.01)**
[25] EN
[54] **REPEATER WITH FIELD-CONFIGURED FIBER/RADIO FREQUENCY (RF) MODE**
[54] **RELAIS RADIOELECTRIQUE COMPRENANT UN MODE DE RADIOFREQUENCE OU DE FIBRE OPTIQUE CONFIGURE SUR LE TERRAIN**
[72] FARISS, STEPHEN TODD, US
[72] MOUSER, MICHAEL JAMES, US
[72] PATEL, ILESH V., US
[72] ANDERSON, DALE ROBERT, US
[72] ASHWORTH, CHRISTOPHER KEN, US
[71] WILSON ELECTRONICS, LLC, US
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,697) 2022-08-05

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[21] **3,208,527**
[13] A1
[51] **Int.Cl. H05B 47/105 (2020.01) H05B 45/10 (2020.01) H05B 47/115 (2020.01)**
[25] EN
[54] **LIGHTING SYSTEM**
[54] **SYSTEME D~ECLAIRAGE**
[72] NICHOLS, JOEL, US
[72] PICCIUTO, DOMINIC, US
[72] BROSOSKY, ADAM, US
[71] AVID LABS, LLC, US
[22] 2023-08-04
[41] 2024-02-08
[30] US (17/818092) 2022-08-08
[30] US (18/169411) 2023-02-15
[30] US (18/354088) 2023-07-18
[30] US (63/498286) 2023-04-26

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[21] **3,208,533**
[13] A1
[51] **Int.Cl. B62D 55/088 (2006.01) B62D 55/08 (2006.01)**
[25] EN
[54] **ICE SCRATCHER**
[54] **GRATTOIR A GLACE**
[72] LAUGEN, JESSE, US
[72] MICKELSON, JOSHUA J., US
[72] HUGHES, JEREMY ALLEN, US
[72] JOHNSON, JEFFREY NELS, US
[72] MORTENSON HOLT, AUSTIN ADAIR, US
[72] WOOD, JOSEPH PATRICK, US
[72] EICHENBERGER, JEREMY, US
[71] POLARIS INDUSTRIES INC., US
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,559) 2022-08-05

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[21] **3,208,588**
[13] A1
[25] EN
[54] **SYSTEM FOR DETERMINATION OF LINE AND LEVEL FOR TRENCHLESS CONSTRUCTION**
[54] **SYSTEME POUR DETERMINER LA LIGNE ET LE NIVEAU D~UNE CONSTRUCTION SANS TRANCHEE**
[72] ORNDORFF, AARON, US
[72] SHERRELL, BRIAN, US
[71] PLG TECHNOLOGIES, INC., US
[22] 2023-08-04
[41] 2024-02-10
[30] US (63/396,713) 2022-08-10
[30] US (18/229,813) 2023-08-03

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[21] **3,208,594**
[13] A1
[25] EN
[54] **RENDERING A DYNAMIC ENDEMIC BANNER ON STREAMING PLATFORMS USING CONTENT RECOMMENDATION SYSTEMS AND CONTENT MODELING FOR USER EXPLORATION AND AWARENESS**
[54] **RENDU D~UNE BANNIERE ENDEMIQUE DYNAMIQUE SUR DES PLATEFORMES DE DIFFUSION AU MOYEN DE SYSTEMES DE RECOMMANDATION DE CONTENU ET DE LA MODELISATION DE CONTENU AUX FINS D~EXPLORATION ET DE VISIBILITE PAR LES UTILISATEURS**
[72] SANGHAVI, MEHUL, US
[72] MAHTO, ROHIT, US
[72] LEE, KELLY, US
[72] TANEJA, MADHULIKA, US
[71] ROKU, INC., US
[22] 2023-08-04
[41] 2024-02-05
[30] US (17/882,184) 2022-08-05

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[21] **3,208,600**
[13] A1
[51] **Int.Cl. H04W 72/25 (2023.01) H04W 72/02 (2009.01) H04W 72/044 (2023.01) H04W 72/231 (2023.01) H04W 72/40 (2023.01)**
[25] EN
[54] **SIDELINK RADIO RESOURCES ON SHARED SPECTRUM**
[54] **RESSOURCES RADIO EN LIAISON LATERALE SUR LE SPECTRE PARTAGE**
[72] HUI, BING, US
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL HEJAZI, US
[72] JEON, HYOUNGSUK, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,464) 2022-08-05

[21] **3,208,602**
[13] A1
[51] **Int.Cl. H04B 7/204 (2006.01) H04W 72/23 (2023.01) H04W 72/54 (2023.01) H04W 74/0833 (2024.01)**
[25] EN
[54] **RANDOM ACCESS IN NON-TERRESTRIAL NETWORK**
[54] **ACCES ALEATOIRE DANS UN RESEAU NON TERRESTRE**
[72] DASHTAKI, MOHAMMAD GHADIR KHOSHKHOLGH, US
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[72] ZHOU, HUA, US
[72] PRASAD, GAUTHAM, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,456) 2022-08-05

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[21] **3,208,616**
[13] A1
[51] **Int.Cl. B60C 13/00 (2006.01) B29D 30/08 (2006.01) B60C 13/02 (2006.01)**
[25] EN
[54] **STRUCTURE FOR ENHANCING SIDEWALL MARKING CONTRAST AND TIRE WITH THE SAME**
[54] **STRUCTURE POUR ACCROITRE LE CONTRASTE DU MARQUAGE DE FLANC ET PNEU COMPRENANT CETTE STRUCTURE**
[72] LIN, MIN-CHI, TW
[72] HSU, YU-HAO, TW
[72] CHANG, CHANG-CHIH, TW
[72] DUONG, THI KIM CHI, TW
[71] CHENG SHIN RUBBER IND. CO., LTD., TW
[22] 2023-08-08
[41] 2024-02-09
[30] TW (111129923) 2022-08-09

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[21] **3,208,635**
[13] A1
[51] **Int.Cl. A61K 51/00 (2006.01)**
[25] EN
[54] **TARGET IRRADIATION SYSTEM AND AN EFFECTOR FOR THE SAME**
[54] **SYSTEME D~IRRADIATION D~UNE CIBLE ET EFFECTEUR CONNEXE**
[72] GELBART, WILLIAM, CA
[71] ISOSOLUTIONS MARKETING AND MANAGEMENT INC., CA
[22] 2023-08-07
[41] 2024-02-07
[30] US (63395858) 2022-08-07

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[21] **3,208,640**
[13] A1
[51] **Int.Cl. F24D 19/00 (2006.01) F24F 7/007 (2006.01)**
[25] EN
[54] **BASEBOARD HEATER BOOSTER**
[54] **ACCELERATEUR POUR PLINTHE CHAUFFANTE**
[72] HOTH, CHRISTOPHER F., US
[72] BLANCHARD, MARK D., US
[72] MELVILLE, DOUG F., JR., US
[72] POPEK, BRUCE PETER, US
[72] WILLIAMS, MARK B., US
[71] HOTH, CHRISTOPHER F., US
[71] BLANCHARD, MARK D., US
[71] MELVILLE, DOUG F., JR., US
[71] POPEK, BRUCE PETER, US
[71] WILLIAMS, MARK B., US
[22] 2023-08-08
[41] 2024-02-08
[30] US (63/396,212) 2022-08-08

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[21] **3,208,644**
[13] A1
[51] **Int.Cl. H04W 72/23 (2023.01) H04W 72/04 (2023.01) H04W 84/12 (2009.01)**
[25] EN
[54] **TRIGGER FRAME FOR UPLINK RESOURCE ALLOCATION**
[54] **TRAME DE DECLENCHEMENT POUR L~ATTRIBUTION DE RESSOURCES EN LIAISON MONTANTE**
[72] KIM, JEONGKI, US
[72] HUQ, KAZI MOHAMMED SAIDUL, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-04
[41] 2024-02-05
[30] US (63/395,441) 2022-08-05

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[21] **3,208,691**
[13] A1
[51] **Int.Cl. F16M 1/04 (2006.01) F02C 7/32 (2006.01) F02F 7/00 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE EXHAUST CASE WITH BLADE SHROUD AND STIFFENERS**
[54] **BUSE D'ECHAPPEMENT DE TURBINE A GAZ COMPRENANT UNE ENVELOPPE POUR AUBES ET DES RAIDISSEURS**
[72] SAVARD, PHILIPPE, CA
[72] LEFEBVRE, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-08-08
[41] 2024-02-09
[30] US (17/884,201) 2022-08-09

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[21] **3,208,709**
[13] A1
[51] **Int.Cl. G09B 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF GENERATING EXAMS**
[54] **SYSTEMES ET METHODES POUR GENERER DES EXAMENS**
[72] TUDELA, GONZALO, CA
[72] OSHIKA, JUN, CA
[72] MACKENZIE, KENNETH HENRY, CA
[72] SKOUSEN, BRADLEY REED, US
[71] EXAMIND AI INC., CA
[22] 2023-08-08
[41] 2024-02-08
[30] US (63/396,109) 2022-08-08

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[21] **3,208,712**
[13] A1
[51] **Int.Cl. F21V 15/01 (2006.01) F21S 4/22 (2016.01) F21S 8/02 (2006.01)**
[25] EN
[54] **RECESSED CURVED CHANNEL LIGHT SYSTEM**
[54] **SYSTEME D~ECLAIRAGE A CANAL INCURVE ENCASTRE**
[72] KAY, GREGORY L., US
[71] PUREEDGE LIGHTING LLC, US
[22] 2023-08-04
[41] 2024-02-04
[30] US (17/817,420) 2022-08-04

[21] **3,208,722**
[13] A1
[51] **Int.Cl. F16B 37/04 (2006.01)**
[25] EN
[54] **CHANNEL NUT HOLDER WITH POLYMER HOUSING**
[54] **SUPPORT D~ECROU CRENELE ET LOGEMENT POLYMERE**
[72] KHOT, VISHAL, IN
[72] BENAKE, DINKAR, IN
[72] HULE, VEDANT, IN
[72] PATIL, VEERANGOWDA, IN
[71] EATON INTELLIGENT POWER LTD., IE
[22] 2023-08-08
[41] 2024-02-09
[30] IN (202211045397) 2022-08-09

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[21] **3,208,730**
[13] A1
[51] **Int.Cl. H02G 3/32 (2006.01)**
[25] EN
[54] **CABLE STACKER**
[54] **RECEPTEUR DE CABLE**
[72] CURRY, KYLE, US
[72] THE, AGUS SURYANA, US
[71] SOUTHWIRE COMPANY, LLC, US
[22] 2023-08-09
[41] 2024-02-09
[30] US (63/370,888) 2022-08-09

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[21] **3,208,740**
[13] A1
[51] **Int.Cl. H04L 67/565 (2022.01) H04L 67/55 (2022.01) H04L 1/08 (2006.01) H04L 51/066 (2022.01) H04L 51/214 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EVENT NOTIFICATION**
[54] **METHODE ET SYSTEME DE NOTIFICATION D~EVENEMENT**
[72] JIANG, SHANGJIA, CA
[72] HO, CHUNG WING, CA
[72] SISA, LARA, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-08-09
[41] 2024-02-09
[30] US (63/396,447) 2022-08-09

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[21] **3,208,759**
[13] A1
[51] **Int.Cl. H04W 52/38 (2009.01) H04W 24/08 (2009.01) H04W 52/18 (2009.01) H04B 7/0408 (2017.01) H04B 17/00 (2015.01) H04B 7/04 (2017.01)**
[25] EN
[54] **DETERMINATION OF POWER CONTROL PARAMETERS**
[54] **DETERMINATION DES PARAMETRES DE CONTROLE DE PUISSANCE**
[72] CIRIK, ALI CAGATAY, US
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-08
[41] 2024-02-08
[30] US (63/395,946) 2022-08-08

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[21] **3,208,760**
[13] A1
[25] EN
[54] **MAGNITUDE CODING AND DECODING USING PREDICTION**
[54] **CODAGE ET DECODAGE DE MAGNITUDE UTILISANT LA PREDICTION**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, US
[72] RUFITSKIY, VASILY ALEXEEVICH, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-08
[41] 2024-02-08
[30] US (63/396,061) 2022-08-08

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[21] **3,208,762**
[13] A1
[51] **Int.Cl. G06F 18/20 (2023.01) G06F 18/24 (2023.01) G06F 17/00 (2019.01)**
[25] EN
[54] **DOCUMENT PROCESSING**
[54] **TRAITEMENT DE DOCUMENTS**
[72] BENSOUSSAN, PASCAL, FR
[72] BOUREZ, CHRISTOPHER, FR
[72] DO, XUAN KHANH, FR
[71] IVALUA SAS, FR
[22] 2023-08-08
[41] 2024-02-09
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[21] **3,208,777**
[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01) E05D 3/14 (2006.01) E06C 5/02 (2006.01)**
[25] EN
[54] **FIVE AND SIX BAR LINKAGE MECHANISMS FOR VEHICLE STEPS**
[54] **MECANISMES A CINQ OU A SIX BARRES POUR MARCHES DE VEHICULE**
[72] LEE, V-BOND, CA
[72] ZHANG, CHI, CA
[72] JAMIESON, DESMOND P., CA
[72] GODFREY, JERRY, CA
[71] MAGNA EXTERIORS INC., CA
[22] 2023-08-08
[41] 2024-02-08
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[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 1/02 (2006.01) F01D 17/16 (2006.01) F04D 29/56 (2006.01)**
[25] EN
[54] **VARIABLE VANE AIRFOIL WITH RECESS TO ACCOMMODATE PROTUBERANCE**
[54] **SURFACE PORTANTE D~UNE AUBE A INCIDENCE VARIABLE COMPORTANT UN EVIDEMENT POUR ACCUEILLIR UNE SAILLIE**
[72] NICHOLS, JASON, CA
[72] BATCH, DAVID, CA
[72] POICK, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-08-08
[41] 2024-02-09
[30] US (17/884,167) 2022-08-09

[21] **3,208,937**
[13] A1
[51] **Int.Cl. F01D 1/02 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **VARIABLE VANE AIRFOIL WITH AIRFOIL TWIST TO ACCOMMODATE PROTUBERANCE**
[54] **SURFACE PORTANTE D~UNE AUBE A INCIDENCE VARIABLE CAPABLE D~INCLINAISON POUR ACCUEILLIR UNE SAILLIE**
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-08-08
[41] 2024-02-09
[30] US (17/884,184) 2022-08-09

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[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01) B64D 31/00 (2024.01) F01N 11/00 (2006.01)**
[25] EN
[54] **AIRCRAFT CONTRAIL MONITORING AND TARGETED MITIGATION**
[54] **SURVEILLANCE D~UNE TRAINEE DE CONDENSATION D~AERONEF ET ATTENUATION CIBLEE**
[72] STRATTON, RUSSELL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-08-08
[41] 2024-02-09
[30] US (63/396,418) 2022-08-09
[30] US (17/978,621) 2022-11-01

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[13] A1
[51] **Int.Cl. C01B 3/56 (2006.01) C01B 3/34 (2006.01) C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **INTEGRATION OF HYDROGEN FUELED GAS TURBINE WITH A HYDROCARBON REFORMING PROCESS**
[54] **INTEGRATION D~UNE TURBINE A GAZ ALIMENTEE A L~HYDROGENE A UN PROCEDE DE REFORMAGE D~HYDROCARBURES**
[72] FOLLACA, VINCENT, US
[72] NELSON, ALISON RENEE, US
[72] PHILLIPS, DWAYNE HOLLY, US
[72] DANIELS, DAMON, US
[71] TALLGRASS MLP OPERATIONS, LLC, US
[22] 2023-08-10
[41] 2024-02-10
[30] US (63/371,009) 2022-08-10

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[21] **3,209,016**
[13] A1
[51] **Int.Cl. H01M 50/519 (2021.01) H01M 10/655 (2014.01) H01M 50/262 (2021.01)**
[25] EN
[54] **A BATTERY PACK AND AN ELECTRIC TOOL INCLUDING THE BATTERY PACK**
[54] **BLOC-BATTERIE ET OUTIL ELECTRIQUE COMPRENANT LE BLOC-BATTERIE**
[72] LI, SHENG PING, CN
[72] GUO, ZHAO JIE, CN
[72] ZHAO, JIANG, CN
[72] ZHAO, JIAN GUO, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2023-08-09
[41] 2024-02-10
[30] CN (202210956387.2) 2022-08-10

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[21] **3,209,026**
[13] A1
[51] **Int.Cl. H04W 72/232 (2023.01) H04W 74/04 (2009.01) H04B 7/0408 (2017.01) H04W 72/1273 (2023.01) H04W 72/231 (2023.01) H04W 72/50 (2023.01)**
[25] EN
[54] **DEFAULT UNIFIED BEAM SELECTION**
[54] **SELECTION UNIFIEE DE FAISCEAU PAR DEFAUT**
[72] CIRIK, ALI CAGATAY, US
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-08-10
[41] 2024-02-10
[30] US (63/396,692) 2022-08-10

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[21] **3,209,046**
[13] A1
[51] **Int.Cl. B66C 17/00 (2006.01) B66C 7/12 (2006.01) B66C 9/10 (2006.01)**
[25] EN
[54] **GAP-JUMPING OVERHEAD CRANE**
[54] **PONT ROULANT PERMETTANT DE FRANCHIR UN ESPACE**
[72] GIVENS, RAY, CA
[71] GIVENS, RAY, CA
[22] 2023-08-10
[41] 2024-02-10
[30] US (63/396,671) 2022-08-10

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[21] **3,211,661**
[13] A1
[51] **Int.Cl. B08B 1/10 (2024.01) B08B 1/34 (2024.01)**
[25] EN
[54] **DE-SCALING DEVICE**
[54] **DISPOSITIF DE DECALAMINAGE**
[72] BYRNE, TERRENCE K., US
[71] THE PLUG HUG, LLC, US
[22] 2023-09-08
[41] 2024-02-10
[30] US (63/396,815) 2022-08-10
[30] US (18/084,308) 2022-12-19

[21] **3,220,443**
[13] A1
[51] **Int.Cl. G09B 5/00 (2006.01) G06Q 50/20 (2012.01) G09B 5/02 (2006.01) G09B 21/00 (2006.01)**
[25] EN
[54] **PUBLISHING AND DISTRIBUTION SYSTEM AND METHOD FOR E-LEARNING CONTENT ACROSS MULTIPLE LEARNING ENVIRONMENTS**
[54] **SYSTEME ET METHODE DE PUBLICATION ET DE DISTRIBUTION POUR LE CONTENU D~APPRENTISSAGE ELECTRONIQUE DANS DE MULTIPLES ENVIRONNEMENTS D~APPRENTISSAGE**
[72] LAMBERT, OWEN, CA
[71] THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHORITY (TVO), CA
[22] 2023-11-17
[41] 2024-02-06

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Demandes PCT entrant en phase nationale

[21] **3,172,520**
[13] A1
[51] **Int.Cl. A61B 50/36 (2016.01) A61B 50/30 (2016.01) H04W 4/38 (2018.01) G01F 23/292 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING SHARPS LEVELS IN SECURED SHARPS CONTAINERS**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE NIVEAUX DE TRANCHANTS DANS LES CONTENANTS SECURITAIRES POUR OBJETS POINTUS ET TRANCHANTS**
[72] BONDARENKO, VOLODIMIR, CA
[72] BELLINGER, SEAN, US
[72] RECENO, CLEMENTE, CA
[72] GABBAY, DAN, CA
[72] CABRERA, ALEJANDRO, CA
[72] KANG, MOOKWAN, CA
[71] SMART WAVE TECHNOLOGIES, INC., CA
[85] 2022-09-20
[86] 2022-08-05 (PCT/CA2022/051197)
[87] (3172520)
[30] US (63/235,533) 2021-08-20

[21] **3,183,186**
[13] A1
[51] **Int.Cl. A62B 35/00 (2006.01) E04G 21/32 (2006.01)**
[25] EN
[54] **A FALL PROTECTION SAFETY RAIL SYSTEM**
[54] **SYSTEME DE GARDE-FOU POUR LA PROTECTION CONTRE LES CHUTES**
[72] VOSS, MURRAY, AU
[72] VOSS, BARRY, AU
[71] SAYFA R&D PTY LTD, AU
[85] 2022-12-16
[86] 2022-08-10 (PCT/AU2022/050871)
[87] (3183186)
[30] AU (AU2021902519) 2021-08-13

[21] **3,206,633**
[13] A1
[51] **Int.Cl. H05B 33/14 (2006.01) C09K 11/02 (2006.01) C09K 11/06 (2006.01) H05B 33/06 (2006.01)**
[25] EN
[54] **LIGHT EMITTING ELECTROCHEMICAL CELL**
[54] **CELLULE ELECTROCHIMIQUE D'EMISSION DE LUMIERE**
[72] VEMBRIS, AIVARS, LV
[72] SUNA, EDGARS, LV
[72] MAURUCAITE, ADRIANA, LV
[72] LEDUSKRASTS, KASPARS, LV
[71] INSTITUTE OF SOLID STATE PHYSICS, UNIVERSITY OF LATVIA, LV
[71] LATVIAN INSTITUTE OF ORGANIC SYNTHESIS, LV
[85] 2023-07-26
[86] 2022-11-25 (PCT/IB2022/061411)
[87] (3206633)
[30] LV (LVP2022000067) 2022-08-04

[21] **3,209,860**
[13] A1
[51] **Int.Cl. A63B 21/06 (2006.01) A63B 23/04 (2006.01)**
[25] EN
[54] **STANDING SQUAT CALF RAISE**
[54] **EXTENSION DES MOLLETS EN POSITION D'ACCROUPISSEMENT DEBOUT**
[72] BYUN, HYUN JUNG, KR
[71] NEWTECH WELLNESS CO., LTD., KR
[85] 2023-08-25
[86] 2022-12-13 (PCT/KR2022/020186)
[87] (3209860)
[30] KR (10-2022-0098763) 2022-08-08

[21] **3,215,363**
[13] A1
[51] **Int.Cl. B01J 20/30 (2006.01) C08K 3/01 (2018.01) C01D 15/00 (2006.01) C02F 1/28 (2006.01) C08L 5/04 (2006.01) C08L 5/08 (2006.01) C08L 5/12 (2006.01) C08L 29/04 (2006.01) C22B 3/24 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR HIGH-ADSORPTION-CAPACITY GRANULAR ALUMINUM SALT LITHIUM EXTRACTION ADSORBENT**
[54] **METHODE DE PREPARATION D'UN ADSORBANT D'ALUMINIUM GRANULAIRE A GRANDE CAPACITE D'ADSORPTION POUR L'EXTRACTION DU SEL DE LITHIUM**
[72] CAI, RONGFU, CN
[72] YANG, JINFENG, CN
[72] GAO, FENG, CN
[72] DENG, LONGFEI, CN
[72] BAN, WENJUN, CN
[72] DAI, YIHUA, CN
[71] SINOLITHIUM MATERIALS LIMITED, CN
[71] CHENGDU CHEMPHYS CHEMICAL INDUSTRY CO., LTD, CN
[85] 2023-10-12
[86] 2022-11-23 (PCT/CN2022/133586)
[87] (3215363)
[30] CN (202210935543.7) 2022-08-04

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[13] A1
[51] **Int.Cl. B01J 20/30 (2006.01) C01F 7/57 (2022.01) C01D 15/00 (2006.01) C22B 3/24 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR FUNCTIONAL MATERIAL FOR EXTRACTING LITHIUM FROM ALUMINUM SALT**
[54] **METHODE DE PREPARATION POUR UN MATERIAU FONCTIONNEL D'EXTRACTION DU LITHIUM D'UN SEL D'ALUMINIUM**
[72] YANG, JINFENG, CN
[72] GAO, FENG, CN
[72] CHEN, HAITAO, CN
[72] DAI, YIHUA, CN
[72] CAI, RONGFU, CN
[72] BAN, WENJUN, CN
[71] CHENGDU CHEMPHYS CHEMICAL INDUSTRY CO., LTD, CN
[71] SINOLITHIUM MATERIALS LIMITED, CN
[85] 2023-10-12
[86] 2022-11-23 (PCT/CN2022/133726)
[87] (3215377)
[30] CN (202210935484.3) 2022-08-04

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[13] A1
[51] **Int.Cl. G06T 13/40 (2011.01) G06T 17/20 (2006.01) G06T 15/00 (2011.01)**
[25] EN
[54] **3D AVATAR GENERATION AND ROBOTIC LIMBS USING BIOMECHANICAL ANALYSIS**
[54] **GENERATION D'AVATAR 3D ET MEMBRES ROBOTIQUES FAISANT APPEL A UNE ANALYSE BIOMECANIQUE**
[72] KENNEWICK, SR., MICHAEL RYE, US
[72] MENAKER, SAMUEL, US
[72] KENNEWICK, RICH, US
[71] AI THINKTANK LLC, US
[85] 2023-11-23
[86] 2022-05-27 (PCT/US2022/031394)
[87] (WO2022/251671)
[30] US (63/193,697) 2021-05-27
[30] US (17/827,044) 2022-05-27

[21] **3,226,234**
[13] A1
[51] **Int.Cl. B23K 26/03 (2006.01) B23K 26/0622 (2014.01) B23K 26/082 (2014.01) B23K 26/362 (2014.01) B23K 26/06 (2014.01) B23K 26/08 (2014.01)**
[25] FR
[54] **METHOD AND APPARATUS FOR STRIPPING AN OXIDE LAYER FROM A METAL PRODUCT**
[54] **PROCEDE ET INSTALLATION DE DECAPAGE D'UNE COUCHE D'OXYDE D'UN PRODUIT METALLIQUE**
[72] GUILLOTTE, ISMAEL ROMARIC ALEXIS, FR
[72] LATOUCHE, BAPTISTE PIERRE JEAN, FR
[72] LOPES, MARCOS VINICIUS OLIVEIRA, FR
[71] APERAM, LU
[85] 2024-01-17
[86] 2021-07-28 (PCT/IB2021/056864)
[87] (WO2023/007221)

[21] **3,227,362**
[13] A1
[51] **Int.Cl. G01F 1/002 (2022.01) G01F 1/36 (2006.01) G01F 1/42 (2006.01) G01F 15/08 (2006.01) G01F 23/18 (2006.01)**
[25] FR
[54] **FLOWMETER FOR TWO-PHASE FLUID**
[54] **DEBITMETRE POUR FLUIDE DIPHASIQUE**
[72] PATHIER, DIDIER, FR
[72] REYMOND, CHRISTIAN, FR
[72] DALLAIS, ANTONY, FR
[72] ALATERRE, VINCENT, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2024-01-29
[86] 2022-07-07 (PCT/EP2022/068873)
[87] (WO2023/011836)
[30] FR (FR2108428) 2021-08-03

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[13] A1
[25] FR
[54] **ZYGOMATIC IMPLANT AND CORRESPONDING SURGICAL METHOD**
[54] **IMPLANT ZYGOMATIQUE ET METHODE CHIRURGICALE CORRESPONDANTE**
[72] MARRONE, CHRISTOPHE, FR
[72] BRIAT, MATHIEU, FR
[72] BEZIAT, JEAN-LUC, FR
[72] CHAPOTAT, BERNARD, FR
[72] SCHNECK, ERIC, FR
[71] GLOBAL D, FR
[71] BEZIAT, JEAN-LUC, FR
[71] CHAPOTAT, BERNARD, FR
[71] SCHNECK, ERIC, FR
[85] 2024-01-29
[86] 2022-08-29 (PCT/EP2022/073968)
[87] (WO2023/031127)
[30] FR (FR2109093) 2021-08-31

[21] **3,227,464**
[13] A1
[25] EN
[54] **MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL**
[72] LI, ANNING, CN
[72] LIU, JIANYONG, CN
[72] ZHU, WANCHENG, CN
[71] LIFETECH SCIENTIFIC (SHENZHEN) CO., LTD., CN
[85] 2024-01-26
[86] 2022-07-22 (PCT/CN2022/107345)
[87] (WO2023/001275)
[30] CN (202110839950.3) 2021-07-22
[30] CN (202110833154.9) 2021-07-22
[30] CN (202110833159.1) 2021-07-22

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[13] A1
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[25] EN
[54] **MOBILE DEVICE HOUSING WITH INTEGRATED ANTENNA CARRIER**
[54] **BOITIER DE DISPOSITIF MOBILE AVEC SUPPORT D'ANTENNE INTEGRE**
[72] THELEMANN, CARL A., US
[71] ZEBRA TECHNOLOGIES CORPORATION, US
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[54] **REAL-TIME ELECTRONIC CUSTOM ITEM DESIGN INTERFACE FOR MANUFACTURING**
[54] **INTERFACE DE CONCEPTION D'ARTICLE PERSONNALISE ELECTRONIQUE EN TEMPS REEL DESTINEE A LA FABRICATION**
[72] FORREST, JEFFREY, CA
[72] SHAH, DEVANSH, CA
[72] HARFORD, WILLIAM, CA
[72] MUNROE, JAMES, CA
[71] STACKLAB, CA
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[25] EN
[54] **MTOR-TARGETED MODIFICATION AND USES THEREOF**
[54] **MODIFICATION CIBLEE SUR MTOR ET SES UTILISATIONS**
[72] LEVESQUE, SEBASTIEN, CA
[72] DOYON, YANNICK, CA
[71] UNIVERSITE LAVAL, CA
[85] 2024-02-01
[86] 2022-08-05 (PCT/CA2022/051201)
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[54] **COSMETIC TOOL**
[54] **OUTIL COSMETIQUE**
[72] WANG, SHIGANG, CN
[71] WANG, SHIGANG, CN
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[86] 2022-08-26 (PCT/CN2022/115104)
[87] (WO2023/051122)
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[30] CN (202210454615.6) 2022-04-29
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[25] EN
[54] **LITHIUM SECONDARY BATTERY**
[54] **BATTERIE SECONDAIRE AU LITHIUM**
[72] PARK, BYUNG CHUN, KR
[72] JUNG, WANG MO, KR
[72] PARK, SIN YOUNG, KR
[72] HUR, HYUCK, KR
[72] KIM, DONG HWI, KR
[71] LG ENERGY SOLUTION, LTD., KR
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[54] **LIFT DEVICE**
[54] **DISPOSITIF ELEVATEUR**
[72] WANG, KAI, CN
[72] LIN, HAO, CN
[72] SONG, LEI, CN
[72] ZHANG, HONGDONG, CN
[72] ZHANG, DAIFENG, CN
[72] DONALDSON, JAMES A., US
[71] TEREX SOUTH DAKOTA, INC., US
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF KRAS MUTANT CANCER**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER MUTANT KRAS**
[72] HEYMACH, JOHN V., US
[72] ROBICHAUX, JACQULYNE P., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[86] 2022-07-29 (PCT/US2022/074317)
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[25] EN
[54] **REDUCING PERCEIVED EFFECTS OF NON-VOICE DATA IN DIGITAL SPEECH**
[54] **REDUCTION DES EFFETS PERCUS DE DONNEES NON VOCALES DANS LES SIGNAUX VOCAUX NUMERIQUES**
[72] HARDWICK, JOHN C., US
[71] DIGITAL VOICE SYSTEMS, INC., US
[85] 2024-01-29
[86] 2022-07-27 (PCT/US2022/074176)
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[25] EN
[54] **EFFICIENT LASERS FOR TISSUE DISRUPTION**
[54] **LASERS EFFICACES POUR LYSE TISSULAIRE**
[72] OVCHINNIKOV, MIKHAIL, US
[71] ALCON INC., CH
[85] 2024-02-01
[86] 2022-10-04 (PCT/IB2022/059472)
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[54] **HOOK AND LOOP FOR HEMOSTASIS CLIP RELEASE**
[54] **CROCHET ET BOUCLE POUR LA LIBERATION D'UN CLIP D'HEMOSTASE**
[72] SMITH, PAUL, US
[72] ADAMS, MATTHEW BRADLEY, US
[72] SHARMA, DEEPAK KUMAR, IN
[71] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
[71] BOSTON SCIENTIFIC SCIMED INC, US
[85] 2024-01-29
[86] 2022-11-23 (PCT/US2022/050944)
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[25] EN
[54] **POLYMER COMPOSITION BASED ON POLY(METH)ACRYLIMIDE FOR TRIBOLOGICAL APPLICATIONS**
[54] **COMPOSITION POLYMERE A BASE DE POLY(METH)ACRYLIMIDE POUR DES APPLICATIONS TRIBOLOGIQUES**
[72] VORHOLZ, JOHANNES, DE
[72] RICHTER, RALF, DE
[72] ELSASSER, HARTMUT, DE
[72] KRAFT, JORG, DE
[71] ROHM GMBH, DE
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[25] EN
[54] **METHODS FOR TREATING DIABETIC KIDNEY DISEASE AND GLOMERULAR DISEASE**
[54] **METHODES DE TRAITEMENT D'UNE NEPHROPATHIE DIABETIQUE ET D'UNE MALADIE GLOMERULAIRE**
[72] FIORINA, PAOLO, IT
[72] D'ADDIO, FRANCESCA, IT
[71] NEPHRIS SRL, IT
[85] 2024-01-26
[86] 2022-07-27 (PCT/EP2022/071139)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING SOLID TUMORS**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DE TUMEURS SOLIDES**
[72] TAMAI, TOSHIYUKI, JP
[72] NAGAO, SATOSHI, JP
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2024-01-26
[86] 2022-09-06 (PCT/JP2022/033458)
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[25] EN
[54] **TAU-TUBULIN KINASE (TTBK) INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS DE LA KINASE DE TAU ET DE LA TUBULINE (TTBK)**
[72] MARTINEZ, ANA, ES
[72] GIL, CARMEN, ES
[72] NOZAL, VANESA, ES
[72] PALOMO, VALLE, ES
[72] MARTIN-REQUERO, ANGELES, ES
[72] MARTINEZ-GONZALEZ, LORETO, ES
[72] PEREZ CUEVAS, EVA M., ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[85] 2024-02-01
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[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **CLIP AND CLIP INSTALLATION APPARATUS**
[54] **ATTACHE ET APPAREIL D'INSTALLATION D'ATTACHES**
[72] CHAPMAN, WESLEY RAYMOND, ZA
[72] CHAPMAN, GARETH WADE GADSBY, ZA
[72] COLLENDER, CAITLYNNE GAIL, ZA
[72] MINNE, MARC PETER, US
[71] EVA-LAST HONG KONG LIMITED, CN
[85] 2024-02-01
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[51] **Int.Cl. A01G 7/04 (2006.01) H01B 1/06 (2006.01) H05K 5/00 (2006.01)**
[25] EN
[54] **DEVICE FOR PROMOTING PLANT GROWTH**
[54] **DISPOSITIF DESTINE A FAVORISER LA CROISSANCE DE PLANTES**
[72] DANSIE, MARK, AU
[72] MABOLO, IAN, AU
[71] GROBUD PTY LTD, AU
[85] 2024-02-01
[86] 2022-08-11 (PCT/AU2022/050879)
[87] (WO2023/015351)
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[25] EN
[54] **SELF-CLOSING SAFETY GATE**
[54] **BARRIERE DE SECURITE A FERMETURE AUTOMATIQUE**
[72] LETVIN, PETER ALLEN, US
[72] SATROM, DANIEL THOMAS, US
[72] ROSE, CHAD JOSEPH, US
[71] PS INDUSTRIES INCORPORATED, US
[85] 2024-02-01
[86] 2022-08-05 (PCT/US2022/039549)
[87] (WO2023/014960)
[30] US (63/229,705) 2021-08-05
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[51] **Int.Cl. B25J 9/00 (2006.01) A61H 1/02 (2006.01) A61H 3/00 (2006.01)**
[25] EN
[54] **AN EXOSKELETON FOR HANDLING OBJECTS AND METHOD OF USING THE SAME**
[54] **EXOSQUELETTE DESTINE A MANIPULER DES OBJETS ET SON PROCEDE D'UTILISATION**
[72] BUJOLD, ALAIN, CA
[72] BUDICO, VICTORIA, CA
[72] TELONIO, ALESSANDRO, CA
[72] MORISSETTE, JEAN-FRANCOIS, CA
[72] FERRON, DOMINIC, CA
[72] PAQUET, REMI, CA
[72] CAMIRAND, EMILE BRUNELLE, CA
[72] CYR, RENAUD, CA
[72] MANN, CHRISTOPHER, CA
[72] JIMENEZ GARCIA, DAVID, CA
[71] MAWASHI SCIENCE & TECHNOLOGIE INC., CA
[85] 2024-02-01
[86] 2022-02-25 (PCT/CA2022/050275)
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[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **CELL CULTURE MEDIUM FOR NATURAL KILLER (NK) CELLS**
[54] **MILIEU DE CULTURE CELLULAIRE POUR CELLULES TUEUSES NATURELLES (NK)**
[72] OHRI, RACHIT, US
[72] SONNTAG, DONNA, US
[72] CAHOON, JASON, US
[72] LAMBERT, GRAEME, US
[71] ANYADI, LLC, US
[85] 2024-02-01
[86] 2022-08-04 (PCT/US2022/039376)
[87] (WO2023/014855)
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[51] **Int.Cl. B29B 17/00 (2006.01) B01D 11/02 (2006.01) B01D 61/14 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTING CONTAMINANTS FROM WASTE POLYMERS**
[54] **PROCEDE ET SYSTEME D'EXTRACTION DE CONTAMINANTS A PARTIR DE DECHETS DE POLYMERES**
[72] DOUCET, JOCELYN, CA
[72] LAVIOLETTE, JEAN-PHILIPPE, CA
[72] ESLAMI, ALI, CA
[71] PYROWAVE INC., CA
[85] 2024-02-01
[86] 2022-08-03 (PCT/IB2022/057214)
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[51] **Int.Cl. A61K 36/752 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **PLANT EXTRACT-BASED COMPOSITION AND ITS USE FOR TREATING GLUCOSE METABOLISM DISORDERS**
[54] **COMPOSITION A BASE D'EXTRAIT VEGETAL ET SON UTILISATION POUR LE TRAITEMENT DE TROUBLES DU METABOLISME DU GLUCOSE**
[72] RICCIONI, COSTANZA VALENTINA, IT
[72] SQUILLACE GRECO, AMEDEO, IT
[71] ESSERRE PHARMA SRL, IT
[85] 2024-02-01
[86] 2022-08-04 (PCT/EP2022/071975)
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[51] **Int.Cl. A23N 12/10 (2006.01) A23F 5/04 (2006.01) A23N 12/12 (2006.01)**
[25] EN
[54] **COFFEE ROASTING SYSTEM WITH ROASTING AND COOLING SUBSYSTEMS, AND METHODS FOR THE SAME**
[54] **SYSTEME DE TORREFACTION DE CAFE AVEC SOUS-SYSTEMES DE TORREFACTION ET DE REFROIDISSEMENT, ET PROCEDES ASSOCIES**
[72] SCHMEHL, STEWART, US
[72] SANDHU, JOHN, US
[72] KAPPESSER, RONALD, US
[72] SCHMEHL, PETER, US
[71] BELLWETHER COFFEE CO., US
[85] 2024-02-01
[86] 2022-08-02 (PCT/US2022/039144)
[87] (WO2023/014698)
[30] US (17/391,579) 2021-08-02
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[13] A1
[51] **Int.Cl. G01V 3/10 (2006.01) G01V 3/17 (2006.01)**
[25] FR
[54] **ELECTROMAGNETIC SYSTEM FOR GEOPHYSICAL PROSPECTING**
[54] **SYSTEME ELECTROMAGNETIQUE DE PROSPECTION GEOPHYSIQUE**
[72] RENINGER, PIERRE-ALEXANDRE, FR
[71] BRGM, FR
[85] 2024-02-01
[86] 2022-06-30 (PCT/EP2022/068200)
[87] (WO2023/011815)
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[13] A1
[51] **Int.Cl. E21B 7/02 (2006.01)**
[25] EN
[54] **HYDRAULIC SYSTEM WITH SAFETY MODE, ROCK DRILLING RIG AND METHOD**
[54] **SYSTEME HYDRAULIQUE A MODE DE SECURITE, APPAREIL DE FORAGE DE ROCHE ET PROCEDE**
[72] RANTANEN, JUHO, FI
[72] PARKKINEN, PERTTI, FI
[72] VERHO, SAMULI, FI
[72] VATANEN, HARRI, FI
[72] HONGELL, TEEMU, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
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[86] 2022-09-20 (PCT/EP2022/076002)
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[30] EP (21198713.6) 2021-09-24

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[51] **Int.Cl. A61K 31/485 (2006.01) A61K 47/26 (2006.01) A61P 25/36 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF OPIOID OVERDOSE**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'UNE SURDOSE D'OPIOIDES**
[72] SKOLNICK, PHIL, US
[72] CRYSTAL, ROGER, US
[72] ELLISON, MARK, US
[71] INDIVIOR INC., US
[85] 2024-02-01
[86] 2022-08-04 (PCT/US2022/039463)
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[51] **Int.Cl. H04W 74/08 (2024.01) H04W 16/14 (2009.01)**
[25] EN
[54] **USE OF ALLOCATED WIRELESS CHANNELS IN A WIRELESS NETWORK**
[54] **UTILISATION DE CANAUX SANS FIL ALLOUES DANS UN RESEAU SANS FIL**
[72] HAFEEZ, ABDULRAUF, US
[72] MUKHERJEE, AMITAV, US
[72] HEDAYAT, AHMAD REZA, US
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2024-02-01
[86] 2022-09-27 (PCT/US2022/044907)
[87] (WO2023/055738)
[30] US (17/488,423) 2021-09-29

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[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **VIMENTIN TARGETED PEPTOIDS FOR EARLY DIAGNOSIS AND TREATMENT OF CANCER**
[54] **PEPTOIDES CIBLES SUR LA VIMENTINE POUR LE DIAGNOSTIC PRECOCE ET LE TRAITEMENT DU CANCER**
[72] UDUGAMASOORIYA, DAMITH GOMIKA, US
[72] SHUKLA, SATYA PRAKASH, US
[72] ZHANG, HAOWEN, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2024-02-01
[86] 2022-08-01 (PCT/US2022/039079)
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[51] **Int.Cl. G05B 15/02 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING CONTROL PERFORMANCE OF A BUILDING AUTOMATION DEVICE**
[54] **SYSTEME ET PROCEDE DESTINES A PRENDRE EN CHARGE LA PERFORMANCE DE CONTROLE D?UN DISPOSITIF IMMOTIQUE**
[72] SOO, RYAN, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2024-02-01
[86] 2022-07-19 (PCT/US2022/037526)
[87] (WO2023/018524)
[30] US (17/400,990) 2021-08-12
[30] US (17/497,047) 2021-10-08

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[51] **Int.Cl. F02C 7/22 (2006.01) F02C 9/46 (2006.01) F15B 18/00 (2006.01)**
[25] EN
[54] **SERVO-CONTROLLED METERING VALVE AND FLUID INJECTION SYSTEM**
[54] **SOUPAPE DE DOSAGE A COMMANDE ASSERVIE ET SYSTEME D'INJECTION DE FLUIDE**
[72] LAUMEN, HERMANN JOSEF, DE
[72] DOUCH, MOHAMED, NL
[72] ROSINSKI, STANLEY TIMOTHY, US
[72] CARSON, BILL GENE, US
[71] ELECTRIC POWER RESEARCH INSTITUTE, INC., US
[85] 2024-02-01
[86] 2022-08-09 (PCT/US2022/039844)
[87] (WO2023/018724)
[30] US (63/231,588) 2021-08-10

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[51] **Int.Cl. F16L 27/02 (2006.01) F16L 27/11 (2006.01) F16L 51/02 (2006.01)**
[25] EN
[54] **CONVEYING PIPE ARRANGEMENT OF A PNEUMATIC MATERIAL CONVEYING SYSTEM, METHOD FOR FORMING A CONVEYING PIPE ARRANGEMENT AND CONNECTION PIECE**
[54] **AGENCEMENT DE TUYAU DE TRANSPORT D'UN SYSTEME PNEUMATIQUE DE TRANSPORT DE MATERIAU, PROCEDE DE FORMATION D'UN AGENCEMENT DE TUYAU DE TRANSPORT ET PIECE DE RACCORDEMENT**
[72] SUNDHOLM, GORAN, FI
[71] MARICAP OY, FI
[85] 2024-02-01
[86] 2022-08-11 (PCT/FI2022/050521)
[87] (WO2023/021236)
[30] FI (20215858) 2021-08-16

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[51] **Int.Cl. A61K 38/16 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01)**
[25] EN
[54] **PROTEIN COMPOSITIONS FOR THE TREATMENT OF INFLAMMATORY DISEASES**
[54] **COMPOSITIONS DE PROTEINES POUR LE TRAITEMENT DE MALADIES INFLAMMATOIRES**
[72] SATHE, DHANANJAY, IN
[72] MISHRA, VIVEK, IN
[72] JOG, SUNIL, IN
[72] BAKSHI, GAUTAM, IN
[71] UNICHEM LABORATORIES LIMITED, IN
[85] 2024-02-01
[86] 2022-08-27 (PCT/IB2022/058039)
[87] (WO2023/031751)
[30] IN (202121039213) 2021-08-30

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01)**
[25] EN
[54] **CYTOTOXICITY TARGETING CHIMERAS**
[54] **CHIMERES CIBLANT LA CYTOTOXICITE**
[72] CHEN, PEILING, US
[72] DARCY, MICHAEL GERARD, US
[72] DODSON, JASON W., US
[72] KNAPP-REED, BETH A., US
[72] LEACH, CRAIG, US
[72] LI, YUEHU, US
[72] MARCUS, ANDREW PETER, US
[72] MARINO, JR. JOSEPH PAUL, US
[72] OPLINGER, JEFFREY ALAN, US
[72] PHELAN, JAMES P., US
[72] SENDER, MATTHEW ROBERT, US
[72] TURUNEN, BRANDON, US
[72] YE, GUOSEN, US
[72] ZHANG, CUNYU, US
[72] JEONG, JAE U., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2024-02-01
[86] 2022-08-12 (PCT/IB2022/057562)
[87] (WO2023/017484)
[30] US (63/233,144) 2021-08-13

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **COMBINATION RADIOTHERAPY**
[54] **RADIOTHERAPIE COMBINEE**
[72] WHEATCROFT, MICHAEL PAUL, AU
[72] YAN, EDWIN BINGBING, AU
[72] SCOTT, ANDREW MARK, AU
[72] JOHNSTONE, CAMERON, AU
[72] ZIMMERMANN, ASTRID, DE
[72] ZENKE, FRANK, DE
[71] TELIX PHARMACEUTICALS (INNOVATIONS) PTY LTD, AU
[71] MERCK PATENT GMBH, DE
[85] 2024-02-01
[86] 2022-08-17 (PCT/AU2022/050911)
[87] (WO2023/019308)
[30] AU (2021902557) 2021-08-17
[30] AU (2021902582) 2021-08-18

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[13] A1
[51] **Int.Cl. C25B 11/054 (2021.01) C25B 3/07 (2021.01) C25B 3/23 (2021.01) C25B 11/061 (2021.01) C25B 11/077 (2021.01) C07C 51/285 (2006.01)**
[25] EN
[54] **MULTI-METAL ELECTROCATALYTIC SYSTEM FOR METHANE OXIDATION**
[54] **SYSTEME ELECTROCATALYTIQUE A METAUX MULTIPLES POUR OXYDATION DE METHANE**
[72] KIBRIA, MD GOLAM, CA
[72] AL-ATTAS, TAREQ ALI, CA
[72] KHAN, MOHD ADNAN, CA
[72] YASRI, NAEL, CA
[71] UTI LIMITED PARTNERSHIP, CA
[85] 2024-02-01
[86] 2022-08-03 (PCT/CA2022/051184)
[87] (WO2023/010214)
[30] US (63/229,188) 2021-08-04

[21] **3,227,838**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **METHOD**
[54] **PROCEDE**
[72] ROBERTS, THOMAS CHARLES, GB
[72] WOOD, MATTHEW, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2024-02-01
[86] 2022-08-04 (PCT/GB2022/052052)
[87] (WO2023/012481)
[30] GB (2111250.3) 2021-08-04

[21] **3,227,839**
[13] A1
[51] **Int.Cl. C10M 105/36 (2006.01) C10M 111/04 (2006.01)**
[25] EN
[54] **USE OF HEMIMELLITIC ACID ESTER AS A BASE OIL FOR LUBRICANT COMPOSITIONS**
[54] **UTILISATION D'ESTERS D'ACIDE HEMIMELLITIQUE EN TANT QU'HUILE DE BASE POUR DES COMPOSITIONS LUBRIFIANTES**
[72] SEEMEYER, STEFAN, DE
[72] KILTHAU, THOMAS, DE
[72] MA, LING, DE
[72] PANAGIOTIDOU, NATALIYA, DE
[71] KLUEBER LUBRICATION MUENCHEN SE & CO. KG, DE
[85] 2024-02-02
[86] 2022-08-04 (PCT/EP2022/071929)
[87] (WO2023/016908)
[30] DE (10 2021 121 037.2) 2021-08-12

[21] **3,227,840**
[13] A1
[51] **Int.Cl. H01M 4/13 (2010.01) H01M 4/139 (2010.01) H01M 10/052 (2010.01) H01G 11/86 (2013.01) H01M 4/02 (2006.01) H01M 4/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **ELECTRODE FOR ELECTROCHEMICAL DEVICE COMPRISING DRY ELECTRODE FILM AND METHOD FOR MANUFACTURING SAME**
[54] **ELECTRODE POUR DISPOSITIF ELECTROCHIMIQUE COMPRENANT UN FILM D'ELECTRODE SECHE ET SON PROCEDE DE FABRICATION**
[72] KANG, SEONG-WOOK, KR
[72] HAN, JAE-SUNG, KR
[72] SHIN, DONG-MOK, KR
[72] SHIN, DONG-OH, KR
[72] YOON, KYUNG-HWAN, KR
[72] YOO, KWANG-HO, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-01-26
[86] 2022-08-04 (PCT/KR2022/011591)
[87] (WO2023/014127)
[30] KR (10-2021-0104169) 2021-08-06

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[13] A1
[51] **Int.Cl. F41B 4/00 (2006.01) F41A 9/38 (2006.01) F41A 9/68 (2006.01)**
[25] EN
[54] **TOY PROJECTILE LAUNCHER AND METHOD OF USING SAME**
[54] **LANCEUR DE FLUIDE SOUS FORME DE JOUET ET SON PROCEDE D'UTILISATION**
[72] CHIA, FRANCIS SEE CHONG, CN
[71] EASEBON SERVICES LIMITED, CN
[71] CHIA, FRANCIS SEE CHONG, CN
[85] 2024-01-26
[86] 2022-08-02 (PCT/SG2022/050548)
[87] (WO2023/014295)
[30] US (63/229,162) 2021-08-04

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01)**
[25] EN
[54] **DRY POWDER MEDICAMENT INHALER**
[54] **INHALATEUR DE MEDICAMENT EN POUDRE SECHE**
[72] CROWLEY, PETER JOHN, IE
[72] HAZENBERG, JAN GEERT, IE
[72] BUCK, DANIEL, IE
[72] GOTTESMAN, JOSH, GB
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2024-01-29
[86] 2022-06-22 (PCT/EP2022/067066)
[87] (WO2023/016689)
[30] GB (2111658.7) 2021-08-13

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[13] A1
[51] **Int.Cl. G01D 21/02 (2006.01) G01W 1/02 (2006.01) G05B 23/02 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM FOR MONITORING CONDITIONS AT A LOCATION**
[54] **SYSTEME DE SURVEILLANCE DE CONDITIONS D'UN LIEU**
[72] COBB, JOSEPH C., US
[71] RAM COMPANIES, LLC, US
[85] 2024-01-29
[86] 2022-01-31 (PCT/US2022/014498)
[87] (WO2022/165303)
[30] US (63/144,083) 2021-02-01

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/706 (2006.01) A61P 35/00 (2006.01) A61K 47/54 (2017.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODIES AND ANTIBODY CONJUGATES SPECIFIC FOR NECTIN-4 AND METHODS OF USE THEREOF**
[54] **ANTICORPS ET CONJUGUES D'ANTICORPS SPECIFIQUES DE LA NECTINE-4 ET LEURS METHODES D'UTILISATION**
[72] YEO, DOMINICK, US
[72] BAUZON, MAXINE, US
[72] ZHANG, FANGJIU, US
[72] CHUPRAKOV, STEPAN, US
[72] KIM, YUN C., US
[72] BARFIELD, ROBYN M., US
[72] DRAKE, PENELOPE M., US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2024-01-29
[86] 2022-07-28 (PCT/US2022/038720)
[87] (WO2023/009751)
[30] US (63/227,666) 2021-07-30
[30] US (63/322,914) 2022-03-23
[30] US (63/344,932) 2022-05-23

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[13] A1
[51] **Int.Cl. C07D 487/14 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATES AND METHODS OF USE THEREOF**
[54] **CONJUGUES ANTICOPRS-MEDICAMENT ET LEURS METHODES D'UTILISATION**
[72] DRAKE, PENELOPE M., US
[72] CHUPRAKOV, STEPAN, US
[72] OGUNKOYA, AYODELE O., US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2024-01-29
[86] 2022-07-28 (PCT/US2022/038730)
[87] (WO2023/009759)
[30] US (63/227,666) 2021-07-30
[30] US (63/322,914) 2022-03-23
[30] US (63/344,932) 2022-05-23

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 38/51 (2006.01) A61P 31/04 (2006.01) C12N 9/88 (2006.01)**
[25] EN
[54] **BACTERIOPHAGES WITH IMPROVED ANTIMICROBIAL ACTIVITY**
[54] **BACTERIOPHAGES PRESENTANT UNE ACTIVITE ANTIMICROBIENNE AMELIOREE**
[72] LEMIRE, SEBASTIEN, US
[72] SORIAGA, ANGELA B., US
[72] NGUYEN, KATRINA TRAM ANH, US
[71] ARMATA PHARMACEUTICALS, INC., US
[85] 2024-01-29
[86] 2022-08-02 (PCT/US2022/074446)
[87] (WO2023/015195)
[30] US (63/228,504) 2021-08-02

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[13] A1
[51] **Int.Cl. A01G 9/029 (2018.01) B65D 21/04 (2006.01) A01G 9/02 (2018.01)**
[25] EN
[54] **HORTICULTURE TRAY**
[54] **PLATEAU D'HORTICULTURE**
[72] JOHANSSON, STEFAN, US
[71] BLACKMORE COMPANY, INC., US
[85] 2024-01-29
[86] 2022-07-29 (PCT/US2022/038848)
[87] (WO2023/009805)
[30] US (63/227,177) 2021-07-29

[21] **3,227,848**
[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) G16Y 30/10 (2020.01) G12B 17/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE DATA MESSAGING**
[54] **SYSTEME ET PROCEDE POUR UNE MESSAGERIE DE DONNEES SECURISEE**
[72] SOTOMAYOR, JOEL ROBERTO, CA
[72] SLOOT, JOHN CORRIE, CA
[72] TIAN, MENG, CA
[71] MPOWERED TECHNOLOGY SOLUTIONS INC., CA
[85] 2024-01-30
[86] 2022-07-29 (PCT/CA2022/051171)
[87] (WO2023/004517)
[30] US (63/227,627) 2021-07-30
[30] US (63/327,138) 2022-04-04

[21] **3,227,849**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **FIBER OPTIC CLOSURE AND ORGANIZER ASSEMBLY**
[54] **FERMETURE DE FIBRE OPTIQUE ET ENSEMBLE DISPOSITIF DE RANGEMENT**
[72] WITTMEIER, DAVID, US
[72] MILLER, WILL, US
[72] EBRAHIMI, VAHID, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2024-01-29
[86] 2022-07-29 (PCT/US2022/038896)
[87] (WO2023/009827)
[30] US (63/227,031) 2021-07-29

[21] **3,227,850**
[13] A1
[51] **Int.Cl. A61G 3/06 (2006.01) B66F 9/02 (2006.01)**
[25] EN
[54] **WHEELCHAIR LIFT DEVICE AND METHODS OF MAKING AND USING SAME**
[54] **ELEVATEUR POUR FAUTEUIL ROULANT ET SES PROCEDES DE FABRICATION ET D'UTILISATION**
[72] VALENTINE, ZAKARY, US
[72] VAN METER, ETHAN, US
[72] CARROLL, DILLON DAKOTA, US
[71] LEVATE LLC, US
[85] 2024-01-29
[86] 2022-08-01 (PCT/US2022/039067)
[87] (WO2023/014662)
[30] US (17/394,072) 2021-08-04

[21] **3,227,851**
[13] A1
[51] **Int.Cl. B65B 35/50 (2006.01) B65B 27/10 (2006.01)**
[25] EN
[54] **DEVICE AND CONVEYANCE SYSTEM FOR PACKAGING ELONGATED ITEMS**
[54] **DISPOSITIF ET SYSTEME DE TRANSPORT POUR EMBALLER DES ARTICLES ALLONGES**
[72] KAPICKI, MELVIN DOUGLAS, CA
[71] AND Y KNOT INNOVATION AND SALES INC., CA
[85] 2024-01-30
[86] 2022-08-09 (PCT/CA2022/051215)
[87] (WO2023/015385)
[30] US (63/231,787) 2021-08-11

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/61 (2017.01) A61K 31/713 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **TRANSTHYRETIN (TTR) IRNA COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ARNI DE LA TRANSTHYRETINE (TTR) ET LEURS PROCEDES D'UTILISATION**
[72] SCHLEGEL, MARK K., US
[72] CASTORENO, ADAM, US
[72] MCININCH, JAMES D., US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2024-01-29
[86] 2022-08-02 (PCT/US2022/039111)
[87] (WO2023/014677)
[30] US (63/228,830) 2021-08-03

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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) G16H 20/17 (2018.01) G16H 40/60 (2018.01) A61J 3/00 (2006.01) B65B 3/00 (2006.01)**
[25] EN
[54] **CLOSED SYSTEM TRANSFER DEVICE AND VIAL ASSEMBLY MACHINE**
[54] **DISPOSITIF DE TRANSFERT EN SYSTEME FERME ET MACHINE D'ASSEMBLAGE DE FLACONS**
[72] BEARD, NICHOLAS, US
[72] JAZAYERI, JULIAN, US
[72] SELPA, DAVID, US
[72] SELVE, RYAN DAVID, US
[71] AMGEN INC., US
[85] 2024-01-29
[86] 2022-09-27 (PCT/US2022/044794)
[87] (WO2023/055699)
[30] US (63/249,337) 2021-09-28

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL ANTI-SIRPA ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-SIRPA**
[72] LU, HONGTAO, CN
[72] NIU, XIAOFENG, CN
[72] WANG, FENGLI, CN
[72] WANG, CHUNNIAN, CN
[72] ZHAO, JINFENG, CN
[72] XING, ROUMEI, CN
[72] WANG, HAIYING, CN
[72] YU, JINGFENG, CN
[72] LI, LEI, CN
[72] WU, ZHIHAO, CN
[72] GAO, RUI, CN
[72] QIU, YANGSHENG, CN
[71] ELPISCIENCE (SUZHOU) BIOPHARMA, LTD., CN
[71] ELPISCIENCE BIOPHARMA, LTD., CN
[85] 2024-01-29
[86] 2022-07-28 (PCT/US2022/074286)
[87] (WO2023/010100)
[30] CN (PCT/CN2021/109041) 2021-07-28
[30] CN (PCT/CN2022/104562) 2022-07-08

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[13] A1
[51] **Int.Cl. F16K 31/122 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **GLOBE VALVE HAVING STROKE DRIVE**
[54] **ROBINET A SOUPAPE COMPRENANT UN ENTRAINEMENT DE COURSE**
[72] BURMESTER, JENS, DE
[71] GEA TUCHENHAGEN GMBH, DE
[85] 2024-01-30
[86] 2022-08-11 (PCT/EP2022/072503)
[87] (WO2023/017106)
[30] DE (10 2021 004 172.0) 2021-08-13

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 16/12 (2006.01)**
[25] EN
[54] **DRY POWDER MEDICAMENT INHALER**
[54] **INHALATEUR DE MEDICAMENT EN POUDRE SECHE**
[72] CROWLEY, PETER JOHN, IE
[72] HAZENBERG, JAN GEERT, IE
[72] BUCK, DANIEL, IE
[72] GOTTESMAN, JOSH, GB
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2024-01-30
[86] 2022-09-28 (PCT/EP2022/077064)
[87] (WO2023/052476)
[30] GB (2113921.7) 2021-09-29
[30] GB (2200986.4) 2022-01-26

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[13] A1
[51] **Int.Cl. H04L 41/0677 (2022.01)**
[25] EN
[54] **METHOD FOR SIGNALING LINK OR NODE FAILURE IN A DIRECT INTERCONNECT NETWORK**
[54] **PROCEDE DE SIGNALISATION D'UNE DEFAILLANCE DE LIAISON OU DE N?UD DANS UN RESEAU D'INTERCONNEXION DIRECTE**
[72] OPREA, DAN, CA
[71] ROCKPORT NETWORKS INC., CA
[85] 2024-02-02
[86] 2022-08-05 (PCT/IB2022/000452)
[87] (WO2023/012518)
[30] US (63/229,567) 2021-08-05

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 16/12 (2006.01)**
[25] EN
[54] **DRY POWDER MEDICAMENT INHALER**
[54] **INHALATEUR DE MEDICAMENT EN POUDRE SECHE**
[72] CROWLEY, PETER JOHN, IE
[72] HAZENBERG, JAN GEERT, IE
[72] BUCK, DANIEL, IE
[72] GOTTESMAN, JOSH, GB
[71] NORTON (WATERFORD) LIMITED, IE
[85] 2024-01-30
[86] 2022-09-28 (PCT/EP2022/077065)
[87] (WO2023/052477)
[30] GB (2113921.7) 2021-09-29
[30] GB (2200986.4) 2022-01-26

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[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61F 5/451 (2006.01)**
[25] EN
[54] **URINE AND BODY LIQUID SAMPLE COLLECTION METHOD AND DEVICE FOR DIAGNOSTIC PURPOSES**
[54] **SYSTEME DE COLLECTE D'ECHANTILLON D'URINE ET DE LIQUIDES CORPORELS A DES FINS DE DIAGNOSTIC**
[72] SCHILTHUIZEN, STEPHANUS, NL
[72] GOIJARTS, GREGORIUS, NL
[71] CAPTURIN HOLDING BV, NL
[71] SCINT B.V., NL
[85] 2024-01-29
[86] 2022-07-29 (PCT/EP2022/071440)
[87] (WO2023/012072)
[30] NL (1044111) 2021-08-05

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[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **EXTENDABLE AND RETRACTABLE MECHANISM FOR CONNECTING PLUG, AND CHILD SAFETY SEAT**
[54] **MECANISME EXTENSIBLE ET RETRACTABLE POUR BOUCHON DE LIAISON, ET SIEGE DE SECURITE POUR ENFANT**
[72] ZHANG, DALIANG, CH
[72] MO, XIAOLONG, CH
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2024-01-29
[86] 2022-08-05 (PCT/EP2022/072128)
[87] (WO2023/012346)
[30] CN (202110897085.8) 2021-08-05

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[13] A1
[51] **Int.Cl. C05B 7/00 (2006.01) C05G 3/90 (2020.01) C05G 5/35 (2020.01) C05C 9/00 (2006.01) C05D 3/00 (2006.01) C05D 5/00 (2006.01) C05D 9/02 (2006.01)**
[25] EN
[54] **UREA-BASED COMPOSITION COATED WITH AN INORGANIC ACID**
[54] **COMPOSITION A BASE D'UREE REVETUE D'UN ACIDE INORGANIQUE**
[72] VAN DE WALLE, TOM, BE
[71] YARA INTERNATIONAL ASA, NO
[85] 2024-01-29
[86] 2022-09-09 (PCT/EP2022/075054)
[87] (WO2023/036905)
[30] EP (21195792.3) 2021-09-09

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[13] A1
[51] **Int.Cl. C09K 17/22 (2006.01) A01N 25/04 (2006.01) C08J 3/09 (2006.01) C08K 5/00 (2006.01) C08L 33/02 (2006.01) C08L 33/26 (2006.01) C08L 51/00 (2006.01) C08L 51/02 (2006.01) C08L 71/02 (2006.01) C09K 17/32 (2006.01)**
[25] EN
[54] **A COMPOSITE SYSTEM FOR AGRICULTURE**
[54] **SYSTEME COMPOSITE POUR L'AGRICULTURE**
[72] SHIRSAT, RAJAN RAMAKANT, IN
[72] SHARMA, SHIV KUMAR, IN
[72] WAGH, PRADIP DATTATRAY, IN
[71] UPL LIMITED, IN
[85] 2024-01-29
[86] 2022-07-29 (PCT/IB2022/057053)
[87] (WO2023/007449)
[30] IN (202121034512) 2021-07-30

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHOD FOR THE DIAGNOSIS AND/OR PROGNOSIS OF CANCER OF THE BILIARY TRACT**
[54] **PROCEDE DE DIAGNOSTIC ET/OU DE PRONOSTIC DU CANCER DES VOIES BILIAIRES**
[72] ZAVATTARI, PATRIZIA, IT
[72] SCARTOZZI, MARIO, IT
[72] LOI, ELEONORA, IT
[72] ZAVATTARI, CESARE, IT
[72] TOMMASI, ALESSANDRO, IT
[72] ALONSO, SERGIO, IT
[72] CASADEI GARDINI, ANDREA, IT
[72] AVILA, MATIAS A., IT
[71] UNIVERSITA DEGLI STUDI DI CAGLIARI, IT
[85] 2024-01-29
[86] 2022-08-03 (PCT/IB2022/057191)
[87] (WO2023/012683)
[30] IT (102021000021455) 2021-08-06

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[54] **AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS**
[54] **SYSTEME D'ECHANTILLONNAGE AGRICOLE ET PROCEDES ASSOCIES**
[72] O'NEALL, MATTHEW, US
[72] SWANSON, TODD, US
[72] KOCH, DALE, US
[71] PRECISION PLANTING LLC, US
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[86] 2022-08-22 (PCT/IB2022/057844)
[87] (WO2023/031725)
[30] US (63/260,772) 2021-08-31
[30] US (63/260,776) 2021-08-31
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[25] EN
[54] **SEQUENCES AND PROMOTERS FOR USE IN PLANT CELLS AND METHODS OF MAKING AND USING SUCH SEQUENCES**
[54] **SEQUENCES ET PROMOTEURS DESTINES A ETRE UTILISES DANS DES CELLULES VEGETALES ET PROCEDES DE FABRICATION ET D'UTILISATION DE CES SEQUENCES**
[72] AVISAR, DROR, IL
[72] AZULAY, SHELLY, IL
[71] FUTURAGENE ISRAEL LTD., IL
[85] 2024-01-29
[86] 2022-08-23 (PCT/IB2022/057897)
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[25] EN
[54] **NONWOVEN SUBSTRATE, FIBROUS MATERIAL FOR LIQUID CLARIFICATION, PRODUCTION METHOD FOR SAID MATERIAL, AND CLEANER EQUIPPED WITH SAID MATERIAL**
[54] **SUBSTRAT NON TISSE, MATERIAU FIBREUX POUR LA CLARIFICATION DE LIQUIDE, PROCEDE DE PRODUCTION DUDIT MATERIAU, ET DISPOSITIF DE NETTOYAGE EQUIPE DUDIT MATERIAU**
[72] TERAMOTO, YUZO, JP
[72] AKASU, HIROYUKI, JP
[72] KOBAYASHI, HISATOSHI, JP
[71] JAPAN HEMOTECH CO., LTD., JP
[85] 2024-01-29
[86] 2022-07-27 (PCT/JP2022/028976)
[87] (WO2023/008490)
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[25] EN
[54] **METAL-DOPED COVALENT ORGANIC FRAMEWORKS**
[54] **STRUCTURES ORGANIQUES COVALENTES DOPEES PAR UN METAL**
[72] ZHAO, DAN, SG
[72] KANG, CHENGJUN, SG
[72] WANG, YUXIANG, SG
[72] ZHANG, ZHAOQIANG, SG
[72] BAUGH, LISA S., US
[72] CORCORAN JR., EDWARD W., US
[72] CALABRO, DAVID C., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2024-02-02
[86] 2022-06-03 (PCT/US2022/032225)
[87] (WO2023/014433)
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[25] EN
[54] **METHOD FOR PRODUCING HIGHLY PROLIFERATIVE CELL, AND HIGHLY PROLIFERATIVE CELL AND USE THEREOF**
[54] **CELLULES HAUTEMENT PROLIFERANTES, ET PROCEDE DE FABRICATION AINSI QU'APPLICATION ASSOCIES**
[72] OCHIYA, TAKAHIRO, JP
[72] SHINODA, TATSUYA, JP
[72] TAKIZAWA, KAZUYA, JP
[71] TOKYO MEDICAL UNIVERSITY, JP
[85] 2024-01-29
[86] 2022-07-29 (PCT/JP2022/029317)
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[25] EN
[54] **EGG BELT TENSIONING APPARATUS**
[54] **APPAREIL TENDEUR DE BANDE D'OEUF**
[72] TERRASSAN, LUCA, IT
[71] TECNO POULTRY EQUIPMENT S.P.A, IT
[85] 2024-01-30
[86] 2022-07-20 (PCT/IB2022/056690)
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[30] GB (2112107.4) 2021-08-24

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[25] FR
[54] **ADSORBER AND METHOD FOR MANUFACTURING AN ADSORBER**
[54] **ADSORBEUR ET PROCEDE DE FABRICATION D'UN ADSORBEUR**
[72] SOUDANI, ALLAOUA, FR
[72] BENELMIR, RIAD, FR
[71] UNIVERSITE DE LORRAINE, FR
[85] 2024-02-02
[86] 2022-08-01 (PCT/EP2022/071550)
[87] (WO2023/012102)
[30] FR (FR2108422) 2021-08-03

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[51] **Int.Cl. E21B 10/43 (2006.01) E21B 10/55 (2006.01) E21B 10/567 (2006.01)**
[25] EN
[54] **FIXED CUTTER DRILL BITS AND CUTTER ELEMENT ARRANGEMENTS FOR SAME**
[54] **TREPANS DE COUPE FIXES ET AGENCEMENTS D'ELEMENTS DE COUPE POUR CES DERNIERS**
[72] RIVERA, JR. RICHARD, US
[72] TIPPLES, ROBERT PETER DOUGLAS, GB
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2024-02-02
[86] 2022-07-28 (PCT/US2022/074232)
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[51] **Int.Cl. C12Q 1/68 (2018.01) C40B 20/02 (2006.01) C40B 20/04 (2006.01) C40B 70/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **CHARACTERIZATION AND LOCALIZATION OF PROTEIN MODIFICATIONS**
[54] **CARACTERISATION ET LOCALISATION DE MODIFICATIONS DE PROTEINES**
[72] JOLY, JAMES HENRY, US
[72] RINKER, TORRI ELISE, US
[72] INMAN, CHRISTINA E., US
[71] NAUTILUS SUBSIDIARY, INC., US
[85] 2024-02-02
[86] 2022-09-02 (PCT/US2022/042499)
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[30] US (63/242,433) 2021-09-09

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[13] A1
[51] **Int.Cl. E21B 34/08 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **VALVE, METHOD AND SYSTEM**
[54] **SOUPAPE, PROCEDE ET SYSTEME**
[72] BROWN, DONAVAN, US
[72] BISSET, STEPHEN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-02-02
[86] 2022-08-03 (PCT/US2022/074473)
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[30] US (17/392,770) 2021-08-03

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[51] **Int.Cl. C07K 16/00 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **IMPROVED EXPRESSION VECTORS AND USES THEREOF**
[54] **VECTEURS D'EXPRESSION AMELIORES ET LEURS UTILISATIONS**
[72] BANDARA, KALPANIE RUWANMALI, US
[72] BEAL, KATHRYN MARY, US
[72] SCARCELLI, JOHN JOSEPH, US
[72] ZHANG, LIN, US
[71] PFIZER INC., US
[85] 2024-01-30
[86] 2022-07-29 (PCT/IB2022/057073)
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[25] FR
[54] **PIEZOELECTRIC ELEMENT FOR NEBULISER HAVING IMPROVED SERVICE LIFE**
[54] **ELEMENT PIEZOELECTRIQUE POUR NEBULISATEUR, AVEC UNE DUREE DE VIE AMELIOREE**
[72] DECORDE, NICOLAS, FR
[72] GSCHWIND, MICHEL, FR
[71] ARECO FINANCES ET TECHNOLOGIES- ARFITEC, FR
[85] 2024-02-02
[86] 2022-07-01 (PCT/IB2022/056149)
[87] (WO2023/275843)
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[51] **Int.Cl. H04L 9/00 (2022.01)**
[25] EN
[54] **EFFICIENT AND SECURE BLOCKCHAINS USING CLOUD RESOURCE PRIMITIVES**
[54] **CHAINES DE BLOCS EFFICACES ET SECURISEES UTILISANT DES PRIMITIVES DE RESSOURCES EN NUAGE**
[72] WAGNER, TIMOTHY ALLEN, US
[71] VENDIA, INC., US
[85] 2024-02-02
[86] 2022-08-26 (PCT/US2022/075547)
[87] (WO2023/028608)
[30] US (63/238,074) 2021-08-27
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[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01) A61P 35/00 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **BORYLATED AMINO ACID COMPOSITIONS COMPRISING BTS AND BTS(OME) FOR USE IN BORON NEUTRON CAPTURE THERAPY AND METHODS THEREOF**
[54] **COMPOSITIONS D'ACIDES AMINES BORYLES A BASE DE BTS ET DE BTS(OME) DESTINEES A ETRE UTILISEES DANS UNE THERAPIE CAPTURE DE NEUTRONS DE BORE ET PROCEDES ASSOCIES**
[72] TORGOV, MICHAEL, Y., US
[72] MARTIN, TIOGA, J., US
[71] TAE LIFE SCIENCES, US
[85] 2024-01-30
[86] 2022-08-01 (PCT/US2022/000016)
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[30] US (63/259,662) 2021-07-30

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[13] A1
[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **SCANNING DYNAMIC DEVICE FOR MINIBEAMS PRODUCTION**
[54] **DISPOSITIF DYNAMIQUE DE BALAYAGE PERMETTANT LA PRODUCTION DE MINIFAISCEAUX**
[72] SOTIROPOULOS, MARIOS, US
[72] PREZADO, YOLANDA, FR
[71] INSTITUT CURIE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE PARIS-SARCLAY, FR
[85] 2024-02-02
[86] 2022-07-13 (PCT/EP2022/069596)
[87] (WO2023/011879)
[30] EP (21306092.4) 2021-08-05

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[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 31/05 (2006.01)**
[25] EN
[54] **CANNABINOID DERIVATIVES AND THEIR USE**
[54] **DERIVES CANNABINOIDES ET LEUR UTILISATION**
[72] CRAWFORD, JOHN, US
[72] CHENGELIS, CHRISTOPHER, US
[71] DEMEETRA AGBIO, INC., US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/074534)
[87] (WO2023/015253)

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[13] A1
[51] **Int.Cl. G10C 3/18 (2006.01) G10C 3/26 (2019.01)**
[25] EN
[54] **REPETITION SPRING ASSEMBLY FOR AN UPRIGHT PIANO**
[54] **BARRE DE REPOS DE RETOUR DE MARTEAU, BARRE DE REPOS DE RETOUR DE MARTEAU MODULAIRE, ENSEMBLE MECANISME DE REPETITION ET ENSEMBLE PEDALE POUR PIANO DROIT**
[72] ESMONDE-WHITE, OLIVER, CA
[71] LE JARDIN DES PIANOS, LOCATION DE PIANOS INC., CA
[85] 2024-02-02
[86] 2022-08-04 (PCT/CA2022/051188)
[87] (WO2023/010216)
[30] US (63/203,950) 2021-08-05
[30] US (63/267,416) 2022-02-01

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[13] A1
[51] **Int.Cl. G07C 5/00 (2006.01) G07C 5/08 (2006.01) G06F 7/04 (2006.01)**
[25] EN
[54] **NORMALIZING AND SECURELY TRANSMITTING TELEMATICS DATA**
[54] **NORMALISATION ET TRANSMISSION SECURISEE DE DONNEES DE TELEMATIQUE**
[72] O'SULLIVAN, SHAYNE, US
[72] HAIDAR, MAHMOUD, US
[72] WALKE, VANN, US
[72] CASEY, SHAWN, US
[72] SHEAFFER, STEPHEN, US
[72] HIMELFARB, MATTHEW, US
[71] VINLI, INC., US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/039448)
[87] (WO2023/014899)
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[13] A1
[51] **Int.Cl. A61K 35/768 (2015.01) A61K 35/17 (2015.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR USING ACTIVATED LYMPHOCYTES IN THE TREATMENT OF DISEASE**
[54] **METHODES ET COMPOSITIONS POUR UTILISER DES LYMPHOCYTES ACTIVES DANS LE TRAITEMENT D'UNE MALADIE**
[72] SZALAY, ALADAR A., US
[72] PETROV, IVAN, CH
[72] CARUANA, IGNAZIO, CH
[72] EKRAMI, ELENA, CH
[71] IMMUNOLUX INTERNATIONAL CORP., US
[71] PETROV, IVAN, CH
[71] CARUANA, IGNAZIO, CH
[71] EKRAMI, ELENA, CH
[85] 2024-01-30
[86] 2022-07-29 (PCT/US2022/038917)
[87] (WO2023/009844)
[30] US (63/227,991) 2021-07-30
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[13] A1
[51] **Int.Cl. B64C 39/02 (2023.01) B64C 1/22 (2006.01)**
[25] EN
[54] **PAYLOAD CONTAINER WITH POWER SUPPLY FOR UNMANNED SYSTEMS**
[54] **CONTENANT DE CHARGE UTILE AVEC ALIMENTATION ELECTRIQUE DE SYSTEMES SANS PILOTE**
[72] GIL, JULIO, US
[72] LUCKETT, JEFF, US
[72] BELL, JULIAN, US
[72] NAUERT, JARED, US
[71] UNITED PARCEL SERVICE OF AMERICA INC., US
[85] 2024-02-02
[86] 2022-04-08 (PCT/US2022/023994)
[87] (WO2023/027773)
[30] US (63/237,392) 2021-08-26
[30] US (17/712,451) 2022-04-04

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **MEDICAL STENT OPERATING SYSTEM**
[54] **SYSTEME D'EXPLOITATION D'ENDOPROTHESE MEDICALE**
[72] CHEN, CHIEH-HSIAO, CN
[71] CHEN, CHIEH-HSIAO, CN
[85] 2024-02-02
[86] 2022-08-08 (PCT/CN2022/110924)
[87] (WO2023/016421)
[30] US (63/230,759) 2021-08-08

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[13] A1
[51] **Int.Cl. G21C 1/14 (2006.01) G21C 13/02 (2006.01) G21C 15/26 (2006.01)**
[25] EN
[54] **A LOW PRESSURE WATER REACTOR AND A METHOD FOR CONTROLLING A LOW PRESSURE WATER REACTOR**
[54] **REACTEUR A EAU A BASSE PRESSION ET PROCEDE DE COMMANDE D'UN REACTEUR A EAU A BASSE PRESSION**
[72] BIN MUSTAPHA @ PA, AZRUDI, MY
[72] ARDRON, KEITH HENRY, GB
[71] BIN MUSTAPHA @ PA, AZRUDI, MY
[71] ARDRON, KEITH HENRY, GB
[85] 2024-02-02
[86] 2022-08-02 (PCT/EP2022/071630)
[87] (WO2023/012140)
[30] EP (21189257.5) 2021-08-03

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6813 (2018.01)**
[25] EN
[54] **METHOD FOR DIAGNOSING CANINE CANCER**
[54] **PROCEDE DE DIAGNOSTIC DE CANCER DU CHIEN**
[72] OCHIYA, TAKAHIRO, JP
[72] ITOH, HIROSHI, JP
[72] TSUCHIYA, REIKO, JP
[71] MEDICAL ARK, INC., JP
[85] 2024-02-02
[86] 2022-08-01 (PCT/JP2022/029420)
[87] (WO2023/013568)
[30] JP (2021-126589) 2021-08-02

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[13] A1
[51] **Int.Cl. A61B 6/00 (2024.01) A61B 6/03 (2006.01) A61B 8/08 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND DEVICES FOR MEDICAL IMAGE ANALYSIS, DIAGNOSIS, RISK STRATIFICATION, DECISION MAKING AND/OR DISEASE TRACKING**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS D'ANALYSE D'IMAGES MEDICALES, DE DIAGNOSTIC, DE STRATIFICATION DE RISQUE, DE PRISE DE DECISION ET/OU DE SUIVI DE MALADIE**
[72] MIN, JAMES K., US
[72] EARLS, JAMES P., US
[72] MARQUES, HUGO MIGUEL RODRIGUES, US
[72] MALKASIAN, SHANT, US
[71] CLEERLY, INC., US
[85] 2024-02-02
[86] 2022-08-18 (PCT/US2022/040816)
[87] (WO2023/023286)
[30] US (63/235,010) 2021-08-19
[30] US (63/241,427) 2021-09-07
[30] US (63/276,268) 2021-11-05
[30] US (63/264,805) 2021-12-02
[30] US (63/264,913) 2021-12-03
[30] US (63/296,116) 2022-01-03
[30] US (17/820,439) 2022-08-17

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[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/4184 (2006.01) A61K 31/437 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUNDS THAT INHIBIT PI3K ISOFORM ALPHA AND METHODS FOR TREATING CANCER**
[54] **COMPOSES INHIBANT L'ISOFORME ALPHA DE PI3K ET METHODES DE TRAITEMENT DU CANCER**
[72] ST. JEAN, JR. DAVID, US
[71] SCORPION THERAPEUTICS, INC., US
[85] 2024-02-02
[86] 2022-08-08 (PCT/US2022/039674)
[87] (WO2023/018636)
[30] US (63/231,156) 2021-08-09

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[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C25B 1/042 (2021.01) C01B 21/04 (2006.01) C01C 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF GREEN AMMONIA SYNTHESIS GAS**
[54] **PROCEDE DE PREPARATION DE GAZ DE SYNTHESE D'AMMONIAC VERT**
[72] KNUDSEN, LARI BJERG, DK
[72] HAN, PAT A., DK
[71] TOPSOE A/S, DK
[85] 2024-02-02
[86] 2022-07-20 (PCT/EP2022/070321)
[87] (WO2023/020771)
[30] DK (PA202100819) 2021-08-19

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[13] A1
[51] **Int.Cl. B01D 15/16 (2006.01) C10G 3/00 (2006.01) C10G 25/00 (2006.01) C10G 31/06 (2006.01) C10G 31/09 (2006.01) C10G 45/62 (2006.01) C11B 3/10 (2006.01)**
[25] EN
[54] **A METHOD FOR DECREASING FEED IMPURITIES**
[54] **PROCEDE POUR DIMINUER LES IMPURETES D'ALIMENTATION**
[72] IKONEN, ELIAS, FI
[72] LIPPONEN, KATRIINA, FI
[72] KAKKO, TIA, FI
[71] NESTE OYJ, FI
[85] 2024-02-02
[86] 2022-08-30 (PCT/FI2022/050557)
[87] (WO2023/031511)
[30] FI (20215904) 2021-08-30

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[13] A1
[51] **Int.Cl. B60J 10/18 (2016.01)**
[25] EN
[54] **METAL BAND**
[54] **BANDE METALLIQUE**
[72] STAIBER, TIMO, DE
[71] BFC FAHRZEUGTEILE GMBH, DE
[85] 2024-02-02
[86] 2022-09-01 (PCT/EP2022/074383)
[87] (WO2023/031357)
[30] DE (20 2021 104 735.6) 2021-09-02

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[13] A1
[51] **Int.Cl. B82Y 10/00 (2011.01) B82Y 40/00 (2011.01) G06N 10/40 (2022.01) H01L 29/66 (2006.01)**
[25] EN
[54] **ADVANCED QUANTUM PROCESSING SYSTEMS AND METHODS FOR PERFORMING QUANTUM LOGIC OPERATIONS**
[54] **SYSTEMES DE TRAITEMENT QUANTIQUE AVANCES ET PROCEDES POUR EFFECTUER DES OPERATIONS LOGIQUES QUANTIQUES**
[72] KRANZ, LUDWIK, AU
[72] GORMAN, SAMUEL KEITH, AU
[72] MONIR, MD SERAJUM, AU
[72] ROCHE, STEPHEN, AU
[72] KEITH, DANIEL, AU
[72] RAHMAN, RAJIB, AU
[72] SIMMONS, MICHELLE YVONNE, AU
[71] SILICON QUANTUM COMPUTING PTY LIMITED, AU
[85] 2024-02-02
[86] 2022-08-02 (PCT/AU2022/050827)
[87] (WO2023/010164)
[30] AU (2021902381) 2021-08-02

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[13] A1
[51] **Int.Cl. A61C 15/04 (2006.01) A61K 39/00 (2006.01) A61M 31/00 (2006.01) C07K 14/315 (2006.01)**
[25] EN
[54] **TARGETING JUNCTIONAL EPITHELIUM IN THE GINGIVAL CREVICE FOR IMMUNE MODULATION**
[54] **CIBLAGE DE L'EPITHELIUM DE JONCTION DANS LE SILLON GINGIVO-DENTAIRE POUR LA MODULATION IMMUNITAIRE**
[72] GILL, HARVINDER SINGH, US
[72] SHAKYA, AKHILESH K., US
[72] INGROLE, ROHAN J., US
[71] TEXAS TECH UNIVERSITY SYSTEM, US
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/039536)
[87] (WO2023/014950)
[30] US (63/229,784) 2021-08-05

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[13] A1
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 63/28 (2020.01) A01N 43/40 (2006.01) A01N 43/78 (2006.01) A01N 49/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **FUNGICIDE MIXTURE**
[54] **MELANGE FONGICIDE**
[72] BIERI, STEPHANE, CH
[72] IRWIN, DIANNE, GB
[72] GAUVIN, JOHN RICHARD, NL
[72] COULIER, LEON, NL
[72] CARVALHO DE SOUZA, ADRIANA, NL
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-02-02
[86] 2022-08-09 (PCT/EP2022/072314)
[87] (WO2023/017016)
[30] EP (21190571.6) 2021-08-10
[30] EP (21206819.1) 2021-11-06

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[13] A1
[51] **Int.Cl. B63B 39/06 (2006.01)**
[25] EN
[54] **WATER ENGAGEMENT DEVICE ACTUATOR**
[54] **ACTIONNEUR DE DISPOSITIF DE MISE EN PRISE D'EAU**
[72] GALLAGHER, MICHAEL, US
[72] SEMPREVIVO, ANDREW, US
[72] ADAMS, JOHN, US
[71] SEAKEEPER, INC., US
[85] 2024-02-02
[86] 2022-07-30 (PCT/US2022/038964)
[87] (WO2023/014621)
[30] US (63/230,253) 2021-08-06
[30] US (17/877,785) 2022-07-29

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[13] A1
[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 8/0213 (2016.01) H01M 8/0271 (2016.01) H01M 8/0284 (2016.01) H01M 8/0297 (2016.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING A GRAPHITE BIPOLAR PLATE BY ADHESIVELY BONDING MONOPOLAR PLATES, AND BIPOLAR PLATE AND FUEL CELL OR REDOX FLOW BATTERY COMPRISING SAME**
[54] **PROCEDE DE FABRICATION D'UNE PLAQUE BIPOLAIRE EN GRAPHITE PAR COLLAGE DE PLAQUES MONOPOLAIRE ET PLAQUE BIPOLAIRE ET PILE A COMBUSTIBLE OU BATTERIE A FLUX REDOX LA COMPRENANT**
[72] VOORMANN, HAUKE, DE
[72] WITTKA, DOMINIK, DE
[71] SCHUNK KOHLENSTOFFTECHNIK GMBH, DE
[85] 2024-02-02
[86] 2021-08-03 (PCT/EP2021/071691)
[87] (WO2023/011710)

[21] **3,227,918**
[13] A1
[51] **Int.Cl. G16B 30/00 (2019.01) G16B 40/10 (2019.01) G16B 40/20 (2019.01)**
[25] EN
[54] **METHOD FOR CHARACTERIZATION OF CANCER**
[54] **PROCEDE DE CARACTERISATION DU CANCER**
[72] SAHM, FELIX, DE
[72] SILL, MARTIN, DE
[72] VON DEIMLING, ANDREAS, DE
[72] PFISTER, STEFAN, DE
[72] JONES, DAVID, DE
[72] PATEL, AREEBA, DE
[72] DOGAN, HELIN, DE
[72] LOOSE, MATT, GB
[72] PAYNE, ALEXANDER, GB
[71] DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS, DE
[71] UNIVERSITAT HEIDELBERG, DE
[71] NANOPORE TECHNOLOGIES PLC OXFORD, GB
[85] 2024-02-02
[86] 2022-08-04 (PCT/EP2022/072034)
[87] (WO2023/016932)
[30] EP (21190233.3) 2021-08-07

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **INTEGRATED MEO-LEO SATELLITE COMMUNICATION SYSTEM**
[54] **SYSTEME DE COMMUNICATION PAR SATELLITE MEO-LEO INTEGRE**
[72] RAVISHANKAR, CHANNASANDRA, US
[72] HUANG, XIAOLING, US
[72] CORRIGAN, III JOHN E., US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2024-02-02
[86] 2022-08-11 (PCT/US2022/040098)
[87] (WO2023/022920)
[30] US (63/233,738) 2021-08-16
[30] US (17/535,823) 2021-11-26

[21] **3,227,921**
[13] A1
[51] **Int.Cl. H02K 1/06 (2006.01) H02K 17/02 (2006.01) H02K 17/44 (2006.01)**
[25] EN
[54] **ENERGY EFFICIENT MOTOR-GENERATOR**
[54] **MOTEUR-GENERATEUR ECOENERGETIQUE**
[72] KUNJIMON., T. K, IN
[71] PAL-K DYNAMICS INC., US
[85] 2024-02-02
[86] 2022-08-03 (PCT/IN2022/050696)
[87] (WO2023/012825)
[30] IN (202141035653) 2021-08-06

[21] **3,227,923**
[13] A1
[51] **Int.Cl. E21B 47/10 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SIMULATION OF HYDROGEN INTERACTIONS WITHIN A SUBSURFACE RESERVOIR**
[54] **SYSTEMES ET PROCEDES POUR LA SIMULATION D'INTERACTIONS D'HYDROGENE AU SEIN D'UN GISEMENT SOUTERRAIN**
[72] MOORTGAT, JOACHIM, US
[72] DARRAH, THOMAS, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2024-02-02
[86] 2022-08-02 (PCT/IB2022/057174)
[87] (WO2023/012670)
[30] US (63/203,865) 2021-08-02

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[13] A1
[51] **Int.Cl. A01K 61/00 (2017.01)**
[25] EN
[54] **A FLOW-BASED METHOD FOR STRIKE SURVIVAL MODELING**
[54] **PROCEDE BASE SUR LES FLUX POUR MODELISATION DE SURVIE APRES IMPACT**
[72] SCHNEIDER, ABRAHAM D., US
[72] WATSON, STERLING MARINA, US
[71] NATEL ENERGY HOLDINGS, INC., US
[85] 2024-02-02
[86] 2022-08-03 (PCT/US2022/039331)
[87] (WO2023/014833)
[30] US (63/228,912) 2021-08-03

[21] **3,227,927**
[13] A1
[51] **Int.Cl. A61K 31/7036 (2006.01) A61K 36/9068 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) C07C 45/78 (2006.01) C07C 49/255 (2006.01)**
[25] EN
[54] **METHODS OF PREPARATION OF ZINGERONE, COMPOSITIONS COMPRISING ZINGERONE, AND USES THEREFOR**
[54] **PROCEDES DE PREPARATION DE ZINGERONE, COMPOSITIONS CONTENANT DE LA ZINGERONE, ET LEURS UTILISATIONS**
[72] HUNEFELD-GAIKEMA, CYNTHIA, NZ
[71] EVITHE LIMITED, NZ
[85] 2024-02-02
[86] 2022-08-11 (PCT/NZ2022/050102)
[87] (WO2023/018338)
[30] NZ (779010) 2021-08-11

[21] **3,227,929**
[13] A1
[51] **Int.Cl. C22C 21/16 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING 2XXX ALUMINUM ALLOYS**
[54] **PROCEDES DE PRODUCTION D'ALLIAGES D'ALUMINIUM 2XXX**
[72] SAUZA, DANIEL J., US
[72] BOSELLI, JULIEN, US
[71] ARCONIC TECHNOLOGIES LLC, US
[85] 2024-02-02
[86] 2022-08-23 (PCT/US2022/041247)
[87] (WO2023/028070)
[30] US (63/236,614) 2021-08-24

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[13] A1
[51] **Int.Cl. D21H 11/14 (2006.01) D21H 17/28 (2006.01) D21H 17/37 (2006.01) D21H 21/36 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING STARCH CONTENT OF AN AQUEOUS PHASE REMOVED FROM FIBRE STOCK PREPARATION**
[54] **PROCEDE DE REDUCTION DE TENEUR EN AMIDON D'UNE PHASE AQUEUSE RETIREE DE LA PREPARATION D'UNE PATE DE FIBRES**
[72] AHLGREN, JONNI, FI
[72] HIETANIEMI, MATTI, FI
[72] KORHONEN, MARKUS, FI
[71] KEMIRA OYJ, FI
[85] 2024-02-02
[86] 2022-10-12 (PCT/FI2022/050678)
[87] (WO2023/062277)
[30] FI (20216054) 2021-10-12

[21] **3,227,932**
[13] A1
[25] EN
[54] **METHOD FOR CREMATION BY MEANS OF SUPERCRITICAL FLUIDS REACTION**
[54] **PROCEDE DE CREMATION AU MOYEN D'UNE REACTION DE FLUIDES SUPERCRITIQUES**
[72] HAMILTON, STEPHEN W, GB
[72] DAWSON, GREGORY SCOTT, US
[71] SCW TECHNOLOGIES LIMITED, GB
[85] 2024-02-02
[86] 2022-09-06 (PCT/IB2022/058347)
[87] (WO2023/037229)
[30] FR (FR2109461) 2021-09-09

[21] **3,227,933**
[13] A1
[51] **Int.Cl. E06B 11/08 (2006.01) E06B 3/36 (2006.01)**
[25] EN
[54] **A DOOR ARRANGEMENT**
[54] **AGENCEMENT DE PORTE**
[72] DE JONG, MARK, NL
[72] WEEL, CHRIS, NL
[71] ROYAL BOON EDAM INTERNATIONAL B.V., NL
[85] 2024-02-02
[86] 2022-07-27 (PCT/NL2022/050445)
[87] (WO2023/014217)
[30] NL (2028911) 2021-08-03

[21] **3,227,935**
[13] A1
[51] **Int.Cl. A61M 11/02 (2006.01) B65D 5/76 (2006.01)**
[25] EN
[54] **A MEDICATION INHALATION DEVICE**
[54] **DISPOSITIF D'INHALATION DE MEDICAMENT**
[72] HABERFIELD, DAVID, AU
[72] BIRD, NICHOLAS, AU
[72] BOULT, TIMOTHY, AU
[72] GOVER, NEALE, AU
[71] BIRD HEALTHCARE PTY LTD, AU
[85] 2024-02-02
[86] 2022-08-05 (PCT/AU2022/050853)
[87] (WO2023/010180)
[30] AU (2021902425) 2021-08-05

[21] **3,227,936**
[13] A1
[51] **Int.Cl. C04B 20/02 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING SUPPLEMENTARY CEMENTITIOUS MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU CIMENTAIRE DE REMPLACEMENT**
[72] SKOCEK, JAN, DE
[72] ZAJAC, MACIEJ, DE
[71] HEIDELBERG MATERIALS AG, DE
[85] 2024-02-02
[86] 2022-09-08 (PCT/EP2022/075010)
[87] (WO2023/046499)
[30] EP (21198298.8) 2021-09-22

[21] **3,227,938**
[13] A1
[51] **Int.Cl. H01M 50/107 (2021.01) H01M 50/152 (2021.01) H01M 50/186 (2021.01) H01M 50/188 (2021.01) H01M 50/193 (2021.01) H01M 50/559 (2021.01) H01M 50/578 (2021.01)**
[25] EN
[54] **ENERGY STORAGE CELL**
[54] **CELLULE D'ACCUMULATION D'ENERGIE**
[72] CLEMENS, MARKUS, DE
[72] BARGHOUT, LOUBNA, DE
[72] FORMER, DR. CARSTEN, DE
[72] ZIEGLER, GUNTER, DE
[72] MALL, JURGEN, DE
[71] CARL FREUDENBERG KG, DE
[85] 2024-02-02
[86] 2022-08-04 (PCT/EP2022/071978)
[87] (WO2023/012284)
[30] DE (10 2021 120 392.9) 2021-08-05

[21] **3,227,939**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING AND CURATING TASKS**
[54] **SYSTEMES ET PROCEDES DE GENERATION ET DE GESTION DE TACHES**
[72] MATSUOKA, YOKY, US
[72] LIU, LINGYUN, US
[72] DEMING, BENJAMIN, US
[72] VAN DER LINDEN, GWENDOLYN W., US
[72] BEAULIEU, MALIA, US
[72] VISWANATHAN, NITIN, US
[72] PATERSON, SEAN, US
[71] YOHANA LLC, US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/074540)
[87] (WO2023/015256)
[30] US (63/229,269) 2021-08-04

[21] **3,227,941**
[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01) H04W 52/02 (2009.01)**
[25] EN
[54] **HANDLING OF MEDIUM ACCESS CONTROL (MAC) ENTITY DURING SECONDARY CELL GROUP (SCG) DEACTIVATION/REACTVATION**
[54] **GESTION D'ENTITE DE COMMANDE D'ACCES AU SUPPORT (MAC) PENDANT UNE DESACTIVATION/REACTIVATION DE GROUPE DE CELLULES SECONDAIRE (SCG)**
[72] ZOU, ZHENHUA, SE
[72] BERGQVIST, JENS, SE
[72] WALLENTIN, PONTUS, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2024-02-02
[86] 2022-06-28 (PCT/EP2022/067645)
[87] (WO2023/011806)
[30] US (63/229,570) 2021-08-05

[21] **3,227,942**
[13] A1
[51] **Int.Cl. G02F 1/137 (2006.01) G02F 1/15 (2019.01)**
[25] EN
[54] **ELECTROACTIVE OPTICAL DEVICE**
[54] **DISPOSITIF OPTIQUE ELECTROACTIF**
[72] KUMAR, ANIL, US
[72] KING, ERIC MICHAEL, US
[72] WILT, TRUMAN FRANK, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2024-02-02
[86] 2022-08-29 (PCT/US2022/075568)
[87] (WO2023/034737)
[30] US (17/462,162) 2021-08-31

[21] **3,227,943**
[13] A1
[51] **Int.Cl. A23G 3/44 (2006.01) A23G 3/40 (2006.01)**
[25] EN
[54] **METHOD OF MAKING LOW-SUGAR CARAMELS**
[54] **PROCEDE DE FABRICATION DE CARAMELS A FAIBLE TENEUR EN SUCRE**
[72] YOU, YUMIN, US
[72] HAGER, CHELSEA DENISE, US
[72] SIRIS, SUPAPONG, US
[72] BENNETT, JAMES EDWARD JR., US
[72] PASCUA CUBIDES, YVETTE THIBAULT, US
[71] THE HERSHEY COMPANY, US
[85] 2024-02-02
[86] 2022-08-22 (PCT/US2022/041022)
[87] (WO2023/034053)
[30] US (17/446,389) 2021-08-30

[21] **3,227,944**
[13] A1
[25] EN
[54] **ARTIFICIAL TURF, METHOD FOR MANUFACTURING ARTIFICIAL TURF AND METHOD FOR RECYCLING AN ARTIFICIAL TURF INTO POLYESTER GRANULES**
[54] **GAZON ARTIFICIEL, PROCEDE DE FABRICATION DE GAZON ARTIFICIEL ET PROCEDE DE RECYCLAGE D'UN GAZON ARTIFICIEL EN GRANULES DE POLYESTER**
[72] FIOLET, ARNOUD FREDERIK, NL
[71] RECREATIONAL SYSTEMS INTERNATIONAL B.V., NL
[85] 2024-02-02
[86] 2022-08-01 (PCT/NL2022/050455)
[87] (WO2023/014220)
[30] NL (2028913) 2021-08-03

[21] **3,227,947**
[13] A1
[25] EN
[54] **METHOD FOR REDUCING ENDOTOXIN LEVELS IN NUCLEIC ACID PURIFICATION**
[54] **PROCEDE DE REDUCTION DES TAUX D'ENDOTOXINES DANS LA PURIFICATION D'ACIDES NUCLEIQUES**
[72] HEINEN-KREUZIG, ANJA, DE
[72] KIESEWETTER, ANDRE, DE
[72] STEIN, ANDREAS, DE
[72] GUPTA, AKSHAT, US
[71] MERCK PATENT GMBH, DE
[85] 2024-02-02
[86] 2022-08-03 (PCT/EP2022/071786)
[87] (WO2023/012206)
[30] US (63/229,666) 2021-08-05

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[13] A1
[25] EN
[54] **NOVEL OMEGA 3 CARRIER PREPARATIONS FOR INHALATION DRUG DELIVERY FOR TREATING LUNG INFLAMMATION**
[54] **NOUVELLES PREPARATIONS DE SUPPORT OMEGA 3 DESTINEES A L'ADMINISTRATION DE MEDICAMENT PAR INHALATION POUR LE TRAITEMENT D'UNE INFLAMMATION PULMONAIRE**
[72] KOCHERLAKOTA, CHANDRASHEKHAR, IN
[72] BRENNA, JAMES THOMAS, US
[72] KOTHAPALLI, SESHA DURGA KUMAR, US
[72] BANDA, NAGARAJU, IN
[72] NARALA, ARJUN, IN
[72] AKULA, SRINATH, IN
[71] LEIUTIS PHARMACEUTICALS LLP, IN
[85] 2024-02-02
[86] 2022-08-03 (PCT/IB2022/057208)
[87] (WO2023/012690)
[30] IN (202141035170) 2021-08-04
[30] IN (202141053853) 2021-11-23

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[13] A1
[51] **Int.Cl. G07F 11/24 (2006.01) G07F 11/44 (2006.01) G09F 3/14 (2006.01) G09F 3/18 (2006.01)**
[25] EN
[54] **REUSABLE IDENTIFICATION DEVICE**
[54] **DISPOSITIF D'IDENTIFICATION REUTILISABLE**
[72] GUILLEM PICO, IGNACIO, ES
[71] GUILLEM PICO, IGNACIO, ES
[85] 2024-02-02
[86] 2022-07-27 (PCT/ES2022/070494)
[87] (WO2023/012389)
[30] ES (U202131634) 2021-08-06

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[13] A1
[51] **Int.Cl. B23B 29/02 (2006.01) B23B 27/10 (2006.01) B23B 29/08 (2006.01)**
[25] EN
[54] **TOOL HOLDER HAVING ANTI-VIBRATION ARRANGEMENT AND COOLANT CHANNEL, AND CUTTING TOOL PROVIDED WITH TOOL HOLDER**
[54] **PORTE-OUTIL A AGENCEMENT ANTI-VIBRATION ET CANAL DE FLUIDE DE REFROIDISSEMENT, ET OUTIL DE COUPE POURVU DU PORTE-OUTIL**
[72] SAFFOURI, JONY, IL
[71] ISCAR LTD., IL
[85] 2024-02-02
[86] 2022-08-08 (PCT/IL2022/050859)
[87] (WO2023/037352)
[30] US (17/467,828) 2021-09-07

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[13] A1
[51] **Int.Cl. B23B 29/02 (2006.01)**
[25] EN
[54] **TOOL HOLDER HAVING ANTI-VIBRATION ARRANGEMENT WITH TWO MASSES AND CUTTING TOOL PROVIDED WITH TOOL HOLDER**
[54] **PORTE-OUTIL AYANT UN AGENCEMENT ANTI-VIBRATION AVEC DEUX MASSES ET OUTIL DE COUPE MUNI D'UN PORTE-OUTIL**
[72] SAFFOURI, JONY, IL
[72] HEN, DANIEL, IL
[72] RABOUH, RAFI, IL
[71] ISCAR LTD., IL
[85] 2024-02-02
[86] 2022-08-08 (PCT/IL2022/050860)
[87] (WO2023/037353)
[30] US (17/467,877) 2021-09-07

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[13] A1
[51] **Int.Cl. E06C 9/14 (2006.01) E06C 5/04 (2006.01) B60R 3/02 (2006.01) E06C 5/30 (2006.01) E06C 5/42 (2006.01) E06C 5/44 (2006.01)**
[25] EN
[54] **FLIP-OVER LADDER SYSTEM**
[54] **SYSTEME D'ECHELLE A BASCULE**
[72] TRIPP, ADAM, US
[71] TRIPP, ADAM, US
[85] 2024-02-02
[86] 2022-10-11 (PCT/US2022/046294)
[87] (WO2023/059939)
[30] US (63/254,011) 2021-10-08

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[13] A1
[51] **Int.Cl. G01K 1/20 (2006.01)**
[25] EN
[54] **WEARABLE DEVICE FOR NONINVASIVE BODY TEMPERATURE MEASUREMENT**
[54] **DISPOSITIF PORTABLE DESTINE A LA MESURE NON INVASIVE DE LA TEMPERATURE CORPORELLE**
[72] TELFORT, VALERY G., US
[72] SCRUGGS, STEPHEN, US
[72] AMPOSTA, JOEL, US
[71] MASIMO CORPORATION, US
[85] 2024-02-02
[86] 2022-09-20 (PCT/US2022/076733)
[87] (WO2023/049712)
[30] US (63/261,500) 2021-09-22

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[13] A1
[51] **Int.Cl. A61K 8/64 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **BIOMIMETIC PEPTIDES AND THEIR USE IN BONE REGENERATION**
[54] **PEPTIDES BIOMIMETIQUES ET LEUR UTILISATION DANS LA REGENERATION OSSEUSE**
[72] BIAGIOTTI, MARCO, IT
[72] FREDDI, GIULIANO, IT
[72] ALESSANDRINO, ANTONIO, IT
[72] SIRONI, MAURIZIO, IT
[72] PIERACCINI, STEFANO, IT
[72] DAPIAGGI, FEDERICO, CH
[71] SILK BIOMATERIALS S.R.L., IT
[85] 2024-02-02
[86] 2022-08-04 (PCT/EP2022/071898)
[87] (WO2023/016904)
[30] IT (102021000021557) 2021-08-09

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 37/02 (2006.01)**
[25] FR
[54] **ANTIBODY-DRUG CONJUGATES**
[54] **CONJUGUES ANTICORPS-MEDICAMENT**
[72] MARTIN, CAMILLE, FR
[72] FEUILLATRE, OFELIA, FR
[72] GRUEL, YVES, FR
[72] ROLLIN, JEROME, FR
[71] MCSAF, FR
[71] UNIVERSITE DE TOURS, FR
[71] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE TOURS, FR
[85] 2024-02-02
[86] 2022-08-04 (PCT/FR2022/051554)
[87] (WO2023/012437)
[30] FR (FR2108537) 2021-08-05

[21] **3,227,956**
[13] A1
[51] **Int.Cl. G21G 1/12 (2006.01) H01J 35/08 (2006.01)**
[25] EN
[54] **EFFICIENT BREMSSTRAHLUNG CONVERTER**
[54] **CONVERTISSEUR DE RAYONNEMENT CONTINU DE FREINAGE EFFICACE**
[72] ROTSCH, DAVID, US
[72] NOLEN, JERRY A., US
[72] SONG, JEONGSEOG, US
[72] CHEMERISOV, SERGEY D., US
[72] BAILEY, JAMES L., US
[72] KMAK, RONALD T., US
[71] UCHICAGO ARGONNE, LLC., US
[85] 2024-02-02
[86] 2022-07-29 (PCT/US2022/038763)
[87] (WO2023/244254)
[30] US (17/392,803) 2021-08-03

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEPSIS DETECTION AND MANAGEMENT IN PATIENTS**
[54] **SYSTEMES ET PROCEDES DE DETECTION ET DE GESTION DE SEPSIS CHEZ DES PATIENTS**
[72] CARRERA FABRA, JORDI, ES
[72] BRU GIBERT, RAFAEL, ES
[72] IVEY, RICHARD MAX, US
[71] DEEPULL DIAGNOSTICS S.L., ES
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[87] (WO2023/014802)
[30] US (63/230,436) 2021-08-06

[21] **3,227,958**
[13] A1
[25] EN
[54] **SYSTEM AND METHODS FOR MINI-LOADERS AND OTHER POWER MACHINES**
[54] **SYSTEME ET METHODES POUR MINI-CHARGEUSES ET AUTRES MACHINES A MOTEUR**
[72] SPEARS, KARL, US
[72] RIVELAND, SHAUN, US
[72] TOKACH, THOMAS, US
[72] PENCE, MITCHELL, US
[72] KRAFT, ANDREW, US
[71] DOOSAN BOBCAT NORTH AMERICA, INC., US
[85] 2024-02-02
[86] 2022-08-18 (PCT/US2022/040726)
[87] (WO2023/023232)
[30] US (63/234,352) 2021-08-18

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[13] A1
[51] **Int.Cl. F16L 55/027 (2006.01) F16K 47/06 (2006.01)**
[25] EN
[54] **FLUID FLOW CONTROL DEVICES AND SYSTEMS, AND METHODS OF FLOWING FLUIDS**
[54] **DISPOSITIFS ET SYSTEMES DE REGULATION DE DEBIT DE FLUIDE, ET PROCEDES DE CIRCULATION DE FLUIDES**
[72] PARISH, JEFF, US
[72] BARTHOLOMEW, DAVID, US
[72] DAVIS, JAMES, US
[72] GUO, SHANWEI, SG
[72] ASOKAN, KAUSHIK, SG
[71] FLOWSERVE PTE. LTD., SG
[85] 2024-02-02
[86] 2022-07-16 (PCT/US2022/037400)
[87] (WO2023/018520)
[30] US (17/401,300) 2021-08-12

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[13] A1
[51] **Int.Cl. C12Q 1/6888 (2018.01) C12N 15/90 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS OF MATTER FOR INERT BIOENGINEERING OF A BIOLOGICAL ENTITY**
[54] **PROCEDES ET COMPOSITIONS DE MATIERE POUR LA BIO-INGENIERIE INERTE D'UNE ENTITE BIOLOGIQUE**
[72] BORG, MICHAEL, CA
[72] FRIEDBERG, JEREMY N., CA
[72] SINGER, DAVID, CA
[72] BIZ, ALESSANDRA, CA
[71] INDEX BIOSYSTEMS INC., CA
[85] 2024-02-02
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[87] (WO2023/010212)
[30] US (63/228,933) 2021-08-03

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[51] **Int.Cl. A47J 27/022 (2006.01)**
[25] EN
[54] **ELECTRONIC FRY PAN AND BATTERY POWER SUPPLY**
[54] **POELE A FRIRE ELECTRONIQUE ET ALIMENTATION ELECTRIQUE DE BATTERIE**
[72] RUBEN, MURRAY, US
[71] RUBEN, MURRAY, US
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/039537)
[87] (WO2023/014951)
[30] US (63/230,372) 2021-08-06

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[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR DEFECT DETECTION USING VISIBLE LIGHT CAMERAS WITH SYNCHRONIZED LIGHTING**
[54] **SYSTEME ET PROCEDE DE DETECTION DE DEFAUTS A L'AIDE DE CAMERAS A LUMIERE VISIBLE A ECLAIRAGE SYNCHRONISE**
[72] WILSON, JACOB, CA
[71] EIGEN INNOVATIONS INC., CA
[85] 2024-02-02
[86] 2022-08-05 (PCT/CA2022/051200)
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[30] US (63/229,892) 2021-08-05

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[51] **Int.Cl. C08K 5/5435 (2006.01) C08F 8/42 (2006.01)**
[25] EN
[54] **PROCESS FOR MODIFYING AN AQUEOUS POLYMER LATEX**
[54] **PROCEDE DE MODIFICATION D'UN LATEX POLYMERE AQUEUX**
[72] BALK, ROELOF, DE
[72] LOHMEIJER, BASTIAAN, DE
[72] WAGNER, OLIVER, DE
[72] ROSCHMANN, KONRAD, DE
[71] BASF SE, DE
[85] 2024-02-02
[86] 2022-08-03 (PCT/EP2022/071806)
[87] (WO2023/012213)
[30] EP (21189579.2) 2021-08-04

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[13] A1
[25] EN
[54] **METHOD FOR PRODUCING GENETICALLY MODIFIED CELLS**
[54] **PROCEDE DE PRODUCTION DE CELLULES GENETIQUEMENT MODIFIEES**
[72] JIN, SHENGKAN, US
[72] COLLANTES, JUAN-CARLOS, US
[72] LAMBOURNE, JOHN, GB
[72] PORRECA, IMMACOLATA, GB
[72] SELMI, TOMMASO, GB
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[71] HORIZON DISCOVERY LIMITED, GB
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/074625)
[87] (WO2023/015307)
[30] US (63/203,996) 2021-08-06

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[51] **Int.Cl. C01F 11/24 (2006.01) C09K 8/504 (2006.01) C09K 8/594 (2006.01) C09K 8/66 (2006.01) C01F 11/18 (2006.01) F03G 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR ENGINEERED GEOTHERMAL SYSTEM IN-SITU CONFORMANCE IMPROVEMENT TREATMENT USING BRINES INFUSED WITH CO2**
[54] **PROCEDE DE TRAITEMENT D'AMELIORATION DE LA CONFORMITE IN-SITU D'UN SYSTEME GEOTHERMIQUE SOPHISTIQUE AU MOYEN DE SAUMURE IMPREGNEE DE CO2**
[72] SMITH, THOMAS B., US
[71] SMITH, THOMAS B., US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/039486)
[87] (WO2023/014921)
[30] US (63/229,402) 2021-08-04

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[13] A1
[51] **Int.Cl. F03G 7/04 (2006.01) F24T 10/13 (2018.01) F01K 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR GENERATING ELECTRICITY FROM A GEOTHERMAL ENERGY SOURCE VIA AN INTEGRATED THERMAL POWER PLANT**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'ELECTRICITE A PARTIR D'UNE SOURCE D'ENERGIE GEOTHERMIQUE PAR L'INTERMEDIAIRE D'UNE CENTRALE THERMIQUE INTEGREE**
[72] AREFI, BABAK BOB, US
[71] AREFI, BABAK BOB, US
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/039592)
[87] (WO2023/014981)
[30] US (63/229,810) 2021-08-05

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[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01)**
[25] EN
[54] **NURSERY BASED DEVICES WITH CONNECTIVITY TO IOT ECOSYSTEM**
[54] **DISPOSITIFS A BASE DE NURSERY AYANT UNE CONNECTIVITE A UN ECOSYSTEME IOT**
[72] LEE, AGNES YENA, US
[72] CHAN, SUNG YUN, US
[72] TRUMBO, NICOLAS ARTHUR, US
[72] DUNN, STEVEN BRYAN, US
[72] GUM, BRIAN CHI HO, US
[72] JOHNSON, KEVIN DOUGLAS, US
[72] HERRIN, SEAN QUINTON, US
[72] LAU, CHIU WA, HK
[72] YIP, MAU CHUN, HK
[72] ASHCRAFT, BRITT, US
[72] EVORA, ROBERT ZACARIES, US
[71] MUNCHKIN, INC., US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/039485)
[87] (WO2023/014920)
[30] US (63/229,450) 2021-08-04
[30] US (63/237,476) 2021-08-26

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[13] A1
[51] **Int.Cl. G01N 3/06 (2006.01) G01N 3/58 (2006.01)**
[25] EN
[54] **HAND TOOL EDGE TESTER**
[54] **TESTEUR D'ARETE D'OUTIL A MAIN**
[72] GRAVES, MARY T., US
[72] GRAVES, DANIEL D., US
[72] JURANITCH, JOSEPH C., US
[72] TAYLOR, SCOTT D., US
[72] MATTILA, ROBERT J., US
[71] RAZOR EDGE SYSTEMS, INC., US
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[86] 2022-07-19 (PCT/US2022/037576)
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[30] US (17/403,671) 2021-08-16

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[13] A1
[25] EN
[54] **HYPOCHLOROUS FOGGING OR MISTING APPARATUS AND METHODS**
[54] **APPAREIL ET METHODES DE NEBULISATION OU DE BRUMISATION D'ACIDE HYPOCHLOREUX**
[72] HIRSCH, JAMES, US
[72] VALENTINE, SHAUN, US
[72] HALLECK, BRIAN, US
[71] ZYRIS, INC., US
[85] 2024-02-03
[86] 2022-08-02 (PCT/US2022/039148)
[87] (WO2023/014701)
[30] US (17/393,018) 2021-08-03
[30] US (17/675,841) 2022-02-18

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[13] A1
[25] EN
[54] **GAS PRESSURE PROTECTION DEVICE, VENTILATION AND DEODORIZATION SYSTEM, AND DEEP DRAINAGE TUNNEL**
[54] **DISPOSITIF DE PROTECTION CONTRE LA PRESSION DE GAZ, SYSTEME DE VENTILATION ET DE DESODORISATION ET TUNNEL DE DRAINAGE PROFOND**
[72] ZHANG, CHEN, CN
[72] CAO, JING, CN
[72] YE, YUANXIN, CN
[72] XU, WENZHENG, CN
[72] ZHOU, JUANJUAN, CN
[72] HAN, JINGCHAO, CN
[72] LI, PENGCHENG, CN
[72] SHEN, PANGYONG, CN
[72] WANG, XIAOPENG, CN
[72] XU, LONGHAI, CN
[72] GU, YUN, CN
[72] WANG, BIBO, CN
[72] ZHU, JIAQI, CN
[72] ZHU, YUFENG, CN
[72] CHEN, WANGYUAN, CN
[72] SHEN, SHIHAO, CN
[71] SHANGHAI MUNICIPAL ENGINEERING DESIGN INSTITUTE (GROUP) CO., LTD., CN
[85] 2024-02-03
[86] 2022-02-22 (PCT/CN2022/077234)
[87] (WO2023/010830)
[30] CN (202110897312.7) 2021-08-05

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[13] A1
[51] **Int.Cl. C01B 32/50 (2017.01) C01B 32/55 (2017.01)**
[25] EN
[54] **DRY ICE PRODUCTION SYSTEM USING ATMOSPHERIC CARBON DIOXIDE AS GAS SOURCE AND CAPABLE OF SUPPLYING AIR FOR AIR CONDITIONING**
[54] **SYSTEME DE PRODUCTION DE GLACE SECHE UTILISANT DU DIOXYDE DE CARBONE ATMOSPHERIQUE EN TANT QUE SOURCE DE GAZ ET APTE A FOURNIR DE L'AIR POUR CLIMATISATION**
[72] OKANO, HIROSHI, JP
[71] OKANO, HIROSHI, JP
[85] 2024-02-05
[86] 2022-12-22 (PCT/JP2022/047374)
[87] (WO2023/228457)
[30] JP (2022-084014) 2022-05-23

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-PVRIG/ANTI-TIGIT BISPECIFIC ANTIBODIES AND APPLICATIONS THEREOF**
[54] **ANTICORPS BISPECIFIQUE ANTI-PVRIG/ANTI-TIGIT ET APPLICATION**
[72] ZHAO, XIAOFENG, CN
[72] LIU, LEI, CN
[72] LIU, YANG, CN
[72] FU, YAYUAN, CN
[72] CAO, ZHUOXIAO, CN
[72] TANG, RENHONG, CN
[72] REN, JINSHENG, CN
[71] SHANDONG SIMCERE BIOPHARMACEUTICAL CO., LTD., CN
[85] 2024-01-29
[86] 2022-07-28 (PCT/CN2022/108648)
[87] (WO2023/006040)
[30] CN (202110872620.4) 2021-07-30
[30] CN (202110874745.0) 2021-07-30
[30] CN (202110903850.2) 2021-08-06
[30] CN (202210276638.2) 2022-03-21

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 7/04 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTING AN INTRACRANIAL ATHEROSCLEROTIC DISEASE PATIENT FOR TREATMENT**
[54] **PROCEDES DE SELECTION D'UN PATIENT SOUFFRANT D'ATHEROSCLEROSE INTRACRANIENNE POUR TRAITEMENT**
[72] SCHNEIDER, DAVID J., US
[71] UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE, US
[85] 2024-01-30
[86] 2021-08-04 (PCT/US2021/044439)
[87] (WO2023/014354)

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[13] A1
[51] **Int.Cl. H02G 1/12 (2006.01) B21F 13/00 (2006.01) B26B 27/00 (2006.01) G02B 6/245 (2006.01) G02B 6/44 (2006.01) G02B 6/46 (2006.01)**
[25] EN
[54] **CABLE SHAVING TOOL**
[54] **OUTIL DE RASAGE DE CABLE**
[72] FOWLER, MARK, GB
[72] BOURGOIN, BRIAN, US
[72] EISELE, WILL, US
[71] HUBBELL POWER SYSTEMS, INC., US
[85] 2024-01-30
[86] 2022-04-13 (PCT/US2022/024637)
[87] (WO2023/282954)
[30] US (63/220,243) 2021-07-09

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[51] **Int.Cl. C07D 487/06 (2006.01) C07D 487/12 (2006.01) A61K 31/5025 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTIBODY CONJUGATES SPECIFIC FOR MUCIN-1 AND METHODS OF USE THEREOF**
[54] **ANTICORPS CONJUGUES SPECIFIQUES POUR LA MUCINE-1 ET METHODES D'UTILISATION ASSOCIEES**
[72] RABUKA, DAVID, US
[72] DRAKE, PENELOPE M., US
[72] KIM, YUN CHEOL, US
[72] BARFIELD, ROBYN M., US
[72] BAUZON, MAXINE, US
[72] OGUNKOYA, AYODELE, US
[72] CHUPRAKOV, STEPAN, US
[71] R.P. SCHERER TECHNOLOGIES, LLC, US
[85] 2024-01-30
[86] 2022-10-28 (PCT/US2022/038904)
[87] (WO2023/009835)
[30] US (63/344,932) 2022-05-23
[30] US (63/322,914) 2022-03-23

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[13] A1
[51] **Int.Cl. B01D 15/00 (2006.01) B01J 49/30 (2017.01) B01J 49/40 (2017.01) C01D 3/06 (2006.01) C01D 15/00 (2006.01) B01J 47/00 (2017.01)**
[25] EN
[54] **LITHIUM RECOVERY THERMAL MANAGEMENT**
[54] **GESTION THERMIQUE DE RECUPERATION DE LITHIUM**
[72] SHAMPINE, ROD WILLIAM, US
[72] SAMS, GARY W., US
[72] LOPEZ, MIGUEL ANGEL, US
[72] NIRGUDKAR, PRASANNA, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-01-30
[86] 2022-08-01 (PCT/US2022/039015)
[87] (WO2023/009887)
[30] US (63/203,773) 2021-07-30

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[13] A1
[51] **Int.Cl. B01D 15/36 (2006.01) C01D 15/00 (2006.01) C02F 9/00 (2023.01) C22B 3/24 (2006.01) C22B 26/12 (2006.01) C25C 1/02 (2006.01) B01D 9/00 (2006.01)**
[25] EN
[54] **CAPILLARY ELECTROPHORESIS ANALYSIS OF LITHIUM IN BRINE**
[54] **ANALYSE PAR ELECTROPHORESE CAPILLAIRE DE LITHIUM DANS DE LA SAUMURE**
[72] MAHAVADI, SHARATH CHANDRA, US
[72] PERRONI, DOMINIC VINCENT, US
[72] FENG, LING, US
[72] SHAMPINE, ROD WILLIAM, US
[72] JARIWALA, ANKUR D., US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-01-30
[86] 2022-08-01 (PCT/US2022/039021)
[87] (WO2023/009888)
[30] US (63/203,774) 2021-07-30

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[13] A1
[51] **Int.Cl. G06N 10/40 (2022.01)**
[25] EN
[54] **MAJORANA-BASED QUBITS IN 3D TOPOLOGICAL INSULATOR FLAKES**
[54] **BITS QUANTIQUES A BASE DE MAJORANA DANS DES FLOCONS D'ISOLANT TOPOLOGIQUES 3D**
[72] PIKULIN, DMITRY, US
[72] LUTCHYN, ROMAN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2024-01-30
[86] 2022-08-12 (PCT/US2022/040155)
[87] (WO2023/034005)
[30] US (17/463,548) 2021-09-01

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[13] A1
[51] **Int.Cl. B60L 50/60 (2019.01) B60L 50/50 (2019.01) B60L 53/00 (2019.01) H02G 3/08 (2006.01) H05K 7/02 (2006.01) B60L 50/00 (2019.01) B60R 16/03 (2006.01)**
[25] EN
[54] **POWER DISTRIBUTION MODULES FOR ELECTRIC DRIVETRAINS**
[54] **MODULES DE DISTRIBUTION D'ENERGIE POUR GROUPES MOTOPROPULSEURS**
[72] MCKIBBEN, ETHAN J., US
[72] COUPAL-SIKES, ERIC M., US
[72] SLOAN, TODD F., US
[72] FORSBERG, CHRIS, US
[72] TYERMAN, LANDON, US
[72] MOLONEY, RYAN J., US
[71] HEXAGON PURUS NORTH AMERICA HOLDINGS INC., US
[85] 2024-01-30
[86] 2022-08-19 (PCT/US2022/040914)
[87] (WO2023/027961)
[30] US (63/237,468) 2021-08-26
[30] US (63/260,601) 2021-08-26

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[13] A1
[51] **Int.Cl. H01M 50/102 (2021.01) B60L 50/64 (2019.01) H01M 50/20 (2021.01) B60L 3/00 (2019.01) B60L 13/00 (2006.01) B60R 16/023 (2006.01) B60R 16/03 (2006.01) B60L 53/20 (2019.01) B62D 25/06 (2006.01)**
[25] EN
[54] **BATTERY PACKS FOR UTILITY VEHICLE ELECTRIC DRIVETRAINS**
[54] **BLOCS-BATTERIES POUR TRANSMISSIONS ELECTRIQUES DE VEHICULE UTILITAIRE**
[72] TYERMAN, LANDON, US
[72] COUPAL-SIKES, ERIC M., US
[71] HEXAGON PURUS NORTH AMERICA HOLDINGS INC., US
[85] 2024-01-30
[86] 2022-08-19 (PCT/US2022/040950)
[87] (WO2023/027965)
[30] US (63/260,613) 2021-08-26

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[13] A1
[51] **Int.Cl. B67D 1/08 (2006.01) F25C 5/187 (2018.01) F25C 5/20 (2018.01) B67D 1/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING ICE LEVELS IN A BEVERAGE DISPENSER**
[54] **SYSTEMES ET PROCEDES DE GESTION DE NIVEAUX DE GLACONS DANS UN DISTRIBUTEUR DE BOISSON**
[72] BARBELY, ERIC, US
[72] MULCAHEY, DAVID, US
[71] THE COCA-COLA COMPANY, US
[85] 2024-01-30
[86] 2022-09-23 (PCT/US2022/044528)
[87] (WO2023/049338)
[30] US (63/247,852) 2021-09-24

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[13] A1
[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/54 (2006.01) C02F 3/02 (2006.01) C02F 1/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REMOVING CONTAMINANTS FROM WASTEWATER STREAMS**
[54] **SYSTEME ET PROCEDE D'ELIMINATION DE CONTAMINANTS D'ECOULEMENTS D'EAUX USEES**
[72] LAWRENCE, DARREN PAUL, GB
[71] XYLEM WATER SOLUTIONS U.S.A., INC., US
[85] 2024-01-30
[86] 2022-09-27 (PCT/US2022/044793)
[87] (WO2023/055698)
[30] US (63/249,053) 2021-09-28

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[13] A1
[51] **Int.Cl. B65D 81/32 (2006.01) B65D 85/72 (2006.01) G06F 17/00 (2019.01) H01Q 1/22 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **DYNAMIC DRINKING SYSTEM**
[54] **SYSTEME DYNAMIQUE POUR BOIRE**
[72] MUNOZ, BRAD ERNEST, US
[72] SCHACHT, RAYMOND, US
[72] MOTAMAYOR, JUAN CARLOS, US
[72] POTTER, ANDREW ROBERT, GB
[72] MCKEON, JACK, GB
[72] SMITH, ANTONIA CATHERINE, GB
[72] SPENGER, MATE, GB
[72] KILBY, CHARLES, GB
[72] DOBSON, BARRY, GB
[72] RUDAN, WILLIAM, US
[71] THE COCA-COLA COMPANY, US
[85] 2024-01-30
[86] 2022-10-11 (PCT/US2022/046238)
[87] (WO2023/064246)
[30] US (63/254,312) 2021-10-11

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[13] A1
[51] **Int.Cl. H01M 50/10 (2021.01)**
[25] EN
[54] **CASE OF BATTERY, BATTERY, POWER CONSUMPTION DEVICE, AND METHOD AND DEVICE FOR MANUFACTURING BATTERY**
[54] **BOITIER DE BATTERIE, BATTERIE, DISPOSITIF DE CONSOMMATION D'ENERGIE ET METHODE ET DISPOSITIF DE FABRICATION DE BATTERIE**
[72] YANG, PIAOPIAO, CN
[72] CHEN, XIAOBO, CN
[72] LI, YAO, CN
[72] GU, MINGGUANG, CN
[72] YUE, JINRU, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-02-05
[86] 2021-08-06 (PCT/CN2021/111151)
[87] (WO2023/010516)

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[13] A1
[51] **Int.Cl. A01K 1/12 (2006.01)**
[25] EN
[54] **ROTARY MILKING PARLOR ARRANGEMENT, COMPUTER-IMPLEMENTED METHOD, COMPUTER PROGRAM AND NON-VOLATILE DATA CARRIER**
[54] **AGENCEMENT DE SALLE DE TRAITE ROTATIVE, PROCEDE MIS EN ?UVRE PAR ORDINATEUR, PROGRAMME INFORMATIQUE ET SUPPORT DE DONNEES NON VOLATILE**
[72] LESNIAK, TOMASZ, SE
[71] DELAVAL HOLDING AB, SE
[85] 2024-02-05
[86] 2022-10-12 (PCT/SE2022/050923)
[87] (WO2023/063868)
[30] SE (2130274-0) 2021-10-12

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[54] **ISOLATION OF THERAPEUTIC PROTEIN**
[54] **ISOLEMENT DE PROTEINE THERAPEUTIQUE**
[72] ZHANG, QINGCHUN, US
[72] HE, LIDONG, US
[72] KROENKE, MARK, US
[72] ANGELL, NICOLAS H., US
[72] HAPUARACHCHI, SUMINDA, US
[71] AMGEN INC., US
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[54] **ANTI-PD-1 ANTIBODY PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE D'ANTICORPS ANTI-PD-1 ET SON UTILISATION**
[72] LIU, HONGCHUAN, CN
[72] LIU, PEIXIANG, CN
[72] DU, XIAOJIE, CN
[72] MENG, QIN, CN
[72] LIU, HUI, CN
[72] FENG, HUI, CN
[71] SHANGHAI JUNSHI BIOSCIENCES CO., LTD., CN
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[54] **PREDICTING PATIENT RESPONSE**
[54] **PREDICTION DE LA REPONSE D'UN PATIENT**
[72] LAHAV, COREN, IL
[72] SELA, ITAMAR, IL
[72] ELON, YEHONATAN, IL
[72] HAREL, MICHAL, IL
[72] JACOB, EYAL, IL
[71] ONCOHOST LTD., IL
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[86] 2022-08-11 (PCT/IL2022/050881)
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[54] **PREDICTIVE RESOURCE PLANNING AND OPTIMIZATION**
[54] **PLANIFICATION ET OPTIMISATION DES RESSOURCES PREDICTIVES**
[72] ZAHAN, SORINA ILEANA, US
[71] AIPERION LLC, US
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[54] **AERATED CONFECTIONERY**
[54] **CONFISERIE AEREE**
[72] CELIGUETA TORRES, ISABEL, GB
[72] LAZIDIS, ARISTODIMOS, GB
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR INTELLIGENT STRESS LEVEL DETECTION**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE DETECTION INTELLIGENTE DE NIVEAU DE CONTRAINTE**
[72] CHAPLIN, BORIS, US
[72] SMAAGARD, KYLE, US
[72] VANCIU, CHRIS, US
[72] MORGAN, DYLAN, US
[72] GORDON, PAUL, US
[72] GOODMANSON, THOMAS J., US
[72] MATSUI, MATT, US
[71] CALABRIO, INC., US
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[54] **DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES NUCLEOSIDES DEUTERES ET LEUR UTILISATION**
[72] LI, PENG, CN
[72] LI, XIAOLIN, CN
[72] YANG, YAXUN, CN
[72] LUO, ZHI, CN
[72] HE, HAIYING, CN
[72] CHEN, SHUHUI, CN
[71] MEDSHINE DISCOVERY INC., CN
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[25] EN
[54] **SWEETENER CONCENTRATE FORMULATIONS**
[54] **FORMULATIONS DE CONCENTRE D'EDULCORANT**
[72] TSIVION, DAVID, IL
[72] BITAN, LIRON, IL
[72] LAHAV, NAAMA, IL
[72] TRACHTENBERG, ALEXANDER, IL
[72] FATTAL, MORAN, IL
[71] DOUXMATOK LTD., IL
[85] 2024-02-05
[86] 2022-08-05 (PCT/IB2022/057310)
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[54] **IMAGE PROCESSING APPARATUS AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] TSUKUBA, TAKESHI, JP
[71] SONY CORPORATION, JP
[85] 2024-02-05
[86] 2022-09-14 (PCT/JP2022/034320)
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[54] **FORMULATIONS OF RADIPRODIL**
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[72] GENIN, MARIE, US
[72] MUGLIA, PIERANDREA, US
[71] GRIN THERAPEUTICS, INC., US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/039543)
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[25] EN
[54] **FIRE SUPPRESSION SYSTEM WITH ADVANCED DIAGNOSTICS**
[54] **SYSTEME D'EXTINCTION D'INCENDIE A DIAGNOSTIC AVANCE**
[72] TIMLER, JEFFREY R., US
[72] YODER, RAYMOND, US
[72] GIWOJNA, LUKE, US
[71] TYCO FIRE PRODUCTS LP, US
[85] 2024-02-05
[86] 2022-08-13 (PCT/IB2022/057582)
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[25] EN
[54] **CATION-INDEPENDENT MANNOSE-6-PHOSPHATE RECEPTOR BINDERS FOR TARGETED PROTEIN DEGRADATION**
[54] **LIANTS DU RECEPTEUR MANNOSE-6-PHOSPHATE INDEPENDANTS DES CATIONS POUR LA DEGRADATION CIBLEE DE PROTEINES**
[72] CALLEWAERT, NICO, BE
[72] NAESSENS, JUSTINE, BE
[72] VAN LANDUYT, LINDE, BE
[71] VIB VZM, BE
[71] UNIVERSITEIT GENT, BE
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[51] **Int.Cl. G06V 40/00 (2022.01) G06V 40/10 (2022.01) G06V 40/16 (2022.01)**
[25] EN
[54] **DETECTION OF SILENT SPEECH**
[54] **DETECTION DE PAROLE SILENCIEUSE**
[72] MAIZELS, AVIAD, IL
[72] BARLIYA, AVI, IL
[72] KORNBLAU, GIORA, IL
[72] WEXLER, YONATAN, IL
[71] Q (CUE) LTD., IL
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[25] EN
[54] **TAMPON INSERTION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'INSERTION DE TAMPON**
[72] KIGHT, ALISON, US
[72] ERICKSON, STEPHEN, US
[71] TINA HOLDINGS, LLC, US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/039617)
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[25] EN
[54] **CONNECTOR PIECE FOR AN ANAESTHETIC BREATHING CIRCUIT**
[54] **PIECE RACCORD POUR UN CIRCUIT RESPIRATOIRE ANESTHESIQUE**
[72] DUNLOP, COLIN, AU
[71] DUNLOP, COLIN, AU
[85] 2024-01-31
[86] 2022-08-04 (PCT/AU2022/050838)
[87] (WO2023/010172)
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[25] EN
[54] **ANAESTHETIC BREATHING CIRCUIT FOR SMALLER-SIZED MAMMALS**
[54] **CIRCUIT RESPIRATOIRE D'ANESTHESIE POUR MAMMIFERES DE PETITE TAILLE**
[72] DUNLOP, COLIN, AU
[71] DUNLOP, COLIN, AU
[85] 2024-01-31
[86] 2022-08-04 (PCT/AU2022/050840)
[87] (WO2023/010173)
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[25] EN
[54] **METHODS AND SYSTEMS FOR SELECTING ACTIONS FROM A SET OF ACTIONS TO BE PERFORMED IN AN ENVIRONMENT AFFECTED BY DELAYS**
[54] **PROCEDES ET SYSTEMES DE SELECTION D'ACTIONS DANS UN ENSEMBLE D'ACTIONS A EFFECTUER DANS UN ENVIRONNEMENT AFFECTE PAR DES RETARDS**
[72] PILARSKI, SEBASTIAN, CA
[72] PILARSKI, SLAWOMIR, US
[72] VARRO, DANIEL, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2024-01-31
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[25] EN
[54] **PRE-SHAPED ALLOGRAFT IMPLANT FOR RECONSTRUCTIVE SURGICAL USE AND METHODS OF MANUFACTURE AND USE, AND TOOLS FOR FORMING**
[54] **IMPLANT D'ALLOGREFFE PREFORME DESTINE A ETRE UTILISE EN CHIRURGIE RECONSTRUCTRIVE ET PROCEDES DE FABRICATION ET D'UTILISATION, ET OUTILS POUR FORMER UN TEL IMPLANT**
[72] KOCAK, ERGUN, US
[72] CASTILLO, LAUREN, US
[72] CHIESA, JEFFREY, US
[72] BLOOD, KENNETH, US
[72] STILWELL, REGINALD, US
[71] ALLOSOURCE, INC., US
[85] 2024-02-05
[86] 2022-08-30 (PCT/US2022/042058)
[87] (WO2023/034313)
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[54] **PERSONAL CARE CAPSULE MANUFACTURE AND STORAGE**
[54] **FABRICATION ET STOCKAGE DE CAPSULES DE SOINS PERSONNELS**
[72] HONG, MATTHEW J., US
[72] VILLACCI, JILL MARIE, US
[72] CHEN, RITA WEI-YU, US
[72] LECHANOINE, MARC EMILE, US
[72] CALVERT, TIMOTHY HUGH, US
[72] MATTAROCCIA, GIANLUCA, US
[71] ELC MANAGEMENT LLC, US
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[86] 2022-08-02 (PCT/US2022/039186)
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[25] EN
[54] **DOCUMENT MANAGEMENT METHOD AND DEVICE FOR SAME**
[54] **PROCEDE DE GESTION DE DOCUMENT ET DISPOSITIF ASSOCIE**
[72] JEONG, DO CHEON, KR
[71] JEONG, DO CHEON, KR
[85] 2024-02-05
[86] 2022-08-18 (PCT/KR2022/012336)
[87] (WO2023/022534)
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[30] KR (10-2022-0098877) 2022-08-08

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[25] EN
[54] **HYDROPHOBIC ADMIXTURE AND PROCESSES FOR MAKING SAME**
[54] **MELANGE HYDROPHOBE ET SES PROCEDES DE PREPARATION**
[72] DUMITRAS, ALAN, US
[72] VALE, RECHARLIS SOUZA DO, US
[72] SOTO, MATIAS, US
[71] DRYMAX GLOBAL LLC, US
[85] 2024-02-05
[86] 2022-08-08 (PCT/US2022/039733)
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[25] EN
[54] **INTRAVASCULAR BLOOD PUMP IN COMBINATION WITH CATHETER CONFIGURED TO CONTROL PUMP POSITION IN PATIENT'S HEART**
[54] **POMPE A SANG INTRAVASCULAIRE EN COMBINAISON AVEC UN CATHETER CONCU POUR COMMANDER LA POSITION DE LA POMPE DANS LE COUR D'UN PATIENT**
[72] SPANIER, GERD BRUNO, DE
[72] SCHUMACHER, JOERG, DE
[72] ZARINS, CHRISTOPHER, US
[72] D'AMBROSIO, RALPH LOUIS, US
[71] ABIOMED, INC., US
[85] 2024-02-05
[86] 2022-08-30 (PCT/US2022/042007)
[87] (WO2023/034279)
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[54] **COMPOSITIONS AND METHODS FOR DETECTING PROSTATE CANCER**
[54] **COMPOSITIONS ET METHODES DE DETECTION DU CANCER DE LA PROSTATE**
[72] HENAO, RICARDO, US
[72] ERICKSON, GEOFFREY, US
[72] VAN NESTE, LEANDER, US
[72] KASSIS, AMIN, US
[72] WOJNO, KIRK, US
[72] STYLLI, HARRY, US
[71] IMMUNIS.AI, INC., US
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[25] EN
[54] **INTRAVASCULAR LITHOPLASTY BALLOON SYSTEMS, DEVICES AND METHODS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE BALLONNET DE LITHOPLASTIE INTRAVASCULAIRE**
[72] BATCHELDER, SAM, US
[72] BALLARD, JOHN R., US
[72] BRENZEL, MICHAEL P., US
[72] THOME, ALEXANDER P., US
[71] NEXTERN INNOVATION, LLC, US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/074607)
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[30] US (17/454,574) 2021-11-11
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[30] US (17/454,667) 2021-11-12
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[54] **DIPHOSPHINE COMPOUNDS AND COMPLEXES**
[54] **COMPOSES ET COMPLEXES DE DIPHOSPHINE**
[72] MA, MICHELLE THERESE, GB
[72] HUNGNES, INGEBJORG NARVESTAD, GB
[72] RIVAS, CHARLOTTE, GB
[72] PHAM, TRUC THUY, GB
[72] PRINGLE, PAUL GERARD, GB
[72] NUTTALL, RACHEL ELIZABETH, GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2024-02-05
[86] 2022-08-10 (PCT/EP2022/072494)
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[30] GB (2111553.0) 2021-08-11

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[54] **TARGETING GPR65 FOR THE TREATMENT OF CANCER IN OVERWEIGHT AND OBESE INDIVIDUALS**
[54] **CIBLAGE DE GPR65 POUR LE TRAITEMENT DU CANCER CHEZ DES INDIVIDUS EN SURPOIDS ET OBESES**
[72] ENGLEMAN, EDGAR GEORGE, US
[72] BAGCHI, SREYA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-02-05
[86] 2022-08-18 (PCT/US2022/075126)
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[54] **COMPOSITION OF LIPID NANOPARTICLE CONTAINING VITIS VINIFERA EXTRACT, COSMETIC USES OF A COMPOSITION OF LIPID NANOPARTICLE CONTAINING VITIS VINIFERA EXTRACT, ANTIOXIDANT DERMOCOSMETIC PRODUCT AND FOR PREVENTING SKIN AGING AND SKIN CARE METHO**
[54] **COMPOSITION DE NANOPARTICULE LIPIDIQUE CONTENANT UN EXTRAIT DE VITIS VINIFERA, UTILISATIONS COSMETIQUES D'UNE COMPOSITION DE NANOPARTICULE LIPIDIQUE CONTENANT UN EXTRAIT DE VITIS VINIFERA, PRODUIT DERMO-COSMETIQUE ANTIOXYDANT ET DESTINE A LA PREVENTION DU VIEILLISSEMENT DE LA PEAU ET PROCEDE DE SOIN DE LA PEA**
[72] WERNECK GUIMARAES, CRISTIANO RUCH, BR
[72] RAVANELLI PESSA, LISANDRA, BR
[72] DRAGANI REIS, ROMULO, BR
[72] VIDAL MUSSI, SAMUEL, BR
[71] ACHE LABORATORIOS FARMACEUTICOS S.A., BR
[85] 2024-02-05
[86] 2022-07-20 (PCT/BR2022/050269)
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[30] BR (1020210154861) 2021-08-05

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[25] EN
[54] **METHOD AND COMPOSITIONS FOR TREATING ANIMAL VIRAL INFECTIONS**
[54] **METHODE ET COMPOSITIONS DE TRAITEMENT D'INFECTIONS VIRALES ANIMALES**
[72] NEWMAN, ROBERT A., US
[72] CHASE, CHRISTOPHER CIVILIAN LOUIS, US
[72] MATOS, JOSE R., US
[71] PHOENIX BIOTECHNOLOGY, INC., US
[85] 2024-02-05
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[30] US (63/233,578) 2021-08-16
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[54] **MEDICAL DECISION SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE DECISION MEDICALE**
[72] VERNALIS, MARINA, US
[72] BOOTH, BRIAN J., CA
[72] USTA, FATMA, CA
[72] TAJI, BAHAREH, CA
[72] GLOAG, DAVID, CA
[72] TELENKOV, SERGEY A., CA
[72] CASTELINO, ROBIN F., CA
[71] AUSCULSCIENCES, INC., US
[85] 2024-02-05
[86] 2021-08-05 (PCT/US2021/044854)
[87] (WO2022/032041)
[30] US (63/061,770) 2020-08-05
[30] US (63/062,424) 2020-08-06

[21] **3,228,043**
[13] A1
[51] **Int.Cl. A01G 31/00 (2018.01)**
[25] EN
[54] **CULTURE APPARATUS AND A CULTURE METHOD OF A PLANT WHOLE BODY, AND A MANUFACTURING METHOD OF THE CULTURE APPARATUS**
[54] **DISPOSITIF ET PROCEDE DE CULTURE DE PLANTES ENTIERES, ET PROCEDE DE FABRICATION DUDIT DISPOSITIF DE CULTURE**
[72] TANAKA, KUNISUKE, JP
[72] KINOSHITA, AKIRA, JP
[71] GCJ CO., LTD., JP
[85] 2024-02-05
[86] 2023-05-12 (PCT/JP2023/017980)
[87] (WO2024/009608)
[30] JP (2022-110478) 2022-07-08

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[13] A1
[51] **Int.Cl. E04B 1/12 (2006.01)**
[25] EN
[54] **MODULAR WALL APPARATUS AND METHOD OF USE**
[54] **APPAREIL DE PAROI MODULAIRE ET SON PROCEDE D'UTILISATION**
[72] O'KEEFFE, WILLIAM F., US
[72] REID, PETER, US
[71] O'KEEFFE'S, INC., US
[85] 2024-02-05
[86] 2022-08-12 (PCT/US2022/040225)
[87] (WO2023/018970)
[30] US (63/232,487) 2021-08-12

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[13] A1
[51] **Int.Cl. A61G 3/06 (2006.01) B60P 1/43 (2006.01)**
[25] EN
[54] **RAMP ASSEMBLY FOR A PASSENGER VEHICLE**
[54] **ENSEMBLE DE RAMPE POUR UN VEHICULE DE TOURISME**
[72] HARTSOCK, MASON, US
[72] MARTINDALE, NATE, US
[71] THE BRAUN CORPORATION, US
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039384)
[87] (WO2023/014860)
[30] US (63/229,653) 2021-08-05

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[13] A1
[51] **Int.Cl. B65G 1/133 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR LOADING, SHIFTING, AND STAGING OBJECTS IN AUTOMATED OR SEMI-AUTOMATED FASHION**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE CHARGEMENT, DE DECALAGE ET DE MISE EN PLACE D'OBJETS DE MANIERE AUTOMATISEE OU SEMI-AUTOMATISEE**
[72] GIL, JULIO, US
[72] FREEMAN, MALLORY, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039427)
[87] (WO2023/022889)
[30] US (63/234,149) 2021-08-17
[30] US (17/878,783) 2022-08-01
[30] US (17/878,802) 2022-08-01
[30] US (17/878,822) 2022-08-01

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[13] A1
[51] **Int.Cl. C07K 16/26 (2006.01)**
[25] EN
[54] **ANTI-CORTICOTROPIN-RELEASING HORMONE ANTIBODIES AND USE IN CONGENITAL ADRENAL HYPERPLASIA**
[54] **ANTICORPS ANTI-HORMONE DE LIBERATION DE LA CORTICOTROPINE ET UTILISATION DANS L'HYPERPLASIE CONGENITALE DES SURRENALES**
[72] MAJZOUB, JOSEPH A., US
[72] LIU, LILE, CN
[72] PAN, HONGJIE, US
[72] LV, QIANG, CN
[72] GROSVELD, FRANK, NL
[72] DRABEK, DUBRAVKA, NL
[72] VAN HAPEREN, RIEN, NL
[72] WANG, XIAOXIAO, CN
[72] HE, YUN, CN
[72] WANG, YONGQIANG, CN
[72] HUANG, JIN, US
[72] LEE, JUNG, US
[72] ZHAO, JIUQIAO, US
[71] HBM ALPHA THERAPEUTICS, INC., US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/074609)
[87] (WO2023/023452)
[30] US (63/234,130) 2021-08-17

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[13] A1
[51] **Int.Cl. A61G 3/06 (2006.01) B60P 1/43 (2006.01)**
[25] EN
[54] **CONVERTIBLE RAMP SYSTEM FOR A VEHICLE**
[54] **SYSTEME DE RAMPE CONVERTIBLE POUR VEHICULE**
[72] PETERSON, KENNETH, US
[72] BETTCHER, ROBERT, US
[72] TOWELS, CHAD, US
[71] THE BRAUN CORPORATION, US
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039378)
[87] (WO2023/014856)
[30] US (63/229,620) 2021-08-05

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[13] A1
[51] **Int.Cl. G16H 20/70 (2018.01) G06N 20/00 (2019.01) A61M 21/02 (2006.01)**
[25] EN
[54] **MULTI-SENSORY, ASSISTIVE WEARABLE TECHNOLOGY, AND METHOD OF PROVIDING SENSORY RELIEF USING SAME**
[54] **TECHNOLOGIE MULTI-SENSORIELLE D'ASSISTANCE PORTABLE, ET PROCEDE DE FOURNITURE D'UN SOULAGEMENT SENSORIEL L'UTILISANT**
[72] RUTTENBERG, DAVID, US
[71] PHOEB-X, INC., US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/039643)
[87] (WO2023/015013)
[30] US (63/229,963) 2021-08-05
[30] US (63/238,490) 2021-08-30

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[13] A1
[25] EN
[54] **WEARABLE BIOSENSOR DEVICE AND METHOD FOR DETECTION AND MEASURMENT OF BIO-MOLECULES AND BIO-PARTICLES**
[54] **DISPOSITIF BIOCAPTEUR PORTABLE ET PROCEDE DE DETECTION ET DE MESURE DE BIOMOLECULES ET DE BIOPARTICULES**
[72] SANATI-NEZHAD, AMIR, CA
[72] BAINS, JAIDEEP SINGH, CA
[72] SHAJARI, SHAGHAYEGH, CA
[72] SALAHANDISH, RAZIEH, CA
[72] ROSENEGGER, DAVID GEORGE, CA
[71] SENSESI TECHNOLOGY INC., CA
[85] 2024-02-05
[86] 2022-08-04 (PCT/CA2022/051189)
[87] (WO2023/010217)
[30] US (63/229,216) 2021-08-04

[21] **3,228,055**
[13] A1
[51] **Int.Cl. A61P 9/12 (2006.01)**
[25] EN
[54] **OSMOTIC PUMP CONTROLLED-RELEASE TABLET OF INSOLUBLE DRUG AND PREPARATION METHOD THEREFOR**
[54] **COMPRIME A LIBERATION CONTROLEE PAR POMPE OSMOTIQUE D'UN MEDICAMENT INSOLUBLE ET SON PROCEDE DE PREPARATION**
[72] LIU, YULING, CN
[72] WANG, HONGLIANG, CN
[72] LIU, ZHIHUA, CN
[72] SHENG, WEI, CN
[72] CHEN, LUXIAO, CN
[72] XU, XUEQING, CN
[72] CHEN, YANKUN, CN
[72] MA, RUI, CN
[71] BEIJING WEHAND-BIO PHARMACEUTICAL CO., LTD, CN
[85] 2024-02-05
[86] 2022-01-18 (PCT/CN2022/072568)
[87] (WO2023/015847)
[30] CN (202110906250.1) 2021-08-09

[21] **3,228,057**
[13] A1
[51] **Int.Cl. A61K 38/46 (2006.01)**
[25] EN
[54] **ENZYMATIC DEGRADATION OF POLYETHYLENE TEREPHTHALATE**
[54] **DEGRADATION ENZYMATIQUE DE POLYETHYLENE TEREPHTALATE**
[72] YANG, JIE, US
[72] ZHANG, XIYUN, US
[72] OO, KHIN, US
[72] BANERJEE, GOUTAMI, US
[71] BIOMETIS TECHNOLOGY, INC., US
[85] 2024-02-05
[86] 2022-08-11 (PCT/US2022/074866)
[87] (WO2023/019222)
[30] US (63/232,122) 2021-08-11

[21] **3,228,059**
[13] A1
[51] **Int.Cl. G10L 19/005 (2013.01)**
[25] EN
[54] **METHOD AND DEVICE FOR LIMITING OF OUTPUT SYNTHESIS DISTORTION IN A SOUND CODEC**
[54] **PROCEDE ET DISPOSITIF DE LIMITATION DE DISTORSION DE SYNTHESE DE SORTIE DANS UN CODEC SONORE**
[72] EKSLER, VACLAV, CZ
[71] VOICEAGE CORPORATION, CA
[85] 2024-02-05
[86] 2022-08-05 (PCT/CA2022/051199)
[87] (WO2023/015375)
[30] US (63/231,539) 2021-08-10

[21] **3,228,061**
[13] A1
[51] **Int.Cl. F03D 80/40 (2016.01)**
[25] EN
[54] **METHOD OF CALIBRATING A REFERENCE OF A WIND TURBINE**
[54] **PROCEDE D'ETALONNAGE D'UNE REFERENCE D'UNE EOLIENNE**
[72] PINTO FRUTUOSO, INES, DK
[72] MARCOS, GONCALO LUCAS, DK
[72] DUARTE PEREIRA, GONCALO ARTUR, DK
[72] NIELSEN, JOHNNY, DK
[71] VESTAS WIND SYSTEMS A/S, DK
[85] 2024-02-05
[86] 2022-08-04 (PCT/DK2022/050163)
[87] (WO2023/011696)
[30] DK (PA202170399) 2021-08-06

[21] **3,228,063**
[13] A1
[25] EN
[54] **RELAXED MEASUREMENT MODE OF OPERATION WHEN UE PERFORMS HIGH-PRIORITY ACTIONS**
[54] **MODE DE FONCTIONNEMENT DE MESURE RELACHE LORSQU'UN UE EFFECTUE DES ACTIONS DE HAUTE PRIORITE**
[72] BERGSTROM, MATTIAS, SE
[72] THANGARASA, SANTHAN, SE
[72] KAZMI, MUHAMMAD, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2024-02-05
[86] 2022-06-07 (PCT/SE2022/050553)
[87] (WO2023/014253)
[30] US (63/229,740) 2021-08-05

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[13] A1
[51] **Int.Cl. A61K 38/21 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **GPC3-TARGETED ANTIBODY INTERFERON .ALPHA. FUSION PROTEIN AND USE THEREOF**
[54] **PROTEINE DE FUSION INTERFERON ? D'ANTICORPS CIBLANT GPC3 ET UTILISATION CONNEXE**
[72] HE, KE, CN
[72] SONG, LIPING, CN
[72] FAN, YI, CN
[72] CHEN, YINGJIAO, CN
[71] SHANGHAI JMT-BIO TECHNOLOGY CO., LTD., CN
[85] 2024-02-05
[86] 2022-08-12 (PCT/CN2022/112278)
[87] (WO2023/016564)
[30] CN (202110926743.1) 2021-08-12

[21] **3,228,067**
[13] A1
[51] **Int.Cl. B21D 45/02 (2006.01)**
[25] EN
[54] **RAM SYSTEM AND KNOCK-OUT RAM ASSEMBLY FOR PROCESSING CONTAINERS**
[54] **SYSTEME DE VERIN ET ENSEMBLE VERIN EJECTEUR POUR LE TRAITEMENT DE CONTENANTS**
[72] MCKINNEY, LARRY D., US
[72] SHORTRIDGE, JEFFREY LEE, US
[71] BELVAC PRODUCTION MACHINERY, INC., US
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039489)
[87] (WO2023/014923)
[30] US (63/229,887) 2021-08-05

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[13] A1
[51] **Int.Cl. G10L 21/02 (2013.01)**
[25] EN
[54] **MULTI-SOURCE AUDIO PROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT AUDIO A SOURCES MULTIPLES**
[72] NIGHMAN, CHRISTOPHER CHARLES, US
[72] ROSENBOOM, GERRIT EIMBERTUS, US
[72] AGUILAR, ALFREDO MARTIN, US
[72] SKOGMO, MATTHEW GEORGE, US
[71] QSC, LLC, US
[85] 2024-02-05
[86] 2022-10-11 (PCT/US2022/077882)
[87] (WO2023/064750)
[30] US (63/254,901) 2021-10-12

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[13] A1
[51] **Int.Cl. A61K 31/201 (2006.01) A61K 31/131 (2006.01) A61K 31/133 (2006.01) A61K 31/19 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **ANTI-FUNGAL COMPOSITIONS**
[54] **COMPOSITIONS ANTIFONGIQUES**
[72] SWAIN, NICHOLAS PHILIP, CA
[72] TOEBES, JAN WILLEM (DECEASED), CA
[71] BIOCIDIUM IP HOLDCO, CO., CA
[85] 2024-02-05
[86] 2022-08-03 (PCT/CA2022/051183)
[87] (WO2023/010213)
[30] US (63/228,953) 2021-08-03

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[13] A1
[51] **Int.Cl. A24F 40/48 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **AIR-LIQUID EXCHANGE ELEMENT AND AEROSOL CARTRIDGE**
[54] **ELEMENT D'ECHANGE GAZ-LIQUIDE ET CARTOUCHE D'AEROSOL**
[72] WANG, LIPING, CN
[72] ZHOU, XINGFU, CN
[72] SHEN, DING, CN
[71] MICROPOROUS TECHNOLOGY (NINGBO) LIMITED, CN
[85] 2024-02-05
[86] 2021-11-18 (PCT/CN2021/131580)
[87] (WO2023/284214)
[30] CN (202110785450.6) 2021-07-12

[21] **3,228,072**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61N 1/32 (2006.01)**
[25] EN
[54] **ELECTRICAL APPLICATORS FOR APPLYING ENERGY TO TISSUE SURFACES OR REGIONS SUPERFICIAL TO THE SURFACE**
[54] **APPLICATEURS ELECTRIQUES POUR APPLIQUER DE L'ENERGIE A DES SURFACES DE TISSUS OU DES REGIONS SUPERFICIELLES PAR RAPPORT A LA SURFACE**
[72] MOSS, KEVIN L., US
[72] DANITZ, DAVID J., US
[72] CONNOLLY, RICHARD J., US
[72] WEILBACHER, KATHERINE P., US
[72] HINMAN, CAMERON D., US
[71] PULSE BIOSCIENCES, INC., US
[85] 2024-02-05
[86] 2022-08-08 (PCT/US2022/074666)
[87] (WO2023/019108)
[30] US (63/231,698) 2021-08-10

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[13] A1
[51] **Int.Cl. B23B 29/04 (2006.01) B23B 31/11 (2006.01)**
[25] EN
[54] **ATTACHMENT CONNECTOR MEMBER**
[54] **ELEMENT DE RACCORD DE FIXATION**
[72] D'ANDREA, ERMANNO, IT
[71] D'ANDREA SPA, IT
[85] 2024-02-05
[86] 2022-05-31 (PCT/EP2022/064759)
[87] (WO2023/011779)
[30] IT (102021000021272) 2021-08-05

[21] **3,228,074**
[13] A1
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING NANOPARTICLES FOR THE TARGETED DELIVERY OF ANTIGENS**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DES NANOPARTICULES POUR L'ADMINISTRATION CIBLEE D'ANTIGENES**
[72] FLEISCHER, SABINE, DE
[72] DIGIGOW, REINALDO, DE
[72] FANZUTTI, MARCO, DE
[72] MARQUES MESQUITA, LIGIA MARGARIDA, DE
[72] KRZIKALLA, DARIA, DE
[71] TOPAS THERAPEUTICS GMBH, DE
[85] 2024-02-05
[86] 2022-08-17 (PCT/EP2022/072984)
[87] (WO2023/021098)
[30] EP (21191798.4) 2021-08-17

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[13] A1
[51] **Int.Cl. H04L 41/0853 (2022.01) H04L 41/12 (2022.01)**
[25] FR
[54] **ARRAY OF LINEAR SENSORS WITH SELF-DISCOVERY**
[54] **RESEAU DE CAPTEURS LINEAIRES A AUTO-DECOUVERTE**
[72] GAUTIER, OLIVIER, FR
[72] GILLOT, OLIVIER, FR
[71] TTK, FR
[85] 2024-02-05
[86] 2023-06-13 (PCT/EP2023/065854)
[87] (WO2023/242219)
[30] FR (FR2205912) 2022-06-16

[21] **3,228,077**
[13] A1
[25] EN
[54] **COMPOSITION FOR PREVENTION OR TREATMENT OF LIVER CANCER, COMPRISING MODIFIED RT-LET7 AS ACTIVE INGREDIENT**
[54] **COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DU CANCER DU FOIE, COMPRENANT RT-LET7 MODIFIE COMME PRINCIPE ACTIF**
[72] NAM, SUK-WOO, KR
[72] YANG, HEE-DOO, KR
[71] NEORNAT, KR
[85] 2024-02-05
[86] 2022-07-29 (PCT/KR2022/011190)
[87] (WO2023/013990)
[30] KR (10-2021-0103567) 2021-08-06
[30] KR (10-2021-0140386) 2021-10-20
[30] KR (10-2022-0093739) 2022-07-28

[21] **3,228,078**
[13] A1
[51] **Int.Cl. B60N 2/60 (2006.01)**
[25] EN
[54] **AN AUTOMOBILE SEAT COVERING SYSTEM**
[54] **SYSTEME DE REVETEMENT DE SIEGE AUTOMOBILE**
[72] PRASSER, STEPHEN, AU
[72] PRASSER, JOAN, AU
[71] PRASSER, STEPHEN, AU
[71] PRASSER, JOAN, AU
[85] 2024-02-05
[86] 2022-10-12 (PCT/AU2022/051226)
[87] (WO2023/060307)
[30] AU (2021903274) 2021-10-12

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[13] A1
[51] **Int.Cl. G21C 3/64 (2006.01) G21C 21/14 (2006.01)**
[25] EN
[54] **HOMOGENIZED COATED PARTICLE DISPERSION FUEL AND PREPARATION METHOD THEREFOR**
[54] **COMBUSTIBLE A DISPERSION DE PARTICULES ENROBEES HOMOGENEISEES ET SON PROCEDE DE PREPARATION**
[72] ZHU, SIYANG, CN
[72] HE, KAI, CN
[72] JIANG, XIAOCHUAN, CN
[72] DONG, JIANHUA, CN
[72] ZHANG, SHUOTING, CN
[72] ZHANG, CHENGLONG, CN
[72] YAO, HONG, CN
[71] CHINA NUCLEAR POWER ENGINEERING CO., LTD., CN
[85] 2024-02-05
[86] 2021-12-29 (PCT/CN2021/142300)
[87] (WO2023/029317)
[30] CN (202111026524.4) 2021-09-02

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[13] A1
[51] **Int.Cl. A61K 51/10 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **RADIOCONJUGATES TARGETING CD33 IN THE TREATMENT OF CANCERS**
[54] **RADIOCONJUGUES CIBLANT CD33 DANS LE TRAITEMENT DE CANCERS**
[72] CHEN, MARY M., US
[72] DESAI, AVINASH, US
[72] LUDWIG, DALE L., US
[72] BERGER, MARK, US
[72] SETH, SANDESH, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2024-02-05
[86] 2022-08-26 (PCT/US2022/075506)
[87] (WO2023/015322)
[30] US (17/532,919) 2021-11-22

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[13] A1
[51] **Int.Cl. B65C 9/40 (2006.01)**
[25] EN
[54] **LABELING ASSEMBLY FOR CONTAINER LABELING MACHINES**
[54] **ENSEMBLE D'ETIQUETAGE POUR MACHINES D'ETIQUETAGE DE RECIPIENTS**
[72] BARDINI, RICCARDO, IT
[71] P.E. LABELLERS S.P.A., IT
[85] 2024-02-05
[86] 2022-09-02 (PCT/EP2022/074516)
[87] (WO2023/036713)
[30] IT (102021000023057) 2021-09-07

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[13] A1
[25] EN
[54] **FLUID FLOW PLATE**
[54] **PLAQUE A CIRCULATION DE FLUIDE**
[72] BROWN, COLIN DOUGLAS ARCHIBALD, GB
[72] PISAPIA, FRANCESCA, GB
[72] O'BRIEN, DONOVAN BENJAMIN, GB
[71] NEWCELLS BIOTECH LIMITED, GB
[85] 2024-02-05
[86] 2022-08-22 (PCT/GB2022/052166)
[87] (WO2023/026034)
[30] GB (2112237.9) 2021-08-26
[30] GB (2204371.5) 2022-03-28

[21] **3,228,083**
[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01) H04W 76/28 (2018.01) H04W 72/04 (2023.01)**
[25] EN
[54] **COMMUNICATION APPARATUS AND COMMUNICATION METHOD FOR ALLOCATING ONE OR MORE ADDITIONAL OPERATING WINDOWS FOR A SIDELINK SIGNAL**
[54] **APPAREIL DE COMMUNICATION ET PROCEDE DE COMMUNICATION POUR ATTRIBUER UNE OU PLUSIEURS FENETRES DE FONCTIONNEMENT SUPPLEMENTAIRES POUR UN SIGNAL DE LIAISON LATERALE**
[72] KANG, YANG, SG
[72] SUZUKI, HIDETOSHI, JP
[72] SIM, HONG CHENG MICHAEL, SG
[72] TRAN, XUAN TUONG, SG
[72] OGAWA, YOSHIHIKO, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2024-02-05
[86] 2022-07-18 (PCT/SG2022/050505)
[87] (WO2023/014285)
[30] SG (10202108650V) 2021-08-06

[21] **3,228,084**
[13] A1
[51] **Int.Cl. B62D 27/06 (2006.01)**
[25] EN
[54] **UNIVERSAL CHASSIS FRAME WITH VARIABLE REAR AXLE POSITIONS FOR MEDIUM/HEAVY DUTY CONFIGURABLE ELECTRIC TRUCKS**
[54] **CADRE DE CHASSIS UNIVERSEL A POSITIONS D'ESSIEU ARRIERE VARIABLES POUR CAMIONS ELECTRIQUES CONFIGURABLES DE POIDS MOYEN/LOURD**
[72] GRINSTEAD, ROBERT L., US
[71] ZEUS ELECTRIC CHASSIS, INC., US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/039638)
[87] (WO2023/015008)
[30] US (63/229,979) 2021-08-05

[21] **3,228,085**
[13] A1
[51] **Int.Cl. B60R 16/033 (2006.01) B60L 1/12 (2006.01)**
[25] EN
[54] **OPTIMIZED AC POWERED AUXILLIARY UNITS FOR MEDIUM/HEAVY DUTY CONFIGURABLE ELECTRIC TRUCKS**
[54] **UNITES AUXILLIAIRES OPTIMISEES ALIMENTEES EN COURANT ALTERNATIF POUR CAMIONS ELECTRIQUES CONFIGURABLES DE POIDS MOYEN/LOURD**
[72] GRINSTEAD, ROBERT L., US
[72] BRANDT, WILLIAM, US
[71] ZEUS ELECTRIC CHASSIS, INC., US
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/039639)
[87] (WO2023/015009)
[30] US (63/230,004) 2021-08-05

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[13] A1
[25] EN
[54] **INTEGRATED FENTON PROCESSES WITH CERAMIC MEMBRANE FILTRATION FOR WASTEWATER TREATMENT**
[54] **PROCEDE FENTON INTEGRES AVEC FILTRATION SUR MEMBRANE CERAMIQUE DE TRAITEMENT DES EAUX USEES**
[72] LEUNG, WAI ON, CN
[71] LEUNG, WAI ON, CN
[85] 2024-02-05
[86] 2022-10-25 (PCT/CN2022/127449)
[87] (WO2023/072097)
[30] HK (22021041119.9) 2021-10-25

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[25] EN
[54] **METHOD FOR OPERATING A NODE IN A RADIO NETWORK**
[54] **PROCEDE DE FONCTIONNEMENT D'UN N□UD DANS UN RESEAU RADIO**
[72] PETKOV, HRISTO, DE
[72] KAUPPERT, THOMAS, DE
[71] DIEHL METERING SYSTEMS GMBH, DE
[85] 2024-01-31
[86] 2022-08-19 (PCT/EP2022/073250)
[87] (WO2023/030930)
[30] DE (10 2021 122 872.7) 2021-09-03
[30] DE (10 2022 101 405.3) 2022-01-21

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[25] EN
[54] **SYSTEM AND METHOD FOR AUTOREGULATION DATA DETERMINATION**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE DONNEES DE REGULATION AUTOMATIQUE**
[72] BENNI, PAUL B., US
[72] ALBANESE, ANTONIO, US
[72] ALATHUR RANGARAJAN, ANUSHA, US
[72] AGUIRRE, ANDRES S., US
[72] SCHNEIDER, BRENNAN MICHAEL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-01-31
[86] 2022-04-19 (PCT/US2022/025386)
[87] (WO2022/231888)
[30] US (63/181,108) 2021-04-28

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[51] **Int.Cl. C09D 143/04 (2006.01) C08F 218/04 (2006.01)**
[25] EN
[54] **ONE PACK AMBIENT CURE CROSSLINKABLE COPOLYMERS OF VINYL BRANCHED ESTER AND VINYL SILANE COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS DE COPOLYMERES RETICULABLES PAR DURCISSEMENT A TEMPERATURE AMBIANTE A UN SEUL COMPOSANT D'ESTER VINYLIQUE RAMIFIE ET DE VINYLSILANE ET LEUR UTILISATION**
[72] STEINBRECHER, CHRISTOPHE, BE
[72] BOULET, LAURE, BE
[72] HEYMANS, DENIS, BE
[72] HAVEAUX, NATHALIE, BE
[71] HEXION INC., US
[85] 2024-01-31
[86] 2022-08-26 (PCT/EP2022/000080)
[87] (WO2023/036456)
[30] EP (21075009.7) 2021-09-08
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01)**
[25] EN
[54] **EMBEDDED SENSOR IMPLANT DEVICES**
[54] **DISPOSITIFS D'IMPLANT DE CAPTEUR INTEGRES**
[72] AMEFIA, KOKOU ANANI, US
[72] MAHMOUDI, RANI ABDULLAH, US
[72] VALDEZ, MICHAEL G., US
[72] HINZMAN, JULIE ANN, US
[72] CHANG, ARVIN T., US
[72] MCCONNELL, STEVEN, US
[72] RABBAH, JEAN-PIERRE MICHEL, US
[72] POOL, SCOTT LOUIS, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[25] EN
[54] **PRODUCING HIGH PURITY HYDROGEN AND CARBON MONOXIDE FROM A HYDROCARBON MATERIAL**
[54] **PRODUCTION DE MONOXYDE DE CARBONE ET D'HYDROGENE DE HAUTE PURETE A PARTIR D'UN MATERIAU HYDROCARBONE**
[72] ZHANG, JIPING, US
[72] SHEEDER, JONATHAN DAVID, US
[72] SCHLEICHER, ROBERT, US
[72] OPPERMAN, JONAS, US
[71] GENERAL ATOMICS, US
[85] 2024-01-31
[86] 2022-08-12 (PCT/US2022/040219)
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[30] US (17/402,487) 2021-08-13

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[51] **Int.Cl. B65G 43/08 (2006.01) B65G 47/70 (2006.01) B65G 47/71 (2006.01) G06M 7/00 (2006.01)**
[25] EN
[54] **VISION SENSOR INFEED SYSTEM**
[54] **SYSTEME D'ALIMENTATION DE CAPTEUR DE VISION**
[72] LASKIS, JON PAUL, US
[72] NUNN, J. MARK, US
[72] RYAN, WAYNE J., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2024-01-31
[86] 2022-08-08 (PCT/US2022/039698)
[87] (WO2023/015029)
[30] US (63/230,306) 2021-08-06
[30] US (17/882,121) 2022-08-05

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[51] **Int.Cl. A61K 31/36 (2006.01) A61K 45/06 (2006.01) B64C 27/26 (2006.01) B64C 27/24 (2006.01) B64C 27/28 (2006.01) B64C 27/52 (2006.01)**
[25] EN
[54] **VERTICAL TAKE-OFF AND LANDING CRAFT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DECOLLAGE ET D'ATTERRISSAGE VERTICAUX**
[72] HEIRONIMUS, WILLIAM KYLE, US
[72] WANG, BRIAN, US
[72] CHUNG, STEPHEN, US
[72] GONZALEZ, LUIS, US
[72] CHEN, TONY LI JUNG, US
[71] SUPERNAL, LLC, US
[85] 2024-01-31
[86] 2022-07-29 (PCT/US2022/074357)
[87] (WO2023/015146)
[30] US (63/203,822) 2021-07-31
[30] US (63/333,966) 2022-04-22

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[51] **Int.Cl. G06V 30/412 (2022.01) G06V 30/18 (2022.01) G06V 30/226 (2022.01) G06V 30/414 (2022.01) G06Q 90/00 (2006.01)**
[25] EN
[54] **HANDWRITING RECOGNITION PIPELINES FOR GENEALOGICAL RECORDS**
[54] **PIPELINES DE RECONNAISSANCE D'ECRITURE MANUSCRITE POUR ENREGISTREMENTS GENEALOGIQUES**
[72] YU, YEN-YUN, US
[72] MURAHARI, KALYAN CHAKRAVARTHI, US
[72] FUJIMOTO, MASAKI STANLEY, US
[72] BURDETT, ERIC GLEN, US
[72] VENI, GOPALKRISHNA, US
[72] MOGHTADERI, AZADEH, US
[72] GODFREY, ROBERT, US
[72] CHEN, SITENG, US
[72] REESE, JACK, US
[72] ANDERSON, JESS, US
[71] ANCESTRY.COM OPERATIONS INC., US
[85] 2024-01-09
[86] 2022-07-08 (PCT/IB2022/056310)
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[30] US (63/220,241) 2021-07-09
[30] US (63/314,780) 2022-02-28
[30] US (63/325,905) 2022-03-31
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[51] **Int.Cl. B60T 13/74 (2006.01) F16D 55/227 (2006.01) F16D 65/18 (2006.01)**
[25] EN
[54] **ELECTRIC DISC BRAKE SYSTEM**
[54] **SYSTEME DE FREIN A DISQUE ELECTRIQUE**
[72] LARSON, BLAKE, US
[72] MEYER, BRENDEN, US
[72] MORELAND, DILLON, US
[72] MUEHLEMAN, FRANK CORMIER, US
[72] RUDDER, SAMUEL WING, US
[72] SKROVE, TANNER NICHOLAS, US
[71] TRP INTERNATIONAL LLC, US
[85] 2024-01-31
[86] 2022-08-09 (PCT/US2022/074680)
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[30] US (63/230,896) 2021-08-09

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[51] **Int.Cl. H02J 50/10 (2016.01) B60L 53/12 (2019.01) B60L 53/126 (2019.01) B60L 53/38 (2019.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND DEVICES FOR INDUCTIVE CHARGING OF VEHICLE BATTERIES**
[54] **PROCEDES, SYSTEMES ET DISPOSITIFS DE CHARGE INDUCTIVE DE BATTERIES DE VEHICULE**
[72] METIVET, NICOLAS, FR
[72] HOMBERT, ANTOINE, FR
[72] ZOURAQ, BRAHIM AZZABI, FR
[72] DEHEM, PATRICK, FR
[71] ENERSYS DELAWARE INC., US
[85] 2024-01-31
[86] 2022-08-11 (PCT/US2022/074796)
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[30] EP (21306116.1) 2021-08-12

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[13] A1
[51] **Int.Cl. C08L 33/24 (2006.01) C08F 20/18 (2006.01) C08F 220/56 (2006.01) C07F 5/02 (2006.01)**
[25] EN
[54] **ULTRA-HIGH MOLECULAR WEIGHT POLYMERS AND METHODS OF USING THE SAME**
[54] **POLYMERES A POIDS MOLECULAIRE ULTRA ELEVE ET LEURS PROCEDES D'UTILISATION**
[72] DAVIDSON, CULLEN L., US
[72] SAWYER, WALLACE G., US
[72] SUMERLIN, BRENT S., US
[72] URUENA VARGAS, JUAN M., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2024-01-31
[86] 2022-08-30 (PCT/US2022/075616)
[87] (WO2023/034765)
[30] US (63/239,027) 2021-08-31

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **ROAD SURFACE TECHNICAL CONDITION DETECTION METHOD AND DEVICE BASED ON THREE-DIMENSIONAL CONTOUR**
[54] **PROCEDE ET DISPOSITIF DE DETECTION D'ETAT TECHNIQUE DE SURFACE DE ROUTE REPOSANT SUR UN CONTOUR TRIDIMENSIONNEL**
[72] CAO, MIN, CN
[72] LIN, HONG, CN
[72] WANG, XINLIN, CN
[72] QU, XUAN, CN
[72] WANG, YUQIANG, CN
[72] GAO, CHAO, CN
[72] CHEN, QI, CN
[72] XING, XUKAI, CN
[71] WUHAN OPTICS VALLEY ZOYON SCIENCE AND TECHNOLOGY CO., LTD., CN
[85] 2024-01-19
[86] 2022-04-07 (PCT/CN2022/085612)
[87] (WO2023/045299)
[30] CN (202111129138.8) 2021-09-26

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[13] A1
[51] **Int.Cl. A01N 41/06 (2006.01) A01N 25/32 (2006.01) A01N 43/653 (2006.01) A01N 47/38 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **COMBINATIONS OF TRIAZOLINONE HERBICIDES WITH SAFENERS**
[54] **COMBINAISONS D'HERBICIDES A BASE DE TRIAZOLINONE AVEC DES PHYTOPROTECTEURS**
[72] LENZ, GIUVAN, BR
[72] RAO, GANESH, IN
[72] POLLET, JEAN-PHILLIPE, GB
[71] UPL CORPORATION LIMITED, MU
[71] UPL MAURITIUS LIMITED, MU
[71] UPL EUROPE LTD, GB
[85] 2024-01-31
[86] 2022-08-02 (PCT/GB2022/052029)
[87] (WO2023/012468)
[30] EP (21306085.8) 2021-08-03

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[13] A1
[51] **Int.Cl. G06F 3/12 (2006.01) G06K 15/02 (2006.01)**
[25] EN
[54] **METHOD AND PRODUCT FOR SYNTHESISING PRINT DATA AND PROVIDING THE SAME TO A PRINTER**
[54] **PROCEDE ET PRODUIT DE SYNTHESE DE DONNEES D'IMPRESSION ET DE FOURNITURE A UNE IMPRIMANTE**
[72] STOLL, THOMAS, IT
[71] DURST GROUP AG, IT
[85] 2024-01-31
[86] 2022-09-09 (PCT/EP2022/025420)
[87] (WO2023/066512)
[30] IT (102021000026552) 2021-10-18

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[13] A1
[51] **Int.Cl. G01N 21/65 (2006.01)**
[25] EN
[54] **OPTICAL-FIBER RAMAN PHOTOMETER, CONSTRUCTION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **PHOTOMETRE RAMAN A FIBRE OPTIQUE, SON PROCEDE DE CONSTRUCTION ET SON APPLICATION**
[72] TIAN, YANG, CN
[72] LIU, ZHICHAO, CN
[71] EAST CHINA NORMAL UNIVERSITY, CN
[85] 2024-02-01
[86] 2022-08-04 (PCT/CN2022/110235)
[87] (WO2023/011582)
[30] CN (202110901738.5) 2021-08-06

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SUBCUTANEOUS UNIT DOSAGE FORMS**
[54] **FORMES POSOLOGIQUES UNITAIRES SOUS-CUTANEES**
[72] VAN BRAGT, ANTOINETTA JACOBA MARIA, BE
[72] ULRICHTS, PETER, BE
[72] HOFMAN, ERIK, BE
[72] VERHEESEN, PETER, BE
[71] ARGENX BV, BE
[85] 2024-01-31
[86] 2022-08-02 (PCT/IB2022/000443)
[87] (WO2023/012515)
[30] US (63/203,856) 2021-08-02

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[13] A1
[51] **Int.Cl. A01N 43/12 (2006.01) A01N 25/32 (2006.01) A01N 43/42 (2006.01) A01N 43/56 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **USE OF COMPOSITIONS WITH ETHOFUMESATE AND BIXLOZONE IN WHEAT CROPS**
[54] **UTILISATION DE COMPOSITIONS COMPRENANT DE L'ETHOFUMESATE ET DE LA BIXLOZONE DANS DES CULTURES DE BLE**
[72] AULER, THOMAS, DE
[72] TOSSENS, HERVE, BE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2024-01-31
[86] 2022-07-28 (PCT/EP2022/071265)
[87] (WO2023/012037)
[30] EP (21189245.0) 2021-08-02

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[13] A1
[51] **Int.Cl. E04G 11/48 (2006.01) E04G 11/50 (2006.01) E04G 25/04 (2006.01)**
[25] EN
[54] **GRID BEAM SYSTEM FOR SLAB FORMWORK**
[54] **SYSTEME DE POUTRE DE GRILLE POUR COFFRAGE DE DALLE**
[72] ROUTH, ANIBRATA, IN
[72] ARUN, KS, IN
[72] RAO, CNVS, IN
[72] SHARANAPPA, A., IN
[72] RATHOD, ANKUSH, IN
[71] PERI SE, DE
[85] 2024-01-31
[86] 2022-08-03 (PCT/IB2022/057182)
[87] (WO2023/012675)
[30] IN (202111034969) 2021-08-03
[30] IN (202111049578) 2021-10-29
[30] IN (202211011077) 2022-03-01

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[13] A1
[51] **Int.Cl. C21D 1/00 (2006.01) C21D 1/30 (2006.01) C21D 1/32 (2006.01) C21D 8/02 (2006.01) C21D 8/04 (2006.01) C21D 8/06 (2006.01) C21D 9/46 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/12 (2006.01) C22C 38/14 (2006.01) C21D 6/00 (2006.01) C22C 38/18 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01)**
[25] EN
[54] **ALLOYED STEEL**
[54] **ACIER ALLIE**
[72] MIDDLETON, AARON JOHN, CH
[71] VANTAGE ALLOYS AG, CH
[85] 2024-02-01
[86] 2021-10-06 (PCT/EP2021/077627)
[87] (WO2023/057062)

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[13] A1
[51] **Int.Cl. A61F 2/07 (2013.01) H02J 50/10 (2016.01) A61B 5/02 (2006.01) A61B 17/12 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61N 1/378 (2006.01)**
[25] EN
[54] **RESTRICTION DEVICE**
[54] **DISPOSITIF DE RESTRICTION**
[72] FORSELL, PETER, SE
[71] IMPLANTICA PATENT LTD., SE
[85] 2024-02-01
[86] 2022-08-26 (PCT/EP2022/073860)
[87] (WO2023/031066)
[30] EP (PCT/EP2021/073893) 2021-08-30
[30] SE (2250189-4) 2022-02-18

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[51] **Int.Cl. B01D 11/02 (2006.01) A23L 27/10 (2016.01)**
[25] EN
[54] **EXTRACTION**
[54] **EXTRACTION**
[72] NICOLA, MAZIN, GB
[71] 113 BOTANICALS LIMITED, GB
[85] 2024-02-01
[86] 2022-08-12 (PCT/GB2022/052115)
[87] (WO2023/031579)
[30] GB (2112506.7) 2021-09-02

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[13] A1
[51] **Int.Cl. B66F 7/04 (2006.01)**
[25] EN
[54] **VERTICAL HANDLING PLATFORM FOR MOTOR VEHICLES.**
[54] **PLATEFORME DE MANUTENTION VERTICALE POUR VEHICULES AUTOMOBILES**
[72] ROSSATO, ORIETTA, IT
[71] O.ME.R. S.P.A., IT
[85] 2024-02-01
[86] 2022-07-27 (PCT/IB2022/056925)
[87] (WO2023/012596)
[30] IT (102021000020900) 2021-08-03

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[13] A1
[51] **Int.Cl. G01F 1/66 (2022.01) B01D 50/20 (2022.01) B01D 46/10 (2006.01) B01D 46/24 (2006.01) G01F 1/68 (2006.01) G01F 1/684 (2006.01) G01F 1/69 (2006.01) G01F 1/704 (2006.01) G01F 15/12 (2006.01) G01F 15/14 (2006.01)**
[25] EN
[54] **AN IMPROVED GAS METER**
[54] **COMPTEUR DE GAZ AMELIORE**
[72] TIMIS, GABRIEL, IT
[72] VIANELLO, MARIO, IT
[72] GHIDINA, MARCELLO, IT
[72] CARLET, MICHELE, IT
[72] MEME, LORENZO, IT
[71] PIETRO FIORENTINI S.P.A., IT
[85] 2024-02-01
[86] 2022-08-03 (PCT/IB2022/057211)
[87] (WO2023/012692)
[30] IT (102021000021254) 2021-08-05

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[13] A1
[51] **Int.Cl. G01F 1/66 (2022.01) G01F 1/667 (2022.01) G01F 1/7082 (2022.01) G01F 1/7084 (2022.01) G01F 1/7086 (2022.01) G01F 1/40 (2006.01) G01F 1/684 (2006.01) G01F 1/692 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING A FLUID**
[54] **DISPOSITIF DE MESURE DE FLUIDE**
[72] CAODURO, NICOLA, IT
[72] ZAMPIERI, NEVIO, IT
[71] PIETRO FIORENTINI S.P.A., IT
[85] 2024-01-31
[86] 2022-08-04 (PCT/IB2022/057265)
[87] (WO2023/012720)
[30] IT (102021000021431) 2021-08-06

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[13] A1
[51] **Int.Cl. C02F 5/14 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED PHOSPHONATES, AND WATER-SOLUBLE SALTS AND N-OXIDE DERIVATIVES THEREOF, AND METHOD OF USE THEREOF AS SCALE INHIBITOR**
[54] **PHOSPHONATES FONCTIONNALISES, ET SELS SOLUBLES DANS L'EAU ET LEURS DERIVES N-OXYDE, ET LEUR PROCEDE D'UTILISATION COMME INHIBITEUR DE TARTRE**
[72] HUANG, CHUN TE, BR
[72] BISATTO, RUBENS, BR
[72] FIEGENBAUM, FERNANDA, BR
[72] WOLF, CARLOS RODOLFO, BR
[71] DORF KETAL BRASIL LTDA, BRAZIL, BR
[85] 2024-01-31
[86] 2022-08-10 (PCT/IB2022/057463)
[87] (WO2023/021375)
[30] IN (202111036917) 2021-08-14

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[13] A1
[51] **Int.Cl. B65D 5/32 (2006.01) B65D 75/36 (2006.01)**
[25] EN
[54] **CONTAINER FOR PRODUCT**
[54] **CONTENEUR POUR PRODUIT**
[72] CANNON, WILLIAM MICHAEL, US
[72] PRITCHARD, RANCE KYNDALL, US
[72] WEBER, GRACE ELIZABETH, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-02-06
[86] 2022-09-22 (PCT/US2022/076824)
[87] (WO2023/049778)
[30] US (63/246,824) 2021-09-22

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[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **HAIRPIN NUCLEIC ACID COMPOSITION**
[54] **COMPOSITION D'ACIDE NUCLEIQUE EN EPINGLE A CHEVEUX**
[72] OKAMOTO, AKIMITSU, JP
[72] MORIHIRO, KUNIHIKO, JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2024-01-31
[86] 2022-06-30 (PCT/JP2022/026323)
[87] (WO2023/013329)
[30] JP (2021-128492) 2021-08-04

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[13] A1
[51] **Int.Cl. D21C 5/00 (2006.01) D21B 1/02 (2006.01) D21B 1/16 (2006.01) D21C 9/10 (2006.01) D21C 9/18 (2006.01) D21D 5/02 (2006.01) D21H 11/08 (2006.01)**
[25] EN
[54] **A METHOD, USE OF THE SAME, A PULP COMPOSITION, AND A SYSTEM**
[54] **PROCEDE, UTILISATION ASSOCIEE, COMPOSITION DE PATE, ET SYSTEME ASSOCIE**
[72] NIKAMAA, MIKKO, FI
[71] METSA BOARD OYJ, FI
[85] 2024-02-01
[86] 2022-08-17 (PCT/FI2022/050535)
[87] (WO2023/021243)
[30] FI (20215861) 2021-08-17

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[13] A1
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[54] **THERAPEUTICS AND METHOD FOR TREATING OSTEOARTHRITIS**
[54] **AGENTS THERAPEUTIQUES ET PROCEDE DE TRAITEMENT DE L'OSTEOARTHRITE**
[72] GRIMES, REID, US
[71] CALOSYN PHARMA INC., US
[85] 2024-02-06
[86] 2022-08-08 (PCT/US2022/039755)
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[54] **METHOD FOR PREVENTING DEFORMATION OF RESIN-MADE AGROCHEMICAL CONTAINER**
[54] **PROCEDE POUR EMPECHER LA DEFORMATION D'UN RECIPIENT DE PESTICIDE EN PLASTIQUE**
[72] KOBAYASHI, YUSUKE, JP
[71] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2024-01-31
[86] 2022-08-08 (PCT/JP2022/030312)
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[30] JP (2021-131666) 2021-08-12

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[54] **CATHETER A BALLONNET**
[72] UEDA, SHODAI, JP
[72] YAGI, TAKAHIRO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2024-01-31
[86] 2022-08-31 (PCT/JP2022/032770)
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[25] EN
[54] **A METHOD, USES OF THE SAME, A PULP COMPOSITION, AND A SYSTEM**
[54] **PROCEDE, UTILISATIONS DE CELUI-CI, COMPOSITION DE PATE ET SYSTEME**
[72] NIKAMAA, MIKKO, FI
[71] METSA BOARD OYJ, FI
[85] 2024-02-01
[86] 2022-08-17 (PCT/FI2022/050536)
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[25] EN
[54] **PROCESSES FOR PRODUCING REACTION PRODUCTS OF POLYISOBUTYLENE AND AN ETHYLENICALLY UNSATURATED ACYLATING AGENT**
[54] **PROCEDES DE PRODUCTION DE PRODUITS DE REACTION DE POLYISOBUTYLENE ET D'UN AGENT D'ACYLATION ETHYLENIQUEMENT INSATURE**
[72] PIKE, PHILIP W., US
[72] PARMAR, DIXIT, GB
[72] PROUST, NICOLAS, US
[72] GUO, BINBIN, US
[72] JOHNSON, JOHN R., US
[72] SHORT, AMY L., US
[72] WILLIAMSON, ALLISON M., US
[72] ARMBRECHT, JOSHUA, US
[72] NEWBY, PATRICK, US
[72] WOLLENBERG, KURT F., US
[71] THE LUBRIZOL CORPORATION, US
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[86] 2022-08-05 (PCT/US2022/039500)
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[25] EN
[54] **HYDROGEN SUPPLY SYSTEM, HYDROGEN-CONSUMING PLANT PROVIDED WITH HYDROGEN SUPPLY SYSTEM, AND METHOD FOR SUPPLYING HYDROGEN TO HYDROGEN-CONSUMING UNIT**
[54] **SYSTEME D'ALIMENTATION EN HYDROGENE, INSTALLATION DE CONSOMMATION D'HYDROGENE POURVUE D'UN SYSTEME D'ALIMENTATION EN HYDROGENE, ET PROCEDE D'ALIMENTATION EN HYDROGENE D'UN DISPOSITIF DE CONSOMMATION D'HYDROGENE**
[72] FURUICHI, HIROYUKI, JP
[72] YAMAMOTO, SATOSHI, JP
[72] KOMADA, SO, JP
[72] KATSUME, TADASHI, JP
[72] YOSHIDA, KAORI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2024-01-31
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[54] **METERED DOSE INHALER WITH MOUTHPIECE EXTENSION**
[54] **AEROSOL-DOSEUR A EXTENSION D'EMBOUT BUCCAL**
[72] MCCAIN, AISHA, US
[72] SHEETS, ANNEMARIE, US
[71] CREATE TO OVERCOME LLC, US
[85] 2024-02-06
[86] 2022-08-08 (PCT/US2022/039725)
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[54] **RF COIL ASSEMBLIES**
[54] **ENSEMBLES BOBINES RF**
[72] CHMIELEWSKI, THOMAS, US
[72] KOENIG, STEVEN, US
[71] VIEWRAY TECHNOLOGIES, INC., US
[85] 2024-02-01
[86] 2022-08-03 (PCT/IB2022/057231)
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[54] **TISSUE ABLATION GUIDED BY ELECTRICAL IMPEDANCE SPECTROSCOPY**
[54] **ABLATION DE TISSU GUIDEE PAR SPECTROSCOPIE D'IMPEDANCE ELECTRIQUE**
[72] PAZ, ADRIAN, IL
[72] BEN DAAT, NADAV, IL
[72] GAMUS, BENNY, IL
[71] FOCAL MEDICAL TECHNOLOGY LTD, IL
[85] 2024-02-01
[86] 2022-09-12 (PCT/IL2022/050987)
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[54] **SECONDARY BATTERY CAPACITY ESTIMATION SYSTEM**
[54] **SYSTEME D'ESTIMATION DE CAPACITE DE BATTERIE SECONDAIRE**
[72] MUNAKATA, ICHIRO, JP
[72] IGARI, SHUNTARO, JP
[72] TANNO, SATOSHI, JP
[72] SHOJI, HIDEKI, JP
[71] TOYO SYSTEM CO., LTD., JP
[85] 2024-01-31
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[51] **Int.Cl. A61M 5/14 (2006.01) A61M 5/19 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
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[54] **DUAL-BARREL INJECTOR AND ASSOCIATED SYSTEMS AND METHODS**
[54] **INJECTEUR A DOUBLE CYLINDRE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] VARANASI, KRIPA K., US
[72] JAYAPRAKASH, VISHNU, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-02-01
[86] 2022-04-11 (PCT/US2022/024234)
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[13] A1
[51] **Int.Cl. H02M 7/48 (2007.01)**
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[54] **A MULTILEVEL ELECTRIC POWER CONVERTER**
[54] **CONVERTISSEUR DE PUISSANCE ELECTRIQUE A NIVEAUX MULTIPLES**
[72] SHARIFZADEH, MOHAMMAD, CA
[72] AL-HADDAD, KAMAL, CA
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
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[54] **EXPANDABLE SHEATH**
[54] **GAINE EXTENSIBLE**
[72] SHITRIT, ROY, IL
[72] DAVIDESKO, AMIR, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **DECIPHERING OF DETECTED SILENT SPEECH**
[54] **DECHIFFREMENT DE PAROLE SILENCIEUSE DETECTEE**
[72] MAIZELS, AVIAD, IL
[72] BARLIYA, AVI, IL
[72] KORNBLAU, GIORA, IL
[72] WEXLER, YONATAN, IL
[72] GAZIT, DORON, IL
[71] Q (CUE) LTD., IL
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[25] EN
[54] **LOWER CARBOHYDRATE SOUP PRODUCT AND PROCESS FOR PREPARING A LOWER CARBOHYDRATE SOUP PRODUCT**
[54] **PRODUIT DE SOUPE A FAIBLE TENEUR EN GLUCIDE ET PROCEDE DE PREPARATION D'UN PRODUIT DE SOUPE A FAIBLE TENEUR EN GLUCIDE**
[72] BURCKARD, COLBY, US
[72] FUDGE, JAMES, US
[72] GOEDEKEN, DOUG L., US
[72] HUBER, JEFFREY T., US
[72] JAMES, ERIN, US
[72] MULFINGER, TAYLOR C., US
[72] WHITMAN, SCOTT K., US
[71] GENERAL MILLS INC., US
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[54] **CELLULOSE FIBRES**
[54] **FIBRES DE CELLULOSE**
[72] KETTLEWELL, GRAEME, GB
[72] WYNN-JONES, GARETH, GB
[72] FINNEGAN, SIMON MARTIN, GB
[72] KING, EWA, GB
[71] SPECIALITY FIBRES AND MATERIALS LIMITED, GB
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[30] GB (2111503.5) 2021-08-10

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[51] **Int.Cl. A61M 5/178 (2006.01) G06T 7/11 (2017.01) G06T 7/12 (2017.01) G06T 7/13 (2017.01) G06T 7/33 (2017.01) G06T 7/50 (2017.01) G16H 20/17 (2018.01) G06V 10/25 (2022.01) G06V 10/75 (2022.01) A61M 5/315 (2006.01) G01B 11/22 (2006.01) G01F 11/02 (2006.01) G01F 23/292 (2006.01) G01N 21/11 (2006.01) G06T 7/00 (2017.01) A61M 5/158 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **APPARATUSES, SYSTEMS AND METHODS FOR PLUNGER-STOPPER DEPTH MEASUREMENT IN PRE-FILLED SYRINGES**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE MESURE DE PROFONDEUR DE BOUCHON DE PISTON DANS DES SERINGUES PRE-REMPLIES**
[72] FINE, JORDAN RAY, US
[72] PEARSON, THOMAS CLARK, US
[72] MILNE, GRAHAM F., US
[71] AMGEN INC., US
[85] 2024-02-01
[86] 2022-09-28 (PCT/US2022/045008)
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[51] **Int.Cl. F15B 15/22 (2006.01) F16F 9/49 (2006.01)**
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[54] **PISTON AND CYLINDER DEVICE WITH STROKE CUSHIONING**
[54] **DISPOSITIF A PISTON ET CYLINDRE AVEC AMORTISSEMENT DE COURSE**
[72] BOHNER, STEPHAN E., CA
[72] KROPINIEWICZ, ROBERT, CA
[71] HYDRA DYNE TECHNOLOGY INC., CA
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[54] **LIGHT WEIGHT CERAMIC AGGREGATES MADE BY AGGLOMERATING CERAMIC FIBERS**
[54] **AGREGATS DE CERAMIQUE LEGERS FABRIQUES PAR AGGLOMERATION DE FIBRES CERAMIQUES**
[72] DECKER, JENS, US
[71] UNIFRAX I LLC, US
[85] 2024-02-06
[86] 2022-08-24 (PCT/US2022/075386)
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[25] EN
[54] **RAIL BASED MOBILITY SYSTEMS AND METHODS OF INSTALLATION AND USE**
[54] **SYSTEMES DE MOBILITE BASES SUR DES RAILS ET PROCEDES D'INSTALLATION ET D'UTILISATION**
[72] GEARHART, JACOB KELLER, US
[71] GEARHART, JACOB KELLER, US
[85] 2024-02-01
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[25] EN
[54] **A TRANSDERMAL PATCH FOR DELIVERING A COBALAMIN VITAMIN AND A FABRICATION METHOD THEREOF**
[54] **TIMBRE TRANSDERMIQUE POUR L'ADMINISTRATION D'UNE VITAMINE DE COBALAMINE ET SON PROCEDE DE FABRICATION**
[72] GHOLAMSHAHBAZI, NASIM, IR
[72] RAMYAR, MAHMOOD, IR
[71] NANO TAR PAK, IR
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[51] **Int.Cl. B60L 53/60 (2019.01) B60L 53/63 (2019.01) B60L 53/65 (2019.01)**
[25] EN
[54] **ELECTRIC VEHICLE CHARGE SCHEDULING AND MANAGEMENT USING FLEET-BASED TELEMETRY**
[54] **PLANIFICATION ET GESTION DE CHARGE DE VEHICULE ELECTRIQUE AU MOYEN D'UNE TELEMETRIE BASEE SUR UNE FLOTTE**
[72] APPELBAUM, JASON, US
[72] PASSMORE, JOHN LOREN, US
[71] EVERCHARGE, INC., US
[85] 2024-02-06
[86] 2022-08-02 (PCT/US2022/039129)
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[30] US (63/231,610) 2021-08-10
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[25] EN
[54] **PROTEASE INHIBITORS FOR THE TREATMENT OF CORONAVIRUS INFECTIONS**
[54] **INHIBITEURS DE LA PROTEASE POUR LE TRAITEMENT D'INFECTIONS A CORONAVIRUS**
[72] CHATTERJEE, ARNAB K., US
[72] CHEN, JIAN JEFFREY, US
[72] NAKATH, ELSHAN, US
[72] RAHIMI, ALIREZA, US
[72] GUPTA, ANIL KUMAR, US
[72] GRABOVYI, GENNADII, US
[72] WILSON, KATY, US
[72] GHORAI, SOURAV, US
[72] NAZARIAN, ARMEN, US
[72] PEDROARENA, JAMES, US
[72] MAZUMDAR, WRICKBAN, US
[72] WEISS, FRANK, US
[72] SONG, LIRUI, US
[72] BAKOWSKI, MALINA A., US
[72] RIVA, LAURA, US
[72] WOLFF, KAREN, US
[72] MCNAMARA, CASE W., US
[72] ROGERS, THOMAS F., US
[72] MALVIN, JACQUELINE, US
[72] LI, SHUANGWEI, US
[72] JOSEPH, SEAN, US
[72] WOODS, ASHLEY, US
[72] LIU, YUYIN, US
[72] OKWOR, NEECHI, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[86] 2022-06-10 (PCT/US2022/033069)
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[25] EN
[54] **RECOMBINANT BACTERIA ENGINEERED TO TREAT DISEASES ASSOCIATED WITH METHIONINE METABOLISM AND METHODS OF USE THEREOF**
[54] **BACTERIES RECOMBINANTES GENETIQUEMENT MODIFIEES POUR TRAITER DES MALADIES ASSOCIEES AU METABOLISME DE LA METHIONINE ET PROCEDES D'UTILISATION ASSOCIES**
[72] CARLIN, DYLAN ALEXANDER, US
[72] ISABELLA, VINCENT M., US
[72] MCMURRY, JONATHAN, US
[72] MOORE, THEODORE CARLTON III, US
[72] PERREAULT, MYLENE, US
[72] RITTER, SETH, US
[72] SCHMIDT, NATHAN, US
[72] SIMON, MARK, US
[71] SYNLOGIC OPERATING COMPANY, INC., US
[71] GINKGO BIOWORKS, INC., US
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[86] 2022-08-11 (PCT/US2022/074826)
[87] (WO2023/019198)
[30] US (63/231,773) 2021-08-11
[30] US (63/281,178) 2021-11-19
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[30] US (63/326,323) 2022-04-01
[30] US (63/355,819) 2022-06-27

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[25] EN
[54] **METHOD FOR DRIVING ELECTROPHORETIC DISPLAY DEVICE**
[54] **PROCEDE DE COMMANDE D'UN DISPOSITIF D'AFFICHAGE ELECTROPHORETIQUE**
[72] LIN, CRAIG, US
[72] ZHENG, XIAOLONG, US
[71] E INK CORPORATION, US
[85] 2024-02-01
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[25] EN
[54] **METHODS OF IDENTIFYING, SELECTING, AND PRODUCING ANTHRACNOSE STALK ROT RESISTANT CROPS**
[54] **PROCEDES D'IDENTIFICATION, DE SELECTION ET DE PRODUCTION DE CULTURES RESISTANTES A LA POURRITURE DE LA TIGE CAUSEE PAR L'ANTHRACNOSE**
[72] DELEON, ALYSSA MARIE, US
[72] FENGLER, KEVIN A., US
[72] JUNG, MARK TIMOTHY, US
[72] TABOR, GIRMA M., US
[72] THATCHER, SHAWN, US
[72] WOLTERS, PETRA J., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **POLYMORPHES AYANT UNE ACTIVITE PESTICIDE**
[72] BETORI, RICK, US
[72] GARIZI, NEGAR, US
[72] LARSEN, PAUL, US
[72] LIU, JINGLIN, US
[72] TRULLINGER, TONY, US
[72] WEBB, NICOLA, US
[72] WESSELS, FRANK, US
[72] SANE, NEERAJ, US
[72] SKELTON, JENNIFER, US
[71] CORTEVA AGRISCIENCE LLC, US
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[87] (WO2023/015135)
[30] US (63/228,910) 2021-08-03
[30] US (63/368,548) 2022-07-15

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[54] **CONNECTING COMPONENT AND SYSTEM FOR SHUTTERING A WALL ELEMENT**
[54] **ELEMENT DE LIAISON ET SYSTEME DE COFFRAGE D'UN ELEMENT DE PAROI**
[72] HAEBERLE, WILFRIED, DE
[71] PERI SE, DE
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[54] **GEOLOGIC VELOCITY MODELING FRAMEWORK**
[54] **CADRE DE MODELISATION DE VITESSE GEOLOGIQUE**
[72] MIZUNO, TAKASHI, US
[72] LE CALVEZ, JOEL, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[86] 2022-08-04 (PCT/US2022/074508)
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[54] **COVER BOARD WITH REINFORCING LAYER**
[54] **PANNEAU DE RECOUVREMENT COMPRENANT UNE COUCHE DE RENFORCEMENT**
[72] JONES, JASON, US
[72] WILLOUGHBY, KENNETH LLOYD, US
[72] LEM, PAUL C., US
[72] YU, LINGTAO, US
[72] NGUYEN, TRIEU, US
[71] BMIC, LLC, US
[85] 2024-02-06
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[25] EN
[54] **FORMWORK SYSTEM FOR A WALL ELEMENT, COMPRISING A FREE-STANDING FRAME SECTION**
[54] **SYSTEME DE COFFRAGE POUR UN ELEMENT MURAL, COMPRENANT UNE PARTIE CADRE AUTOPORTANTE**
[72] SCHNEIDER, WERNER, DE
[72] STECK, TOBIAS, DE
[72] KRALL, STEFFEN, DE
[71] PERI SE, DE
[85] 2024-02-02
[86] 2022-08-04 (PCT/EP2022/071944)
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[54] **NUT RETAINING DEVICE AND RELATED METHODS**
[54] **DISPOSITIF DE RETENUE D'ECROU ET PROCEDES ASSOCIES**
[72] MARC, DAMIEN JACKY, FR
[72] VECCHIO, JOCELYN ELIE AUGUSTE, FR
[72] YAHIAOUI, NABIL, FR
[71] JPB SYSTEME, FR
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[25] EN
[54] **FORMWORK SYSTEM FOR A WALL ELEMENT, COMPRISING A COMBINATION OF FORMWORK AND A FRAME SECTION**
[54] **SYSTEME DE COFFRAGE D'UN ELEMENT DE PAROI COMPRENANT UN ENSEMBLE CONSTITUE D'UN COFFRAGE ET D'UNE PARTIE TREILLIS**
[72] SCHNEIDER, WERNER, DE
[72] STECK, TOBIAS, DE
[72] KRALL, STEFFEN, DE
[71] PERI SE, DE
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[54] **PROCESS FOR PREPARING CRESOL FROM DITOLYLETHER**
[54] **PROCEDE DE PREPARATION DE CRESOL A PARTIR DE DITOLYLETHER**
[72] SPRENGER, PAUL, DE
[72] KAESE, THOMAS, DE
[72] HALLE, OLAF, DE
[72] QUELLA, HANS-JURGEN, DE
[72] GILLESSEN, EILEEN, DE
[72] KARTHAUS, JURGEN, DE
[72] NOTHEIS, ULRICH, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
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[54] **CORRUGATED FILTER MEDIA**
[54] **MILIEU FILTRANT ONDULE**
[72] MEIER, JOERG, DE
[72] GRAEBER, MARKUS, DE
[71] JOHNS MANVILLE, US
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[25] EN
[54] **TOPICAL COMPOSITIONS OF 2-PHENYL-3,4-DIHYDROPYRROLO[2,L-F] [1,2,4]TRIAZINONE DERIVATIVES AND USES THEREOF**
[54] **COMPOSITIONS TOPIQUES DE DERIVES DE 2-PHENYL-3,4-DIHYDROPYRROLO[2,L-F][1,2,4]TRIAZINONE ET LEURS UTILISATIONS**
[72] TENOR, HERMANN, CH
[72] LUDIN, CHRISTIAN, CH
[72] BOUVET, RAPHAEL, CH
[72] CRACOWSKI, JEAN LUC, CH
[71] TOPADUR PHARMA AG, DE
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[54] **USE OF SPORE OF CLOSTRIDIUM GHONII IN COMBINATION WITH PEMBROLIZUMAB**
[54] **UTILISATION DE SPORES DE CLOSTRIDIUM GHONII EN COMBINAISON AVEC DU PEMBROLIZUMAB**
[72] WANG, YONG, CN
[72] ZHU, HONG, CN
[72] ZHANG, WENHUA, CN
[72] XING, YANQIU, CN
[72] WANG, DAN, CN
[72] LIU, YUANYUAN, CN
[72] WANG, SHAOPENG, CN
[72] ZHENG, JIAHUI, CN
[72] ZHANG, RONG, CN
[72] LI, XIAONAN, CN
[72] XU, XINGLU, CN
[72] JIANG, SHENGBIAO, CN
[72] XING, LICHAO, CN
[72] GAO, YUXIA, CN
[72] SHAO, SHILI, CN
[72] HAN, TING, CN
[71] SHIHUIDA PHARMACEUTICAL GROUP (JILIN) CO., LTD., CN
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[54] **NORME DE GLYCOPROFILAGE DE PROTEINES**
[72] TKAC, JAN, SK
[72] BERTOK, TOMAS, SK
[71] GLYCANOSTICS S.R.O., SK
[85] 2024-02-06
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[54] **PIVOT AND PULL-OUT FITTING FOR A CORNER CABINET**
[54] **FERRURE PIVOTANTE ET COULISSANTE POUR ENCOIGNURE**
[72] UFFMANN, AXEL, DE
[72] WIENS, JOHANN, DE
[71] NINKAPLAST GMBH, DE
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[54] **INTEGRATED PROCESS FOR THE PRODUCTION OF POLYHYDROXYALKANOATES AND BIOETHANOL FROM LIGNOCELLULOSE HYDROLYZATE**
[54] **PROCEDE INTEGRE POUR LA PRODUCTION DE POLYHYDROXYALCANOATES ET DE BIOETHANOL A PARTIR D'HYDROLYSAT LIGNOCELLULOSIQUE**
[72] RODIGHIERO, VALENTINA, IT
[72] ERCOLE, ALESSIA, IT
[72] RIVA, DANIELE, IT
[72] DEL SEPPIA, ALESSANDRO, IT
[72] PRANDO, TOMMASO, IT
[72] FRATTINI, ALESSANDRA, IT
[71] VERSALIS S.P.A., IT
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[25] EN
[54] **ENGINEERING OF GAMMA DELTA T CELLS AND COMPOSITIONS THEREOF**
[54] **INGENIERIE DE LYMPHOCYTES T GAMMA DELTA ET COMPOSITIONS ASSOCIEES**
[72] KOVACS, ISTVAN, GB
[71] GAMMADELTA THERAPEUTICS LTD, GB
[85] 2024-02-02
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[25] EN
[54] **BIOCONTROL AGENT AND METHOD FOR REDUCING THE OCCURRENCE AND IMPACTS OF APHANOMYCES EUTEICHES**
[54] **AGENT DE LUTTE BIOLOGIQUE ET PROCEDE POUR REDUIRE L'APPARITION ET LES IMPACTS D'APHANOMYCES EUTEICHES**
[72] KRAUSE, MATTHEW, US
[71] DANSTAR FERMENT AG, CH
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[86] 2022-07-29 (PCT/IB2022/057093)
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[54] **ULTRA LOW-POWER WIRELESS EMI MEASUREMENT**
[54] **MESURE D'INTERFERENCES ELECTROMAGNETIQUES SANS FIL A TRES FAIBLE PUISSANCE**
[72] RAGHUNATHAN, NITHIN, US
[72] LU, NA, US
[72] SARAVADE, VISHAL, US
[72] SILVA, ENRIQUE, US
[71] PURDUE RESEARCH FOUNDATION, US
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[25] EN
[54] **MULTI-LAYER FILM, COVER MATERIAL, ITS USE AND METHOD OF MANUFACTURE**
[54] **FILM MULTICOUCHE, MATERIAU DE REVETEMENT, SON UTILISATION ET SON PROCEDE DE FABRICATION**
[72] MAUSER, MATTHIAS, DE
[71] LOPAREX GERMANY GMBH & CO. KG, DE
[85] 2024-02-06
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[25] EN
[54] **METHOD OF DETERMINING SKIN AGING**
[54] **PROCEDE POUR DETERMINER LE VIEILLISSEMENT DE LA PEAU**
[72] KAUR, SIMARNA, US
[72] BRUN, CECILIA, FR
[72] ODDOS, THIERRY, FR
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2024-02-02
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[25] EN
[54] **ARTICLES, SYSTEMS, AND METHODS FOR THE INJECTION OF VISCOUS FLUIDS**
[54] **ARTICLES, SYSTEMES ET PROCEDES POUR L'INJECTION DE FLUIDES VISQUEUX**
[72] VARANASI, KRIPA K., US
[72] JAYAPRAKASH, VISHNU, US
[72] RUFER, SIMON, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-02-02
[86] 2022-04-11 (PCT/US2022/024218)
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[54] **HANDS-FREE LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE MAINS LIBRES**
[72] GAMBLE, WYNN WOODALL, US
[72] MAASDORP, CHASE, US
[71] SMARTSTALL LLC, US
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[86] 2022-08-09 (PCT/US2022/074725)
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[25] EN
[54] **ANTI-GLYCO-MUC4 ANTIBODIES AND THEIR USES**
[54] **ANTICORPS ANTI-GLYCO-MUC4 ET LEURS UTILISATIONS**
[72] WANDALL, HANS, US
[72] SCHNABEL, JULIA, US
[72] TAN, EDWIN, US
[72] MORSE JR., RICHARD JOHNSON, US
[72] GROEN, AARON, US
[71] GO THERAPEUTICS, INC., US
[85] 2024-02-01
[86] 2022-08-04 (PCT/US2022/039390)
[87] (WO2023/014863)
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[54] **TARGETED DELIVERY OF THERAPEUTIC ENZYMES**
[54] **ADMINISTRATION CIBLEE DE FERMENTS THERAPEUTIQUES**
[72] SHUKUROV, RAKHIM RAKHMANKULYYEVICH, RU
[72] KHAMITOV, RAVIL AVGATOVICH, RU
[72] SHUSTER, ALEKSANDR MIKHAILOVICH, RU
[72] RESHETNIK, ELIZAVETA VYACHESLAVOVNA, RU
[71] JOINT-STOCK COMPANY "GENERIUM", RU
[85] 2024-02-06
[86] 2022-08-17 (PCT/RU2022/050251)
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[25] EN
[54] **ANTIBIOTIC PYRAZINOTHIAZINE DERIVATIVES AND PROCESS OF PREPARATION THEREOF**
[54] **DERIVES DE PYRAZINOTHIAZINES ANTIBIOTIQUES ET LEUR PROCEDE DE PREPARATION**
[72] PEER MOHAMED, SHAHUL HAMEED, IN
[72] KAJIPALYA RANGANATHA RAO, RANGA RAO, IN
[72] BHARATHAM, NAGAKUMAR, IN
[72] KATAGIHALLI MATH, NAINESH, IN
[72] SHARMA, SREEVALLI, IN
[72] NANDISHAIAH, RADHA, IN
[72] RAMACHANDRAN, VASANTHI, IN
[71] BUGWORKS RESEARCH INDIA PVT LTD, IN
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[51] **Int.Cl. H04W 76/00 (2018.01) H04M 3/493 (2006.01)**
[25] EN
[54] **COMMUNICATION METHOD, DATA CHANNEL ESTABLISHMENT METHOD, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE COMMUNICATION, PROCEDE D'ETABLISSEMENT DE CANAL DE DONNEES, DISPOSITIF, ET SUPPORT DE STOCKAGE**
[72] ZHANG, XIN, CN
[72] ZHENG, JIANPING, CN
[72] YAN, DI, CN
[72] HU, YUE, CN
[72] PANG, YAKUN, CN
[72] LI, YING, CN
[72] LIU, CHEN, CN
[72] CAI, YALI, CN
[72] LI, JI, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
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[25] EN
[54] **ELECTROLYTIC CELL FOR POLYMER ELECTROLYTE MEMBRANE ELECTROLYSIS AND METHOD FOR THE PRODUCTION THEREOF**
[54] **CELLULE ELECTROLYTIQUE POUR ELECTROLYSE A MEMBRANE ELECTROLYTIQUE POLYMERE ET SON PROCEDE DE PRODUCTION**
[72] KLINGER, ANDRE, DE
[72] MUSAYEV, YASHAR, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2024-02-02
[86] 2022-06-08 (PCT/EP2022/065490)
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[51] **Int.Cl. H04S 7/00 (2006.01) G10K 15/12 (2006.01)**
[25] EN
[54] **DETERMINING VIRTUAL AUDIO SOURCE POSITIONS**
[54] **DETERMINATION DE POSITIONS DE SOURCE AUDIO VIRTUELLE**
[72] KOPPENS, JEROEN GERARDUS HENRICUS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-02-02
[86] 2022-07-26 (PCT/EP2022/070876)
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[54] **CODING HYBRID MULTI-VIEW SENSOR CONFIGURATIONS**
[54] **CONFIGURATIONS DE CAPTEURS MULTI-VUES HYBRIDES DE CODAGE**
[72] VAREKAMP, CHRISTIAAN, NL
[72] KROON, BART, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-02-02
[86] 2022-08-01 (PCT/EP2022/071492)
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[30] EP (21190128.5) 2021-08-06

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[51] **Int.Cl. B01D 35/12 (2006.01) C10J 3/48 (2006.01) C10J 3/72 (2006.01) C10K 1/02 (2006.01)**
[25] EN
[54] **SMALL-SCALE CLEAN FUEL GAS PRODUCTION SYSTEM USING FLEXIBLE FUEL GASIFICATION**
[54] **SYSTEME DE PRODUCTION DE GAZ COMBUSTIBLE PROPRE A PETITE ECHELLE METTANT EN OEUVRE UNE GAZEIFICATION DE COMBUSTIBLE FLEXIBLE**
[72] MERTZIS, DIMITRIOS, GR
[72] TSIAKMAKIS, STEFANOS, GR
[72] SAMARAS, ZISIS, GR
[71] TECHNOLOGIES VIO-ENERGEIAS IDIOTIKI KEFALAIOUCHIKI ETAIREIA (BIO2CHP I.K.E.), GR
[85] 2024-02-02
[86] 2022-07-21 (PCT/EP2022/070472)
[87] (WO2023/011932)
[30] GR (20210100526) 2021-08-02

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[51] **Int.Cl. G06F 16/25 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INGESTING DATA IN DISPARATE FORMATS**
[54] **SYSTEMES ET PROCEDES POUR INGERER DES DONNEES DANS DES FORMATS DISPARATES**
[72] RUPANAGUDI, RUKMANGADAD REDDY, US
[71] OPTX SOLUTIONS, LLC, US
[85] 2023-12-29
[86] 2022-06-24 (PCT/US2022/035029)
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[30] US (17/364,312) 2021-06-30

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[51] **Int.Cl. F16L 9/12 (2006.01) F16L 9/128 (2006.01)**
[25] EN
[54] **PIPE FOR TRANSPORTING A FLUID, INSULATED PIPE WITH SUCH, AND METHOD FOR MANUFACTURING A PIPE**
[54] **TUYAU POUR TRANSPORTER UN FLUIDE, TUYAU ISOLE AVEC CELUI-CI ET PROCEDE DE FABRICATION DE TUYAU**
[72] LACH, JAROSLAW, CH
[72] SHINDLER, ZIV, IL
[72] GRUNER, EYAL, IL
[71] GOLAN PLASTIC PRODUCTS LTD., IL
[85] 2024-02-06
[86] 2021-08-09 (PCT/EP2021/072166)
[87] (WO2023/016624)

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[25] EN
[54] **REUSABLE BREW BASKET AND BREWING MACHINE ASSEMBLY**
[54] **PANIER D'INFUSION REUTILISABLE ET ENSEMBLE MACHINE D'INFUSION**
[72] ALDOUS, TANIA, US
[72] LEPINSKE, JASON, US
[72] BRUNNER, TYLER, US
[72] HARVEY, TRAVIS, US
[72] WODKA, DANIEL M., US
[71] INSTANT BRANDS HOLDINGS INC., US
[85] 2024-02-06
[86] 2022-08-01 (PCT/US2022/039001)
[87] (WO2023/033965)
[30] US (63/239,725) 2021-09-01
[30] US (63/241,887) 2021-09-08

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[13] A1
[51] **Int.Cl. A01N 25/28 (2006.01) A01N 43/653 (2006.01)**
[25] EN
[54] **AGROCHEMICAL COMPOSITION**
[54] **COMPOSITION AGROCHIMIQUE**
[72] MUELLER, JAN OLE, DE
[72] KREMZOW-GRAW, DORIS, DE
[72] RUDE, JANINE, DE
[72] BENTELE, JOACHIM, DE
[72] BACHMANN, STEPHAN JAN, DE
[72] SCHADE, CHRISTIAN, DE
[72] BLANAZS, ADAM, DE
[72] SOWA, CHRISTIAN, DE
[72] ANNAWALD, MARCUS, DE
[71] BASF SE, DE
[85] 2024-02-06
[86] 2022-08-10 (PCT/EP2022/072416)
[87] (WO2023/017068)
[30] EP (21190962.7) 2021-08-12

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[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01) A61K 8/98 (2006.01) A61K 35/16 (2015.01) A61K 35/28 (2015.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ISOLATING EXTRACELLULAR VESICLES**
[54] **DISPOSITIF ET PROCEDE POUR ISOLER DES VESICULES EXTRACELLULAIRES**
[72] KATAKOWSKI, MARK, US
[72] HOZESKA-SOLGOT, ANN, US
[71] FOREVER LABS, INC., US
[85] 2024-02-06
[86] 2022-08-23 (PCT/US2022/041168)
[87] (WO2023/028031)
[30] US (63/236,643) 2021-08-24

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[13] A1
[51] **Int.Cl. E21B 10/567 (2006.01) B23K 26/0622 (2014.01) B23K 1/005 (2006.01) B23K 26/00 (2014.01) B23K 26/40 (2014.01)**
[25] EN
[54] **GRAPHENE-BASED FLUID SYSTEM COMPONENT**
[54] **COMPOSANT DE SYSTEME DE FLUIDE A BASE DE GRAPHENE**
[72] MARYA, MANUEL, US
[72] ZOLFAGHARI, ALIREZA, US
[72] KARUPPOOR, SRINAND SREEDHARAN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-02-02
[86] 2022-07-21 (PCT/US2022/037776)
[87] (WO2023/014505)
[30] US (17/444,327) 2021-08-03

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[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **PYRIMIDINE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES DE PYRIMIDINE ET LEUR UTILISATION**
[72] CHANG, JANG-YANG, TW
[72] SHEN, MENG-RU, TW
[72] SHIA, KAK-SHAN, TW
[72] WU, CHIEN-HUANG, TW
[71] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[71] NATIONAL CHENG KUNG UNIVERSITY, TW
[85] 2024-02-02
[86] 2022-07-29 (PCT/US2022/038878)
[87] (WO2023/014611)
[30] US (63/228,586) 2021-08-02

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[13] A1
[51] **Int.Cl. F16B 13/08 (2006.01) F16B 13/04 (2006.01) F16B 5/00 (2006.01)**
[25] EN
[54] **CONSTRUCTION CONNECTOR HAVING FASTENER RECEIVER**
[54] **CONNECTEUR DE CONSTRUCTION AYANT UN RECEPTEUR D'ELEMENT DE FIXATION**
[72] BREKKE, STEVEN, US
[71] MITEK HOLDINGS, INC., US
[85] 2024-02-02
[86] 2022-08-02 (PCT/US2022/039106)
[87] (WO2023/014674)
[30] US (63/228,349) 2021-08-02

[21] **3,228,213**
[13] A1
[51] **Int.Cl. B32B 7/022 (2019.01) B32B 25/04 (2006.01) B32B 25/08 (2006.01) B32B 27/08 (2006.01)**
[25] EN
[54] **ABRASION-RESISTANT COMPOSITE**
[54] **COMPOSITE RESISTANT A L'ABRASION**
[72] ADELSON, EDWARD H., US
[72] COTTRELL, F. RICHARD, US
[71] GELSIGHT, INC., US
[85] 2024-02-02
[86] 2022-08-02 (PCT/US2022/039138)
[87] (WO2023/014693)
[30] US (63/228,279) 2021-08-02

[21] **3,228,214**
[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/68 (2017.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATE INTERMEDIATE COMPRISING SN38 AND PREPARATION METHOD THEREFOR**
[54] **INTERMEDIAIRE CONJUGUE ANTICORPS-MEDICAMENT COMPRENANT SN38 ET PROCEDE DE PREPARATION ASSOCIE**
[72] HUANG, CHANGJIANG, CN
[72] XIONG, JIUKAI, CN
[72] YAN, XINXIN, CN
[72] YU, HONGXIA, CN
[71] MABPLEX INTERNATIONAL CO., LTD., CN
[85] 2024-02-06
[86] 2022-11-01 (PCT/CN2022/128912)
[87] (WO2023/078230)
[30] CN (202111285580.X) 2021-11-02

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[13] A1
[51] **Int.Cl. A23L 3/3571 (2006.01) C07K 14/335 (2006.01)**
[25] EN
[54] **MANGANESE SCAVENGING LACTOBACILLI AND USES THEREOF**
[54] **LACTOBACILLES PIEGEANT LE MANGANESE ET LEURS UTILISATIONS**
[72] SIEDLER, SOLVEJ, DK
[72] RAU, MARTIN HOLM, DK
[72] BOSMA, ELLEKE, DK
[72] BOGUTA, ANNA, DK
[71] CHR. HANSEN A/S, DK
[85] 2024-02-06
[86] 2022-08-26 (PCT/EP2022/073776)
[87] (WO2023/025936)
[30] EP (21193288.4) 2021-08-26

[21] **3,228,216**
[13] A1
[51] **Int.Cl. G01F 23/263 (2022.01)**
[25] EN
[54] **REMOVABLE SIGNALLING DEVICE OF THE EXHAUSTION OF A DISPENSER/DIFFUSER OF LIQUID ACTIVE SUBSTANCES**
[54] **DISPOSITIF AMOVIBLE DE SIGNALISATION D'EPUISEMENT DE DISTRIBUTEUR/DIFFUSEUR DE SUBSTANCES ACTIVES LIQUIDES**
[72] DEFLORIAN, STEFANO, IT
[72] MORHAIN, CEDRIC, IT
[71] ZOBELE HOLDING S.P.A., IT
[85] 2024-02-06
[86] 2022-08-31 (PCT/IB2022/058164)
[87] (WO2023/031816)
[30] IT (102021000022706) 2021-09-01

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[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/04 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **MEDICAL CONNECTORS**
[54] **CONNECTEURS MEDICAUX**
[72] NELSON, DAVID, US
[72] HUGHES, CHRISTOPHER JAMES, US
[71] ICU MEDICAL, INC., US
[85] 2024-02-02
[86] 2022-08-02 (PCT/US2022/039183)
[87] (WO2023/014720)
[30] US (63/228,982) 2021-08-03

[21] **3,228,220**
[13] A1
[51] **Int.Cl. C07D 261/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE ISOXAZOLINE COMPOUND**
[54] **PROCEDE DE PREPARATION D'UN COMPOSE D'ISOXAZOLINE OPTIQUEMENT ACTIF**
[72] GRIBKOV, DENIS, CH
[72] MILNER, HARRY JOHN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-02-06
[86] 2022-08-26 (PCT/EP2022/073855)
[87] (WO2023/031061)
[30] EP (21193759.4) 2021-08-30

[21] **3,228,221**
[13] A1
[25] EN
[54] **METHODS OF TREATING COPPER METABOLISM-ASSOCIATED DISEASES OR DISORDERS**
[54] **METHODES DE TRAITEMENT DE MALADIES OU DE TROUBLES ASSOCIES AU METABOLISME DU CUIVRE**
[72] MELTZER, BRIAN, US
[72] SWENSON, EUGENE SCOTT, US
[72] PAN, WEI-JIAN, US
[72] MOSELEY, SCOTT EDWARD, US
[72] PELTO, RYAN, US
[72] QUICQUARO, ADAM, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2024-02-06
[86] 2022-08-17 (PCT/US2022/040663)
[87] (WO2023/023199)
[30] US (63/234,176) 2021-08-17
[30] US (63/235,098) 2021-08-19
[30] US (63/237,089) 2021-08-25
[30] US (63/237,120) 2021-08-25
[30] US (63/237,506) 2021-08-26
[30] US (63/270,421) 2021-10-21
[30] US (63/281,994) 2021-11-22
[30] US (63/290,599) 2021-12-16
[30] US (63/294,715) 2021-12-29
[30] US (63/322,155) 2022-03-21
[30] US (63/339,307) 2022-05-06
[30] US (63/353,790) 2022-06-20

[21] **3,228,222**
[13] A1
[25] EN
[54] **CLASS II, TYPE V CRISPR SYSTEMS**
[54] **SYSTEMES CRISPR DE CLASSE II, DE TYPE V**
[72] THOMAS, BRIAN C., US
[72] BROWN, CHRISTOPHER, US
[72] CASTELLE, CINDY, US
[72] ALEXANDER, LISA, US
[72] GONZALEZ-OSORIO, LILIANA, US
[72] MATHEUS CARNEVALI, PAULA, US
[72] CASTANZO, DOM, US
[71] METAGENOMI, INC., US
[85] 2024-02-06
[86] 2022-09-06 (PCT/US2022/075992)
[87] (WO2023/039378)
[30] US (63/241,928) 2021-09-08

[21] **3,228,223**
[13] A1
[51] **Int.Cl. C01B 33/24 (2006.01)**
[25] EN
[54] **METHODS FOR FORMING SILICATES OF CALCIUM**
[54] **PROCEDES DE FORMATION DE SILICATES DE CALCIUM**
[72] BLAKE, DAVID B., US
[72] VIGNOVIC, MARK, US
[71] NOVAPHOS GYPSUM TECHNOLOGY LLC, US
[85] 2024-02-06
[86] 2022-08-25 (PCT/US2022/041580)
[87] (WO2023/028263)
[30] US (63/236,892) 2021-08-25
[30] US (63/317,447) 2022-03-07
[30] US (17/894,246) 2022-08-24

[21] **3,228,224**
[13] A1
[51] **Int.Cl. H04W 12/06 (2021.01) H04W 12/37 (2021.01)**
[25] EN
[54] **SECURE COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE COMMUNICATION SECURISEE**
[72] LI, HE, CN
[72] WU, RONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-02-06
[86] 2022-08-05 (PCT/CN2022/110663)
[87] (WO2023/011652)
[30] CN (202110904250.8) 2021-08-06
[30] CN (202111073980.4) 2021-09-14

[21] **3,228,225**
[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) B60L 50/60 (2019.01) B60L 50/64 (2019.01) B60L 53/35 (2019.01) B60L 53/80 (2019.01) H01M 50/244 (2021.01) B64C 27/82 (2006.01)**
[25] EN
[54] **HANGAR AND ASSEMBLY FOR REPLACING A BATTERY FROM AN AIRCRAFTFT**
[54] **HANGAR ET ENSEMBLE POUR REMPLACER UNE BATTERIE D'AERONEF**
[72] SCHELER, TRISTAN, DE
[72] BLUMM, DOMINIK, DE
[71] H I V E SYSTEMS GMBH, DE
[85] 2024-02-06
[86] 2022-08-09 (PCT/EP2022/072337)
[87] (WO2023/017027)
[30] DE (10 2021 120 783.5) 2021-08-10

[21] **3,228,226**
[13] A1
[51] **Int.Cl. B64C 39/02 (2023.01) H02S 10/30 (2014.01) H02S 20/30 (2014.01) H02J 50/10 (2016.01) H02J 50/40 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DEPLOYABLE AND REUSABLE NETWORKS OF AUTONOMOUS VEHICLES**
[54] **SYSTEMES ET PROCEDES POUR RESEAUX DEPLOYABLES ET REUTILISABLES DE VEHICULES AUTONOMES**
[72] OQAB, HAROON B., CA
[72] DIETRICH, GEORGE B., CA
[72] KAYA, NOBUYUKI, CA
[71] METASAT INC., CA
[85] 2024-02-06
[86] 2022-08-08 (PCT/CA2022/051210)
[87] (WO2023/010224)
[30] US (63/230,391) 2021-08-06

[21] **3,228,227**
[13] A1
[25] EN
[54] **HYGIENIC DISPOSAL CATHETER PRODUCT**
[54] **PRODUIT DE CATHETER D'ELIMINATION HYGIENIQUE**
[72] DOHERTY, JOHN PATRICK, US
[71] HOLLISTER INCORPORATED, US
[85] 2024-02-06
[86] 2022-08-04 (PCT/US2022/074548)
[87] (WO2023/019079)
[30] US (63/231,857) 2021-08-11

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/44 (2006.01) A61K 31/443 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 9/00 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07D 213/75 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **UREA COMPOUND CONTAINING 2-HETEROAROMATIC RING SUBSTITUTION, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE D'UREE CONTENANT UNE SUBSTITUTION DU CYCLE 2-HETEROAROMATIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] HU, YOUHONG, CN
[72] CHEN, YI, CN
[72] XIE, ZHICHENG, CN
[72] DING, JIAN, CN
[72] LI, XIN, CN
[72] FANG, YANFEN, CN
[72] SHEN, QIANQIAN, CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[85] 2024-02-06
[86] 2022-07-26 (PCT/CN2022/107742)
[87] (WO2023/020209)
[30] CN (202110936628.2) 2021-08-16

[21] **3,228,229**
[13] A1
[51] **Int.Cl. B60W 30/08 (2012.01) B60W 30/18 (2012.01) B60W 50/08 (2020.01)**
[25] EN
[54] **ZONAL CONTROL ARCHITECTURE FOR SOFTWARE-DEFINED VEHICLE**
[54] **ARCHITECTURE DE COMMANDE ZONALE POUR VEHICULE DEFINI PAR LOGICIEL**
[72] SMID, GERT EDZKO, US
[72] SCHLAGER, GERD, AT
[72] CARRARO, BRUNO, US
[71] MAGNA INTERNATIONAL INC., CA
[85] 2024-02-06
[86] 2022-12-13 (PCT/US2022/052623)
[87] (WO2023/114165)
[30] US (63/288,872) 2021-12-13

[21] **3,228,230**
[13] A1
[51] **Int.Cl. C09J 103/02 (2006.01) C09J 133/02 (2006.01)**
[25] EN
[54] **SPECIAL HIGH-WATER-RESISTANCE BIO-BASED FORMALDEHYDE-FREE SETTING AGENT FOR MINERAL WOOL**
[54] **AGENT DE PRISE SANS FORMALDEHYDE D'ORIGINE BIOLOGIQUE A HAUTE RESISTANCEA L'EAU, SPECIAL POUR LAINE MINERALE**
[72] ZHU, YUGUO, CN
[72] LI, BINGQUAN, CN
[72] DONG, CHUNSHENG, CN
[71] JIANGSU AKST NEW MATERIALS CO., LTD., CN
[85] 2024-02-06
[86] 2022-06-28 (PCT/CN2022/101804)
[87] (WO2023/184755)
[30] CN (202210350216.5) 2022-04-02

[21] **3,228,231**
[13] A1
[25] EN
[54] **ASSAY METHODS FOR SCREENING INHIBITORS OF SICKLE CELL DISEASE, .BETA.-THALASSEMIA, OR SICKLE CELL .BETA.-THALASSEMIA, OR A PHENOTYPE THEREOF**
[54] **PROCEDES DE DOSAGE POUR LE CRIBLAGE D'INHIBITEURS DE LA DREPANOCYTOSE, DE LA .BETA.-THALASSEMIE OU DE LA .BETA.-THALASSEMIE DE DREPANOCYTOSE, OUD'UN PHENOTYPE ASSOCIE**
[72] COFIELL, ROXANNE, US
[72] KIM, SUNG-KWON, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2024-02-06
[86] 2022-08-18 (PCT/US2022/040732)
[87] (WO2023/023236)
[30] US (63/235,290) 2021-08-20
[30] US (63/349,277) 2022-06-06

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[13] A1
[51] **Int.Cl. C09D 7/61 (2018.01)**
[25] EN
[54] **CARBON-BASED NANOMATERIAL-ENHANCED ELASTOMER COATING FOR PASSIVE ICE ACCRETION PREVENTION**
[54] **REVETEMENT D'ELASTOMERE RENFORCE PAR UN NANOMATERIAU A BASE DE CARBONE POUR LA PREVENTION PASSIVE DE L'ACCRETION DE GLACE**
[72] MANAIGRE, MONIQUE, CA
[72] JORDAN, JAMES, CA
[72] WOOD, PETER, CA
[71] ZENTEK LTD., CA
[85] 2024-02-06
[86] 2022-08-02 (PCT/CA2022/051173)
[87] (WO2023/015374)
[30] US (63/230,964) 2021-08-09

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[13] A1
[51] **Int.Cl. B65C 9/22 (2006.01) B65C 9/40 (2006.01)**
[25] EN
[54] **LABELING MACHINE WITH AN EXTRACTION HOOD**
[54] **MACHINE D'ETIQUETAGE DOTEE D'UNE HOTTE D'EXTRACTION**
[72] BARDINI, RICCARDO, IT
[71] P.E. LABELLERS S.P.A., IT
[85] 2024-02-06
[86] 2022-08-30 (PCT/EP2022/074078)
[87] (WO2023/041321)
[30] IT (102021000023630) 2021-09-14

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[13] A1
[51] **Int.Cl. C08F 10/06 (2006.01) C08F 10/04 (2006.01) C08F 210/04 (2006.01) C08F 210/06 (2006.01) C08L 23/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING POLYOLEFIN GRANULAR RESIN WITH INCREASED SETTLED BULK DENSITY**
[54] **PROCEDE DE PRODUCTION D'UNE RESINE GRANULAIRE DE POLYOLEFINE AYANT UNE DENSITE APPARENTE REGLEE ACCRUE**
[72] CAI, PING, US
[72] ERDELT, DAVID M., US
[72] STANLEY, JOHN DEALON, US
[71] W. R. GRACE & CO.-CONN., US
[85] 2024-02-06
[86] 2022-08-08 (PCT/US2022/039748)
[87] (WO2023/018671)
[30] US (63/231,007) 2021-08-09

[21] **3,228,235**
[13] A1
[25] EN
[54] **OPTICAL FIBER MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE FIBRES OPTIQUES**
[72] HENDREIX, WALTER MARK, US
[72] NOLAN, JAMES PATRICK, US
[72] BENTON, NATHAN ERIC, US
[72] ABBAS, SYED BABAR, US
[72] MARANTO, KEITH SAMUEL, US
[72] DABDOUB, ELIZABETH GRACE, US
[71] VIAPHOTON, INC., US
[85] 2024-02-06
[86] 2022-08-19 (PCT/US2022/040923)
[87] (WO2023/023348)
[30] US (17/408,239) 2021-08-20

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[13] A1
[51] **Int.Cl. C01B 32/215 (2017.01) C01B 32/20 (2017.01) C01B 32/23 (2017.01)**
[25] EN
[54] **PROCESS FOR THE PURIFICATION OF GRAPHITE MATERIAL**
[54] **PROCEDE DE PURIFICATION DE MATERIAU DE GRAPHITE**
[72] BOISVERT, RENE, CA
[72] BOULANGER, PATRICE, CA
[72] BRASSARD, MARTIN, CA
[72] DESAULNIERS, ERIC, CA
[72] NORVAL, GRAEME, CA
[72] RIECKMANN, PHILIPPE, CA
[72] TAN, ANDREW, CA
[71] NOUVEAU MONDE GRAPHITE INC., CA
[85] 2024-02-06
[86] 2022-08-10 (PCT/CA2022/051223)
[87] (WO2023/015392)
[30] US (63/260,116) 2021-08-10

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[13] A1
[51] **Int.Cl. A47J 31/20 (2006.01) A47J 31/32 (2006.01)**
[25] EN
[54] **COMPACT COFFEE PRESS**
[54] **CAFETIERE A PISTON COMPACTE**
[72] KINNEAR, WILLIAM ALLAN, ZA
[72] HUGO, GEORGE, ZA
[72] VAN HEERDEN, ALTUS, ZA
[71] CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE, ZA
[85] 2024-02-06
[86] 2022-07-29 (PCT/IB2022/057076)
[87] (WO2023/012629)
[30] ZA (2021/05534) 2021-08-06

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[13] A1
[51] **Int.Cl. C07C 233/47 (2006.01) C07C 271/22 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR REDUCING IMMUNE INTOLERANCE AND TREATING AUTOIMMUNE DISORDERS**
[54] **COMPOSITIONS ET PROCEDES POUR REDUIRE L'INTOLERANCE IMMUNITAIRE ET TRAITER DES TROUBLES AUTO-IMMUNS**
[72] FATHALLAH, ANAS M., US
[72] LARSEN, SCOTT D., US
[72] RAMADAN, ABDULRAOUF, US
[71] LAPIX THERAPEUTICS, INC., US
[85] 2024-02-06
[86] 2022-08-12 (PCT/US2022/074903)
[87] (WO2023/019242)
[30] US (63/233,163) 2021-08-13

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[13] A1
[51] **Int.Cl. B60L 58/10 (2019.01) B60L 58/18 (2019.01) G01R 31/382 (2019.01) B60L 53/60 (2019.01) B60L 58/22 (2019.01) G01R 31/371 (2019.01) H01M 10/44 (2006.01)**
[25] EN
[54] **BATTERY SAFETY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE SECURITE DE BATTERIE**
[72] MCCAIG, ROBERT L., US
[72] MCLAUGHLIN, JOHN, US
[71] ASSETT, INC, US
[85] 2024-02-06
[86] 2022-08-12 (PCT/US2022/040193)
[87] (WO2023/018957)
[30] US (17/402,196) 2021-08-13

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[13] A1
[51] **Int.Cl. G09B 7/02 (2006.01) G09B 5/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR EDUCATIONAL AND PSYCHOLOGICAL MODELING AND ASSESSMENT**
[54] **SYSTEME ET PROCEDES DE MODELISATION ET D'EVALUATION EDUCATIVES ET PSYCHOLOGIQUES**
[72] SETTLES, BURR, US
[72] YANCEY, KEVIN, US
[72] LAFLAIR, GEOFFERY, US
[72] MCMCARTHY, ARYA, US
[71] DUOLINGO, INC., US
[85] 2024-02-06
[86] 2022-09-19 (PCT/US2022/043974)
[87] (WO2023/044103)
[30] US (63/246,125) 2021-09-20

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[13] A1
[51] **Int.Cl. H01M 10/0525 (2010.01)**
[25] FR
[54] **SURFACE-MODIFIED ELECTRODES, PREPARATION METHODS AND ELECTROCHEMICAL USES**
[54] **ELECTRODES A SURFACE MODIFIEE, PROCEDES DE PREPARATION, ET UTILISATIONS ELECTROCHIMIQUES**
[72] DELAPORTE, NICOLAS, CA
[72] COLLIN-MARTIN, STEVE, CA
[71] HYDRO-QUEBEC, CA
[85] 2024-02-06
[86] 2022-08-12 (PCT/CA2022/051231)
[87] (WO2023/015396)
[30] CA (3128220) 2021-08-13

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[13] A1
[51] **Int.Cl. C07D 217/12 (2006.01) A61K 31/085 (2006.01) A61K 31/198 (2006.01) A61K 31/4184 (2006.01) A61P 37/02 (2006.01) C07C 217/54 (2006.01) C07C 235/34 (2006.01) C07D 231/56 (2006.01) C07D 319/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR REDUCING IMMUNE INTOLERANCE AND TREATING AUTOIMMUNE DISORDERS**
[54] **COMPOSITIONS ET PROCEDES POUR REDUIRE L'INTOLERANCE IMMUNITAIRE ET TRAITER DES TROUBLES AUTO-IMMUNS**
[72] FATHALLAH, ANAS M., US
[72] LARSEN, SCOTT D., US
[72] RAMADAN, ABDULRAOUF, US
[71] LAPIX THERAPEUTICS, INC., US
[85] 2024-02-06
[86] 2022-08-12 (PCT/US2022/074908)
[87] (WO2023/019244)
[30] US (63/233,039) 2021-08-13

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01)**
[25] EN
[54] **CYTOTOXICITY TARGETING CHIMERAS FOR CCR2-EXPRESSING CELLS**
[54] **CHIMERES CIBLANT LA CYTOTOXICITE POUR DES CELLULES EXPRIMANT CCR2**
[72] CHEN, PEILING, US
[72] DODSON, JASON W., US
[72] KNAPP-REED, BETH A., US
[72] LEACH, CRAIG, US
[72] LI, YUEHU, US
[72] MARINO JR., JOSEPH PAUL, US
[72] SENDER, MATTHEW ROBERT, US
[72] TURUNEN, BRANDON, US
[72] YE, GUOSEN, US
[72] ZHANG, CUNYU, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2024-02-06
[86] 2022-08-12 (PCT/IB2022/057561)
[87] (WO2023/017483)
[30] US (63/233,166) 2021-08-13

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[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **BALLOON CATHETER**
[54] **CATHETER A BALLONNET**
[72] OKAMOTO, MITSUMASA, JP
[72] YAMAMOTO, SHUHEI, JP
[72] YOSHINAGA, SHIZUYA, JP
[72] KONDO, SHOMA, JP
[72] NAKAMURA, YUTA, JP
[71] GOODMAN CO., LTD., JP
[85] 2024-02-06
[86] 2022-07-25 (PCT/JP2022/028567)
[87] (WO2023/032522)
[30] JP (2021-140754) 2021-08-31

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[13] A1
[51] **Int.Cl. C07C 51/285 (2006.01) C07C 29/48 (2006.01)**
[25] EN
[54] **ULTRASONIC REACTION FOR HIGH-YIELD PRODUCTION OF HUMIC ACIDS FROM COAL-LIGNITE, OXIDIZED COALS, AND RESIDUAL FEEDSTOCKS**
[54] **REACTION ULTRASONORE POUR LA PRODUCTION A HAUT RENDEMENT D'ACIDES HUMIQUES A PARTIR DE CHARBON-LIGNITE, DE CHARBONS OXYDES ET DE CHARGES D'ALIMENTATION RESIDUELLES**
[72] NASSAR, NASHAAT N., CA
[72] MANASRAH, ABDALLAH D., CA
[72] AL-AKBARI, REDHWAN, CA
[71] NASSAR, NASHAAT N., CA
[71] MANASRAH, ABDALLAH D., CA
[71] AL-AKBARI, REDHWAN, CA
[85] 2024-02-06
[86] 2022-08-03 (PCT/CA2022/051179)
[87] (WO2023/010210)
[30] US (63/230,353) 2021-08-06

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[13] A1
[51] **Int.Cl. G01N 23/18 (2018.01) G01N 23/083 (2018.01)**
[25] EN
[54] **RADIOGRAPHY INSPECTION AND FAIL-SAFE MECHANISM FOR PIPE TRAVERSING ROBOTS**
[54] **INSPECTION RADIOGRAPHIQUE ET MECANISME A SECURITE INTEGREE POUR ROBOTS TRAVERSANT DES TUYAUX**
[72] DUERFELDT, BRYAN R., US
[72] GEORGE, CONNER S., US
[72] WEHLIN, KARL PETTER, US
[72] LIU, DIANNA D., US
[71] ARIX TECHNOLOGIES, INC., US
[85] 2024-02-06
[86] 2022-08-12 (PCT/US2022/040242)
[87] (WO2023/018983)
[30] US (63/232,849) 2021-08-13
[30] US (63/232,994) 2021-08-13

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[13] A1
[51] **Int.Cl. A61K 31/4535 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **RALOXIFENE FOR USE IN THE TREATMENT OF SARS-COV-2 VARIANTS INFECTIONS**
[54] **RALOXIFENE DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'INFECTIONS PAR DES VARIANTS DE SARS-COV-2**
[72] BECCARI, ANDREA ROSARIO, IT
[72] IACONIS, DANIELA, IT
[72] TALARICO, CARMINE, IT
[72] MANELFI, CANDIDA, IT
[72] SCORZOLINI, LAURA, IT
[72] BORDI, LICIA, IT
[72] MATUSALI, GIULIA, IT
[72] NICASTRI, EMANUELE, IT
[71] DOMPE' FARMACEUTICI SPA, IT
[71] ISTITUTO NAZIONALE MALATTIE INFETTIVE LAZZARO SPALLANZANI, IT
[85] 2024-02-02
[86] 2022-08-03 (PCT/EP2022/071862)
[87] (WO2023/012233)
[30] EP (21189699.8) 2021-08-04

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[13] A1
[51] **Int.Cl. E01H 3/02 (2006.01) B60P 3/00 (2006.01)**
[25] EN
[54] **SPRINKLING SYSTEM AT WORK SITE AND SPRINKLING METHOD AT WORK SITE**
[54] **SYSTEME D'ASPERSION DE SITE DE TRAVAIL ET PROCEDE D'ASPERSION DE SITE DE TRAVAIL**
[72] WATANABE, NATSUKI, JP
[72] HOSHINO, YUTA, JP
[71] KOMATSU LTD., JP
[85] 2024-02-01
[86] 2022-09-27 (PCT/JP2022/035964)
[87] (WO2023/054368)
[30] JP (2021-159063) 2021-09-29

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[13] A1
[51] **Int.Cl. E05B 17/00 (2006.01) E05B 17/18 (2006.01)**
[25] EN
[54] **FLUID GUARD AND ABSORBER FOR LOCKING DEVICES**
[54] **DISPOSITIF DE PROTECTION CONTRE LES FLUIDES ET ABSORBEUR DE FLUIDES DESTINES AUX DISPOSITIFS DE VERROUILLAGE**
[72] PEDERSEN, JASON SHAUN, US
[72] SCHEFFLER, DOMINIK, US
[71] KNOX ASSOCIATES, INC. DBA KNOX COMPANY, US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/074513)
[87] (WO2023/015238)
[30] US (63/229,263) 2021-08-04

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 10/60 (2022.01) G06F 17/13 (2006.01) G06N 3/08 (2023.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SOLVING A STOCHASTIC DIFFERENTIAL EQUATION USING A HYBRID COMPUTER SYSTEM**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE RESOUDRE UNE EQUATION DIFFERENTIELLE STOCHASTIQUE A L'AIDE D'UN SYSTEME INFORMATIQUE HYBRIDE**
[72] ELFVING, VINCENT EMANUEL, NL
[72] PAINE, ANNA EMMA, NL
[72] KYRIIENKO, OLEKSANDR, NL
[71] PASQAL NETHERLANDS B.V., NL
[85] 2024-02-02
[86] 2022-08-08 (PCT/EP2022/072285)
[87] (WO2023/012375)
[30] EP (21190216.8) 2021-08-06

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[13] A1
[51] **Int.Cl. A62B 35/00 (2006.01) B60R 11/00 (2006.01) B60R 21/18 (2006.01)**
[25] EN
[54] **COMBINATION INFLATABLE AND WEB-BASED RESTRAINT FOR A MOTOR VEHICLE SEAT**
[54] **DISPOSITIF DE RETENUE COMBINE GONFLABLE ET A BASE DE BANDE POUR UN SIEGE DE VEHICULE AUTOMOBILE**
[72] JESSUP, CHRIS P., US
[72] BITTNER, DOUGLAS W., US
[72] GALE, STEVEN, US
[71] INDIANA MILLS & MANUFACTURING, INC., US
[85] 2024-02-02
[86] 2022-08-02 (PCT/US2022/039130)
[87] (WO2023/014688)
[30] US (63/229,078) 2021-08-04

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[13] A1
[51] **Int.Cl. G01N 11/10 (2006.01) A61P 35/00 (2006.01) G01N 9/34 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC SYSTEM FOR RAPID FLUID VISCOSITY MEASUREMENT USING ACOUSTIC MICROSTREAMING**
[54] **SYSTEME MICROFLUIDIQUE POUR LA MESURE RAPIDE DE LA VISCOSITE D'UN FLUIDE A L'AIDE D'UNE MICRODIFFUSION ACOUSTIQUE EN CONTINU**
[72] LEE, ABRAHAM P., US
[72] JIANG, RUOYU, US
[72] SUDARSH, ABHINAND MELUKOTE, US
[72] YOO, PAUL, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-02-02
[86] 2022-09-21 (PCT/US2022/076793)
[87] (WO2023/049757)
[30] US (63/247,045) 2021-09-22

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[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **CAMERA SYSTEM FOR USE WITH RETRACTORS**
[54] **SYSTEME DE CAMERA A UTILISER AVEC DES ECARTEURS**
[72] MCINTYRE, TODD D., US
[72] PHAM, ANTHONY, US
[72] CHHIT, RAVUT, US
[72] DAVIS, PETER G., US
[71] VISEON, INC., US
[85] 2024-02-02
[86] 2022-08-02 (PCT/US2022/039201)
[87] (WO2023/014734)
[30] US (17/444,328) 2021-08-03

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **IRNA COMPOSITIONS AND METHODS FOR SILENCING ANGIOTENSINOGEN (AGT)**
[54] **COMPOSITIONS D'ARNI ET METHODES D'INACTIVATION DE L'ANGIOTENSINOGENE (AGT)**
[72] NIOI, PAUL, US
[72] MCININCH, JAMES D., US
[72] SCHLEGEL, MARK K., US
[72] CASTORENO, ADAM, US
[72] BARRY, JOSEPH, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2024-02-02
[86] 2022-08-03 (PCT/US2022/039242)
[87] (WO2023/014765)
[30] US (63/229,085) 2021-08-04
[30] US (63/272,769) 2021-10-28

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[13] A1
[51] **Int.Cl. A01C 7/16 (2006.01) A01C 1/00 (2006.01) A01C 1/06 (2006.01) A01C 7/00 (2006.01) A01C 7/10 (2006.01) A01C 7/20 (2006.01) A01C 21/00 (2006.01) G01G 9/00 (2006.01)**
[25] EN
[54] **CONTINUOUSLY FLOWING SEED METERING AND DISCHARGE SYSTEM**
[54] **SYSTEME DE DOSAGE ET D'EVACUATION DE GRAINES A ECOULEMENT CONTINU**
[72] KAEB, JASON P., US
[72] MEYER, DOMINIC E., US
[72] ANLIKER, CORBIN, US
[71] KSI CONVEYOR, INC., US
[85] 2024-02-02
[86] 2022-09-26 (PCT/US2022/077007)
[87] (WO2023/064673)
[30] US (63/262,476) 2021-10-13

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[13] A1
[51] **Int.Cl. A61K 51/08 (2006.01) A61P 35/00 (2006.01) C07K 1/13 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CD3 TARGETING ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS CIBLANT CD3 ET LEURS UTILISATIONS**
[72] LULO, JAMES, US
[72] MUDA, MARCO, US
[72] MURPHY, SHAUN, US
[72] PELZEK, ADAM, US
[71] ABPRO CORPORATION, US
[85] 2024-02-02
[86] 2022-08-03 (PCT/US2022/039301)
[87] (WO2023/014809)
[30] US (63/229,125) 2021-08-04

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[13] A1
[51] **Int.Cl. A61L 9/20 (2006.01) A61K 35/17 (2015.01) A61K 47/68 (2017.01) A61K 31/7088 (2006.01) A62B 23/02 (2006.01)**
[25] EN
[54] **ANTI-HER2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-HER2 ET LEURS UTILISATIONS**
[72] LULO, JAMES, US
[72] MUDA, MARCO, US
[72] MURPHY, SHAUN, US
[72] PELZEK, ADAM, US
[71] ABPRO CORPORATION, US
[85] 2024-02-02
[86] 2022-08-03 (PCT/US2022/039302)
[87] (WO2023/014810)
[30] US (63/229,134) 2021-08-04

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[13] A1
[51] **Int.Cl. G01V 1/42 (2006.01) G01S 17/86 (2020.01) G01S 17/88 (2006.01) G01V 1/52 (2006.01)**
[25] EN
[54] **LIDAR TOOL FOR OIL AND GAS WELLBORE DATA ACQUISITION**
[54] **OUTIL LIDAR POUR L'ACQUISITION DE DONNEES DE PUITS DE FORAGE DE PETROLE ET DE GAZ**
[72] BLOIS, STANLEY JONATHAN, CA
[72] JONES, EMMA ABIGAEL, US
[72] JONES, GARETH NICHOLAS, US
[72] KEYES, CULLEN, US
[72] JANKE, IAN GRAHAM, CA
[72] GRIFFIN, LAWRENCE GENE, US
[71] DEFIANT ENGINEERING, LLC, US
[85] 2024-02-03
[86] 2022-07-27 (PCT/US2022/074216)
[87] (WO2023/015125)
[30] US (63/229,441) 2021-08-04
[30] US (17/815,130) 2022-07-26

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[13] A1
[51] **Int.Cl. C05F 17/40 (2020.01) C05F 17/10 (2020.01) C05F 17/20 (2020.01) B09B 3/60 (2022.01)**
[25] EN
[54] **COMPOSITION FOR TREATING ORGANIC WASTE AND PRODUCTION OF LIQUID FERTILIZER**
[54] **COMPOSITION POUR LE TRAITEMENT DE DECHETS ORGANIQUES ET LA PRODUCTION D'ENGRAIS LIQUIDE**
[72] HAMALIUK, GERRY, CA
[72] BAKER, JOSEPH P., CA
[71] HAMALIUK, GERRY, CA
[71] BAKER, JOSEPH P., CA
[85] 2024-02-07
[86] 2022-08-12 (PCT/CA2022/051232)
[87] (WO2023/015397)
[30] US (63/260,235) 2021-08-13

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[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **LAT ACTIVATING CHIMERIC ANTIGEN RECEPTOR T CELLS AND METHODS OF USE THEREOF**
[54] **CELLULES T DE RECEPTEUR D'ANTIGENE CHIMERIQUE ACTIVANT LE LAT ET LEURS METHODES D'UTILISATION**
[72] KOHLER, MARK, US
[72] DANIS, CATHERINE, US
[72] FRY, TERRY J., US
[72] LEACH, LILLIE, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2024-02-02
[86] 2022-08-04 (PCT/US2022/039487)
[87] (WO2023/014922)
[30] US (63/229,344) 2021-08-04
[30] US (63/321,549) 2022-03-18

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[13] A1
[51] **Int.Cl. H04W 4/50 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISCOVERING EDGE APPLICATION SERVER**
[54] **PROCEDE ET APPAREIL DE DECOUVERTE DE SERVEUR D'APPLICATIONS PERIPHERIQUES**
[72] ZHAO, PENGTAO, CN
[72] LI, YAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-02-05
[86] 2022-07-18 (PCT/CN2022/106229)
[87] (WO2023/011152)
[30] CN (202110896677.8) 2021-08-05

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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) C07D 471/04 (2006.01) C07D 471/20 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MIGRAINE WITH MNK INHIBITORS**
[54] **METHODES DE TRAITEMENT DE LA MIGRAINE AVEC DES INHIBITEURS DE LA MNK**
[72] PRICE, THEODORE J., US
[72] SAHN, JAMES J., US
[71] 4E THERAPEUTICS, INC., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/039529)
[87] (WO2023/014943)
[30] US (63/229,882) 2021-08-05

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[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61P 1/00 (2006.01) A61P 1/16 (2006.01) A61P 17/02 (2006.01) A61P 29/00 (2006.01) A61P 37/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **NEW TREATMENT OF IMMUNODEFICIENCY DISORDER**
[54] **NOUVEAU TRAITEMENT DU TROUBLE DE L'IMMUNODEFICIENCE**
[72] SAMUELSSON, BENGT INGEMAR, SE
[71] ENLITISA (SHANGHAI) PHARMACEUTICAL CO., LTD., CN
[85] 2024-02-05
[86] 2022-08-05 (PCT/CN2022/110573)
[87] (WO2023/011635)
[30] CN (PCT/CN2021/111247) 2021-08-06

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[13] A1
[51] **Int.Cl. A47C 27/14 (2006.01) A47C 27/15 (2006.01)**
[25] EN
[54] **SUPPORT CUSHIONS INCLUDING FOAM ARCHES**
[54] **COUSSINS DE SUPPORT COMPRENANT DES ARCHES EN MOUSSE**
[72] BRYANT, BRIAN, US
[72] HARRIS, DAVID, US
[72] STROTHER, TIMOTHY, US
[71] COMFORT REVOLUTION, LLC, US
[85] 2024-02-02
[86] 2022-08-05 (PCT/US2022/039573)
[87] (WO2023/014971)
[30] US (63/229,756) 2021-08-05

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[13] A1
[51] **Int.Cl. C07D 207/452 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **IMPROVED METHODS FOR PREPARING CYTOTOXIC BENZODIAZEPINE DERIVATIVES**
[54] **PROCEDES AMELIORES DE PREPARATION DE DERIVES DE BENZODIAZEPINE CYTOTOXIQUES**
[72] HAGUE, ANDREW BRIAN, US
[71] IMMUNOGEN, INC., US
[85] 2024-02-07
[86] 2022-08-12 (PCT/US2022/040203)
[87] (WO2023/018960)
[30] US (63/232,757) 2021-08-13

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/08 (2006.01) A61K 47/18 (2017.01) C07K 16/24 (2006.01)**
[25] EN
[54] **ANTIBODY FORMULATIONS**
[54] **FORMULATIONS D'ANTICORPS**
[72] BALL, NICOLE, US
[72] SLOEY, CHRISTOPHER, US
[72] LUERAS, ALEXIS, US
[72] QIAN, RULIN, US
[71] AMGEN INC., US
[85] 2024-02-02
[86] 2022-08-11 (PCT/US2022/040056)
[87] (WO2023/018870)
[30] US (63/232,299) 2021-08-12
[30] US (63/316,604) 2022-03-04

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[13] A1
[51] **Int.Cl. G01N 27/27 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL CELL DEVICES AND METHODS OF MANUFACTURING**
[54] **DISPOSITIFS A CELLULES ELECTROCHIMIQUES ET LEURS PROCEDES DE FABRICATION**
[72] WOHLSTADTER, JACOB, US
[72] DOWDELL, SCOTT, US
[72] CARBONE, NICHOLAS, US
[72] CLINTON, CHARLES, US
[72] BILLADEAU, MARK, US
[72] KOCHAR, MANISH, US
[72] FOX-LYON, NICHOLAS, US
[72] TUCKER-SCHWARTZ, ALEXANDER, US
[72] SIGAL, GEORGE, US
[72] SPIELES, GISBERT, US
[72] VANDERSARL, JULES, US
[72] LEIMKUEHLER, AARON, US
[72] PETTINGILL, JEFFREY, US
[72] TABAKIN, LEO, US
[72] JEFFREY-COKER, BANDELE, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
[85] 2024-02-02
[86] 2022-08-12 (PCT/US2022/040230)
[87] (WO2023/018975)
[30] US (63/233,167) 2021-08-13

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[13] A1
[51] **Int.Cl. H04B 7/10 (2017.01)**
[25] EN
[54] **SIMULTANEOUS MULTI-POLARIZATION RECEIVING WITH CROSS-POLARIZATION INTERFERENCE CANCELLATION**
[54] **RECEPTION SIMULTANEE MULTI-POLARISATION A ANNULATION D'INTERFERENCE DE POLARISATION CROISEE**
[72] BECKER, NEAL D., US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2024-02-07
[86] 2022-08-05 (PCT/US2022/039579)
[87] (WO2023/018619)
[30] US (63/231,103) 2021-08-09
[30] US (17/557,832) 2021-12-21

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR GENE MODIFICATION**
[54] **COMPOSITIONS ET PROCEDES DE MODIFICATION GENETIQUE**
[72] CHAKRABORTY, TIRTHA, US
[72] PAIK, ELIZABETH, US
[72] LIN, MICHELLE, US
[72] FERRUCIO, JULIANA, US
[71] VOR BIOPHARMA INC., US
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[87] (WO2023/015182)
[30] US (63/228,548) 2021-08-02
[30] US (63/229,484) 2021-08-04
[30] US (63/341,346) 2022-05-12
[30] US (63/346,819) 2022-05-27

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[25] EN
[54] **MODIFIED FLEXIBLE POLYPROPYLENE INSULATING MATERIAL AND PREPARATION METHOD AND USE THEREOF**
[54] **MATERIAU MODIFIE D'ISOLATION DE POLYPROPYLENE FLEXIBLE, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] SHAO, QING, CN
[72] HE, JINLIANG, CN
[72] YUAN, HAO, CN
[72] LI, QI, CN
[72] ZHANG, YARU, CN
[72] HU, JUN, CN
[72] WANG, MINGDI, CN
[72] HUANG, SHANGSHI, CN
[72] LI, JUAN, CN
[72] HU, SHIXUN, CN
[72] ZHANG, QI, CN
[72] GAO, DALI, CN
[72] SHI, HONGWEI, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] TSINGHUA UNIVERSITY, CN
[85] 2024-02-05
[86] 2022-08-03 (PCT/CN2022/109917)
[87] (WO2023/011515)
[30] CN (202110892173.9) 2021-08-04
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[51] **Int.Cl. H04L 27/26 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **PHASE TRACKING REFERENCE SIGNAL TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL POUR EMETTRE UN SIGNAL DE REFERENCE DE SUIVI DE PHASE**
[72] XU, MINGHUI, CN
[72] LIU, FENGWEI, CN
[72] ZHANG, JIAYIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-02-05
[86] 2022-08-03 (PCT/CN2022/110063)
[87] (WO2023/011551)
[30] CN (202110897620.X) 2021-08-05

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[25] EN
[54] **GLOVE DISPENSING APPARATUS**
[54] **APPAREIL DE DISTRIBUTION DE GANTS**
[72] BARTOS, JAROSLAW, PL
[71] "INNOVA GOOD" SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA, PL
[85] 2024-02-05
[86] 2022-06-22 (PCT/EP2022/066968)
[87] (WO2022/268860)
[30] PL (P.438238) 2021-06-23
[30] EP (22151292.4) 2022-01-13

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[25] EN
[54] **TIMING ADVANCE IN MULTI-PANEL TX SCENARIO**
[54] **AVANCE TEMPORELLE DANS UN SCENARIO DE TRANSMISSION MULTI-PANNEAUX**
[72] YUE, RAN, CN
[72] LIU, BINGCHAO, CN
[72] WU, LIANHAI, CN
[72] HAN, JING, CN
[72] WANG, HAIMING, CN
[71] LENOVO (BEIJING) LIMITED, CN
[85] 2024-02-07
[86] 2021-09-29 (PCT/CN2021/121758)
[87] (WO2023/050170)

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[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR DETERMINING FREQUENCY DOMAIN RESOURCE**
[54] **PROCEDES ET APPAREILS POUR DETERMINER UNE RESSOURCE DANS LE DOMAINE FREQUENTIEL**
[72] LIU, HONGMEI, CN
[72] YAN, ZHI, CN
[72] ZHANG, YUANTAO, CN
[72] WANG, HAIMING, CN
[71] LENOVO (BEIJING) LIMITED, CN
[85] 2024-02-07
[86] 2021-09-28 (PCT/CN2021/121383)
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[25] EN
[54] **ELECTROCHEMICAL SENSOR IN CONFIGURATION THEREOF**
[54] **CAPTEUR ELECTROCHIMIQUE DANS LA CONFIGURATION DE CELUI-CI**
[72] ANDRADE, FRANCISCO JAVIER, ES
[72] BLANKING, PAR ROBERT ERIK WILLIAM, ES
[72] BLONDEAU, PASCAL, ES
[72] BAEZ VASQUEZ, JHONATTAN FRANK, ES
[71] UNIVERSIDAD ROVIRA I VIRGILI (URV), ES
[85] 2024-02-05
[86] 2022-08-08 (PCT/EP2022/072177)
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[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CONNECTION ADJUSTMENT MECHANISM AND CHILD CARRIER**
[54] **MECANISME DE REGLAGE DE LIAISON ET PORTE-BEBE**
[72] CHUI, ZONGWANG, CH
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2024-02-05
[86] 2022-08-09 (PCT/EP2022/072364)
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[30] CN (202110910304.1) 2021-08-09

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[25] EN
[54] **ANHYDROUS TOPICAL DELIVERY SYSTEM FOR LIPID, AQUEOUS, AND ALCOHOL SOLUBILIZED ACTIVES**
[54] **SYSTEME D'ADMINISTRATION TOPIQUE ANHYDRE POUR DES INGREDIENTS ACTIFS SOLUBILISES DANS DES PHASES LIPIDIQUE, AQUEUSE ET ALCOOLIQUE**
[72] MUSUMECI, STEPHEN, US
[71] MORSE LABORATORIES L.P., US
[85] 2024-02-02
[86] 2022-08-18 (PCT/US2022/075116)
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[30] US (63/234,745) 2021-08-19

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[25] EN
[54] **SYSTEM FOR PRODUCING CULTIVATED MEATS, TISSUES AND ASSOCIATED PRODUCTS FROM CELLS**
[54] **SYSTEME DE PRODUCTION DE VIANDES, DE TISSUS ET DE PRODUITS ASSOCIES CULTIVES A PARTIR DE CELLULES**
[72] CHIN, PO SAN MARIO, CN
[72] CHAN, KAI YI CARRIE, CN
[72] LI, CHUEN WAI, CN
[72] SPITTERS, TIM, CN
[71] AVANT MEATS COMPANY LIMITED, CN
[85] 2024-02-02
[86] 2022-04-10 (PCT/IB2022/053341)
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[30] US (17/395,452) 2021-08-05

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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/158 (2006.01) A61M 5/162 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT**
[72] FORSELL, PETER, SE
[71] MEDICALTREE PATENTS LTD, SE
[85] 2024-02-05
[86] 2022-08-26 (PCT/EP2022/073856)
[87] (WO2023/031062)
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[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01)**
[25] EN
[54] **METHOD FOR HYDROGEN PRODUCTION COUPLED WITH CO2 CAPTURE**
[54] **PROCEDE DE PRODUCTION D'HYDROGENE COUPLE A LA CAPTURE DE CO2**
[72] IAQUANIELLO, GAETANO, IT
[72] COLOZZI, MICHELE, IT
[72] PALO, EMMA, IT
[72] ANTONELLI, MENICA, IT
[72] ROMAGNUOLO, SALVATORE, IT
[72] TARASCHI, STEFANIA, IT
[71] NEXTCHEM TECH S.P.A., IT
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[51] **Int.Cl. C01B 3/38 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **APPARATUS FOR HYDROGEN PRODUCTION**
[54] **APPAREIL DE PRODUCTION D'HYDROGENE**
[72] COLOZZI, MICHELE, IT
[72] PALO, EMMA, IT
[72] ROMAGNUOLO, SALVATORE, IT
[72] RICCI, IVAN, IT
[72] COCCIAGLIA, ALBERTO, IT
[72] MASSINI, STEFANO, IT
[72] ANTONELLI, MENICA, IT
[72] TARASCHI, STEFANIA, IT
[71] NEXTCHEM TECH S.P.A., IT
[85] 2024-02-02
[86] 2021-08-04 (PCT/IT2021/000040)
[87] (WO2023/012837)

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[51] **Int.Cl. A61K 38/16 (2006.01) A61K 45/06 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING FIBROTIC DISEASES, COMPRISING HAPLN1**
[54] **COMPOSITION DESTINEE A LA PREVENTION OU AU TRAITEMENT DE MALADIES FIBROTIQUES, COMPRENANT L'HAPLN1**
[72] KIM, DAE KYONG, KR
[72] KIM, YONG SOON, KR
[72] BACK, MOON JUNG, KR
[72] PYO, JUNG HOON, KR
[72] KIM, DAVID, KR
[72] PIAO, YONG WEI, KR
[72] YEOM, MIN A., KR
[71] CHUNG ANG UNIVERSITY INDUSTRY ACADEMIC COOPERATION FOUNDATION, KR
[71] HAPLNSCIENCE INC., KR
[85] 2024-02-02
[86] 2022-08-02 (PCT/KR2022/011419)
[87] (WO2023/014062)
[30] KR (10-2021-0101726) 2021-08-03

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[13] A1
[51] **Int.Cl. C04B 28/00 (2006.01) C09K 8/46 (2006.01)**
[25] EN
[54] **GEOPOLYMER MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **MATERIAU GEOPOLYMERE ET PROCEDE DE PREPARATION ASSOCIE ET SON UTILISATION**
[72] ZHOU, SHIMING, CN
[72] WEI, HAOGUANG, CN
[72] LIU, HAOYA, CN
[72] LI, XIAOJIANG, CN
[72] WANG, MU, CN
[72] TAN, CHUNQIN, CN
[72] MIAO, XIA, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC PETROLEUM ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2024-02-05
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[87] (WO2023/020186)
[30] CN (202110947865.9) 2021-08-18

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[51] **Int.Cl. H01M 10/052 (2010.01) H01M 4/131 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 4/587 (2010.01)**
[25] EN
[54] **LITHIUM SECONDARY BATTERY**
[54] **BATTERIE SECONDAIRE AU LITHIUM**
[72] KIM, JEEEUN, KR
[72] SON, JONGIN, KR
[72] CHOI, JEONG EUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-02-07
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[87] (WO2023/106856)
[30] KR (10-2021-0174498) 2021-12-08

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[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 10/052 (2010.01) H01M 10/0568 (2010.01) H01M 10/0569 (2010.01) C08F 216/14 (2006.01) C08L 29/10 (2006.01) H01M 4/02 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **NON-AQUEOUS ELECTROLYTE INCLUDING ADDITIVE FOR NON-AQUEOUS ELECTROLYTE, AND LITHIUM SECONDARY BATTERY INCLUDING THE NON-AQUEOUS ELECTROLYTE**
[54] **ELECTROLYTE NON AQUEUX CONTENANT UN ADDITIF POUR ELECTROLYTE NON AQUEUX ET BATTERIE SECONDAIRE AU LITHIUM LE COMPRENANT**
[72] CHO, YOON GYO, KR
[72] OH, JEONG WOO, KR
[72] LEE, CHUL HAENG, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-02-05
[86] 2023-01-13 (PCT/KR2023/000700)
[87] (WO2023/136680)
[30] KR (10-2022-0005270) 2022-01-13
[30] KR (10-2023-0005382) 2023-01-13

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[51] **Int.Cl. A61K 31/575 (2006.01) A61K 47/64 (2017.01) A61K 38/17 (2006.01) A61K 41/00 (2020.01) C07K 14/47 (2006.01) C07K 17/06 (2006.01) G01N 33/532 (2006.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **PHOTOREACTIVE ANTIBODY BINDING DOMAINS WITH EPITOPE TAGS FOR MULTIPLEXED ANTIBODY LABELING, DETECTION, AND PURIFICATION**
[54] **DOMAINES DE LIAISON D'ANTICORPS PHOTOREACTIFS COMPRENANT DES ETIQUETTES D'EPITOPES POUR LE MARQUAGE, LA DETECTION ET LA PURIFICATION D'ANTICORPS MULTIPLEXES**
[72] TSOURKAS, ANDREW, US
[72] SHU, YI, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] ALPHATHERA LLC, US
[85] 2024-02-01
[86] 2022-08-03 (PCT/US2022/039261)
[87] (WO2023/014778)
[30] US (63/229,991) 2021-08-05

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[51] **Int.Cl. H04W 80/10 (2009.01) H04W 76/10 (2018.01) H04W 76/25 (2018.01)**
[25] EN
[54] **COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION**
[72] LI, YONGCUI, CN
[72] NI, HUI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-02-07
[86] 2022-07-26 (PCT/CN2022/107996)
[87] (WO2023/016251)
[30] CN (202110905125.9) 2021-08-08
[30] CN (202111212352.X) 2021-10-18

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[51] **Int.Cl. A61F 9/009 (2006.01)**
[25] EN
[54] **PATIENT INTERFACES FOR COOLING EYE TISSUE**
[54] **INTERFACES DE PATIENT POUR REFROIDIR UN TISSU OCULAIRE**
[72] ABRAHAM, MARIO, DE
[72] WITTNEBEL, MICHAEL, DE
[71] ALCON INC., CH
[85] 2024-02-07
[86] 2022-09-15 (PCT/IB2022/058739)
[87] (WO2023/042130)
[30] US (63/245,480) 2021-09-17

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[51] **Int.Cl. F16L 55/13 (2006.01) F28F 11/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER TUBE PLUG INSTALLATION**
[54] **INSTALLATION DE BOUCHON DE TUBE D'ECHANGEUR DE CHALEUR**
[72] HALL, ANDREW, US
[72] KOTLYAR, ALEX, US
[72] SARKISSIAN, KA'REN, US
[71] EST GROUP, INC., US
[85] 2024-02-05
[86] 2022-08-03 (PCT/US2022/039231)
[87] (WO2023/014757)
[30] US (17/395,568) 2021-08-06

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[13] A1
[51] **Int.Cl. E21B 43/27 (2006.01) E21B 47/06 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **METHOD TO ENHANCE WELL COMPLETION THROUGH OPTIMIZED FRACTURE DIVERSION**
[54] **PROCEDE POUR AMELIORER LA COMPLETION D'UN PUITS PAR L'INTERMEDIAIRE D'UNE DEVIATION DE FRACTURE OPTIMISEE**
[72] KHAN, ABDUL MUQTADIR, SA
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039391)
[87] (WO2023/014864)
[30] US (63/230,482) 2021-08-06

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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/495 (2006.01)**
[25] EN
[54] **LPAR1 ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES DE LPAR1 ET LEURS UTILISATIONS**
[72] ROPPE, JEFFREY ROGER, US
[72] CHEN, AUSTIN CHIH-YU, US
[72] XIONG, YIFENG, US
[72] SCHRADER, THOMAS, US
[72] VALDEZ, LINO, US
[71] CONTINEUM THERAPEUTICS, INC., US
[85] 2024-02-05
[86] 2022-08-04 (PCT/US2022/039466)
[87] (WO2023/014908)
[30] US (63/229,858) 2021-08-05

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[25] EN
[54] **FLUSH BLIND FASTENER**
[54] **DISPOSITIF DE FIXATION EN AVEUGLE ENCASTRE**
[72] HAYLOCK, LUKE, US
[72] BALLS, TODD, US
[72] HUANG, JUNJIE, US
[72] GONZALEZ CAMPOS, DAVID JONATHAN, US
[71] HOWMET AEROSPACE INC., US
[85] 2024-02-07
[86] 2022-09-07 (PCT/US2022/042760)
[87] (WO2023/038975)
[30] US (63/241,368) 2021-09-07

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[13] A1
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING POST-COVID CONDITIONS OF FATIGUE**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DES AFFECTIONS DE FATIGUE POST-COVID-19**
[72] EQUELS, THOMAS K., US
[72] STRAYER, DAVID R., US
[71] AIM IMMUNOTECH INC., US
[85] 2024-02-07
[86] 2022-08-22 (PCT/US2022/075299)
[87] (WO2023/023676)
[30] US (63/235,388) 2021-08-20
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[13] A1
[51] **Int.Cl. E21B 10/60 (2006.01) E21B 10/61 (2006.01)**
[25] EN
[54] **DRILL BIT**
[54] **TREPAN**
[72] ZBARASKIY, VASILIY, GB
[72] BOTTON, BENOIT, GB
[72] TIPPLES, ROB, GB
[71] NOV DOWNHOLE EURASIA LIMITED, GB
[85] 2024-02-07
[86] 2022-07-28 (PCT/EP2022/071226)
[87] (WO2023/016821)
[30] GB (2111604.1) 2021-08-12

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[25] EN
[54] **APPARATUS FOR SUBRETINAL INJECTION**
[54] **APPAREIL D'INJECTION SOUS-RETINIENNE**
[72] GRUEBLER, RETO, CH
[72] LINSI, THOMAS, CH
[71] ALCON INC., CH
[85] 2024-02-07
[86] 2022-09-27 (PCT/IB2022/059195)
[87] (WO2023/053003)
[30] US (63/250,383) 2021-09-30

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[13] A1
[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES HETEROCYCLIQUES ET PROCEDES D'UTILISATION**
[72] YAMANO, MICHAEL M., US
[72] LI, YUNXIAO, US
[72] NAVARATNE, PRIMALI, US
[72] MEDINA, JOSE, US
[72] CHEN, NING, US
[72] PETTUS, LIPING, US
[72] RAHIMOFF, RENE, US
[72] LI, XIAOFEN, US
[72] STELLWAGEN, JOHN, US
[72] MANONI, FRANCESCO, US
[72] LI, KEXUE, US
[72] LANMAN, BRIAN ALAN, US
[72] WURZ, RYAN PAUL, US
[72] ZHAO, WEI, US
[72] RUI, HUAN, US
[72] ESHON, JOSEPHINE, US
[71] AMGEN INC., US
[85] 2024-02-05
[86] 2022-08-10 (PCT/US2022/039971)
[87] (WO2023/018812)
[30] US (63/231,543) 2021-08-10
[30] US (63/289,579) 2021-12-14

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 37/06 (2006.01)**
[25] EN
[54] **BISPECIFIC RECOMBINANT PROTEIN AND USE THEREOF**
[54] **PROTEINE RECOMBINANTE BISPECIFIQUE ET SON UTILISATION**
[72] HE, KE, CN
[72] SONG, LIPING, CN
[72] FAN, YI, CN
[72] CHEN, YINGJIAO, CN
[71] SHANGHAI TTM-BIO TECHNOLOGY CO., LTD., CN
[85] 2024-02-07
[86] 2022-08-12 (PCT/CN2022/112300)
[87] (WO2023/016568)
[30] CN (202110926743.1) 2021-08-12

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[54] **WIRELESS COMMUNICATIONS USING NON-RECIPROCAL RELAYS AND SPATIALLY-FED REPEATERS**
[54] **COMMUNICATIONS SANS FIL UTILISANT DES RELAIS NON RECIPROQUES ET DES REPETEURS ALIMENTES SPATIALEMENT**
[72] SETHI, GURSIMRAN SINGH, CA
[72] ESMAEILI, MAHBUBEH, CA
[72] VAHABZADEH JAMAIRAN, YOUSEF, CA
[72] TORNATTA JR., PAUL ANTHONY, CA
[72] YOST, DENNIS, CA
[71] LATYS INTELLIGENCE INC., CA
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[86] 2022-08-09 (PCT/IB2022/057411)
[87] (WO2023/017412)
[30] US (63/230,969) 2021-08-09

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[54] **RABBIT HAEMORRHAGIC DISEASE VIRUS (RHDV) VACCINES**
[54] **VACCINS CONTRE LE VIRUS DE LA MALADIE HEMORRAGIQUE DU LAPIN (VMHL)**
[72] YOUNG, ALAN JOHN, US
[71] VST LLC DBA MEDGENE LABS, US
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[86] 2022-08-05 (PCT/US2022/039595)
[87] (WO2023/014983)
[30] US (63/229,853) 2021-08-05

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[51] **Int.Cl. G01N 33/15 (2006.01) C12N 5/071 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS COMPRISING THERAPEUTIC COMPOUNDS AND IN VITRO MAMMALIAN SKIN**
[54] **METHODES FAISANT APPEL A DES COMPOSES THERAPEUTIQUES ET A UNE PEAU DE MAMMIFERE IN VITRO**
[72] JOUBERT, MARISA, US
[72] JOH, NATHAN H., US
[72] TOKUDA, JOSHUA M., US
[72] FERBAS, JOHN, US
[72] XIE, JIANSONG, US
[72] XIANG, DONG, US
[71] AMGEN INC., US
[85] 2024-02-05
[86] 2022-08-19 (PCT/US2022/075191)
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[30] US (63/235,371) 2021-08-20
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[25] EN
[54] **STORAGE CASE FOR STORING A POWER-DRIVEN PERSONAL CARE IMPLEMENT AND PERSONAL CARE KIT**
[54] **BOITIER DE STOCKAGE POUR STOCKER UN ACCESSOIRE DE SOINS PERSONNELS MOTORISE ET KIT DE SOINS PERSONNELS**
[72] JUNGNICKEL, UWE, US
[71] THE GILLETTE COMPANY LLC, US
[85] 2024-02-05
[86] 2022-08-15 (PCT/US2022/040313)
[87] (WO2023/022971)
[30] EP (21192362.8) 2021-08-20

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[54] **MULTI-ZONE FUEL ELEMENT**
[54] **ELEMENT COMBUSTIBLE MULTIZONE**
[72] TOTEMEIER, AARON, US
[71] LIGHTBRIDGE CORPORATION, US
[85] 2024-02-05
[86] 2022-08-29 (PCT/US2022/041808)
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[30] US (63/238,148) 2021-08-28

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[51] **Int.Cl. B32B 7/023 (2019.01)**
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[54] **A RECYCLABLE ARTICLE FOR PACKAGING**
[54] **ARTICLE RECYCLABLE POUR UN EMBALLAGE**
[72] BEZERRA, ARTUR TRALDI, NL
[72] NAIDOO, YUVESVERI, NL
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2024-02-07
[86] 2022-08-30 (PCT/EP2022/074119)
[87] (WO2023/041323)
[30] EP (21197005.8) 2021-09-15

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[54] **POSTERIOR VITREOUS DETACHMENT VITRECTOMY PROBE**
[54] **SONDE DE VITRECTOMIE POUR DECOLLEMENT POSTERIEUR DU VITRE**
[72] GRUEBLER, RETO, CH
[72] POURNARAS, JEAN-ANTOINE, CH
[72] CARDAMONE, MICHAEL SAM, US
[71] ALCON INC., CH
[85] 2024-02-07
[86] 2022-08-18 (PCT/IB2022/057762)
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[54] **DEVICES, METHODS AND COMPOSITIONS FOR REPRODUCTIVE ORGANS**
[54] **DISPOSITIFS, PROCEDES ET COMPOSITIONS POUR DES ORGANES REPRODUCTEURS**
[72] LEE-SEPSICK, KATHY, US
[72] SIPOS, JEREMY, US
[71] FEMASYS INC., US
[85] 2024-02-05
[86] 2022-09-11 (PCT/US2022/043170)
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[30] US (63/242,830) 2021-09-10

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[51] **Int.Cl. G01V 1/40 (2006.01) E21B 7/02 (2006.01) E21B 44/02 (2006.01) E21B 47/04 (2012.01) G01V 1/28 (2006.01)**
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[54] **DRILLING OPERATIONS FRICTION FRAMEWORK**
[54] **STRUCTURE DE FROTTEMENT POUR OPERATIONS DE FORAGE**
[72] GUTAROV, PAVEL, FR
[72] VALLET, LAURENT, FR
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-02-05
[86] 2022-08-05 (PCT/US2022/074597)
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[30] US (63/230,272) 2021-08-06

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[54] **UNDERGROUND MINING METHODS VIA BOREHOLES AND MULTILATERAL BLAST-HOLES**
[54] **PROCEDES D'EXPLOITATION MINIERE SOUTERRAINE PAR L'INTERMEDIAIRE DE TROUS DE FORAGE ET DE TROUS DE MINES MULTILATERAUX**
[72] PALMER, DANIEL B., US
[71] PALMER, DANIEL B., US
[85] 2024-02-07
[86] 2022-12-16 (PCT/US2022/053093)
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[54] **ASSEMBLY AND METHOD FOR THE MANAGEMENT OF AN AGRICULTURAL AREA**
[54] **DISPOSITIF ET PROCEDE DE CULTURE D'UNE ZONE AGRICOLE**
[72] FRANKO, JOSEF, DE
[71] AI. LAND GMBH, DE
[85] 2024-02-05
[86] 2022-08-03 (PCT/DE2022/100562)
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[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **GENERATION AND CHARACTERIZATION OF NOVEL TIM-4 BINDING AGENTS**
[54] **GENERATION ET CARACTERISATION DE NOUVEAUX AGENTS DE LIAISON A TIM-4**
[72] FRIETZE, KARLA, US
[72] JAYARAMAN, PADMINI, US
[72] SEAVEY, MATTHEW, US
[72] PRENDERGAST, JOHN, US
[72] GOLDSTEIN, NEIL, US
[72] WOLF, JEFFREY, US
[71] HEAT BIOLOGICS, INC., US
[85] 2024-02-07
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[30] US (63/231,455) 2021-08-10

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[51] **Int.Cl. F41G 7/22 (2006.01) F41G 3/14 (2006.01) F41G 3/32 (2006.01) F41G 7/00 (2006.01) G01J 1/02 (2006.01) G01S 7/497 (2006.01)**
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[54] **IMPROVEMENTS IN AND RELATING TO LASER DESIGNATOR PODS (LDP)**
[54] **AMELIORATIONS APPORTEES ET SE RAPPORTANT A DES NACELLES DE DESIGNATION LASER (LDP)**
[72] MURPHY, BEN ANTHONY, GB
[72] LEES, ADRIAN DUNCAN, GB
[71] BAE SYSTEMS PLC, GB
[85] 2024-02-06
[86] 2022-07-29 (PCT/GB2022/052015)
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[30] GB (2111359.2) 2021-08-06
[30] EP (21275105.1) 2021-08-06

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[25] EN
[54] **PYRIMIDINE DERIVATIVE, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING CANCER COMPRISING SAME AS ACTIVE INGREDIENT**
[54] **DERIVE DE PYRIMIDINE, SON PROCEDE DE PREPARATION ET COMPOSITION PHARMACEUTIQUE POUR PREVENIR OU TRAITER LE CANCER LE COMPRENANT EN TANT QUE PRINCIPE ACTIF**
[72] LEE, KWANGHO, KR
[72] DUGGIRALA, KRISHNA BABU, KR
[72] CHOI, GIL DON, KR
[72] CHAE, CHONG HAK, KR
[72] JUNG, MYOUNG EUN, KR
[72] LEE, YUJIN, KR
[72] CHO, BYOUNG CHUL, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, KR
[85] 2024-02-05
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[30] KR (10-2021-0102838) 2021-08-05
[30] KR (10-2022-0093706) 2022-07-28

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[51] **Int.Cl. G02F 1/1335 (2006.01) G02F 1/13357 (2006.01)**
[25] EN
[54] **LIQUID CRYSTAL DISPLAYS WITH POLARIZED INFRARED ILLUMINATION**
[54] **AFFICHAGES A CRISTAUX LIQUIDES A ECLAIRAGE INFRAROUGE POLARISE**
[72] PFEIFFER, MATTHIAS T., US
[71] NEW VISION DISPLAY, INC., US
[85] 2024-02-06
[86] 2021-08-06 (PCT/US2021/045089)
[87] (WO2023/014377)

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[51] **Int.Cl. G16H 30/00 (2018.01) G16H 50/30 (2018.01) G06N 20/00 (2019.01) G06V 20/13 (2022.01) A61B 6/00 (2024.01) G06N 3/02 (2006.01)**
[25] EN
[54] **TISSUE STATE GRAPHIC DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE GRAPHIQUE D'ETAT TISSULAIRE**
[72] VILLONGCO, CHRISTOPHER J. T., US
[72] GERONEMUS, ADAM R., US
[72] KRUMMEN, ROBERT JOSEPH, US
[71] VEKTOR MEDICAL, INC., US
[85] 2024-02-06
[86] 2022-08-05 (PCT/US2022/039627)
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[30] US (63/231,022) 2021-08-09

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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/5377 (2006.01) C07D 403/14 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES HETEROCYCLIQUES ET PROCEDES D'UTILISATION**
[72] LANMAN, BRIAN ALAN, US
[72] ZHAO, WEI, US
[72] WURZ, RYAN PAUL, US
[72] NAVARATNE, PRIMALI, US
[72] PETTUS, LIPING, US
[72] YAMANO, MICHAEL M., US
[72] CHEN, NING, US
[72] RAHIMOFF, RENE, US
[72] MANONI, FRANCESCO, US
[72] STELLWAGEN, JOHN, US
[71] AMGEN INC., US
[85] 2024-02-06
[86] 2022-08-10 (PCT/US2022/039969)
[87] (WO2023/018810)
[30] US (63/231,543) 2021-08-10
[30] US (63/289,578) 2021-12-14
[30] US (63/299,667) 2022-01-14

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[54] **IN VITRO METHOD OF INVASIVE AND DUCTAL CELL GROWTH**
[54] **PROCEDE IN VITRO DE CROISSANCE CELLULAIRE INVASIVE ET CANALAIRE**
[72] GANZ, HILARY, DE
[72] ENGELBRECHT, LISA, DE
[72] SCHEEL, CHRISTINA, DE
[72] BAUSCH, ANDREAS, DE
[72] BUCHMANN, BENEDIKT, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
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[30] EP (21193574.7) 2021-08-27

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[51] **Int.Cl. A61K 47/50 (2017.01) A61K 47/54 (2017.01) A61K 47/56 (2017.01) C07C 237/06 (2006.01) C07D 213/80 (2006.01) C07D 233/61 (2006.01)**
[25] EN
[54] **THERAPEUTIC COORDINATION POLYMERS CONTAINING PHARMACEUTICALS FOR DRUG RELEASE APPLICATIONS**
[54] **POLYMERES DE COORDINATION THERAPEUTIQUES CONTENANT DES PRODUITS PHARMACEUTIQUES POUR DES APPLICATIONS DE LIBERATION DE MEDICAMENT**
[72] VUKOTIC, VEDRAN NICHOLAS, CA
[72] MURPHY, JENNIFER NICOLE, CA
[72] KOBTI, JOY-LYNN, CA
[72] DAO, MICHELLE, CA
[71] UNIVERSITY OF WINDSOR, CA
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[86] 2022-08-05 (PCT/CA2022/000035)
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[30] US (63/230,289) 2021-08-06

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[51] **Int.Cl. G01H 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR RESONANCE ANALYSIS OF A VIBRATION MACHINE**
[54] **PROCEDE D'ANALYSE PAR RESONANCE D'UNE MACHINE VIBRANTE**
[72] SCHAEFER, JAN, DE
[71] SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED, AU
[85] 2024-02-05
[86] 2022-07-07 (PCT/EP2022/068821)
[87] (WO2023/011833)
[30] DE (10 2021 120 494.1) 2021-08-06

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[51] **Int.Cl. C07D 491/147 (2006.01) A61K 31/436 (2006.01) C07D 491/22 (2006.01)**
[25] EN
[54] **CAMPTOTHECIN DERIVATIVE, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **DERIVE DE CAMPTOTHECINE, COMPOSITION PHARMACEUTIQUE ET LEUR UTILISATION**
[72] LI, ZHEN, CN
[72] TANG, FENG, CN
[72] FU, YAYUAN, CN
[72] LIU, LIFENG, CN
[72] ZHAO, CHUNYAN, CN
[72] TANG, RENHONG, CN
[72] REN, JINSHENG, CN
[71] SIMCERE ZAIMING PHARMACEUTICAL CO., LTD., CN
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[87] (WO2023/020605)
[30] CN (202110955364.5) 2021-08-19
[30] CN (202111515247.3) 2021-12-13
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[25] EN
[54] **PROCESS AND PLANT FOR RECYCLING ZINC OXIDE RESIDUES**
[54] **PROCEDE ET INSTALLATION DE RECYCLAGE DE RESIDUS D'OXYDE DE ZINC**
[72] GUNTHER, JOCHEN, DE
[72] WROBEL, MACIEJ, DE
[72] HAMMERSCHMIDT, JORG, DE
[72] SCHMIDT, EBERHARD, DE
[72] HIRSCH, SEBASTIAN, DE
[71] METSO METALS OY, FI
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[13] A1
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[54] **CUSTOMIZED INTEGRATED OSTOMY POUCH COMFORT PANEL AND POUCH COVER AND METHOD OF MAKING SAME**
[54] **PANNEAU DE CONFORT DE POCHE DE STOMIE INTEGRE PERSONNALISE ET COUVERCLE DE POCHE ET PROCEDE DE FABRICATION ASSOCIE**
[72] JOCKEL, MARK W., US
[72] MENONI, JESSE E., US
[71] HOLLISTER INCORPORATED, US
[85] 2024-02-07
[86] 2022-09-13 (PCT/US2022/043316)
[87] (WO2023/043721)
[30] US (63/244,509) 2021-09-15

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[51] **Int.Cl. A61K 8/33 (2006.01) A61K 8/34 (2006.01) A61K 8/36 (2006.01)**
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[54] **FRAGRANCE COMPOSITIONS**
[54] **COMPOSITIONS DE PARFUM**
[72] FERREIRA, JAIME MANUEL, US
[72] LI, GENG, US
[72] BLAKE, ALICIA MARIE, US
[71] ELC MANAGEMENT LLC, US
[85] 2024-02-07
[86] 2022-08-08 (PCT/US2022/039756)
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[51] **Int.Cl. H02K 53/00 (2006.01) H02K 7/06 (2006.01) H02K 49/10 (2006.01)**
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[54] **APPARATUS AND PROCESS FOR CONVERSION OF ENERGY**
[54] **APPAREIL ET PROCEDE DE CONVERSION D'ENERGIE**
[72] SPRAIN, HARRY PAUL, US
[71] QUANTUM DYNAMICS ENTERPRISES, INC., US
[85] 2024-02-06
[86] 2022-08-08 (PCT/US2022/039726)
[87] (WO2023/018664)
[30] US (63/230,892) 2021-08-09

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[51] **Int.Cl. C05B 1/02 (2006.01) C05G 5/12 (2020.01) C05G 5/40 (2020.01) C05B 1/04 (2006.01) C05B 1/06 (2006.01) C05B 1/10 (2006.01) C05B 11/08 (2006.01) C05B 11/10 (2006.01) C05B 19/02 (2006.01) C05D 9/02 (2006.01)**
[25] EN
[54] **COHERENT DISPERSIBLE GRANULES AND METHODS FOR FORMING COHERENT DISPERSIBLE GRANULES**
[54] **GRANULES DISPERSIBLES COHERENTS ET PROCEDES DE FORMATION DE GRANULES DISPERSIBLES COHERENTS**
[72] ISAACSON, KYLE J., US
[72] WALTZ, AARON, US
[72] SWISHER, HUNTER R., US
[71] PHOSPHOLUTIONS INC., US
[85] 2024-02-07
[86] 2022-08-24 (PCT/US2022/041364)
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[30] US (63/236,853) 2021-08-25

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[54] **COMMUNICATION FOR SMALL DATA TRANSMISSION**
[54] **COMMUNICATION POUR UNE TRANSMISSION DE PETITES DONNEES**
[72] KOSKINEN, JUSSI-PEKKA, FI
[72] TURTINEN, SAMULI HEIKKI, FI
[72] WU, CHUNLI, CN
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2024-02-07
[86] 2021-08-24 (PCT/CN2021/114296)
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[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **NON-INVASIVE MEASUREMENT OF ENDOGENOUS S-NITROSOTHIOLS**
[54] **MESURE NON INVASIVE DE S-NITROSOTHIOLS ENDOGENES**
[72] STAMLER, JONATHAN S., US
[72] PEIKON, EVAN, US
[71] UNIVERSITY HOSPITALS CLEVELAND MEDICAL CENTER, US
[71] NNOXX, INC., US
[85] 2024-02-07
[86] 2022-08-11 (PCT/US2022/040045)
[87] (WO2023/018861)
[30] US (63/232,686) 2021-08-13
[30] US (63/289,470) 2021-12-14
[30] US (63/339,871) 2022-05-09
[30] US (63/347,661) 2022-06-01

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[51] **Int.Cl. C12N 15/86 (2006.01) C07K 14/435 (2006.01)**
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[54] **TREATMENT OF MUSCULAR DYSTROPHY**
[54] **TRAITEMENT DE LA DYSTROPHIE MUSCULAIRE**
[72] BROWN, KRISTY JEAN, US
[72] GREEN, JENNIFER, US
[71] SOLID BIOSCIENCES INC., US
[85] 2024-02-06
[86] 2022-08-11 (PCT/US2022/040030)
[87] (WO2023/018854)
[30] US (63/231,720) 2021-08-11

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[25] EN
[54] **ENGINEERED HIGH FIDELITY OMNI-50 NUCLEASE VARIANTS**
[54] **VARIANTS DE NUCLEASE OMNI-50 A HAUTE FIDELITE MODIFIES**
[72] IZHAR, LIOR, IL
[72] EMMANUEL, RAFI, IL
[72] ROCKAH, LIAT, IL
[72] HERMAN, ASAEL, IL
[71] EMENDOBIO INC., US
[85] 2024-02-07
[86] 2022-08-12 (PCT/US2022/074930)
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[30] US (63/333,037) 2022-04-20
[30] US (63/332,214) 2022-04-18

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[13] A1
[25] EN
[54] **VENTILATION AND AIR-CONDITIONING SYSTEM**
[54] **SYSTEME DE VENTILATION ET DE CLIMATISATION**
[72] DA SILVA WEBER, CHRISTOF, DE
[72] TRIEBEL, NANCY, DE
[71] FRAMATOME GMBH, DE
[85] 2024-02-07
[86] 2022-07-06 (PCT/EP2022/068702)
[87] (WO2023/016710)
[30] DE (10 2021 120 799.1) 2021-08-10

[21] **3,228,368**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/92 (2006.01) C01F 5/22 (2006.01) C01F 11/18 (2006.01) C02F 1/461 (2006.01) C02F 1/52 (2006.01) C02F 5/02 (2006.01) C25B 1/02 (2006.01) C25B 1/16 (2006.01) C25B 1/26 (2006.01)**
[25] EN
[54] **PRODUCED WATER TREATMENT WITH CO2 ABSORPTION**
[54] **TRAITEMENT D'EAU PRODUITE A L'AIDE D'ABSORPTION DE CO2**
[72] SHIELDS, AUSTIN J., US
[71] SHIELDS, AUSTIN J., US
[85] 2024-02-06
[86] 2022-08-17 (PCT/US2022/040611)
[87] (WO2023/023163)
[30] US (63/234,443) 2021-08-18
[30] US (17/820,086) 2022-08-16

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[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/437 (2006.01) A61P 11/06 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **FUSED BICYCLIC HETEROARYL COMPOUNDS USEFUL AS NLRP3 INHIBITORS**
[54] **COMPOSES HETEROARYLE BICYCLIQUES FUSIONNES UTILES EN TANT QU'INHIBITEURS DE NLRP3**
[72] AITKEN, LEWIS SCOTT, GB
[72] BOUCHE, LEA AURELIE, CH
[72] GUBA, WOLFGANG, CH
[72] JAESCHKE, GEORG, CH
[72] JOHNSTON, HEATHER JENNIFER, GB
[72] MESCH, STEFANIE KATHARINA, CH
[72] PATINY-ADAM, ANGELIQUE, CH
[72] SHANNON, JONATHAN MARTIN, GB
[72] SCHNIDER, CHRISTIAN, CH
[72] STEINER, SANDRA, CH
[72] TOSSTORFF, ANDREAS MICHAEL, CH
[71] F. HOFFMAN-LA ROCHE AG, CH
[85] 2024-02-06
[86] 2022-10-17 (PCT/EP2022/078755)
[87] (WO2023/066825)
[30] EP (21203314.6) 2021-10-19
[30] EP (22174872.6) 2022-05-23

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[13] A1
[51] **Int.Cl. B05C 17/015 (2006.01) B05C 17/01 (2006.01)**
[25] EN
[54] **COMPOUND APPLICATOR**
[54] **APPLICATEUR DE COMPOSE**
[72] JUNGKLAUS, MATTHEW W., US
[72] VENTURA, MICHAEL T., US
[71] AMES TOOLS CORPORATION, US
[85] 2024-02-07
[86] 2022-10-07 (PCT/US2022/077778)
[87] (WO2023/060247)
[30] US (63/253,199) 2021-10-07

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[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A61K 31/198 (2006.01) A61K 31/4045 (2006.01) A61K 36/53 (2006.01) A61K 36/84 (2006.01) A61P 25/00 (2006.01) A61P 25/20 (2006.01)**
[25] EN
[54] **SLEEP PRODUCT**
[54] **PRODUIT POUR FAVORISER LE SOMMEIL**
[72] WANG, HONG, US
[71] SHAKLEE CORPORATION, US
[85] 2024-02-06
[86] 2022-05-19 (PCT/US2022/030050)
[87] (WO2023/018461)
[30] US (17/398,811) 2021-08-10

[21] **3,228,373**
[13] A1
[25] EN
[54] **NOVEL OMNI 115, 124, 127, 144-149, 159, 218, 237, 248, 251-253 AND 259 CRISPR NUCLEASES**
[54] **NOUVELLES NUCLEASES CRISPR OMNI 115, 124 127, 144-149, 159, 218, 237, 248, 251-253 ET 259**
[72] IZHAR, LIOR, IL
[72] MARBACH BAR, NADAV, IL
[72] ROCKAH, LIAT, IL
[72] MERON, NURIT, IL
[72] ADIV TAL, OPHIR, IL
[72] GISPAN, ARIEL, IL
[72] BUCH, IDIT, IL
[71] EMENDOBIO INC., US
[85] 2024-02-07
[86] 2022-08-12 (PCT/US2022/074941)
[87] (WO2023/019269)
[30] US (63/232,723) 2021-08-13

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[13] A1
[51] **Int.Cl. C07F 7/00 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) C09D 5/00 (2006.01) C11D 3/00 (2006.01)**
[25] EN
[54] **COMPOUND IN THE FORM OF PARTICLES FUNCTIONALIZED WITH HIGH PERCENTAGE IONIC METAL, AND ITS USE AS AN ANTIMICROBIAL**
[54] **COMPOSE SOUS FORME DE PARTICULES FONCTIONNALISEES AYANT UN METAL IONIQUE A FORT POURCENTAGE, ET SON UTILISATION EN TANT QU'AGENT ANTIMICROBIEN**
[72] MARCELLONI, LUCIANO, IT
[72] ORSATTI, ANNA, IT
[71] NTC S.R.L., IT
[85] 2024-02-06
[86] 2022-08-31 (PCT/IB2022/058173)
[87] (WO2023/031822)
[30] IT (102021000022595) 2021-08-31

[21] **3,228,375**
[13] A1
[51] **Int.Cl. C08J 7/04 (2020.01) C08J 7/048 (2020.01) D21H 19/20 (2006.01) D21H 19/22 (2006.01) D21H 19/34 (2006.01)**
[25] EN
[54] **BEVERAGE CONTAINER WITH A MOISTURE AND OXYGEN BARRIER FUNCTION**
[54] **RECIPIENT POUR BOISSON AVEC UNE FONCTION DE BARRIERE ANTI-HUMIDITE ET ANTI-OXYDATION**
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
[72] PAVAN, CHIARA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-02-07
[86] 2022-09-01 (PCT/EP2022/074282)
[87] (WO2023/041333)
[30] EP (21196470.5) 2021-09-14

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[13] A1
[51] **Int.Cl. A01N 27/00 (2006.01) A01N 65/22 (2009.01) A01N 25/02 (2006.01) A01N 37/06 (2006.01) A01P 7/04 (2006.01) A61K 31/01 (2006.01) A61K 36/534 (2006.01)**
[25] EN
[54] **PEDICULICIDAL COMPOSITION**
[54] **COMPOSITION PEDICULICIDE**
[72] EERTMANS, FRANK, BE
[72] ROSSEL, BART, BE
[72] VAN GANSE, MIKE, BE
[71] OYSTERSHELL NV, BE
[85] 2024-02-06
[86] 2022-08-12 (PCT/EP2022/072707)
[87] (WO2023/017166)
[30] BE (2021/5649) 2021-08-13

[21] **3,228,380**
[13] A1
[25] EN
[54] **TRUE LIVING ORGANIC SOIL BED SYSTEM**
[54] **SYSTEME A LIT DE SOL ORGANIQUE VIVANT VERITABLE**
[72] LUND, BRIAN ROY, US
[72] GUY, BRYAN, US
[72] ROELFS, MICHAEL, US
[71] LUND, BRIAN ROY, US
[71] GUY, BRYAN, US
[71] ROELFS, MICHAEL, US
[85] 2024-02-07
[86] 2022-08-02 (PCT/US2022/039118)
[87] (WO2023/018576)
[30] US (17/398,223) 2021-08-10

[21] **3,228,383**
[13] A1
[51] **Int.Cl. B01J 38/48 (2006.01) B01J 23/96 (2006.01) B01J 38/70 (2006.01) C07C 29/141 (2006.01) C07C 29/145 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WET AIR OXIDATION REGENERATION OF CATALYSTS**
[54] **SYSTEMES ET PROCEDES DE REGENERATION PAR OXYDATION D'AIR HUMIDE DE CATALYSEURS**
[72] BLOMMEL, PAUL G., US
[72] ANSON, COLIN, US
[72] VAN STRATEN, MATT, US
[72] STEENWINKEL, EDGAR, US
[72] HOLLAND, CHRIS, US
[72] GEARING, RAUF EDWARD JOHN, GB
[72] FERGUSON, CHRISTOPHER, GB
[72] WILD, ROBERT ANTHONY, GB
[72] CAMPBELL, IAN, GB
[71] VIRENT, INC., US
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2024-02-07
[86] 2022-08-18 (PCT/US2022/040820)
[87] (WO2023/023290)
[30] US (63/235,037) 2021-08-19

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[13] A1
[51] **Int.Cl. C04B 28/04 (2006.01) C08L 1/28 (2006.01)**
[25] EN
[54] **HIGH SOLIDS CELLULOSE ETHER AND SUPERPLASTICIZER DISPERSION**
[54] **ETHER DE CELLULOSE A EXTRAIT SEC ELEVE ET DISPERSION DE SUPERPLASTIFIANTS**
[72] LEVIN, JESSICA R., US
[72] RADLER, MICHAEL J., US
[72] FAN, YI, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2024-02-07
[86] 2022-07-27 (PCT/US2022/038482)
[87] (WO2023/018550)
[30] US (63/231,356) 2021-08-10

[21] **3,228,385**
[13] A1
[51] **Int.Cl. H04W 12/062 (2021.01)**
[25] EN
[54] **SECURE CHANNEL ESTABLISHING METHOD AND APPARATUS, AND RELATED DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL D'ETABLISSEMENT DE CANAL SECURISE, DISPOSITIF ASSOCIE ET SUPPORT D'ENREGISTREMENT ASSOCIE**
[72] HUANG, XIAOTING, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-02-07
[86] 2022-08-08 (PCT/CN2022/110922)
[87] (WO2023/016420)
[30] CN (202110910311.1) 2021-08-09

[21] **3,228,387**
[13] A1
[51] **Int.Cl. H04B 7/0426 (2017.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR ORTHOGONAL STREAM SPATIAL MULTIPLEXING AND BEAMFORMING**
[54] **PROCEDES ET APPAREIL DE MULTIPLEXAGE SPATIAL DE FLUX ORTHOGONAL ET DE FORMATION DE FAISCEAU**
[72] RIOS, CARLOS A., US
[71] RIOS, CARLOS A., US
[85] 2024-02-06
[86] 2021-08-24 (PCT/US2021/047409)
[87] (WO2022/046813)
[30] US (17/006,731) 2020-08-28

[21] **3,228,388**
[13] A1
[51] **Int.Cl. F16L 19/08 (2006.01) F16L 37/091 (2006.01) F16L 19/065 (2006.01)**
[25] EN
[54] **PIPE FITTING WITH GRIP RING**
[54] **RACCORD DE TUYAU A BAGUE DE PREHENSION**
[72] LARSON, RYAN FAIRCHILD, US
[71] MUELLER INTERNATIONAL, LLC, US
[85] 2024-02-07
[86] 2022-08-18 (PCT/US2022/040780)
[87] (WO2023/043568)
[30] US (17/475,425) 2021-09-15

[21] **3,228,389**
[13] A1
[25] EN
[54] **COMPRESSOR ASSEMBLY COMPRISING A MOTOR DRIVING ONE OR MORE COMPRESSOR ROTORS AND METHOD FOR FABRICATING A HOUSING PART OF SUCH A COMPRESSOR ASSEMBLY.**
[54] **ENSEMBLE COMPRESSEUR COMPRENANT UN MOTEUR ENTRAINANT UN OU PLUSIEURS ROTORS DE COMPRESSEUR ET PROCEDE DE FABRICATION D'UNE PARTIE DE CARTER D'UN TEL ENSEMBLE COMPRESSEUR**
[72] SWERTS, THOMAS LUC, BE
[72] MATHYS, FLIP FRANS, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[85] 2024-02-07
[86] 2022-07-12 (PCT/EP2022/069474)
[87] (WO2023/016737)
[30] BE (BE2021/5642) 2021-08-12
[30] BE (2022/5229) 2022-03-30

[21] **3,228,390**
[13] A1
[51] **Int.Cl. C08L 23/06 (2006.01) C08L 23/08 (2006.01) H01B 7/29 (2006.01)**
[25] EN
[54] **FLAME RETARDANT POLYMERIC COMPOSITIONS**
[54] **COMPOSITIONS POLYMERES IGNIFUGES**
[72] SEVEN, KARL M., US
[72] WILLIAMSON, ALEXANDER, US
[72] SABA, STACEY A., US
[72] BRIGANDI, PAUL J., US
[72] COGEN, JEFFREY M., US
[72] ESSEGHIR, MOHAMED, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-02-07
[86] 2022-08-09 (PCT/US2022/074698)
[87] (WO2023/019130)
[30] US (63/232,055) 2021-08-11

[21] **3,228,391**
[13] A1
[51] **Int.Cl. C25B 1/042 (2021.01) C25B 15/021 (2021.01) C25B 15/08 (2006.01)**
[25] FR
[54] **HIGH-TEMPERATURE ELECTROLYSER SYSTEM OPTIMISED BY A RECOVERY MODULE WITH AN INTERMEDIATE CIRCUIT**
[54] **SYSTEME D'ELECTROLYSEUR HAUTE TEMPERATURE OPTIMISE PAR UN MODULE DE RECUPERATION A CIRCUIT INTERMEDIAIRE**
[72] DUMOULIN, PIERRE, FR
[72] TAUVERON, NICOLAS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2024-02-07
[86] 2022-08-08 (PCT/EP2022/072269)
[87] (WO2023/016998)
[30] FR (FR2108605) 2021-08-10

[21] **3,228,394**
[13] A1
[51] **Int.Cl. A61K 8/40 (2006.01) A61K 8/41 (2006.01)**
[25] EN
[54] **COMPOSITIONS, FORMULATIONS, AND METHODS FOR HAIR TREATMENT**
[54] **COMPOSITIONS, FORMULATIONS ET METHODES DE TRAITEMENT CAPILLAIRE**
[72] BOPPANA, AVINASH, US
[72] ZHANG, KONGYU, US
[72] ZHAO, EVAN, US
[72] COLEY, CONNOR WILSON, US
[72] LEE, ELIZABETH, US
[72] HUA, TIFFANY, US
[72] LE, AMY, US
[71] ODDITY LABS, LLC, US
[85] 2024-02-07
[86] 2022-08-09 (PCT/US2022/039800)
[87] (WO2023/018694)
[30] US (63/231,533) 2021-08-10

[21] **3,228,395**
[13] A1
[51] **Int.Cl. C08F 26/02 (2006.01) A61P 39/04 (2006.01)**
[25] EN
[54] **CROSS-LINKED POLYMERIC CHELATORS COMPOSITIONS AND USE THEREOF**
[54] **COMPOSITIONS DE CHELATEURS POLYMERES RETICULES ET LEUR UTILISATION**
[72] BERKLAND, CORY, US
[72] QIAN, JIAN, US
[71] THE UNIVERSITY OF KANSAS, US
[85] 2024-02-07
[86] 2022-08-12 (PCT/US2022/040250)
[87] (WO2023/018989)
[30] US (63/233,024) 2021-08-13
[30] US (63/316,831) 2022-03-04

[21] **3,228,396**
[13] A1
[51] **Int.Cl. G01S 17/894 (2020.01)**
[25] EN
[54] **WORK MACHINE GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DETECTION D'USURE ET DE PERTE D'OUTIL DE MISE EN PRISE AVEC LE SOL D'UNE MACHINE DE TRAVAIL**
[72] MIANZO, LAWRENCE A., US
[72] OBLAK, TOD A., US
[72] PLOUZEK, JOHN M., US
[72] WISE, RAYMOND A., US
[72] MATHEW, SHAWN N., US
[72] ADLER, DANIEL P., US
[71] CATERPILLAR INC., US
[85] 2024-02-07
[86] 2022-07-26 (PCT/US2022/038292)
[87] (WO2023/018540)
[30] US (17/399,433) 2021-08-11

[21] **3,228,398**
[13] A1
[51] **Int.Cl. C01D 5/02 (2006.01) C01D 15/02 (2006.01) C01D 15/08 (2006.01) C22B 3/08 (2006.01) C22B 3/44 (2006.01) C22B 26/12 (2006.01) H01M 6/52 (2006.01)**
[25] EN
[54] **PROCESSING HARD ROCK LITHIUM MINERALS OR OTHER MATERIALS TO PRODUCE LITHIUM MATERIALS AND BYPRODUCTS CONVERTED FROM A SODIUM SULFATE INTERMEDIATE PRODUCT**
[54] **TRAITEMENT DE MINERAUX DE LITHIUM DE ROCHE DURE OU D'AUTRES MATERIAUX POUR PRODUIRE DES MATERIAUX DE LITHIUM ET DES SOUS-PRODUITS CONVERTIS A PARTIR D'UN PRODUIT INTERMEDIAIRE DE SULFATE DE SODIU**
[72] CAO, NAIZHEN, CA
[71] FRONTIER LITHIUM INC., CA
[85] 2024-02-07
[86] 2022-08-29 (PCT/IB2022/058067)
[87] (WO2023/026261)
[30] US (63/237,900) 2021-08-27

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[13] A1
[51] **Int.Cl. C01D 15/02 (2006.01) C01D 15/08 (2006.01) C22B 3/08 (2006.01) C22B 3/44 (2006.01) C22B 26/12 (2006.01) H01M 6/52 (2006.01)**
[25] EN
[54] **PROCESSING HARD ROCK LITHIUM MINERALS OR OTHER MATERIALS TO PRODUCE BOTH LITHIUM CARBONATE AND LITHIUM HYDROXIDE**
[54] **TRAITEMENT DE MINERAUX DE LITHIUM DE ROCHE DURE OU D'AUTRES MATERIAUX POUR PRODUIRE A LA FOIS DU CARBONATE DE LITHIUM ET DE L'HYDROXYDE DE LITHIUM**
[72] CAO, NAIZHEN, CA
[71] FRONTIER LITHIUM INC., CA
[85] 2024-02-07
[86] 2022-08-27 (PCT/IB2022/058032)
[87] (WO2023/026259)
[30] US (63/237,996) 2021-08-27

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[13] A1
[51] **Int.Cl. B01J 38/12 (2006.01) B01J 21/06 (2006.01) B01J 23/63 (2006.01) B01J 37/02 (2006.01) B01J 38/16 (2006.01) C07C 5/32 (2006.01)**
[25] EN
[54] **PROCESSES FOR REGENERATING CATALYSTS AND FOR UPGRADING ALKANES AND/OR ALKYL AROMATIC HYDROCARBONS**
[54] **PROCEDES POUR LA REGENERATION DE CATALYSEURS ET POUR LA REVALORISATION D'HYDROCARBURES ALCANES ET/OU AROMATIQUES ALKYLIQUES**
[72] BAO, XIAOYING, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-02-07
[86] 2022-07-25 (PCT/US2022/038131)
[87] (WO2023/018538)
[30] US (63/231,946) 2021-08-11

[21] **3,228,401**
[13] A1
[25] EN
[54] **SYSTEM AND COMPUTER-IMPLEMENTED METHOD FOR DETERMINING WEAR LEVELS OF A GROUND ENGAGING TOOL OF A WORK MACHINE INDICATIVE OF A TOOL REPLACEMENT CONDITION**
[54] **SYSTEME ET PROCEDE MIS EN OUVRE PAR ORDINATEUR POUR DETERMINER LES NIVEAUX D'USURE D'UN OUTIL DE MISE EN PRISE AVEC LE SOL D'UN ENGIN DE CHANTIER INDIQUANT UN ETAT DE REMPLACEMENT DE L'OUTI**
[72] MIANZO, LAWRENCE A., US
[72] OBLAK, TOD A., US
[72] MATHEW, SHAWN NAINAN, US
[72] PLOUZEK, JOHN M., US
[72] WISE, RAYMOND ALAN, US
[72] ADLER, DANIEL PAUL, US
[71] CATERPILLAR INC., US
[85] 2024-02-07
[86] 2022-07-22 (PCT/US2022/037977)
[87] (WO2023/018535)
[30] US (17/399,199) 2021-08-11

[21] **3,228,402**
[13] A1
[51] **Int.Cl. A61K 35/19 (2015.01)**
[25] EN
[54] **PLATELETS TRANSFECTED WITH SIRNA AND THE THERAPEUTIC USES THEREOF**
[54] **PLAQUETTES TRANSFECTEES AVEC UN ARNSI ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] GRESELE, PAOLO, IT
[72] MALVESTITI, MARCO, IT
[71] PLASFER S.R.L., IT
[85] 2024-02-07
[86] 2022-08-10 (PCT/EP2022/072484)
[87] (WO2023/017096)
[30] IT (102021000021779) 2021-08-11

[21] **3,228,403**
[13] A1
[51] **Int.Cl. B65D 39/12 (2006.01) A47J 43/042 (2006.01) B67B 1/04 (2006.01) B67B 7/06 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SELF RELEASING CHAMPAGNE CORK WITH ELECTROMECHANICAL RELEASE MECHANISM**
[54] **SYSTEME ET PROCEDE DE LIBERATION AUTOMATIQUE DE BOUCHON DE CHAMPAGNE AVEC MECANISME DE LIBERATION ELECTROMECANIQUE**
[72] CHRISTIAN, MICHAEL B., US
[71] CHRISTIAN, MICHAEL B., US
[85] 2024-02-07
[86] 2022-10-18 (PCT/US2022/047014)
[87] (WO2023/023413)
[30] US (17/960,472) 2022-10-05
[30] US (17/960,661) 2022-10-05

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[13] A1
[51] **Int.Cl. B01F 27/00 (2022.01) D21B 1/34 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **MOBILE DISPERSION SYSTEM AND METHODS FOR THE RESUSPENSION OF DRIED MICROFIBRILLATED CELLULOSE**
[54] **SYSTEME DE DISPERSION MOBILE ET PROCEDES DE RESUSPENSION DE CELLULOSE MICROFIBRILLEE SECHEE**
[72] TAHAMTAN, PAYMAAN, GB
[72] WINDEBANK, MARK, GB
[72] SKUSE, DAVID R., GB
[71] FIBERLEAN TECHNOLOGIES LIMITED, GB
[85] 2024-02-07
[86] 2022-09-07 (PCT/IB2022/000594)
[87] (WO2023/037167)
[30] US (63/241,700) 2021-09-08

[21] **3,228,405**
[13] A1
[51] **Int.Cl. B01F 27/00 (2022.01) D21B 1/34 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **MOBILE DISPERSION SYSTEM AND METHODS FOR THE RESUSPENSION OF PARTIALLY-DRIED MICROFIBRILLATED CELLULOSE**
[54] **SYSTEME DE DISPERSION MOBILE ET PROCEDES DE RESUSPENSION DE CELLULOSE MICROFIBRILLEE PARTIELLEMENT SECHEE**
[72] BONDS, CHRIS, GB
[72] DU TOIT, STEPHAN, GB
[72] BULSON, BEN, GB
[72] TELLIER, GUILLAUME, BE
[72] WINDEBANK, MARK, GB
[72] SKUSE, DAVID, GB
[71] FIBERLEAN TECHNOLOGIES LIMITED, GB
[85] 2024-02-07
[86] 2022-09-07 (PCT/IB2022/000500)
[87] (WO2023/037161)
[30] US (63/241,700) 2021-09-08

[21] **3,228,406**
[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
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[54] **PROFILAGE EPITRANSCRIPTOMIQUE IN SITU**
[72] WANG, XIAO, US
[72] ZENG, HU, US
[72] REN, JINGYI, US
[72] TIAN, JIAKUN, US
[72] GUO, JIANTING, US
[71] THE BROAD INSTITUTE, INC., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-02-07
[86] 2022-08-10 (PCT/US2022/039895)
[87] (WO2023/018756)
[30] US (63/231,585) 2021-08-10

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[13] A1
[25] EN
[54] **MICROBIAL FERMENTATION FOR THE PRODUCTION OF ISOPRENOID ALCOHOLS AND DERIVATIVES**
[54] **FERMENTATION MICROBIENNE POUR LA PRODUCTION D'ALCOOLS ISOPRENOIDES ET DE DERIVES**
[72] SIMPSON, SEAN DENNIS, US
[72] KOEPKE, MICHAEL, US
[72] NORMAN, RUPERT OLIVER JOHN, US
[72] GARG, SHIVANI, US
[71] LANZATECH, INC., US
[85] 2024-02-07
[86] 2022-08-22 (PCT/US2022/075292)
[87] (WO2023/028459)
[30] US (63/260,534) 2021-08-24

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[13] A1
[51] **Int.Cl. C08F 12/02 (2006.01)**
[25] EN
[54] **SMALL-PARTICLE SIZE POLYMERIC CHELATORS**
[54] **CHELATEURS POLYMERES A PARTICULES DE PETITE TAILLE**
[72] BERKLAND, CORY, US
[72] QIAN, JIAN, US
[71] THE UNIVERSITY OF KANSAS, US
[85] 2024-02-07
[86] 2022-08-12 (PCT/US2022/040247)
[87] (WO2023/018987)
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[54] **CONTAINERS**
[54] **CONTENANTS**
[72] DRECHSLER, ALFONSE, US
[72] OLESEN, STEVEN A., US
[71] INSTANT BRANDS HOLDINGS INC., US
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[86] 2022-09-23 (PCT/US2022/044510)
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[30] US (63/248,926) 2021-09-27

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[51] **Int.Cl. C07D 413/14 (2006.01)**
[25] EN
[54] **SULFONAMIDE DERIVATIVE, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF**
[54] **DERIVE DE SULFONAMIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION MEDICALE**
[72] ZHANG, XIAOMIN, CN
[72] HU, WEIMIN, CN
[72] HE, FENG, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL, CN
[85] 2024-02-07
[86] 2022-08-10 (PCT/CN2022/111395)
[87] (WO2023/016484)
[30] CN (202110913249.1) 2021-08-10
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[30] CN (202111500231.5) 2021-12-09

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[25] EN
[54] **FIELD INSTALLABLE LASER ALIGNMENT TOOL**
[54] **OUTIL D'ALIGNEMENT LASER POUVANT ETRE INSTALLE SUR LE TERRAIN**
[72] GELINEAU, MATTHEW, US
[72] KLESK, JOHN, US
[71] BANNER ENGINEERING CORP., US
[85] 2024-02-07
[86] 2022-07-15 (PCT/US2022/073804)
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[30] US (63/260,175) 2021-08-11
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[25] EN
[54] **SUCCINIC ANHYDRIDE-DERIVED POLYESTERS AS CORROSION INHIBITORS**
[54] **POLYESTERS DERIVES D'ANHYDRIDE SUCCINIQUE UTILISES EN TANT QU'INHIBITEURS DE CORROSION**
[72] DHAWAN, ASHISH, US
[72] MOLONEY, JEREMY, US
[72] SILVERNAIL, CARTER M., US
[71] ECOLAB USA INC., US
[85] 2024-02-07
[86] 2022-08-23 (PCT/US2022/041186)
[87] (WO2023/028040)
[30] US (63/236,571) 2021-08-24

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[25] EN
[54] **ANTI-CD33 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD33 ET LEURS UTILISATIONS**
[72] DANIYAN, ANTHONY, US
[72] BRENTJENS, REINER, US
[72] LORENZ, IVO C., US
[72] KHAN, ABDUL, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC., US
[85] 2024-02-07
[86] 2022-09-02 (PCT/US2022/042448)
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[30] US (63/240,220) 2021-09-02

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[25] EN
[54] **MOUNTING METHOD OF BUILDING SURFACE MATERIAL**
[54]
[72] SHIMAZAKI, JUNETSU, JP
[71] YOSHINO GYPSUM CO., LTD., JP
[85] 2024-02-07
[86] 2022-10-20 (PCT/JP2022/039127)
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[51] **Int.Cl. E04H 15/48 (2006.01) E04H 15/44 (2006.01)**
[25] EN
[54] **RAPIDLY DEPLOYABLE MODULAR SHELTER SYSTEM**
[54] **SYSTEME D'ABRIS MODULAIRE A DEPLOIEMENT RAPIDE**
[72] JOHNSON, BRIAN D., CA
[72] SAVENKOFF, RYAN DOUGLAS, CA
[72] CHRISTENSEN, MATT, CA
[72] BENNETT, JEAN-MARC, CA
[71] WEATHERHAVEN GLOBAL RESOURCES LTD., CA
[85] 2024-02-07
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[54] **VEHICLE CONTROL SYSTEM AND MODULE**
[54] **SYSTEME ET MODULE DE COMMANDE DE VEHICULE**
[72] RHYNER, PHILLIP, US
[72] BURROW, THOMAS, US
[72] GONZALEZ, ROBERT, US
[71] EDDY PUMP CORPORATION, US
[85] 2024-02-07
[86] 2022-08-16 (PCT/US2022/040486)
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[25] EN
[54] **DRY POWDER COMPOSITIONS OF OIL-IN-WATER (O/W) EMULSION ADJUVANTED VACCINES**
[54] **COMPOSITIONS DE POUDRE SECHE DE VACCINS A ADJUVANT D'EMULSION HUILE DANS EAU (H/E)**
[72] CUI, ZHENGRONG, US
[72] WILLIAMS, ROBERT O. III, US
[72] ABOULFOTOUH, KHALED, US
[72] MOON, CHAEHO, US
[72] XU, HAIYUE, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2024-02-08
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[25] EN
[54] **BIRD VACCINATION SYSTEM AND METHOD OF CONTROLLING AT LEAST ONE ACTUATOR OF A BIRD VACCINATION SYSTEM**
[54] **SYSTEME DE VACCINATION POUR OISEAUX ET PROCEDE DE COMMANDE D'AU MOINS UN ACTIONNEUR D'UN SYSTEME DE VACCINATION POUR OISEAUX**
[72] HURLIN, JORG, DE
[72] GROSSE BRINKHAUS, CHRISTIAN, DE
[71] AGRI ADVANCED TECHNOLOGIES GMBH, DE
[85] 2024-02-06
[86] 2022-08-04 (PCT/EP2022/071952)
[87] (WO2023/012277)
[30] EP (21190124.4) 2021-08-06

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[25] EN
[54] **LOAD HANDLING DEVICE, STORAGE AND RETRIEVAL SYSTEM & METHOD**
[54] **DISPOSITIF DE MANIPULATION DE CHARGE, SYSTEME ET PROCEDE DE STOCKAGE ET DE RECUPERATION**
[72] CORSER, PHILIP, GB
[72] COUNSELL, NATHAN, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2024-02-06
[86] 2022-08-12 (PCT/EP2022/072738)
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[25] EN
[54] **PROCESS FOR PROVIDING HYDROGENATED OILS AND/OR FATS**
[54] **PROCEDE DE PREPARATION D'HUILES ET/OU DE GRAISSES HYDROGENEES**
[72] CAMPOS, ABEL FERNANDES, DE
[72] HARTEN, BARBARA, DE
[72] SINDERMANN, DIRK, DE
[71] GEA WESTFALIA SEPARATOR GROUP GMBH, DE
[85] 2024-02-06
[86] 2022-09-01 (PCT/EP2022/074378)
[87] (WO2023/031354)
[30] DE (10 2021 122 726.7) 2021-09-02

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[51] **Int.Cl. F16K 11/083 (2006.01) A61M 16/20 (2006.01) F16K 31/524 (2006.01) F16K 31/56 (2006.01) F16K 31/60 (2006.01) F16K 35/04 (2006.01)**
[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] DHARMADASA, ASELA BANDARA, GB
[72] GOMEZ, CARLOS MH, GB
[72] PATEL, MANISH KUMAR, GB
[72] BISHOP, OLIVER, GB
[72] SMART, NICHOLAS, GB
[71] IMPERIAL COLLEGE INNOVATIONS LTD, GB
[85] 2024-02-06
[86] 2022-08-09 (PCT/GB2022/052074)
[87] (WO2023/017256)
[30] GB (2111500.1) 2021-08-10

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[13] A1
[25] EN
[54] **CAPSULE WITH A MOISTURE AND OXYGEN BARRIER FUNCTION**
[54] **CAPSULE A FONCTION DE BARRIERE CONTRE L'HUMIDITE ET L'OXYGENE**
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
[72] YOAKIM, ALFRED, CH
[72] TALON, CHRISTIAN, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-02-08
[86] 2022-09-01 (PCT/EP2022/074276)
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[25] EN
[54] **NUCLEIC ACID STRUCTURE UTILIZING SNARE**
[54] **STRUCTURE D'ACIDES NUCLEIQUES METTANT EN OEUVRE DES PROTEINES SNARE**
[72] SAYAMA, KEIMON, JP
[72] SUGANUMA, TAKAYA, JP
[72] HORI, SATOSHI, JP
[72] KUBO, SHUN, JP
[72] YAMAMOTO, MASAKI, JP
[72] FUKAGAWA, SATOKO, JP
[72] ISHIKAWA, JUNKO, JP
[71] KAO CORPORATION, JP
[85] 2024-02-06
[86] 2022-08-05 (PCT/JP2022/030200)
[87] (WO2023/013785)
[30] JP (2021-130022) 2021-08-06

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[13] A1
[51] **Int.Cl. H04M 11/04 (2006.01) H04M 3/42 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EMERGENCY DISPATCH**
[54] **SYSTEME ET PROCEDE DE REPARTITION D'URGENCE**
[72] CLAWSON, JEFFREY J., US
[72] MCDANIEL, RONALD, US
[71] PRIORITY DISPATCH CORP., US
[71] CLAWSON, JEFFREY J., US
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[87] (WO2022/226543)
[30] US (17/238,843) 2021-04-23

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[51] **Int.Cl. A61P 3/04 (2006.01) A61P 5/48 (2006.01)**
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[54] **DOSAGE REGIME**
[54] **REGIME POSOLOGIQUE**
[72] AGERSNAP, MIKKEL ASKJAR, DK
[71] ZEALAND PHARMA A/S, DK
[85] 2024-02-08
[86] 2022-09-02 (PCT/EP2022/074420)
[87] (WO2023/031380)
[30] EP (21194879.9) 2021-09-03
[30] EP (22160234.5) 2022-03-04

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[25] EN
[54] **NUCLEIC ACID STRUCTURE UTILIZING SNARE**
[54] **STRUCTURE D'ACIDES NUCLEIQUES METTANT EN OEUVRE DES PROTEINES SNARE**
[72] SAYAMA, KEIMON, JP
[72] SUGANUMA, TAKAYA, JP
[72] HORI, SATOSHI, JP
[72] KUBO, SHUN, JP
[72] YAMAMOTO, MASAKI, JP
[72] FUKAGAWA, SATOKO, JP
[72] ISHIKAWA, JUNKO, JP
[71] KAO CORPORATION, JP
[85] 2024-02-06
[86] 2022-08-05 (PCT/JP2022/030201)
[87] (WO2023/013786)
[30] JP (2021-130022) 2021-08-06

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[51] **Int.Cl. A24B 13/00 (2006.01) D04H 1/425 (2012.01) D04H 1/60 (2006.01)**
[25] EN
[54] **POUCH MADE OF A NONWOVEN CONTAINING A TOBACCO MATERIAL AND/OR A DIFFERENT NICOTINE-CONTAINING MATERIAL**
[54] **SACHET COMPOSE DE NON-TISSE CONTENANT UN MATERIAU DE TABAC ET/OU UN MATERIAU CONTENANT DE LA NICOTINE DIFFERENT**
[72] BASTIAN, NIKOLAS, DE
[72] ROETTGER, HENNING, DE
[71] PELY-TEX GMBH & CO. KG, DE
[85] 2024-02-06
[86] 2022-06-28 (PCT/EP2022/067686)
[87] (WO2023/275022)
[30] EP (21183302.5) 2021-07-01

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[51] **Int.Cl. C12N 15/12 (2006.01) A61K 39/00 (2006.01) A61K 39/002 (2006.01) A61K 39/02 (2006.01) A61K 39/12 (2006.01) A61K 39/35 (2006.01) A61K 48/00 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 33/02 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07K 14/47 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **NUCLEIC ACID STRUCTURE UTILIZING SNARE**
[54] **STRUCTURE D'ACIDES NUCLEIQUES METTANT EN OEUVRE DES PROTEINES SNARE**
[72] SAYAMA, KEIMON, JP
[72] SUGANUMA, TAKAYA, JP
[72] HORI, SATOSHI, JP
[72] KUBO, SHUN, JP
[72] YAMAMOTO, MASAKI, JP
[72] FUKAGAWA, SATOKO, JP
[72] ISHIKAWA, JUNKO, JP
[71] KAO CORPORATION, JP
[85] 2024-02-06
[86] 2022-08-05 (PCT/JP2022/030202)
[87] (WO2023/013787)
[30] JP (2021-130022) 2021-08-06

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[51] **Int.Cl. A61K 31/438 (2006.01) A61K 31/4709 (2006.01) A61K 31/5383 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **MODULATORS OF THE BETA-3 ADRENERGIC RECEPTOR USEFUL FOR THE TREATMENT OR PREVENTION OF HEART FAILURE**
[54] **MODULATEURS DU RECEPTEUR BETA-3 ADRENERGIQUE UTILES DANS LE TRAITEMENT OU LA PREVENTION DE L'INSUFFISANCE CARDIAQUE**
[72] WALSH, BRANDON JAMES, US
[71] ARENA PHARMACEUTICALS, INC., US
[85] 2024-02-06
[86] 2022-08-05 (PCT/IB2022/057313)
[87] (WO2023/017388)
[30] US (63/231,001) 2021-08-09
[30] US (63/231,002) 2021-08-09
[30] US (63/253,069) 2021-10-06

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[51] **Int.Cl. G06F 40/35 (2020.01) G06Q 10/08 (2023.01) H04W 4/029 (2018.01) H04W 4/35 (2018.01) G06F 40/58 (2020.01) G01S 19/34 (2010.01) G01S 19/42 (2010.01) B65D 88/12 (2006.01)**
[25] EN
[54] **CARGO MONITORING, TRACKING AND RECOVERY SYSTEM**
[54] **SYSTEME DE SURVEILLANCE, DE SUIVI ET DE RECUPERATION DE CARGAISON**
[72] DUVALL, II, WILLIAM R., US
[71] OPTIO TECHNOLOGIES LLC, US
[85] 2024-02-06
[86] 2022-07-29 (PCT/US2022/038875)
[87] (WO2023/014610)
[30] EP (21190182.2) 2021-08-06

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[51] **Int.Cl. C07C 51/09 (2006.01) C07C 51/487 (2006.01) C07C 61/15 (2006.01)**
[25] EN
[54] **STEREOSELECTIVE PREPARATION OF TRANS HALO CYCLOBUTANE**
[54] **PREPARATION STEREOSELECTIVE DE TRANS-HALO CYCLOBUTANE**
[72] ARUNACHALAMPILLAI, ATHIMOOLAM, US
[72] ORTIZ, ADRIAN, US
[71] AMGEN INC., US
[85] 2024-02-06
[86] 2022-08-17 (PCT/US2022/040666)
[87] (WO2023/023202)
[30] US (63/234,935) 2021-08-19

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[13] A1
[51] **Int.Cl. D04B 1/18 (2006.01) D03D 15/56 (2021.01) A61F 2/24 (2006.01)**
[25] EN
[54] **TEXTILES, METHODS OF MAKING SAME AND MEDICAL DEVICES USING THE SAME**
[54] **TEXTILES, PROCEDES DE FABRICATION Y AFFERANT ET DISPOSITIFS MEDICAUX LES UTILISANT**
[72] PAWAR, SANDIP VASANT, US
[72] RUIZ, DELFIN RAFAEL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-02-06
[86] 2022-09-06 (PCT/US2022/042604)
[87] (WO2023/038879)
[30] US (63/241,330) 2021-09-07

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[13] A1
[51] **Int.Cl. A61L 9/20 (2006.01)**
[25] EN
[54] **AIR PURIFICATION AND DISINFECTION APPARATUS AND METHODS OF USE**
[54] **APPAREIL DE PURIFICATION ET DE DESINFECTION D'AIR ET PROCEDES D'UTILISATION**
[72] PISHARODI, MADHAVAN, US
[71] PERUMALA HOLDINGS, LLC, US
[85] 2024-02-08
[86] 2022-08-15 (PCT/US2022/074957)
[87] (WO2023/023478)
[30] US (63/233,697) 2021-08-16
[30] US (17/545,822) 2021-12-08

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[13] A1
[51] **Int.Cl. B64D 45/06 (2006.01) B64C 25/06 (2006.01) B64C 25/32 (2006.01) B64F 1/12 (2006.01) B64F 1/22 (2024.01) H02J 7/00 (2006.01)**
[25] EN
[54] **LANDING PAD FOR AERIAL VEHICLES**
[54] **PLATEFORME D'ATTERRISSAGE POUR VEHICULES AERIENS**
[72] CEVACINS, OLEGS, US
[72] EZERS, DAVIDS, US
[72] NEVDAHS, ILJA, US
[71] ALARM.COM INCORPORATED, US
[85] 2024-02-06
[86] 2022-08-04 (PCT/US2022/074506)
[87] (WO2023/015233)
[30] US (63/230,254) 2021-08-06
[30] US (17/880,258) 2022-08-03

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[13] A1
[51] **Int.Cl. A61F 13/84 (2006.01)**
[25] EN
[54] **ABSORBENT REPOSITIONING PAD AND METHOD**
[54] **TAMPON DE REPOSITIONNEMENT ABSORBANT ET PROCEDE ASSOCIE**
[72] FOGEL, JEREMY, US
[72] SINDE, RACHEL, US
[71] MEDLINE INDUSTRIES, LP, US
[85] 2024-02-08
[86] 2022-07-21 (PCT/US2022/037844)
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[51] **Int.Cl. A61K 38/37 (2006.01) A61K 47/18 (2017.01) A61P 7/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HUMAN PLASMA-DERIVED FACTOR VIII / VON WILLEBRAND FACTOR AND COMPOSITION OBTAINED**
[54] **METHODE DE PRODUCTION D'UN FACTEUR VIII/FACTEUR DE VON WILLEBRAND DERIVE DU PLASMA HUMAIN ET COMPOSITION OBTENUE**
[72] GRANCHA GAMON, SALVADOR, ES
[72] FARO TOMAS, MARIA MERCEDES, ES
[72] MARTINEZ CREUS, NURIA, ES
[71] GRIFOLS WORLDWIDE OPERATIONS LIMITED, IE
[85] 2024-02-08
[86] 2022-08-09 (PCT/EP2022/072325)
[87] (WO2023/017020)
[30] EP (21382756.1) 2021-08-11

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[13] A1
[51] **Int.Cl. A61K 31/41 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **MONOACYLGLYCEROL LIPASE MODULATORS FOR USE IN AUTISM SPECTRUM DISORDERS**
[54] **MODULATEURS DE LA MONOACYLGLYCEROL LIPASE DESTINES A ETRE UTILISES DANS DES TROUBLES DU SPECTRE AUTISTIQUE**
[72] MOYER, JOHN A., US
[72] PANDINA, GAHAN J., US
[72] WYATT, RYAN MICHAEL, US
[72] KADRIU, BASHKIM, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2024-02-06
[86] 2022-08-08 (PCT/US2022/074644)
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[30] US (63/231,094) 2021-08-09

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[25] EN
[54] **HUMAN TRANSFERRIN RECEPTOR BINDING PEPTIDE**
[54] **PEPTIDE DE LIAISON AU RECEPTEUR DE LA TRANSFERRINE HUMAINE**
[72] OHUCHIM, MASAKI, JP
[72] TAKUWA, MASATOSHI, JP
[72] YAMAKOSHI, SHUHEI, JP
[72] FUJIYAMA, SAKI, JP
[72] HASHIMOTO, HIDEHIKO, JP
[72] ONOUCHI, TAKASHI, JP
[72] TAKAHASHI, KENICHI, JP
[72] YODEN, EIJI, JP
[71] PEPTIDREAM INC., JP
[71] JCR PHARMACEUTICALS CO., LTD., JP
[85] 2024-02-05
[86] 2022-08-19 (PCT/JP2022/031422)
[87] (WO2023/022234)
[30] JP (2021-134377) 2021-08-19

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[51] **Int.Cl. G06T 9/00 (2006.01) H04N 19/503 (2014.01) H04N 19/597 (2014.01)**
[25] EN
[54] **INTER PREDICTION CODING WITH RADIUS INTERPOLATION FOR PREDICTIVE GEOMETRY-BASED POINT CLOUD COMPRESSION**
[54] **CODAGE INTER-PREDICTION AVEC INTERPOLATION DE RAYON POUR COMPRESSION DE NUAGE DE POINTS REPOSANT SUR UNE GEOMETRIE PREDICTIVE**
[72] VAN DER AUWERA, GEERT, US
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[72] PHAM VAN, LUONG, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2024-02-07
[86] 2022-09-22 (PCT/US2022/076847)
[87] (WO2023/059987)
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **FGFR4 INHIBITOR ACID SALT, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **SEL D'ACIDE INHIBITEUR DE FGFR4, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZHANG, LEI, CN
[72] HOU, QIWEN, CN
[72] YU, HONGPING, CN
[71] ABBISKO THERAPEUTICS CO., LTD., CN
[85] 2024-02-07
[86] 2022-12-12 (PCT/CN2022/138455)
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[25] EN
[54] **SENSING SYSTEMS AND METHODS FOR DIAGNOSING, STAGING, TREATING, AND ASSESSING RISKS OF LIVER DISEASE USING MONITORED ANALYTE DATA**
[54] **SYSTEMES ET METHODES DE DETECTION POUR LE DIAGNOSTIC, LA STADIFICATION, LE TRAITEMENT ET L'EVALUATION DE RISQUES DE MALADIE HEPATIQUE A L'AIDE DE DONNEES D'ANALYTE SURVEILLEES**
[72] RAY, PARTHA PRATIM, US
[72] JOHNSON, MATTHEW L., US
[72] AN, QI, US
[72] HALAC, JASON M., US
[72] BARTLETT, RUSH, US
[72] PADERI, JOHN, US
[71] DEXCOM, INC., US
[85] 2024-01-25
[86] 2023-02-02 (PCT/US2023/061887)
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[51] **Int.Cl. C07K 14/135 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **VIRUS-LIKE PARTICLE VACCINE FOR RESPIRATORY SYNCYTIAL VIRUS**
[54] **VACCIN A PARTICULES DE TYPE VIRUS POUR LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] KANESA-THASAN, NIRANJAN, US
[72] HOLTZMAN, DOUGLAS, US
[71] ICOSAVAX, INC., US
[85] 2024-02-08
[86] 2022-08-09 (PCT/US2022/074699)
[87] (WO2023/019131)
[30] US (63/231,568) 2021-08-10
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[51] **Int.Cl. B22D 35/00 (2006.01) F27D 27/00 (2010.01) B22D 1/00 (2006.01) B22D 11/115 (2006.01) B22D 37/00 (2006.01)**
[25] EN
[54] **MOLTEN METAL DRIVING DEVICE, MOLTEN METAL STIRRING SYSTEM, MOLTEN METAL CONVEYING SYSTEM, CONTINUOUS CASTING SYSTEM, AND MOLTEN METAL DRIVING METHOD**
[54] **DISPOSITIF D'ENTRAINEMENT DE METAL EN FUSION, SYSTEME DE MELANGE DE METAL EN FUSION, SYSTEME DE TRANSPORT DE METAL EN FUSION, SYSTEME DE COULEE CONTINUE ET PROCEDE D'ENTRAINEMENT DE SYSTEME DE COULEE CONTINUE ET DE METAL EN FUSION**
[72] TAKAHASHI KENZO, JP
[71] ZMAG, LTD., JP
[85] 2024-02-07
[86] 2022-07-25 (PCT/JP2022/028613)
[87] (WO2023/021940)
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[25] EN
[54] **AUTOMATED CORE VENEER FEEDER AND STITCHER FOR MANUFACTURING PLYWOOD**
[54] **DISPOSITIF AUTOMATISE D'ALIMENTATION EN PLACAGE POUR PLIS INTERIEURS ET PIQUEUSE POUR LA FABRICATION DE CONTREPLAQUE**
[72] CAPPS, JR. JT, US
[71] GEORGIA-PACIFIC WOOD PRODUCTS LLC, US
[85] 2024-02-08
[86] 2022-08-18 (PCT/IB2022/057763)
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[13] A1
[51] **Int.Cl. A61K 31/4178 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS FOR TREATING HYPERHIDROSIS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET METHODES DE TRAITEMENT DE L'HYPERHIDROSE**
[72] ANDREWS, STEPHEN WAYNE, US
[72] BALIK, SAMUEL BRUCE, US
[72] JETT, JOHN EDWARD, US
[72] LEMING, ROBERT MICHAEL, US
[71] THERAVIDA, INC., US
[85] 2024-02-08
[86] 2022-08-09 (PCT/US2022/039822)
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[51] **Int.Cl. B65D 85/816 (2006.01)**
[25] EN
[54] **WALL COMPONENT FOR AN EXPANDABLE INFUSION CONTAINER**
[54] **PARTIE DE PAROI POUR UN RECIPIENT D'INFUSION EXPANSIBLE**
[72] DEL BON, FRANCO, CH
[72] SCHERRER, JOSEPH ALAIN, CH
[72] WUST, THEODOR, CH
[71] SWISS TEA INNOVATION AG, CH
[85] 2024-02-08
[86] 2022-08-15 (PCT/EP2022/072754)
[87] (WO2023/020987)
[30] CH (CH070169/2021) 2021-08-16

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[51] **Int.Cl. F24H 9/1818 (2022.01) H05B 3/04 (2006.01)**
[25] EN
[54] **PROCESS FLANGE HEATER STANDOFF ASSEMBLY**
[54] **ENSEMBLE DOUILLE-ENTRETOISE DE DISPOSITIF DE CHAUFFAGE A BRIDE DE TRAITEMENT**
[72] ST. CLAIR, CURT, US
[72] LANHAM, MATTHEW T., US
[72] GAULKE, KEN, US
[72] ABBOTT, JOHN, US
[72] SINCLAIR, KENNY, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
[85] 2024-02-08
[86] 2022-08-09 (PCT/US2022/039810)
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[51] **Int.Cl. A61B 5/1455 (2006.01) G01N 21/49 (2006.01)**
[25] EN
[54] **OPTICAL DETERMINATION OF A CARDIOVASCULAR VARIABILITY PARAMETER INDEPENDENT OF SKIN CONTRIBUTIONS**
[54] **DETERMINATION OPTIQUE D'UN PARAMETRE DE VARIABILITE CARDIOVASCULAIRE INDEPENDANT DE CONTRIBUTIONS CUTANEES**
[72] TOUSSAINT, KIMANI, US
[72] JAKACHIRA, RUTENDO, US
[72] DIOUF, MBAYE, US
[72] BURROW, JOSHUA, US
[72] LIN, ZIXI, US
[71] BROWN UNIVERSITY, US
[85] 2024-02-08
[86] 2022-08-11 (PCT/US2022/040020)
[87] (WO2023/018846)
[30] US (63/231,973) 2021-08-11
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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/02 (2006.01)**
[25] EN
[54] **EXTENDED REALITY (XR) COLLABORATIVE ENVIRONMENTS**
[54] **ENVIRONNEMENTS COLLABORATIFS EN REALITE ETENDUE (XR)**
[72] USHER, COLIN, US
[72] AHLIN, KONRAD, US
[72] DALEY, WAYNE D., US
[72] JOFFE, BENJAMIN, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2024-02-08
[86] 2022-08-17 (PCT/US2022/075070)
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[30] US (63/234,452) 2021-08-18

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[51] **Int.Cl. C07K 14/47 (2006.01) A23L 33/195 (2016.01) A23J 3/20 (2006.01) C12N 15/75 (2006.01)**
[25] EN
[54] **DAIRY-LIKE COMPOSITIONS AND RELATED METHODS**
[54] **COMPOSITIONS DE TYPE LAITAGE ET PROCEDES ASSOCIES**
[72] RADMAN, INJA, US
[72] PANFAIR, DILRAJKAUR, US
[72] CHEN, MENG YUAN, US
[71] NEW CULTURE INC., US
[85] 2024-02-08
[86] 2022-08-17 (PCT/US2022/040658)
[87] (WO2023/023195)
[30] US (63/234,193) 2021-08-17
[30] US (17/829,951) 2022-06-01

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 34/30 (2016.01)**
[25] EN
[54] **TETHER-FREE ROBOTIC SYSTEM TO PERFORM A REMOTE MICROSURGERY IN THE CENTRAL NERVOUS SYSTEM (CNS)**
[54] **SYSTEME ROBOTIQUE SANS ATTACHE POUR EFFECTUER UNE MICROCHIRURGIE A DISTANCE DANS LE SYSTEME NERVEUX CENTRAL (SNC)**
[72] CROS, FLORENT, US
[72] SHPIGELMACHER, MICHAEL, US
[72] KONDABATNI, KISHORE KUMAR, US
[72] KISELYOV, ALEX, US
[71] BIONAUT LABS LTD., IL
[71] CROS, FLORENT, US
[71] SHPIGELMACHER, MICHAEL, US
[71] KONDABATNI, KISHORE KUMAR, US
[71] KISELYOV, ALEX, US
[85] 2024-02-07
[86] 2022-08-15 (PCT/US2022/040303)
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[13] A1
[51] **Int.Cl. A61K 31/585 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING ENDOMETRIOSIS AND PROVIDING EFFECTIVE CONTRACEPTION**
[54] **PROCEDE DE TRAITEMENT DE L'ENDOMETRIOSE ET FOURNITURE D'UNE CONTRACEPTION EFFICACE**
[72] COLLI, ENRICO, ES
[72] PEREZ, SALUSTIANO, ES
[71] CHEMO RESEARCH, S.L., ES
[85] 2024-02-07
[86] 2022-08-11 (PCT/EP2022/072511)
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[30] EP (21382757.9) 2021-08-12

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[13] A1
[51] **Int.Cl. A61P 37/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **PYRAZOLO[3,4-B]PYRIDINE COMPOUNDS FOR THE TREATMENT OF AUTOIMMUNE DISEASE**
[54] **COMPOSES DE PYRAZOLO[3,4-B]PYRIDINE POUR LE TRAITEMENT D'UNE MALADIE AUTO-IMMUNE**
[72] CHEN, DONGDONG, CN
[72] DEY, FABIAN, CH
[72] HONG, XIN, CN
[72] WANG, XIAOQING, CN
[72] ZHANG, ZHISEN, CN
[72] ZHU, WEI, CN
[72] ZOU, GE, CN
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2024-02-07
[86] 2022-09-22 (PCT/EP2022/076306)
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[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **GENE EDITING SYSTEMS COMPRISING AN RNA GUIDE TARGETING STATHMIN 2 (STMN2) AND USES THEREOF**
[54] **SYSTEMES D'EDITION GENETIQUE COMPRENANT UN ARN GUIDE CIBLANT STATHMIN 2 (STMN2) ET LEURS UTILISATIONS**
[72] DITOMMASO, TIA MARIE, US
[72] GARRITY, ANTHONY JAMES, US
[72] JAKIMO, NOAH MICHAEL, US
[72] WESSELLS, QUINTON NORMAN, US
[71] ARBOR BIOTECHNOLOGIES, INC., US
[85] 2024-02-07
[86] 2022-08-11 (PCT/US2022/040042)
[87] (WO2023/018858)
[30] US (63/231,784) 2021-08-11
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[51] **Int.Cl. G01R 33/00 (2006.01) G01N 27/02 (2006.01) G01R 33/028 (2006.01) G01R 33/12 (2006.01)**
[25] EN
[54] **INDIRECT CALIBRATION METHOD FOR AN ELECTROMAGNETIC INDUCTION METHOD, AND MEASURING ASSEMBLY FOR CARRYING OUT THE METHOD**
[54] **PROCEDE D'ETALONNAGE INDIRECT POUR UN PROCEDE D'INDUCTION ELECTROMAGNETIQUE ET ENSEMBLE DE MESURE POUR LA MISE EN OUVRE DU PROCEDE**
[72] ROHDE, JAN, DE
[72] HENDRICKS, STEFAN, DE
[72] HAAS, CHRISTIAN, DE
[72] ZWANZIG, THOMAS, DE
[71] ALFRED-WEGENER-INSTITUT, HELMHOLTZ-ZENTRUM FUR POLAR-UND MEERESFORSCHUNG, DE
[85] 2024-02-07
[86] 2022-09-26 (PCT/DE2022/100712)
[87] (WO2023/051868)
[30] DE (10 2021 125 036.6) 2021-09-28

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[13] A1
[51] **Int.Cl. G06N 5/02 (2023.01) G06F 16/21 (2019.01) G06F 16/2455 (2019.01)**
[25] EN
[54] **CUSTOMIZED DATA ANALYSIS AND VISUALIZATION USING STRUCTURED DATA TABLES AND NODAL NETWORKS**
[54] **ANALYSE ET VISUALISATION DE DONNEES PERSONNALISEES A L'AIDE DE TABLES DE DONNEES STRUCTUREES ET DE RESEAUX NODAUX**
[72] ARES, JEAN-MICHEL, US
[72] AMIN, DICK, US
[71] CHORAL SYSTEMS, LLC, US
[85] 2024-02-07
[86] 2022-08-11 (PCT/US2022/040021)
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[25] EN
[54] **ANNULUS ROTARY ENGINE**
[54] **MOTEUR ROTATIF A ANNEAU**
[72] NGUYEN, MINH VAN, CA
[71] NGUYEN, MINH VAN, CA
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[13] A1
[51] **Int.Cl. E01F 5/00 (2006.01) E03F 5/00 (2006.01)**
[25] EN
[54] **BEAVER CONTROL DEVICE FOR A CULVERT**
[54]
[72] FLEMING, WALTER, CA
[71] FLEMING, WALTER, CA
[22] 2023-08-23
[41] 2023-10-18
[30] CA (3,207,830) 2023-07-28

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[25] EN
[54] **DYNAMICALLY DETERMINING RISK OF CLINICAL CONDITION**
[54] **DETERMINATION DYNAMIQUE DE RISQUE LIE A UN ETAT CLINIQUE**
[72] MCNAIR, DOUGLAS S., US
[72] MURRISH, JOHN CHRISTOPHER, US
[72] KAILASAM, KANAKASABHA, US
[71] CERNER INNOVATION, INC., US
[22] 2014-08-12
[41] 2015-02-19
[62] 2,920,530
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[25] EN
[54] **METHOD AND APPARATUS FOR EFFICIENT DELIVERY AND USAGE OF AUDIO MESSAGES FOR HIGH QUALITY OF EXPERIENCE**
[54] **PROCEDE ET APPAREIL DE DISTRIBUTION ET D'UTILISATION EFFICACES DE MESSAGES AUDIO POUR UNE EXPERIENCE HAUTE QUALITE**
[72] MURTAZA, ADRIAN, DE
[72] FUCHS, HARALD, DE
[72] CZELHAN, BERND, DE
[72] PLOGSTIES, JAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **SIGNAL AMPLIFICATION IN SOLUTION-BASED PLASMONIC SPECIFIC-BINDING PARTNER ASSAYS**
[54] **AMPLIFICATION DE SIGNAL DANS DES DOSAGES PLASMONIQUES EN SOLUTION DE PARTENAIRE DE LIAISON SPECIFIQUE**
[72] FRISZ, JESSICA, US
[72] MEHRA, RAJESH K., US
[72] ARON, KENNETH P., US
[72] CHIANG, VINCENT, US
[71] ZOETIS SERVICES LLC, US
[22] 2016-08-04
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[62] 2,991,532
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[25] EN
[54] **SENSOR POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT DE CAPTEUR**
[72] MESSANA, MATTHEW, US
[72] CORMANY, KYLE JAMES, US
[72] THORNTON, CHRISTOPHER, US
[72] JAMES, BARNABY JOHN, US
[72] DAVE, NEIL, US
[72] WASHBURN, SHANE, US
[71] X DEVELOPMENT LLC, US
[22] 2019-10-01
[41] 2020-04-09
[62] 3,113,831
[30] US (62/742,145) 2018-10-05
[30] US (16/385,292) 2019-04-16

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[51] **Int.Cl. C07D 213/803 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING METHOXY METHYL PYRIDINE DICARBOXYLATE**
[54] **PROCEDE DE PREPARATION DE METHOXY METHYL PYRIDINE DICARBOXYLATE**
[72] KUSNIEC, TZURIT, IL
[72] TZOR, OMER, IL
[72] YACOVAN, AVIHAI, IL
[71] ADAMA AGAN LTD., IL
[22] 2017-11-14
[41] 2018-05-24
[62] 3,044,164
[30] US (62/424,888) 2016-11-21

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[13] A1
[25] EN
[54] **FLUID TRANSPORTATION AND DELIVERY APPARATUS**
[54] **APPAREIL DE TRANSPORT ET DISTRIBUTION DE FLUIDE**
[72] WRUCK, ABE, US
[72] KELLEN, JEREMY, US
[72] HENNEN, MIKE, US
[71] WESTMOR INDUSTRIES, LLC, US
[22] 2017-04-05
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[62] 2,963,376
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[13] A1
[25] EN
[54] **IMPLEMENTS AND APPLICATION UNITS FOR PLACEMENT OF APPLICATIONS WITH RESPECT TO AGRICULTURAL PLANTS OF AGRICULTURAL FIELDS**
[54] **OUTILS ET UNITES D'APPLICATION POUR LA MISE EN PLACE D'APPLICATIONS CONCERNANT DES PLANTES AGRICOLES DE CHAMPS AGRICOLES**
[72] STOLLER, JASON, US
[72] RADTKE, IAN, US
[72] WILDERMUTH, PAUL, US
[72] O'NEALL, MATTHEW, US
[71] PRECISION PLANTING LLC, US
[22] 2017-04-18
[41] 2017-10-26
[62] 3,019,223
[30] US (62/324,095) 2016-04-18
[30] US (62/365,824) 2016-07-22
[30] US (62/442,895) 2017-01-05

[21] **3,227,945**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR EVALUATING AND RECYCLING ELECTRONIC DEVICES**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'EVALUER ET DE RECYCLER DES DISPOSITIFS ELECTRONIQUES**
[72] BOWLES, MARK VINCENT, US
[72] ERMAN, RANDAL, US
[72] BEANE, JOHN ANDREW, US
[71] ECOATM, LLC, US
[22] 2015-11-05
[41] 2016-05-12
[62] 2,967,021
[30] US (62/076,437) 2014-11-06

[21] **3,227,988**
[13] A1
[25] EN
[54] **CLOSURE DEVICE FOR A CONTAINER**
[54] **DISPOSITIF DE FERMETURE D'UN CONTENANT**
[72] NAUMANN, TOBIAS, DE
[72] SCHERER, STEPHAN, DE
[72] HALTER, CHRISTOPHE, BE
[72] BECK, CHRISTOPHE SIMON PIERRE, FR
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[22] 2020-04-23
[41] 2020-11-19
[62] 3,137,383
[30] US (62/846,801) 2019-05-13
[30] US (62/913,377) 2019-10-10
[30] US (62/981,067) 2020-02-25

[21] **3,227,994**
[13] A1
[51] **Int.Cl. A01B 15/12 (2006.01) A01B 15/14 (2006.01) A01B 15/18 (2006.01) A01B 49/06 (2006.01) A01C 5/06 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **IMPLEMENTS AND APPLICATION UNITS FOR PLACEMENT OF APPLICATIONS WITH RESPECT TO AGRICULTURAL PLANTS OF AGRICULTURAL FIELDS**
[54] **OUTILS ET UNITES D'APPLICATION POUR LA MISE EN PLACE D'APPLICATIONS CONCERNANT DES PLANTES AGRICOLES DE CHAMPS AGRICOLES**
[72] STOLLER, JASON, US
[72] RADTKE, IAN, US
[72] WILDERMUTH, PAUL, US
[72] O'NEALL, MATTHEW, US
[71] PRECISION PLANTING LLC, US
[22] 2017-04-18
[41] 2017-10-26
[62] 3,019,223
[30] US (62/324,095) 2016-04-18
[30] US (62/365,824) 2016-07-22
[30] US (62/442,895) 2017-01-05

[21] **3,228,010**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 47/26 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCING CANCER RADIOTHERAPY**
[54] **COMPOSITIONS ET METHODES POUR AMELIORER LA RADIOTHERAPIE DU CANCER**
[72] HSIA, HOUN SIMON, US
[71] HSIA, HOUN SIMON, US
[22] 2017-10-03
[41] 2018-04-12
[62] 3,038,327
[30] US (62/403,630) 2016-10-03

[21] **3,228,032**
[13] A1
[25] EN
[54] **HIGHLY POTENT ACID ALPHA-GLUCOSIDASE WITH ENHANCED CARBOHYDRATES**
[54] **ALPHA-GLUCOSIDASE ACIDE TRES PUISSANTE AYANT DES HYDRATES DE CARBONE AMELIORES**
[72] GOTSCHALL, RUSSELL, US
[72] DO, HUNG, US
[71] AMICUS THERAPEUTICS, INC., US
[22] 2015-09-30
[41] 2016-04-07
[62] 2,961,762
[30] US (62/057,842) 2014-09-30
[30] US (62/057,847) 2014-09-30
[30] US (62/112,463) 2015-02-05
[30] US (62/135,345) 2015-03-19

[21] **3,228,052**
[13] A1
[51] **Int.Cl. H02P 27/04 (2016.01) E21B 43/26 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **POWER DISTRIBUTION TRAILER FOR AN ELECTRIC DRIVEN HYDRAULIC FRACKING SYSTEM**
[54] **REMORQUE DE DISTRIBUTION DE PUISSANCE POUR SYSTEME DE FRACTURATION HYDRAULIQUE A COMMANDE ELECTRIQUE**
[72] FISCHER, JOHN, US
[72] CROSETTO, JOHN J., US
[72] KUBRICHT, DAVID, US
[72] CHEATHAM, RICHARD, US
[72] POLLACK, JEFFREY, US
[72] LAWMAN, CHAD, US
[72] TODD, DAVID, US
[72] NOLEN, TYLER, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2020-02-14
[41] 2020-04-28
[62] 3,072,670
[30] US (62/805,521) 2019-02-14
[30] US (16/790,538) 2020-02-13

[21] **3,228,058**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD OF RELOADING PREPAID CARDS**
[54] **SYSTEME ET METHODE DE RECHARGE DE CARTES PREPAYEES**
[72] POMEROY, JEFF, US
[72] LISTER, JONATHAN, CA
[72] CAMPOS, TOMAS A., US
[71] BLACKHAWK NETWORK, INC., US
[22] 2015-11-13
[41] 2016-05-13
[62] 2,912,066
[30] US (62/079,507) 2014-11-13
[30] US (62/082,011) 2014-11-19

[21] **3,228,060**
[13] A1
[51] **Int.Cl. C07C 225/20 (2006.01) C07C 221/00 (2006.01)**
[25] EN
[54] **CRYSTAL FORMS AND METHODS OF SYNTHESIS OF (2R, 6R)-HYDROXYNORKETAMINE AND (2S, 6S)-HYDROXYNORKETAMINE**
[54] **FORMES CRISTALLINES ET PROCEDES DE SYNTHESE DE (2R,6R)-HYDROXYNORKETAMINE ET DE (2S,6S)-HYDROXYNORKETAMINE**
[72] THOMAS, CRAIG, US
[72] MORRIS, PATRICK, US
[72] ZARATE, CARLOS, US
[72] MOADDEL, RUIN, US
[72] GOULD, TODD, US
[72] ZANOS, PANOS, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[22] 2017-03-27
[41] 2017-09-28
[62] 3,018,959
[30] US (62/313,309) 2016-03-25

[21] **3,228,091**
[13] A1
[25] EN
[54] **TILLAGE IMPLEMENT WITH INTRA-WING GANG OFFSET**
[54] **ACCESSOIRE DE LABOURAGE A DECALAGE DE TRAIN INTRA-AILE**
[72] STEINLAGE, DAVID L., US
[72] BECKER, SHAWN J., US
[72] CASPER, ROBERT T., US
[72] BLAUWET, BRYAN D., US
[71] DEERE & COMPANY, US
[22] 2016-08-30
[41] 2017-03-23
[62] 2,940,713
[30] US (62/222,564) 2015-09-23
[30] US (15/243,687) 2016-08-22

[21] **3,228,101**
[13] A1
[25] EN
[54] **TILLAGE IMPLEMENT WITH INTRA-WING GANG OFFSET**
[54] **ACCESSOIRE DE LABOURAGE A DECALAGE DE TRAIN INTRA-AILE**
[72] STEINLAGE, DAVID L., US
[72] BECKER, SHAWN J., US
[72] CASPER, ROBERT T., US
[72] BLAUWET, BRYAN D., US
[71] DEERE & COMPANY, US
[22] 2016-08-30
[41] 2017-03-23
[62] 2,940,713
[30] US (62/222,564) 2015-09-23
[30] US (15/243,687) 2016-08-22

[21] **3,228,108**
[13] A1
[25] EN
[54] **TILLAGE IMPLEMENT WITH INTRA-WING GANG OFFSET**
[54] **ACCESSOIRE DE LABOURAGE A DECALAGE DE TRAIN INTRA-AILE**
[72] STEINLAGE, DAVID L,, US
[72] BECKER, SHAWN J., US
[72] CASPER, ROBERT T., US
[72] BLAUWET, BRYAN D., US
[71] DEERE & COMPANY, US
[22] 2016-08-30
[41] 2017-03-23
[62] 2,940,713
[30] US (62/222,564) 2015-09-23
[30] US (15/243,687) 2016-08-22

[21] **3,228,115**
[13] A1
[25] EN
[54] **TILLAGE IMPLEMENT WITH INTRA-WING GANG OFFSET**
[54] **ACCESSOIRE DE LABOURAGE A DECALAGE DE TRAIN INTRA-AILE**
[72] STEINLAGE, DAVID L., US
[72] BECKER, SHAWN J., US
[72] CASPER, ROBERT T., US
[72] BLAUWET, BRYAN D., US
[71] DEERE & COMPANY, US
[22] 2016-08-30
[41] 2017-03-23
[62] 2,940,713
[30] US (62/222,564) 2015-09-23
[30] US (15/243,687) 2016-08-22

[21] **3,228,172**
[13] A1
[25] EN
[54] **METHODE POUR ACTIONNER UN CONTACT MOBILE D'UN INTERRUPTEUR A VIDE**
[54] **METHOD FOR ACTIVATING A VACUUM INTERRUPTER MOVING CONTACT**
[72] FRANCOEUR, BRUNO, CA
[72] COUTURE, PIERRE, CA
[71] HYDRO-QUEBEC, CA
[22] 2018-11-05
[41] 2020-05-14
[62] 3,118,705

[21] **3,228,185**
[13] A1
[25] EN
[54] **PLANT MODULE, PLANT INCLUDING THE SAME, AND OPERATION METHOD OF PLANT**
[54] **MODULE D'INSTALLATION INDUSTRIELLE, INSTALLATION INDUSTRIELLE LE COMPRENANT, ET PROCEDE DE FONCTIONNEMENT D'INSTALLATION INDUSTRIELLE**
[72] YASUDA, SATOSHI, JP
[72] KONDA, TOMOYUKI, JP
[71] CHIYODA CORPORATION, JP
[22] 2019-11-13
[41] 2021-05-20
[62] 3,159,217

[21] **3,228,191**
[13] A1
[25] EN
[54] **PAYMENT CONTROL METHOD AND DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE CONTROLE DES PAIEMENTS, DISPOSITIF ELECTRONIQUE ET SUPPORT DE STOCKAGE**
[72] YANG, HU, CN
[72] HAO, XUEWU, CN
[72] ZHANG, BO, CN
[72] YANG, KAIMING, CN
[72] CHENG, BINBIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-08-23
[41] 2020-02-23
[62] 3,052,849
[30] CN (201810967478.X) 2018-08-23

[21] **3,228,194**
[13] A1
[25] EN
[54] **PAYMENT CONTROL METHOD AND DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE CONTROLE DES PAIEMENTS, DISPOSITIF ELECTRONIQUE ET SUPPORT DE STOCKAGE**
[72] YANG, HU, CN
[72] HAO, XUEWU, CN
[72] ZHANG, BO, CN
[72] YANG, KAIMING, CN
[72] CHENG, BINBIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-08-23
[41] 2020-02-23
[62] 3,052,849
[30] CN (201810967478.X) 2018-08-23

[21] **3,228,198**
[13] A1
[25] EN
[54] **SYSTEM, DEVICE, AND METHOD FOR SAFEGUARDING WELLBEING OF PATIENTS FOR FLUID INJECTION**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DE SAUVEGARDE DU BIEN-ETRE DE PATIENTS POUR L'INJECTION D'UN LIQUIDE**
[72] THUERING, JOHANNES ANTON, DE
[72] UBER, ARTHUR, III, US
[72] GRIFFITHS, DAVID, US
[72] MCDERMOTT, MICHAEL, DE
[72] SKIRBLE, BARRY, US
[72] VAN ROOSMALEN, LINDA, US
[72] CZIBUR, ADAM, US
[72] LANG, CHARLES, US
[72] MOORE, DANIEL, US
[72] CARUSO, VINCENZO, AU
[72] CLARKE, BRANDON, US
[71] BAYER HEALTHCARE LLC, US
[22] 2021-04-30
[41] 2021-11-04
[62] 3,181,544
[30] US (63/017,942) 2020-04-30
[30] US (62/704,954) 2020-06-04
[30] US (62/705,613) 2020-07-07
[30] US (62/706,597) 2020-08-27

[21] **3,228,205**
[13] A1
[25] EN
[54] **SYSTEM, DEVICE, AND METHOD FOR SAFEGUARDING WELLBEING OF PATIENTS FOR FLUID INJECTION**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DE SAUVEGARDE DU BIEN-ETRE DE PATIENTS POUR L'INJECTION D'UN LIQUIDE**
[72] THUERING, JOHANNES ANTON, DE
[72] UBER, ARTHUR, III, US
[72] GRIFFITHS, DAVID, US
[72] MCDERMOTT, MICHAEL, DE
[72] SKIRBLE, BARRY, US
[72] VAN ROOSMALEN, LINDA, US
[72] CZIBUR, ADAM, US
[72] LANG, CHARLES, US
[72] MOORE, DANIEL, US
[72] CARUSO, VINCENZO, AU
[72] CLARKE, BRANDON, US
[71] BAYER HEALTHCARE LLC, US
[22] 2021-04-30
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[62] 3,181,544
[30] US (63/017,942) 2020-04-30
[30] US (62/704,954) 2020-06-04
[30] US (62/705,613) 2020-07-07
[30] US (62/706,597) 2020-08-27

[21] **3,228,219**
[13] A1
[25] EN
[54] **INTRODUCTION DEVICE INCLUDING AN ELECTROACTIVE TIP ON A GUIDEWIRE**
[54] **DISPOSITIF D'INTRODUCTION COMPRENANT UNE POINTE ELECTROACTIVE SUR UN FIL-GUIDE**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] PALMRE, VILJAR, US
[72] SHIM, YOUNGHEE, US
[72] PATEL, BHAVIK, US
[71] XCATH, INC., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[22] 2019-04-25
[41] 2019-11-07
[62] 3,168,424
[30] US (62/664,753) 2018-04-30

[21] **3,228,293**
[13] A1
[51] **Int.Cl. A61F 9/00 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **MULTI-WAVELENGTH PHOTOTHERAPY DEVICES, SYSTEMS, AND METHODS FOR THE NON-INVASIVE TREATMENT OF DAMAGED OR DISEASED TISSUE**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE PHOTOTHERAPIE A PLUSIEURS LONGUEURS D'ONDE POUR LE TRAITEMENT NON INVASIF DE TISSU ENDOMMAGE OU MALADE**
[72] TEDFORD, CLARK E., US
[72] DELAPP, SCOTT, US
[72] BRADLEY, SCOTT, US
[71] LUMITHERA, INC., US
[22] 2015-09-09
[41] 2016-03-17
[62] 2,960,016
[30] US (62/048,211) 2014-09-09
[30] US (62/048,187) 2014-09-09
[30] US (62/048,182) 2014-09-09

[21] **3,228,352**
[13] A1
[25] EN
[54] **USING FLAT DATA INPUT SET FOR SIMULTANEOUS APPLICATION OF MULTIPLE SEPARATE CALCULATIONS RULE SETS TO OBTAIN MULTIPLE OUTPUT RESULTS**
[54] **UTILISATION D'ENSEMBLE DE DONNEES D'ENTREE DIRECTES DESTINE A L'APPLICATION SIMULTANEE DE PLUSIEURS ENSEMBLES DE REGLES DE CALCUL SEPAREES POUR OBTENIR PLUSIEURS RESULTATS**
[72] BL, KAI, US
[72] BARGAR, MICHAEL, US
[71] COGNIZANT TECHNOLOGY SOLUTIONS U.S. CORPORATION, US
[22] 2018-05-16
[41] 2018-11-16
[62] 3,005,074
[30] US (62/507,080) 2017-05-16
[30] US (15/980,989) 2018-05-16

[21] **3,228,393**
[13] A1
[25] EN
[54] **LOAD-HANDLING DEVICE**
[54] **DISPOSITIF DE MANUTENTION DE CHARGE**
[72] POPA, DANIEL, GB
[72] MAYADEEN, DEL, GB
[72] HARMAN, MATTHEW, GB
[72] SHARP, NICK, GB
[72] PILLAI, VIPIN, GB
[71] OCADO INNOVATION LIMITED, GB
[22] 2020-03-20
[41] 2020-10-01
[62] 3,134,475
[30] GB (1903982.5) 2019-03-22

[21] **3,228,450**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR A UNIVERSAL DATA LINK WITH DEMODULATION AND MODULATION ONLY PROCESSING AT INTERMEDIATE NODES**
[54] **SYSTEMES ET PROCEDES POUR UNE LIAISON DE DONNEES UNIVERSELLE AVEC TRAITEMENT DE DEMODULATION ET DE MODULATION UNIQUEMENT AU NIVEAU DE N.UDS INTERMEDIAIRES**
[72] CAMPOS, LUIS ALBERTO, US
[72] ANDREOLI-FANG, JENNIFER, US
[72] CARY, JUDSON D., US
[72] SMITH, DAVID DANIEL, US
[71] CABLE TELEVISION LABORATORIES, INC., US
[22] 2019-01-23
[41] 2019-08-01
[62] 3,088,402
[30] US (62/620,615) 2018-01-23
[30] US (62/646,221) 2018-03-21
[30] US (62/772,117) 2018-11-28
[30] US (62/777,857) 2018-12-11

[21] **3,228,468**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR A UNIVERSAL DATA LINK WITH DEMODULATION AND MODULATION ONLY PROCESSING AT INTERMEDIATE NODES**
[54] **SYSTEMES ET PROCEDES POUR UNE LIAISON DE DONNEES UNIVERSELLE AVEC TRAITEMENT DE DEMODULATION ET DE MODULATION UNIQUEMENT AU NIVEAU DE N.UDS INTERMEDIAIRES**
[72] CAMPOS, LUIS ALBERTO, US
[72] ANDREOLI-FANG, JENNIFER, US
[72] CARY, JUDSON D., US
[72] SMITH, DAVID DANIEL, US
[71] CABLE TELEVISION LABORATORIES, INC., US
[22] 2019-01-23
[41] 2019-08-01
[62] 3,088,402
[30] US (62/620,615) 2018-01-23
[30] US (62/646,221) 2018-03-21
[30] US (62/772,117) 2018-11-28
[30] US (62/777,857) 2018-12-11

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