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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
[45] - Date of Issue
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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of May 28, 2024 contains applications open to public inspection from May 12, 2024 to May 18, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 28 mai 2024 contient les demandes disponibles au public pour consultation pour la période du 12 mai 2024 au 18 mai 2024.

Canadian Patents Issued

May 28, 2024

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[72] GILSON, ROSS, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **PHARMACEUTICAL COMPOSITION COMPRISING NALTREXONE AND BUOPROPION FOR ADMINISTRATION WITH FOOD**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE LA NALTREXONE ET DU CITRATE POUR ADMINISTRATION AVEC DES ALIMENTS**
[72] FLANAGAN, SHAWN, US
[72] DUNAYEVICH, EDUARDO, US
[73] NALPROPION PHARMACEUTICALS LLC, US
[85] 2013-05-28
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[54] **COMPOUND IN-SITU AND MINABLE OILSANDS WASTE DISPOSAL**
[54] **COMPOSE SUR PLACE ET ELIMINATION DES DECHETS DE SABLES BITUMINEUX EXPLOITABLES**
[72] BETZER, MAOZ, CA
[73] BETZER, MAOZ, CA
[86] (2841633)
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[54] **COMPOSITIONS AND METHODS FOR INHIBITING PRECIPITATION OF DYES IN A BEVERAGE**
[54] **COMPOSITIONS ET PROCEDES POUR INHIBER LA PRECIPITATION DE COLORANTS DANS UNE BOISSON**
[72] PIORKOWSKI, DANIEL, US
[72] PLONSKI, THOMAS, US
[72] RAGNARSSON, KARL, US
[73] KRAFT FOODS GROUP BRANDS LLC, US
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[54] **TRANSACTIONS DE CERTIFICATS D'ACTIONS ETRANGERES EN DOLLARS ET TRANSACTIONS ELECTRONIQUES COMMERCIALES CONVIVIALES ET DE PRISES EN PENSION**
[72] GINSBERG, PHILIP M., US
[72] LUTNICK, HOWARD W., US
[73] CFPH, LLC, US
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[54] **APPAREIL POUR MESURE D'ACTIVITE ELECTROCUTANEE A COMPENSATION DE COURANT**
[72] TOGNETTI, SIMONE, IT
[72] CENCI, IVAN, IT
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[72] GARBARINO, MAURIZIO, IT
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[54] **COMPOSES TAFA4 ET LEURS UTILISATIONS POUR LE TRAITEMENT DE LA DOULEUR**
[72] MOQRICH, AZIZ, FR
[72] DELFINI, MARIE-CLAIRE, FR
[72] MANTILLERI, ANNABELLE, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[54] **COMPOSITION ANHYDRE DE COLLAGE EN SURFACE ET PROCEDE DE TRAITEMENT DE SUBSTRAT DE PAPIER AU MOYEN DE CETTE COMPOSITION**
[72] SANAPO, GABRIEL FERNANDO, CA
[72] JACQUES, MATIEU, CA
[72] GIGUERE, TOMMY, CA
[73] ECOLAB USA INC., US
[85] 2015-10-27
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[54] **PRISE MURALE POLYVALENTE AVEC TRANSMISSION DE DONNEES SANS FIL**
[72] RIVERA, MANOLO FABIO, US
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[54] **TISSUE STRUCTURE AND PREPARATION METHOD THEREOF**
[54] **STRUCTURE TISSULAIRE ET PROCEDE DE FABRICATION ASSOCIE**
[72] EJIRI, YOKO, JP
[72] AYANO, SATORU, JP
[72] FUKUHARA, NAOTO, JP
[72] TANIGUCHI, HIDEKI, JP
[72] TAKEBE, TAKANORI, JP
[73] CORNING INCORPORATED, US
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[54] **SYSTEMES POUR L'AFFICHAGE TETE HAUTE DE L'INFORMATION D'UN VEHICULE DE TRANSPORT PUBLIC**
[72] NYKAMP, RICHARD JAMES, CA
[73] TRAPEZE SOFTWARE ULC, CA
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[54] **DETERMINATION DE POINTS D'INTERET**
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[72] WILLIAMS, HEIDEMARIE W., US
[72] FISCHER, ADAM, US
[73] COSTAR REALTY INFORMATION, INC., US
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[54] **COMPOSITIONS PHARMACEUTIQUES COMPORTANT DES DIASTEREOMERES MACROLIDES, LEURS PROCEDES DE SYNTHESE ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] NITTOLI, THOMAS, US
[72] JAIN, NARESHKUMAR F., US
[72] MARKOTAN, THOMAS PATRICK, US
[73] REGENERON PHARMACEUTICALS, INC., US
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[54] **STEROIDES NEUROACTIFS, COMPOSITIONS ET UTILISATIONS**
[72] MARTINEZ BOTELLA, GABRIEL, US
[72] HARRISON, BOYD L., US
[72] ROBICHAUD, ALBERT JEAN, US
[72] SALITURO, FRANCESCO GERALD, US
[72] HERR, ROBERT JASON, US
[72] KARGBO, ROBERT BORBO, US
[73] SAGE THERAPEUTICS, INC., US
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[54] **DETECTION DE TENDANCES A PARTIR D'IMAGES TELECHARGEES SUR UN RESEAU SOCIAL**
[72] FREUND, MARTIN BRANDT, US
[72] XIE, YUANYING, US
[73] GOOGLE LLC, US
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[54] **SYSTEM AND METHOD FOR CLASSIFYING SIGNAL MODULATIONS**
[54] **SYSTEME ET METHODE DE CLASSEMENT DE MODULATIONS DE SIGNAL**
[72] URETEN, OKTAY, CA
[72] YENSEN, TREVOR N., CA
[73] ALLEN-VANGUARD CORPORATION, CA
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[54] **CANOLA INBRED LINE G30853A**
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[72] GINGERA, GREGORY ROSS, CA
[72] KNIEVEL, DONNA CAROLYNN, CA
[73] AGRIGENETICS, INC., US
[86] (2925985)
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[54] **POWER CONTROLLER FOR A DOOR LOCK AND METHOD OF CONSERVING POWER**
[54] **COMMANDE D'ELECTRICITE DESTINEE A UN VERROU DE PORTE ET METHODE DE CONSERVATION D'ENERGIE**
[72] SHAFFER, RANDALL, US
[72] CORBIN, DAVID, US
[73] HANCHETT ENTRY SYSTEMS, INC., US
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[54] **USE OF MONENSIN TO REGULATE GLYCOSYLATION OF RECOMBINANT PROTEINS**
[54] **UTILISATION DE MONENSINE POUR REGULER LA GLYCOSYLATION DE PROTEINES DE RECOMBINAISON**
[72] PANDE, SANDHYA, US
[72] MUJACIC, MIRNA, US
[73] AMGEN INC., US
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[54] **SYSTEME ET METHODE DE DELEGATION DE DROITS DE SERVICE ENTRE PLUSIEURS SERVICES DE MEDIAS**
[72] GANGADHARAN, PRAVEEN, CA
[72] WAGHMARE, GEMINI, CA
[72] DEEN, JAY, CA
[72] WANG, JINGYU, CA
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[73] AMDOCS DEVELOPMENT LIMITED, CY
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[54] **TRAITEMENT EN AVAL D'UNE PHOSPHATASE ALCALINE**
[72] JONK, LUIGI JOHANNES CORNELIUS, NL
[72] CONNOR, STEPHEN EDWARD, GB
[72] VAN DEN BERG, ERIK JAN, NL
[72] VAN ELSAS, ANDREA, NL
[72] SHUKLA, ABHINAV ALOK, US
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[54] **INSTALLATION VERTICALE A PRODUCTION HORIZONTALE POUR L'EXTRACTION DE PETROLE LOURD**
[72] FILSTEIN, ALEXANDER, CA
[72] BEN-ZVI, AMOS, CA
[73] CENOVUS ENERGY INC., CA
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[54] **COMPOSITIONS DE COMPOSES SELENO-ORGANIQUES ET METHODES D'UTILISATION ASSOCIEES**
[72] POWER, RONAN, US
[72] LAN, ZI-JIAN, US
[73] ALLTECH, INC., US
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[72] DAHLBERG, CLINTON J., US
[72] BABISH, JOHN G., US
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[54] **INTERACTIVE AMUSEMENT ATTRACTION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'ACTIVITE DE DIVERTISSEMENT INTERACTIF**
[72] WESTON, DENISE CHAPMAN, US
[72] MENDELSON, AARON, US
[72] BRASSARD, DANIEL, CA
[72] HEAVEN, EDWIN MICHAEL GYDE, CA
[72] BRIGGS, RICK, US
[72] FRANKOWSKI, HYUMA, CA
[72] SEBULSKY, RICHARD A., CA
[73] WHITEWATER WEST INDUSTRIES LTD., CA
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[54] **METHOD FOR DYNAMICALLY ADAPTING THE CAPACITY OF A CONTENTION TRANSMISSION CHANNEL**
[54] **METHODE D'ADAPTATION DYNAMIQUE DE LA CAPACITE D'UN CANAL DE TRANSMISSION DE CONFLIT**
[72] NIDDAM, DAVID, FR
[72] GINESTE, MATHIEU, FR
[72] FAURE, CECILE, FR
[72] ULPAT, ISABELLE, FR
[73] THALES, FR
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[73] URBAN ENGINES, INC., US
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[54] **MAGASIN DE FIXATIONS A PINCE**
[72] ORCHARD, BRIAN KEITH, CA
[73] ORCHARD, BRIAN KEITH, CA
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[54] **PREAMBLE SYMBOL GENERATION AND RECEIVING METHOD, AND FREQUENCY-DOMAIN SYMBOL GENERATION METHOD AND DEVICE**
[54] **PROCEDE DE GENERATION DE SYMBOLE DE PREAMBULE, PROCEDE DE RECEPTION DE SYMBOLE DE PREAMBULE, PROCEDE DE GENERATION DE SYMBOLE DE DOMAINE DE FREQUENCE, ET APPAREILS**
[72] ZHANG, WENJUN, CN
[72] XING, GUANBIN, CN
[72] HUANG, GE, CN
[72] XU, HONGLIANG, CN
[72] HE, DAZHI, CN
[72] GUAN, YUNFENG, CN
[73] SHANGHAI NATIONAL ENGINEERING RESEARCH CENTER OF DIGITAL TELEVISION CO., LTD., CN
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[54] **METHODE ET SYSTEME DE SUPPORT A LA COLLECTE DE COMMANDE AU MOYEN DE GEO-LIMITE**
[72] SCHOLEY, ABBY, US
[72] SUTTON, JOSEPH, US
[72] RASTOGI, NEHA, US
[72] ORIANI, ANDRE, US
[72] GOIS, ALEXANDRE DE SOUZA, US
[72] WRIGHT, BRENDAN, US
[72] ALBRIGHT, ROBB, US
[73] WALMART APOLLO, LLC, US
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[54] **METHODS AND SYSTEMS FOR SELECTIVE HYDROGEN GAS EXTRACTION FOR DISSOLVED GAS ANALYSIS APPLICATIONS**
[54] **METHODE ET SYSTEME D'EXTRACTION SELECTIVE D'HYDROGENE GAZEUX DESTINES A DES APPLICATIONS D'ANALYSE DE GAZ**
[72] HUNTER, JAMES CHRISTOPHER, GB
[72] BLACK, GRAINNE, GB
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[86] (2950795)
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[54] **USES OF HUMANIZED COBRA VENOM FACTOR FOR REDUCING OR PREVENTING IMMUNOGENICITY**
[54] **UTILISATIONS DU FACTEUR DE VENIN DE COBRA HUMANISE POUR REDUIRE OU PREVENIR L'IMMUNOGENICITE**
[72] VOGEL, CARL-WILHELM, US
[72] FINNEGAN, PAUL, US
[72] RAYES, JULIE, FR
[72] LACROIX-DESMAZES, SEBASTIEN, FR
[73] UNIVERSITY OF HAWAII, US
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[54] **FUEL RECIRCULATION METHOD AND VALVE**
[54] **METHODE DE RECIRCULATION DE CARBURANT ET ROBINET**
[72] RIVELAND, SHAUN, US
[72] WENZ, RYAN, US
[72] KISSE, BRANDON, US
[72] MUSCHA, JUSTIN, US
[73] DOOSAN BOBCAT NORTH AMERICA, INC., US
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[54] **ORTHESE TEXTILE A REVERS**
[72] SLASKI, JEAN-PIERRE, FR
[73] LABORATOIRES INNOTHERA, FR
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[54] **PARCEL SORTER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRI DE COLIS**
[72] LINDBO, SVERKER, GB
[73] OCADO INNOVATION LIMITED, GB
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[54] **SHIELDED PACKAGING SYSTEM FOR RADIOACTIVE WASTE**
[54] **SYSTEME D'EMBALLAGE BLINDE POUR DECHETS RADIOACTIFS**
[72] LEHNERT, ROBERT ALLEN, US
[72] THOMAS, BRANDON DAMON, US
[72] SISLEY, STEVEN EDWARD, US
[73] P&T GLOBAL SOLUTIONS, LLC, US
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[54] **SNOWBOARD BINDING AND STOPPER DEVICE FOR SNOWBOARD BINDING**
[54] **FIXATION ET DISPOSITIF DE FREINAGE DE PLANCHE A NEIGE DESTINE A UNE FIXATION DE PLANCHE A NEIGE**
[72] SUDA, KENTARO, JP
[73] XEBRA INC., JP
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[54] **RESEAU FINANCIER**
[72] LOVELESS, JACOB, US
[73] CFPH, LLC, US
[85] 2016-12-28
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[54] **METHODS AND SYSTEMS FOR EXTRACTING AUDITORY FEATURES WITH NEURAL NETWORKS**
[54] **METHODES ET SYSTEMES D'EXTRACTION DE FONCTIONNALITES AUDITIVES AU MOYEN DE RESEAUX NEURONAUX**
[72] BEKOLAY, TREVOR, US
[73] APPLIED BRAIN RESEARCH INC., CA
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[87] (2953953)
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[54] **ASSEMBLAGE D'ESSIEU**
[72] SMITH, SHAWN R., US
[72] SMITH, HARLAN B., US
[73] ENTRO INDUSTRIES, INC., US
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[54] **SURVEILLANCE DE L'UTILISATION OU DE L'ETAT DE RECUPERATEURS DE CHARIOTS**
[72] HANNAH, STEPHEN E., US
[72] JAMES, JESSE M., US
[72] EKBOTE, CHANDRASHEKHAR, US
[73] GATEKEEPER SYSTEMS, INC., US
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[54] **COMPOSITION DE REVETEMENT A BASE DE VERRE**
[72] ASHWORTH, JOHN, GB
[73] FLEXITALLIC INVESTMENTS, INC., US
[85] 2017-01-18
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[54] **DEVICE AND METHOD FOR SUPPORTING A BECKET OF A TRAVELLING BLOCK WHEN OPENED TO CONNECT OR DISCONNECT AN ITEM**
[54] **DISPOSITIF ET METHODE DE SUPPORT D'UN RINGOT SUR UNE POULIE MOBILE LORSQU'OUVERT POUR CONNECTER OU DECONNECTER UN ARTICLE**
[72] URQUHART, JESSE, CA
[73] URQUHART, JESSE, CA
[86] (2956757)
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[51] **Int.Cl. B27B 31/06 (2006.01)**
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[54] **TRACKING SYSTEM AND METHODS FOR TRACKING WOOD PRODUCTS IN A PRODUCTION LINE**
[54] **SYSTEME DE SUIVI ET METHODES DE SUIVI DES PRODUITS DE BOIS DANS UNE CHAINE DE PRODUCTION**
[72] VOYER, MARC, CA
[72] PAQUET, MARC-ANTOINE, CA
[73] USNR KOCKUMS CANCAR HOLDINGS ULC, CA
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[25] EN
[54] **ARC FAULT CIRCUIT INTERRUPTER DETECTOR SYSTEMS INCLUDING SUPER REGENERATIVE HIGH FREQUENCY RECEIVER**
[54] **SYSTEMES DE DETECTEUR D'INTERRUPTEUR DE CIRCUIT EN CAS DE DEFAUT D'ARC COMPORTANT UN RECEPTEUR HAUTE FREQUENCE SUPER REGENERATEUR**
[72] SCHMALZ, STEVEN CHRISTOPHER, US
[72] MCCLANAHAN, DAVID LEE, US
[72] LUEBKE, CHARLES JOHN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[25] EN
[54] **OXO-NITROGENATED VANADIUM COMPLEX, CATALYTIC SYSTEM COMPRISING SAID OXO-NITROGENATED VANADIUM COMPLEX AND PROCESS FOR (CO)POLYMERISING CONJUGATED DIENES**
[54] **COMPLEXE DE VANADIUM OXO-AZOTE, SYSTEME CATALYTIQUE COMPRENANT LEDIT COMPLEXE DE VANADIUM OXO-AZOTE ET PROCEDE DE (CO)POLYMERISATION DE DIENES CONJUGUES**
[72] PAMPALONI, GUIDO, IT
[72] RICCI, GIOVANNI, IT
[72] SOMMAZZI, ANNA, IT
[72] MASI, FRANCESCO, IT
[72] LEONE, GIUSEPPE, IT
[73] VERSALIS S.P.A., IT
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[54] **SYSTEME DE CAMERA AERIENNE**
[72] COPE, SIMON, AU
[72] VON BERTOUCH, MICHAEL, AU
[73] SPOOKFISH INNOVATIONS PTY LTD, AU
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[54] **IMAGE QUALITY TEST ARTICLE**
[54] **ARTICLE DE TEST DE QUALITE D'IMAGE**
[72] ATHERTON, ERIC, US
[72] ADERHOLDT, MATTHEW, US
[72] REGENSBUGER, JOSEPH, US
[72] FLAHERTY, LUCINDA, US
[72] COCHRAN, JOSEPH, US
[73] BATTELLE MEMORIAL INSTITUTE, US
[73] ATHERTON, ERIC, US
[73] ADERHOLDT, MATTHEW, US
[73] REGENSBUGER, JOSEPH, US
[73] FLAHERTY, LUCINDA, US
[73] COCHRAN, JOSEPH, US
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[54] **METHOD, APPARATUS, SYSTEM AND SOFTWARE FOR FOCUSING A CAMERA**
[54] **METHODE, APPAREIL, SYSTEME ET LOGICIEL SERVANT A LA FOCALISATION D'UNE CAMERA**
[72] PRESTON, HOWARD, US
[73] PRESTON, HOWARD, US
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[54] **AMELIORATIONS INTRODUITES DANS UN HYGROMETRE PORTATIF DESTINE A UNE UTILISATION A DISTANCE**
[72] DA SILVA, MANOEL HENRIQUE, BR
[73] DA SILVA, MANOEL HENRIQUE, BR
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[54] **STRUCTURE D'EVALUATION DU RISQUE**
[72] RANGAN, SURESH, US
[72] BOWMAN, JAMES L., US
[72] FISHER, ROBERT E., US
[73] FEDERAL EXPRESS CORPORATION, US
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[54] **UNE METHODE ET UN APPAREIL DE DETECTION D'UN SIGNAL**
[72] BARTKO, HENDRIK, DE
[73] ROHDE & SCHWARZ GMBH & CO. KG, DE
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[54] **METHOD FOR THE PRODUCTION OF PRAZIQUANTEL AND PRECURSORS THEREOF**
[54] **PROCEDE DE PRODUCTION DE PRAZIQUANTEL ET DE SES PRECURSEURS**
[72] MAILLARD, DAVID, DE
[72] WAECHTLER, ANDREAS, DE
[72] MAURIN, JEREMY, FR
[72] WAKARESKO, EWGENIJ, DE
[72] JASPER, CHRISTIAN, DE
[73] MERCK PATENT GMBH, DE
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[25] FR
[54] **CARD READER BODY WITH SECURED MEMORY**
[54] **CORPS DE LECTEUR DE CARTE A MEMOIRE SECURISE**
[72] PAVAGEAU, STEPHANE, FR
[72] JADEAU, JOHANN, FR
[73] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
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[54] **COMBINATION EXCAVATING BUCKET HAVING A RETRACTABLE TOOTH ARM**
[54] **COMBINAISON DE GODET D'EXCAVATION COMPORTANT UN BRAS DE DENT RETRACTABLE**
[72] KRELL, TRENT, CA
[72] GOLDADE, CHAD, CA
[73] KRELL, TRENT, CA
[73] GOLDADE, CHAD, CA
[86] (2968761)
[87] (2968761)
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[54] **PROCESS FOR INCREASING THE STABILITY OF A COMPOSITION COMPRISING POLYUNSATURATED OMEGA-6 FATTY ACIDS**
[54] **PROCEDE D'AUGMENTATION DE LA STABILITE D'UNE COMPOSITION COMPRENANT DES ACIDES GRAS OMEGA-6 POLYINSATURES**
[72] KNAUP, GUNTER, DE
[72] LATINOVIC, MILAN, DE
[72] SCHWARM, MICHAEL, DE
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[54] **FABRICATION PROCESS FOR A COMPOSITE PANEL**
[54] **PROCEDE DE FABRICATION D'UN PANNEAU COMPOSITE**
[72] LAROSE, JEAN-PHILIPPE, CA
[72] GUILLEMAND, FRANCK, CA
[72] LEVESQUE, MARTIN, CA
[73] HUTCHINSON AERONAUTIQUE & INDUSTRIE LTEE, CA
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[54] **METHODS AND COMPOSITIONS FOR TREATING BRAIN DISEASES**
[54] **PROCEDES ET COMPOSITIONS DE TRAITEMENT DE MALADIES CEREBRALES**
[72] DAVIDSON, BEVERLY L., US
[72] LEE, JOHN H., US
[73] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
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[54] **DUAL AUGER GRAIN CART WITH ADJUSTABLE FORWARD REACH**
[54] **CHARIOT A GRAINS A TARIERE DOUBLE DOTE D'UN ACCES ARRIERE AJUSTABLE**
[72] VAN MILL, MICHAEL D., US
[72] SCHLIMGEN, RONALD JOSEPH, US
[73] UNVERFERTH MANUFACTURING COMPANY, INC., US
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[54] **MODULATORS OF THE FUNCTION OF THE CORE DOMAIN OF ANNEXINS, AND USES THEREOF IN AUTOIMMUNE AND/OR CANCER THERAPY**
[54] **MODULATEURS DE LA FONCTION DU DOMAINE CORE DES ANNEXINES ET UTILISATIONS ASSOCIEES DANS LE TRAITEMENT DES MALADIES AUTO-IMMUNES OU DU CANCER**
[72] KRAMMER, PETER H., DE
[72] KURZ, ALEXANDRA, DE
[72] LINKE, BJORN, DE
[72] WEYD, HEIKO, DE
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[54] **METHODS AND APPARATUS FOR WELDING WORK PIECES HAVING DISSIMILAR COMPOSITIONS**
[54] **PROCEDES ET APPAREIL POUR LE SOUDAGE DE PIECES A USINER PRESENTANT DES COMPOSITIONS DIFFERENTES**
[72] BUSH, DONALD R., US
[72] ROHRDANZ, NICHOLAS B., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **POLYAPHRONS AND PALPEBRAL ADMINISTRATION THEREOF**
[54] **POLYAPHRONS ET LEUR ADMINISTRATION PALPEBRALE**
[72] SCHMITT, MATHIEU, FR
[72] KIDO, KAZUTAKA, JP
[72] INAGAKI, KOJI, JP
[72] BOUTTAZ, ADELINE, FR
[73] SANTEN PHARMACEUTICAL CO., LTD, JP
[73] SANTEN SAS, FR
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[54] **COMPOSITIONS AND METHODS FOR TREATING RETINAL DEGRADATION**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE DEGRADATIONS DE LA RETINE**
[72] AMBATI, JAYAKRISHNA, US
[72] FOWLER, BENJAMIN, US
[72] AMBATI, KAMESHWARI, US
[73] UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, US
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[54] **COMPOSITIONS AND METHODS FOR INTRAVITREAL DELIVERY OF POLYNUCLEOTIDES TO RETINAL CONES**
[54] **COMPOSITIONS ET PROCEDES D'ADMINISTRATION INTRAVITREENNE DE POLYNUCLEOTIDES A DES CONES RETINIENS**
[72] CHALBERG, THOMAS W., US
[72] NEITZ, JAY, US
[72] NEITZ, MAUREEN, US
[73] ADVERUM BIOTECHNOLOGIES, INC., US
[73] UNIVERSITY OF WASHINGTON, US
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[54] **MAYTANSINOID DERIVATIVES, CONJUGATES THEREOF, AND METHODS OF USE**
[54] **DERIVES DE MAYTANSINOIDE, CONJUGUES DE CEUX-CI, ET PROCEDES D'UTILISATION**
[72] NITTOLI, THOMAS, US
[72] MARKOTAN, THOMAS, US
[73] REGENERON PHARMACEUTICALS, INC., US
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[54] **USE OF A POROUS CAPILLARY MEMBRANE FOR DETERMINING THE AMOUNT OF ROLLING CIRCLE AMPLIFICATION PRODUCTS**
[54] **UTILISATION D'UNE MEMBRANE CAPILLAIRE POREUSE POUR DETERMINER LA QUANTITE DE PRODUITS D'AMPLIFICATION PAR CERCLE ROULANT**
[72] OHMAN, OVE, SE
[72] PERSSON, FREDRIK, SE
[72] HOWELL, MATHIAS, SE
[73] VANADIS DIAGNOSTICS, SE
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[54] **METHOD FOR CALIBRATING AN ONBOARD UNIT, SYSTEM, AND ONBOARD UNIT THEREFOR**
[54] **METHODE D'ETALONNAGE D'UN MODULE EMBARQUE, SYSTEME ET MODULE EMBARQUE ASSOCIE**
[72] MALARKY, ALASTAIR, CA
[73] KAPSCH TRAFFICCOM AG, AT
[86] (2978868)
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[54] **SOLUTION PHASE METHOD FOR PREPARING ETELCALCETIDE**
[54] **PROCEDE DE PREPARATION D'ETELCALCETIDE EN PHASE SOLUBLE**
[72] CUI, SHENG, US
[72] RANGANATHAN, KRISHNAKUMAR, US
[72] CROCKETT, RICHARD, US
[72] CHEN, YING, US
[72] SWIETLOW, ALEKSANDER, US
[72] CROSSLEY, KEVIN, US
[72] SHI, YUN, US
[72] DECROOS, KAREL, BE
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[73] AMGEN INC., US
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[54] **AZOPHENOLS AS ERG ONCOGENE INHIBITORS**
[54] **AZOPHENOLS UTILISES EN TANT QU'INHIBITEURS DE L'ONCOGENE ERG**
[72] DOBI, ALBERT L., US
[72] DALGARD, CLIFTON, US
[72] SRIVASTAVA, SHIV, US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR CLEARING POINT-OF-SALE TERMINAL PRE-AUTHORIZATIONS**
[54] **SYSTEME ET PROCEDE DE REGLEMENT DE PREAUTORISATIONS DE TERMINAUX DE POINT DE VENTE**
[72] ECKER, JEFFREY AARON, CA
[72] GLEESON, BRYAN MICHAEL, CA
[72] ELKHINOVICH, IGOR, CA
[72] RABINOVICH, DMITRI, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] WAKIM, MATTA, CA
[72] ODOBETSKIY, KYRYLL, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JETHWA, RAKESH THOMAS, CA
[73] THE TORONTO-DOMINION BANK, CA
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[54] **PROMOTEURS INDUCTIBLES DE TRICHODERMA REESEI**
[72] DERLOT, CLAIRE, FR
[72] BLANQUET, SENTA, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **SYSTEME DE GRADATION VERS LE CHAUD ET PROCEDE POUR L'UTILISER**
[72] HAMILTON, DOUGLAS M., US
[72] MACKEY, ANTHONY M., US
[73] HUBBELL LIGHTING, INC., US
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[54] **SURVEILLANCE DE L'ACTIVITE NEURALE DU CERVEAU**
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[72] GMEL, GERRIT EDUARD, AU
[73] CLOSED LOOP MEDICAL PTY LTD, AU
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[25] EN
[54] **PHOTOSENSITIVE PIXEL STRUCTURE WITH INCREASED LIGHT ABSORPTION AND PHOTOSENSITIVE IMPLANT**
[54] **STRUCTURE DE PIXELS PHOTOSENSIBLES AYANT UNE ABSORPTION DE LUMIERE ACCRUE ET IMPLANT PHOTOSENSIBLE**
[72] DETERRE, MARTIN, FR
[73] PIXIUM VISION SA, FR
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[54] **IMPROVED IMPLANTABLE VALVE ASSEMBLY WITH EXTENDED LIFESPAN**
[54] **MECANISME DE VALVE IMPLANTABLE AMELIOREE A DUREE UTILE PROLONGEE**
[72] BODEN, THOMAS, JR., US
[72] DEXTRADEUR, ALAN J., US
[73] INTEGRA LIFESCIENCES SWITZERLAND SARL, CH
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[54] **ARRAY MICROPHONE SYSTEM AND METHOD OF ASSEMBLING THE SAME**
[54] **SYSTEME DE MICROPHONES RESEAU ET SON PROCEDE D'ASSEMBLAGE**
[72] ABRAHAM, MATHEW T., US
[72] CASON, DAVID GRANT, US
[72] GIBBS, JOHN CASEY, US
[72] LANTZ, GREGORY WILLIAM, US
[72] MCGOVERN, ALBERT FRANCIS, US
[72] SHUMARD, BRENT ROBERT, US
[73] SHURE ACQUISITION HOLDINGS, INC., US
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[25] EN
[54] **BIOSENSORS AND METHODS FOR DETECTION OF LYSOPHOSPHATIDIC ACID FOR SIGNALING OF OVARIAN CANCER**
[54] **BIO-CAPTEURS ET PROCEDES DE DETECTION DE L'ACIDE LYSOPHOSPHATIDIQUE POUR LA SIGNALISATION DU CANCER DE L'OVAIRE**
[72] DE LA FRANIER, BRIAN, CA
[72] THOMPSON, MICHAEL, CA
[73] DE LA FRANIER, BRIAN, CA
[73] THOMPSON, MICHAEL, CA
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[54] **POLYESTER DE HAUTE VISCOSITE AUX PROPRIETES CHOC AMELIOREES**
[72] JACQUEL, NICOLAS, FR
[72] SAINT-LOUP, RENE, FR
[72] PASCAULT, JEAN-PIERRE, FR
[72] FENOUILLOT, FRANCOISE, FR
[72] ROUSSEAU, ALAIN, FR
[73] ROQUETTE FRERES, FR
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[54] **COMPOSITIONS AND METHODS FOR SCREENING SOLID TUMORS**
[54] **COMPOSITIONS ET PROCEDES DE DEPISTAGE DE TUMEURS SOLIDES**
[72] SANDERS, HEATHER, US
[72] QU, KEVIN, US
[72] PRENTICE, JAMES, US
[72] WALDMAN, FREDERIC, US
[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
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[25] EN
[54] **A METHOD FOR INCREASING THE REACTIVITY OF LIGNIN, A RESIN COMPOSITION COMPRISING SAID LIGNIN AND USE OF SAID RESIN COMPOSITION**
[54] **PROCEDE PERMETTANT D'AUGMENTER LA REACTIVITE DE LA LIGNINE, COMPOSITION DE RESINE COMPRENANT LADITE LIGNINE ET UTILISATION DE LADITE COMPOSITION DE RESINE**
[72] ARESKOGH, DIMITRI, SE
[72] ZAFAR, ASHAR, SE
[73] STORA ENSO OYJ, FI
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[54] **MULTI-CHANNEL FLAME SIMULATION METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL DE SIMULATION DE FLAMME MULTICANAL**
[72] OCEGUEDA GALLAGA, VICTOR HUGO, MX
[72] TANG, AN-WU, CN
[72] CHENG, LEWIS KA HANG, CN
[73] POLYGROUP MACAU LIMITED (BVI),
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[54] **SHORT RANGE WIRELESS TRANSLATION METHODS AND SYSTEMS FOR HANDS-FREE FARE VALIDATION**
[54] **PROCEDES DE TRADUCTION SANS FIL A COURTE PORTEE ET SYSTEMES POUR VALIDATION DE TARIF DE TRANSPORT MAINS LIBRES**
[72] BERGDALE, MICAH, US
[72] IHM, NICHOLAS, US
[72] REJKO, KEVIN, US
[72] O'HAIRE, MICHAEL, US
[72] DONOVAN, EDWARD J., US
[73] BYTEMARK, INC., US
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[30] US (62/206,196) 2015-08-17
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[54] **THERMALLY CONDUCTIVE RING ASSEMBLIES SUITABLE FOR LOAD CENTERS**
[54] **ASSEMBLAGES D'ANNEAUX CONDUCTEURS THERMIQUES CONVENANT AUX CENTRES DE CHARGE**
[72] MALONEY, JAMES GERARD, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2989081)
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[25] EN
[54] **ISOLATED HIGH PRECISION PILOT VOLTAGE GENERATING CIRCUIT AND ELECTRIC VEHICLE SUPPLY EQUIPMENT INCLUDING THE SAME**
[54] **CIRCUIT DE PRODUCTION DE TENSION PILOTE HAUTE PRECISION ISOLE ET EQUIPEMENT D'ALIMENTATION DE VEHICULE ELECTRIQUE COMPORTANT LEDIT CIRCUIT**
[72] YANG, ANDREW, CN
[72] XIONG, TOM, CN
[72] ZHONG, KEVIN, CN
[72] ZHUANG, ALEX, CN
[72] CHEN, MARTIN, CN
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2989137)
[87] (2989137)
[22] 2017-12-18
[30] US (15/384553) 2016-12-20

[11] **2,989,168**
[13] C
[51] **Int.Cl. A61K 6/54 (2020.01) A61K 6/17 (2020.01) A61K 41/10 (2020.01)**
[25] EN
[54] **STERILIZABLE DENTAL ROOT CANAL FILLING COMPOSITION, POINTS/CONES MADE OF SAME, AND PROCESS OF STERILIZING SAME**
[54] **COMPOSITION DE REMPLISSAGE DE TRAITEMENT DE CANAL POUVANT ETRE STERILISEE, POINTS/CONES FABRIQUES AU MOYEN DE CETTE COMPOSITION ET PROCEDE DE STERILISATION**
[72] LI, NATHAN Y., US
[73] DENTSPLY SIRONA INC., US
[85] 2017-12-11
[86] 2016-07-01 (PCT/US2016/040885)
[87] (WO2017/004605)
[30] US (62/187,751) 2015-07-01
[30] US (62/187,753) 2015-07-01

[11] **2,989,494**
[13] C
[51] **Int.Cl. H02B 1/56 (2006.01)**
[25] EN
[54] **THERMALLY CONDUCTIVE ASSEMBLIES WITH WEDGE BLOCKS FOR CONTACT HEAT CONDUCTION SUITABLE FOR ELECTRICAL DEVICES SUCH AS LOAD CENTERS**
[54] **ASSEMBLAGES CONDUCTEURS THERMIQUES DOTES DE BLOCS DE COIN DESTINES A UN CONTACT DE CONDUCTION THERMIQUE CONVENANT A DES DISPOSITIFS ELECTRIQUES COMME DES CENTRES DE CHARGE**
[72] MALONEY, JAMES GERARD, US
[72] GEHLBACK, JAMES LEE, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2989494)
[87] (2989494)
[22] 2017-12-19
[30] US (62/437844) 2016-12-22
[30] US (15/724349) 2017-10-04

[11] **2,990,042**
[13] C
[51] **Int.Cl. C01B 32/184 (2017.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01)**
[25] EN
[54] **METHODS FOR SYNTHESIZING GRAPHENE FROM ENCAPSULATED PARTICLES**
[54] **PROCEDES DE SYNTHESE DU GRAPHENE A PARTIR DE PARTICULES ENCAPSULEES**
[72] CAI, ZHIYONG, US
[72] YAN, QIANGU, US
[72] ZHANG, JILEI, US
[72] LI, JINGHAO, US
[72] MARCOCCIA, BRUNO SISTO, US
[72] FREIBERG, JAMES DAVID, US
[73] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[73] MISSISSIPPI STATE UNIVERSITY, US
[73] DOMTAR PAPER COMPANY, LLC, US
[86] (2990042)
[87] (2990042)
[22] 2017-12-21
[30] US (62/443207) 2017-01-06
[30] US (15/400281) 2017-01-06

[11] **2,990,889**
[13] C
[51] **Int.Cl. A61G 1/02 (2006.01) A61G 1/04 (2006.01) A61G 7/05 (2006.01) B62B 5/04 (2006.01)**
[25] EN
[54] **BRAKE ASSISTANCE SYSTEM FOR PATIENT HANDLING EQUIPMENT**
[54] **SYSTEME D'ASSISTANCE AU FREINAGE POUR EQUIPEMENT DE MANIPULATION DE PATIENT**
[72] JONSSON, JORGEN, SE
[72] ALIM, MUSADJAN, SE
[72] SMITH, DANNY, SE
[72] HOMBERG, ULF, SE
[72] PETERSSON, DANIEL, SE
[73] ARJO IP HOLDING AKTIEBOLAG, SE
[85] 2017-12-27
[86] 2016-06-29 (PCT/EP2016/065173)
[87] (WO2017/001497)
[30] EP (15174315.0) 2015-06-29

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[13] C
[51] **Int.Cl. B05B 1/20 (2006.01) B05B 13/02 (2006.01) B07C 5/36 (2006.01) G01N 21/85 (2006.01)**
[25] EN
[54] **NOZZLE DEVICE AND SYSTEM FOR SORTING OBJECTS**
[54] **DISPOSITIF FORMANT BUSE ET SYSTEME DE TRI D'OBJETS**
[72] FLEISCHER, UWE, DE
[73] TOMRA SORTING GMBH, DE
[85] 2018-01-02
[86] 2016-07-06 (PCT/EP2016/065936)
[87] (WO2017/005772)
[30] EP (15175494.2) 2015-07-06

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[51] **Int.Cl. C07D 207/40 (2006.01) A61K 31/4015 (2006.01) A61P 35/00 (2006.01) C07D 211/88 (2006.01)**
[25] EN
[54] **HYDANTOIN CONTAINING DEOXYURIDINE TRIPHOSPHATASE INHIBITORS**
[54] **HYDANTOINE CONTENANT DES INHIBITEURS DE LA DESOXYURIDINE TRIPHOSPHATASE**
[72] SPYVEE, MARK, US
[72] SHIRUDE, PRAVIN S., IN
[73] CV6 THERAPEUTICS (NI) LIMITED, GB
[85] 2018-01-05
[86] 2016-07-07 (PCT/IB2016/054091)
[87] (WO2017/006282)
[30] IN (740/KOL/2015) 2015-07-08

[11] **2,995,235**
[13] C
[51] **Int.Cl. B62D 55/08 (2006.01)**
[25] EN
[54] **REAR TRACK ASSEMBLY FOR A VEHICLE**
[54] **ENSEMBLE CHENILLE ARRIERE POUR UN VEHICULE**
[72] MARCHILDON, LOUIS-FREDERIC, CA
[72] L'HERAULT, PATRICK, CA
[72] BERNAIS, ALLEN, CA
[73] SOUCY INTERNATIONAL INC., CA
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[86] (2995235)
[87] (2995235)
[22] 2018-02-15
[30] US (62/459,526) 2017-02-15

[11] **2,995,831**
[13] C
[51] **Int.Cl. C05G 3/90 (2020.01) C05G 3/00 (2020.01)**
[25] EN
[54] **HIGH TEMPERATURE AMINE-STABILIZED DCD AND/OR ALKYL THIOPHOSPHORIC TRIAMIDE SOLVENT SYSTEMS AND USE IN AGRICULTURAL APPLICATIONS**
[54] **SYSTEMES DE SOLVANTS A BASE DE DCD ET/OU DE TRIAMIDE THIOPHOSPHORIQUE D'ALKYLE STABILISES PAR DES AMINES A HAUTE TEMPERATURE ET LEUR UTILISATION DANS DES APPLICATIONS AGRICOLES**
[72] ORTIZ-SUAREZ, MARIVI, US
[72] SAWYER, JAMES, US
[72] HARRIS, CHRISTOPHER, GB
[73] SPECIALTY OPERATIONS FRANCE, FR
[85] 2018-02-15
[86] 2016-08-17 (PCT/US2016/047310)
[87] (WO2017/031186)
[30] US (62/205,837) 2015-08-17

[11] **2,995,847**
[13] C
[51] **Int.Cl. A61K 51/04 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **PROBES FOR IMAGING HUNTINGTIN PROTEIN**
[54] **SONDES D'IMAGERIE DE LA PROTEINE HUNTINGTINE**
[72] DOMINGUEZ, CELIA, US
[72] WITYAK, JOHN, US
[72] BARD, JONATHAN, US
[72] BROWN, CHRISTOPHER JOHN, US
[72] PRIME, MICHAEL EDWARD, US
[72] JOHNSON, PETER DAVID, US
[72] KRULLE, THOMAS MARTIN, US
[72] CLARK-FREW, DANIEL, US
[72] HIGGINS, DUANE, US
[72] MILLS, MATTHEW ROBERT, US
[72] MARSTON, RICHARD WALDRON, US
[72] COE, SAMUEL, US
[72] GREEN, SAMANTHA LOUISE JONES, US
[72] HAYES, SARAH, US
[73] CHDI FOUNDATION, INC., US
[85] 2018-02-15
[86] 2016-08-26 (PCT/US2016/049112)
[87] (WO2017/040336)
[30] US (62/211,118) 2015-08-28

[11] **2,996,379**
[13] C
[51] **Int.Cl. B07C 5/04 (2006.01) B29B 17/02 (2006.01)**
[25] EN
[54] **METHOD OF SORTING TRASH FOR RECYCLING OF PAPER AND APPARATUS FOR SORTING TRASH FOR PAPER RECYCLING**
[54] **METHODE DE TRI DE DECHETS EN VUE DE RECYCLER LE PAPIER ET APPAREIL DE TRI DES DECHETS EN VUE DE RECYCLER LE PAPIER**
[72] SCHELLATI, BRIAN, US
[73] VAN DYK BALER CORP., US
[86] (2996379)
[87] (2996379)
[22] 2018-02-26
[30] US (62/464,536) 2017-02-28
[30] US (15/903,318) 2018-02-23

[11] **2,996,701**
[13] C
[51] **Int.Cl. A61K 31/7115 (2006.01) A61K 31/713 (2006.01) A61P 3/00 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING A PROPROTEIN CONVERTASE SUBTILISIN KEXIN (PCSK9) GENE-ASSOCIATED DISORDER**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UN TROUBLE ASSOCIE A UN GENE DE PROPROTEINE CONVERTASE SUBTILISINE KEXINE (PCSK9)**
[72] FITZGERALD, KEVIN, US
[73] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2018-02-26
[86] 2016-08-25 (PCT/US2016/048666)
[87] (WO2017/035340)
[30] US (62/209,526) 2015-08-25

[11] **2,996,832**
[13] C
[51] **Int.Cl. F16D 55/228 (2006.01) F16D 65/092 (2006.01)**
[25] EN
[54] **BACKING PLATE FOR A DISK BRAKE LINING, DISK BRAKE LINING, AND FIXED-CALIPER DISK BRAKE THEREFOR**
[54] **PLAQUE DORSALE POUR UNE GARNITURE DE FREIN A DISQUE, GARNITURE DE FREIN A DISQUE ET FREIN A DISQUE A ETRIER FIXE**
[72] DREHER, HERBERT, DE
[72] GOLZ, DIETRICH, DE
[72] MEHNER, GOTZ, DE
[72] MARR, ANDREAS, DE
[72] HAAG, MATHIAS, DE
[72] ZIMNOCH, FREDERIC, DE
[73] CONTINENTAL AUTOMOTIVE TECHNOLOGIES GMBH, DE
[85] 2018-02-27
[86] 2016-08-17 (PCT/EP2016/069530)
[87] (WO2017/036802)
[30] DE (10 2015 216 592.2) 2015-08-31
[30] DE (10 2016 209 069.0) 2016-05-25

[11] **2,996,927**
[13] C
[51] **Int.Cl. G01S 1/72 (2006.01) B60W 40/02 (2006.01) G01S 3/802 (2006.01) G08G 1/0965 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTION OF A TARGET SOUND**
[54] **SYTEMES ET METHODES DE DETECTION D'UN SON CIBLE**
[72] MOORE, BRIAN, CA
[72] HOANG, VIET, CA
[72] BRIZEL, KEN, CA
[72] ESFAHANY, SIAMAK AKHLAGHI, CA
[72] SANDHU, AJAY, CA
[73] SOLTARE INC., CA
[86] (2996927)
[87] (2996927)
[22] 2018-03-01
[30] US (62/465,548) 2017-03-01
[30] US (62/529,657) 2017-07-07
[30] US (62/548,337) 2017-08-21

[11] **2,997,338**
[13] C
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/60 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING VOLUMETRIC DATA OF A PREDETERMINED ANATOMICAL FEATURE**
[54] **PROCEDE ET APPAREIL PERMETTANT DE DETERMINER DES DONNEES VOLUMETRIQUES D'UNE CARACTERISTIQUE ANATOMIQUE PREDETERMINEE**
[72] HUSHEER, SHAMUS, GB
[73] HEARTFELT TECHNOLOGIES LIMITED, GB
[85] 2018-03-02
[86] 2016-09-02 (PCT/GB2016/052719)
[87] (WO2017/037472)
[30] GB (1515634.2) 2015-09-03

[11] **2,997,406**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **TYPE II ANTI-CD20 ANTIBODY FOR REDUCING FORMATION OF ANTI-DRUG ANTIBODIES OR CYTOKINE RELEASE**
[54] **ANTICORPS ANTI-CD20 DE TYPE II POUR REDUIRE LA FORMATION D'ANTICORPS ANTI-MEDICAMENT OU LA LIBERATION DE CYTOKINE**
[72] BACAC, MARINA, CH
[72] EVERS, STEFAN, CH
[72] KLEIN, CHRISTIAN, CH
[72] PISA, PAVEL, CH
[72] ROSSMANN, EVA, CH
[72] SARO, JOSE, CH
[72] UMANA, PABLO, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-03-05
[86] 2016-12-06 (PCT/EP2016/079800)
[87] (WO2017/097723)
[30] EP (15198715.3) 2015-12-09
[30] EP (16172739.1) 2016-06-02
[30] EP (16193151.4) 2016-10-10

[11] **2,999,050**
[13] C
[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **PROTECTED DNA TEMPLATES FOR GENE MODIFICATION AND INCREASED HOMOLOGOUS RECOMBINATION IN CELLS AND METHODS OF USE**
[54] **MATRICES ADN PROTEGEES POUR MODIFICATION GENIQUE ET RECOMBINAISON HOMOLOGUE ACCRUE DANS LES CELLULES ET LEURS PROCEDES D'UTILISATION**
[72] FRISCH, RYAN L., US
[73] IFF US HOLDING, LLC, US
[85] 2018-03-16
[86] 2016-10-11 (PCT/US2016/056404)
[87] (WO2017/066175)
[30] US (62/240,140) 2015-10-12

[11] **2,999,190**
[13] C
[51] **Int.Cl. A61M 16/08 (2006.01) A61B 5/08 (2006.01) A61B 5/097 (2006.01) A61M 16/00 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **RESPIRATORY ASSEMBLY**
[54] **ENSEMBLE RESPIRATOIRE**
[72] HEATHERINGTON, STUART, US
[72] PETRUSCHKE, HAANS, US
[72] STURDEVANT, MICHAEL, US
[73] SNAP CPAP, LLC, US
[85] 2018-03-19
[86] 2016-10-06 (PCT/US2016/055834)
[87] (WO2017/062677)
[30] US (14/876,099) 2015-10-06
[30] US (29/577,513) 2016-09-13
[30] US (29/577,512) 2016-09-13
[30] US (29/577,515) 2016-09-13
[30] US (62/495,576) 2016-09-13

[11] **2,999,817**
[13] C
[51] **Int.Cl. C09J 5/06 (2006.01)**
[25] EN
[54] **SYSTEM AND CORRESPONDING PROCESS FOR GLUING TOGETHER TWO COMPONENTS ON A VEHICLE-BODY ASSEMBLY LINE**
[54] **SYSTEME ET PROCEDE ASSOCIE DE COLLAGE DE DEUX COMPOSANTS SUR UNE LIGNE D'ASSEMBLAGE DE CARROSSERIE DE VEHICULE**
[72] ARDUINO, STEFANO, IT
[72] DI STEFANO, GIOVANNI, IT
[72] SERPI, VALERIA, IT
[73] COMAU S.P.A., IT
[85] 2018-03-23
[86] 2016-10-27 (PCT/IB2016/056452)
[87] (WO2017/072681)
[30] EP (15191738.2) 2015-10-27

[11] **3,000,072**
[13] C
[51] **Int.Cl. B62K 19/02 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE LIGHT WEIGHT VEHICLE FRAME**
[54] **CHASSIS DE VEHICULE LEGER HAUT RENDEMENT**
[72] TIMAN, DAVID J., CA
[73] TIMBERWOLF CYCLES INC., CA
[86] (3000072)
[87] (3000072)
[22] 2018-03-29
[30] US (62/479,618) 2017-03-31

[11] **3,000,672**
[13] C
[51] **Int.Cl. A61F 11/08 (2006.01) A61F 11/06 (2006.01) A61F 11/12 (2006.01) H04R 1/10 (2006.01)**
[25] EN
[54] **DEVICE FOR PROTECTING THE HUMAN SENSORY HEARING SYSTEM WHILE RETAINING QUALITY SOUND**
[54] **DISPOSITIF POUR PROTEGER LE SYSTEME AUDITIF SENSORIEL HUMAIN SANS ALTERER LA QUALITE DU SON**
[72] RAGONETTI, PETER T., US
[72] MADRAMOTOO, RON ANDRE, US
[72] ACETI, JOHN G., US
[72] STAAB, WAYNE J., US
[73] EAROS, INC., US
[85] 2018-03-29
[86] 2016-09-30 (PCT/US2016/054974)
[87] (WO2017/059346)
[30] US (62/284,496) 2015-10-02

[11] **3,001,613**
[13] C
[51] **Int.Cl. A61K 31/436 (2006.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS OF PREPARING T CELLS FOR T CELL THERAPY**
[54] **METHODES DE PREPARATION DE LYMPHOCYTES T POUR TRAITEMENT PAR LYMPHOCYTES T**
[72] PEREZ, ARIANNE, US
[72] SABATINO, MARIANNA, US
[72] ROSENBERG, STEVEN A., US
[72] RESTIFO, NICHOLAS P., US
[73] KITE PHARMA, INC., US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2018-04-10
[86] 2016-10-20 (PCT/US2016/057983)
[87] (WO2017/070395)
[30] US (62/244,036) 2015-10-20

[11] **3,002,113**
[13] C
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/4166 (2006.01) A61K 31/4178 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **AQUEOUS COMPOSITION COMPRISING DANTROLENE**
[54] **COMPOSITION AQUEUSE COMPRENANT DU DANTROLENE**
[72] SCHWEBEL, HERVE JEAN, FR
[72] ADAMO, VINCENT, CH
[73] SPEPHARM AG, CH
[85] 2018-04-16
[86] 2016-10-19 (PCT/EP2016/075086)
[87] (WO2017/067980)
[30] EP (15190601.3) 2015-10-20
[30] EP (16174999.9) 2016-06-17

[11] **3,002,362**
[13] C
[51] **Int.Cl. A01K 1/015 (2006.01)**
[25] EN
[54] **LOW DENSITY PET LITTERS AND METHODS OF MAKING AND USING SUCH PET LITTERS**
[54] **LITIERES BASSE DENSITE POUR ANIMAUX DE COMPAGNIE ET PROCEDES DE FABRICATION ET D'UTILISATION DESDITES LITIERES POUR ANIMAUX DE COMPAGNIE**
[72] HUCK, NATHAN FOSTER, US
[72] MUSCROFT, COLIN, US
[72] LEINART, DAVID ODELL, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-04-17
[86] 2016-10-20 (PCT/IB2016/095006)
[87] (WO2017/068562)
[30] US (62/245,349) 2015-10-23

[11] **3,003,343**
[13] C
[51] **Int.Cl. A61K 39/002 (2006.01) C07K 14/435 (2006.01) C07K 14/44 (2006.01)**
[25] EN
[54] **NEOSPORA VACCINE COMPOSITION**
[54] **COMPOSITION VACCINALE CONTRE NEOSOPORA**
[72] REGIDOR CERRILLO, JAVIER, ES
[72] ARRANZ SOLIS, DAVID, ES
[72] COLLANTES FERNANDEZ, ESTHER, ES
[72] ALVAREZ GARCIA, GEMA, ES
[72] ORTEGA MORA, LUIS MIGUEL, ES
[73] UNIVERSIDAD COMPLUTENSE DE MADRID, ES
[85] 2018-04-26
[86] 2016-10-28 (PCT/EP2016/076137)
[87] (WO2017/072325)
[30] EP (15382532.8) 2015-10-28

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[13] C
[51] **Int.Cl. B01J 20/04 (2006.01) B01J 20/06 (2006.01) B01J 20/20 (2006.01) B01J 20/28 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **COMPOSITION FOR IMMOBILISING METAL IONS**
[54] **COMPOSITION POUR IMMOBILISER DES IONS METALLIQUES**
[72] KIRCHNER, OTTO, DE
[73] FRANKISCHE ROHRWERKE GEBR. KIRCHNER GMBH & CO. KG, DE
[85] 2018-04-27
[86] 2016-10-28 (PCT/EP2016/076082)
[87] (WO2017/072302)
[30] DE (10 2015 221 206.8) 2015-10-29

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[13] C
[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **OCULAR IMPLANT CONTAINER**
[54] **CONTENANT POUR IMPLANT OCULAIRE**
[72] SCHALLER, MICHAEL PAUL, US
[72] LARI, DAVID REZA, US
[72] CLAUSON, LUKE WILLIAM, US
[73] ALCON INC., US
[85] 2018-05-11
[86] 2016-09-16 (PCT/IB2016/001422)
[87] (WO2017/051247)
[30] US (62/221,918) 2015-09-22

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[13] C
[51] **Int.Cl. F16D 65/097 (2006.01) F16D 55/225 (2006.01) F16D 55/226 (2006.01) F16D 55/2265 (2006.01) F16D 55/227 (2006.01) F16D 65/092 (2006.01)**
[25] EN
[54] **DISC BRAKE AND SET OF BRAKE PADS**
[54] **FREIN A DISQUE ET JEU DE PLAQUETTES DE FREIN**
[72] SCHOENAUER, MANFRED, US
[72] PAHLE, WOLFGANG, US
[72] BARTEL, MARKUS, US
[72] FISCHL, TOBIAS, US
[72] BAUMGARTNER, JOHANN, US
[72] PETSCHKE, ANDREAS, US
[72] LANTZ, RICHARD L., US
[72] TEKESKY, ROBERT S., US
[72] BOHMANN, MARKUS, US
[73] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[73] BENDIX SPICER FOUNDATION BRAKE LLC, US
[85] 2018-05-11
[86] 2016-11-09 (PCT/US2016/061124)
[87] (WO2017/083377)
[30] US (14/939,748) 2015-11-12

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[13] C
[51] **Int.Cl. B02C 17/18 (2006.01)**
[25] EN
[54] **PULP LIFTER**
[54] **DISPOSITIF DE LEVAGE DE PATE A PAPIER**
[72] LATCHIREDDI, SANJEEVA, US
[72] LATCHIREDDI, SEETHAPATHI RAO, US
[73] EEMS HOLDING LLC, US
[85] 2018-05-15
[86] 2016-11-22 (PCT/US2016/063432)
[87] (WO2017/087992)
[30] US (62/258,465) 2015-11-22

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[13] C
[51] **Int.Cl. C07C 67/293 (2006.01) C07C 6/04 (2006.01) C07C 69/533 (2006.01)**
[25] EN
[54] **PRODUCTION OF FATTY OLEFIN DERIVATIVES VIA OLEFIN METATHESIS**
[54] **PRODUCTION DE DERIVES D'OLEFINES GRAS PAR L'INTERMEDIAIRE D'UNE METATHESE D'OLEFINES**
[72] MEHDI, HASAN, CH
[72] WAMPLER, KEITH M., US
[72] MEINHOLD, PETER, US
[72] COELHO, PEDRO, US
[72] BUI, VU, US
[73] PROVIVI, INC., US
[85] 2018-05-14
[86] 2016-11-17 (PCT/US2016/062595)
[87] (WO2017/087710)
[30] US (62/257,148) 2015-11-18

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[54] **INOSITOL DERIVATIVES FOR USE IN PATHOLOGICAL CRYSTALLIZATION**
[54] **DERIVES D'INOSITOL A UTILISER DANS LA CRISTALLISATION PATHOLOGIQUE**
[72] IVARSSON, MATTIAS, CH
[72] CASTAGNER, BASTIEN, CA
[72] LEROUX, JEAN-CHRISTOPHE, CH
[72] PASCH, ANDREAS, CH
[73] ETH ZURICH, CH
[73] UNIVERSITAT BERN, CH
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[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **CONTROLLING REFRIGERANT COMPRESSION POWER IN A NATURAL GAS LIQUEFACTION PROCESS**
[54] **REGULATION DE LA PUISSANCE DE COMPRESSION DE FLUIDE FRIGORIGENE DANS UN PROCEDE DE LIQUEFACTION DE GAZ NATUREL**
[72] SPAANDER, ADRIAAN, NL
[72] NURANI RAMACHANDRAN, SRINIVAS, IN
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-05-29
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[25] EN
[54] **AIR FRESHENER FOR VEHICLES**
[54] **ASSAINISSEUR D'AIR POUR VEHICULES**
[72] DEFLORIAN, STEFANO, IT
[72] SORDO, WALTER, IT
[73] ZOBELE HOLDING S.P.A., IT
[85] 2018-06-01
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[51] **Int.Cl. F03D 80/40 (2016.01) F03D 17/00 (2016.01)**
[25] EN
[54] **METHOD FOR DETERMINING A VALUE OF AN ICE BUILDUP QUANTITY ON AT LEAST ONE ROTOR BLADE OF A WIND TURBINE, AND USE THEREOF**
[54] **METHODE DE DETERMINATION D'UNE VALEUR D'UNE QUANTITE D'ACCUMULATION DE GLACE SUR AU MOINS UNE PALE DE ROTOR D'UNE EOLIENNE, ET UTILISATION ASSOCIEE**
[72] MULLER, MATHIAS, DE
[72] SCHAUSS, THOMAS, DE
[72] RIEGER, FLORIAN, DE
[73] VC VIII POLYTECH HOLDING APS, DK
[85] 2018-06-04
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[25] EN
[54] **METHOD FOR RECOVERING OIL AND VISCOSIFYING POLYMERS IN POLYMER-FLOOD PRODUCED WATER**
[54] **PROCEDE DE RECUPERATION DE PETROLE ET DE POLYMERES AMELIORANT L'INDICE DE VISCOSITE DANS DE L'EAU DE PRODUCTION ISSUE DE L'INJECTION DE POLYMERES**
[72] SUTTON-SHARP, EMILIE, FR
[73] SUEZ GROUPE, FR
[85] 2018-06-06
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[25] EN
[54] **CALCIUM ENRICHED SEAFOOD PRODUCT**
[54] **PRODUIT ALIMENTAIRE MARIN ENRICHI EN CALCIUM**
[72] KASEMSUWAN, TUNYAWAT, TH
[72] BOONTIANG, SUPAPORN, TH
[73] THAI UNION GROUP PUBLIC COMPANY LIMITED, TH
[85] 2018-06-07
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[25] EN
[54] **LIGHTING FIXTURE WITH REPLACEABLE LIGHT ENGINE**
[54] **LUMINAIRE COMPRENANT UN MOTEUR DE LUMIERE REMPLACABLE**
[72] GERMAIN, STEVE, CA
[72] WAN FONG, DAVID, CA
[72] WAHEED, YASEEN AHMED, CA
[72] BUGENSKE, MATTHEW A., US
[72] KHAN, MAJID, CA
[72] RIOUX, JUSTIN, CA
[73] CURRENT LIGHTING SOLUTIONS, LLC, US
[85] 2018-06-07
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[25] EN
[54] **CUTTING TOOL HOLDER WITH VIBRATION DAMPING WEIGHT ASSEMBLY**
[54] **SUPPORT D'OUTIL DE COUPE AVEC ENSEMBLE POIDS D'AMORTISSEMENT DE VIBRATIONS**
[72] HECHT, GIL, IL
[72] ZAGAGY, OFIR, IL
[72] MEN, ILYA, IL
[72] SAFFOURI, JONY, IL
[73] ISCAR LTD., IL
[85] 2018-06-14
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[25] EN
[54] **POLYCONDENSATE BASED WATER-REDUCER**
[54] **REDUCTEUR D'EAU A BASE DE POLYCONDENSAT**
[72] KRAUS, ALEXANDER, DE
[72] KUEHN, ANNEMARIE, DE
[72] KUENZNER, STEFANIE, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2018-06-15
[86] 2016-12-16 (PCT/EP2016/081590)
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[25] EN
[54] **DRUG RELEASE DEVICE AND USE**
[54] **DISPOSITIF DE LIBERATION DE MEDICAMENT ET UTILISATION**
[72] SIMPSON, GRAHAM, AU
[72] LOGAN, PAUL, AU
[72] GRAHAM, JANEASE, AU
[72] RANASINGHE, RANE, AU
[73] ZOETIS SERVICES LLC, US
[85] 2018-06-26
[86] 2017-01-04 (PCT/AU2017/050005)
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[51] **Int.Cl. H01Q 1/02 (2006.01) H01Q 21/00 (2006.01) H01Q 23/00 (2006.01)**
[25] EN
[54] **A LOW THERMAL IMPEDANCE STRUCTURE IN A PHASED ARRAY**
[54] **STRUCTURE A FAIBLE IMPEDANCE THERMIQUE DANS UNE ANTENNE RESEAU A COMMANDE DE PHASE**
[72] EMERICK, JAMES, US
[72] HONEYCUTT, ROBERT M., US
[72] OCENASEK, JOSEF, US
[73] NEC ADVANCED NETWORKS, INC., US
[85] 2018-06-26
[86] 2016-12-29 (PCT/US2016/069135)
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[51] **Int.Cl. B67D 1/04 (2006.01) A47J 31/46 (2006.01) B65D 77/06 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **SELF-PRESSURIZED CONCENTRATE SOURCE FOR POST-MIX EQUIPMENT**
[54] **SOURCE DE CONCENTRE AUTO-PRESSURISEE POUR EQUIPEMENT A MELANGE POSTERIEUR**
[72] NACHAWATI, MAHER, US
[72] RODRIGUEZ, MAXIMILIANO, US
[73] PEPSICO, INC., US
[85] 2018-06-27
[86] 2017-01-04 (PCT/US2017/012159)
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[25] EN
[54] **TERMINAL SCHEDULING METHOD IN SATELLITE COMMUNICATION SYSTEM**
[54] **PROCEDE DE PROGRAMMATION DE TERMINAL DANS UN SYSTEME DE COMMUNICATION PAR SATELLITE**
[72] HALEY, DAVID VICTOR LAWRIE, AU
[72] GRANT, ALEXANDER JAMES, AU
[73] MYRIOTA PTY LTD, AU
[85] 2018-07-04
[86] 2017-02-24 (PCT/AU2017/000058)
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[54] **CURRENT LIMITED CIRCUITS**
[54] **CIRCUITS A COURANT LIMITE**
[72] JENSEN, JONATHAN, US
[73] SNAPRAYS, LLC, DBA SNAPPOWER, US
[85] 2018-07-04
[86] 2017-01-18 (PCT/US2017/014000)
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[25] EN
[54] **ANTENNA MAPPING AND DIVERSITY**
[54] **MAPPAGE D'ANTENNES ET DIVERSITE**
[72] NARDOZZA, GREGG S., US
[73] NEC ADVANCED NETWORKS, INC., US
[85] 2018-07-05
[86] 2017-01-06 (PCT/US2017/012428)
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[30] US (62/276,311) 2016-01-08

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[25] EN
[54] **DUST AND ANTICAKING RESISTANT FERTILIZER**
[54] **ENGRAIS RESISTANT A L'AGGLUTINATION ET A LA POUSSIERE**
[72] OGZEWALLA, MARK B., US
[72] CARLINI, ARCHIMEDO MARIO, JR., US
[72] BARNAT, JAMES J., US
[73] ARR-MAZ PRODUCTS, L.P., US
[85] 2018-07-09
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[87] (WO2017/123762)
[30] US (62/279,289) 2016-01-15
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[51] **Int.Cl. G10F 1/08 (2006.01) G10G 3/04 (2006.01)**
[25] EN
[54] **DEVICE CONFIGURATIONS AND METHODS FOR GENERATING DRUM PATTERNS**
[54] **CONFIGURATIONS DE DISPOSITIFS ET METHODES DE GENERATION DE BATTEMENTS DE TAMBOUR**
[72] LUPINI, PETER R., CA
[72] RUTLEDGE, GLEN A., US
[72] CAMPBELL, NORM, CA
[72] GODLOVITCH, DANIEL, US
[73] COR-TEK CORPORATION, KR
[86] (3010936)
[87] (3010936)
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[13] C
[51] **Int.Cl. G01R 31/62 (2020.01) H02H 3/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING TURN-TO-TURN FAULTS IN WINDINGS**
[54] **SYSTEMES ET PROCEDES POUR DETECTER DES DEFAUTS ENTRE SPIRES DANS DES ENROULEMENTS**
[72] ZHANG, ZHIYING, CA
[72] DAS, SARASIJ, CA
[72] SIDHU, TARLOCHAN, CA
[72] DADASH ZADEH, MOHAMMAD REZA, CA
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2018-07-26
[86] 2017-02-10 (PCT/US2017/017282)
[87] (WO2017/139518)
[30] US (15/040,536) 2016-02-10

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[25] EN
[54] **SECURING MEANS FOR IN-TUBING PROBE RETAINER**
[54] **MOYEN DE FIXATION POUR DISPOSITIF DE RETENUE DE SONDE DANS UN TUBE DE PRODUCTION**
[72] STACK, LUKE ANTHONY, CA
[72] LOGAN, AARON WILLIAM, CA
[72] LOGAN, JUSTIN CHRISTOPHER, CA
[72] DERKACZ, PATRICK ROBERT, CA
[72] WEST, KURTIS KENNETH LEE, CA
[72] HARRIS, ROBERT ANDREW, CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2018-07-27
[86] 2017-01-26 (PCT/CA2017/050080)
[87] (WO2017/132754)
[30] US (62/288,129) 2016-01-28

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[25] EN
[54] **CONTINUOUS FLOW DRYER HAVING AT LEAST TWO SECTIONS**
[54] **SECHEUR CONTINU COMPORTANT AU MOINS DEUX SECTIONS**
[72] LATEIN, TOBIAS, DE
[72] LAXHUBER, THOMAS CHRISTIAN, DE
[73] STELA LAXHUBER GMBH, DE
[85] 2018-07-30
[86] 2017-02-01 (PCT/DE2017/100064)
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[30] DE (10 2016 101 725.6) 2016-02-01
[30] DE (10 2016 103 685.4) 2016-03-01

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[25] EN
[54] **COMPOUNDS, COMPOSITIONS AND METHODS FOR CANCER PATIENT STRATIFICATION AND CANCER TREATMENT**
[54] **COMPOSES, COMPOSITIONS ET METHODES POUR LA STRATIFICATION DE PATIENTS CANCEREUX ET LE TRAITEMENT D'UN CANCER**
[72] WENGNER, ANTJE MARGRET, DE
[72] EIS, KNUT, DE
[72] LIENAU, PHILIP, DE
[72] SACK, ULRIKE, DE
[72] LANGE, MARTIN, DE
[72] GREULICH, HEIDI, US
[72] MEYERSON, MATTHEW, US
[72] DE WAAL, LUC, US
[72] SCHENONE, MONICA, US
[72] BURGIN, ALEX, US
[72] LEWIS, TIMOTHY A., US
[72] WU, XIAOYUN, US
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[73] THE BROAD INSTITUTE, INC., US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2018-08-01
[86] 2017-02-03 (PCT/EP2017/052393)
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[30] US (62/291,935) 2016-02-05

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[25] EN
[54] **SMOKING DEVICE AND METHOD FOR AEROSOL-GENERATION**
[54] **DISPOSITIF DE TABAGISME ET PROCEDE DE GENERATION D'AEROSOL**
[72] COURBAT, JEROME CHRISTIAN, CH
[72] MIRONOV, OLEG, CH
[73] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-08-02
[86] 2017-02-28 (PCT/EP2017/054668)
[87] (WO2017/167521)
[30] EP (16162973.8) 2016-03-30

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[51] **Int.Cl. H02K 1/14 (2006.01) H02K 3/52 (2006.01) H02K 5/00 (2006.01) H02K 5/173 (2006.01)**
[25] EN
[54] **EXTRACTION-PREVENTING PROTRUSIONS FOR SECURING WINDINGS AND ASSOCIATED LAMINATED POLES TO A STATOR FRAME OF AN ELECTRIC MOTOR**
[54] **SAILLIES EMPECHANT L'EXTRACTION POUR FIXER DES ENROULEMENTS ET DES POLES FEUILLETES CONNEXES SUR UNE CARCASSE DE STATOR D'UN MOTEUR ELECTRIQUE**
[72] RANALLI, ANTONIO, IT
[72] MAZZIERI, PAOLO, IT
[73] SIT S.P.A., IT
[85] 2018-08-06
[86] 2017-02-21 (PCT/EP2017/053936)
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[30] IT (102016000017691) 2016-02-22

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[51] **Int.Cl. B29C 63/06 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR INSTALLING A COATING SHEET OVER WELDED END SECTIONS OF PIPELINE**
[54] **MACHINE ET PROCEDE POUR L'INSTALLATION D'UNE FEUILLE DE REVETEMENT SUR DES SECTIONS D'EXTREMITE SOUDEES D'UN PIPELINE**
[72] COTTRELL, TERENCE, GB
[72] HALLEZ, LOUIS-NICOLAS, GB
[72] OWEN, GARETH, GB
[72] STRIBLEY, ANDREW, GB
[73] SERIMAX HOLDINGS, FR
[85] 2018-08-07
[86] 2017-02-09 (PCT/EP2017/052817)
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[30] EP (16155584.2) 2016-02-12

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[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING PHYSIOLOGICAL STATE**
[54] **SYSTEME ET PROCEDE DE DETECTION D'ETAT PHYSIOLOGIQUE**
[72] ZHENG, PU, CA
[72] LEE, KANG, CA
[73] NURALOGIX CORPORATION, CA
[85] 2018-08-08
[86] 2017-02-17 (PCT/CA2017/050207)
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[25] EN
[54] **TOOL FOR FUSING OUTLET FITTINGS IN A PLASTIC PIPE AND METHOD OF USING THE TOOL**
[54] **OUTIL DE FUSION D'UN RACCORD DE SORTIE DANS UN TUYAU EN PLASTIQUE ET PROCEDE D'UTILISATION DE L'OUTIL**
[72] TRITT, MICHAEL, US
[72] ABBOTT, ERIC, US
[73] MCELROY MANUFACTURING, INC., US
[85] 2018-08-08
[86] 2017-01-27 (PCT/US2017/015319)
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[30] US (15/040,828) 2016-02-10

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[51] **Int.Cl. A01K 27/00 (2006.01)**
[25] EN
[54] **INTERLINKING COLLAR COMPONENTS AND COLLAR DEVICES INCLUDING THE SAME**
[54] **COMPOSANTES DE COLLIER D'INTERLIAISON ET DISPOSITIFS DE COLLIER COMPORTANT LESDITES COMPOSANTES**
[72] BENJAMIN, NATHANAEL, US
[73] BENJAMIN, NATHANAEL, US
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[87] (3014126)
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[30] US (62/544,513) 2017-08-11

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[51] **Int.Cl. G02B 26/08 (2006.01) B23K 26/044 (2014.01) B23K 26/064 (2014.01) B23K 26/06 (2014.01) B23K 26/067 (2006.01) B23K 26/08 (2014.01)**
[25] EN
[54] **LASER CUTTING HEAD WITH DUAL MOVABLE MIRRORS PROVIDING BEAM ALIGNMENT AND/OR WOBBLING MOVEMENT**
[54] **TETE DE DECOUPE PAR LASER AYANT DEUX MIROIRS MOBILES PRODUISANT UN ALIGNEMENT DE FAISCEAU ET/OU UN MOUVEMENT D'OSCILLATION**
[72] GRAPOV, YURI, US
[72] PRUYN, KRIS, US
[72] STUKALIN, FELIX, US
[72] HINRICHSEN, ERIK, US
[73] IPG PHOTONICS CORPORATION, US
[85] 2018-08-09
[86] 2017-02-13 (PCT/US2017/017677)
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[30] US (62/294,744) 2016-02-12

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[51] **Int.Cl. H02J 1/00 (2006.01)**
[25] EN
[54] **FUEL CELL POWER PLANT WITH REAL AND REACTIVE POWER MODES**
[54] **CENTRALE A PILES A COMBUSTIBLE A MODES DE PUISSANCE REELLE ET REACTIVE**
[72] PHILHOWER, JASON W., US
[73] DOOSAN FUEL CELL AMERICA, INC., US
[85] 2018-08-13
[86] 2017-02-21 (PCT/US2017/018617)
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[30] US (15/060,944) 2016-03-04

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[51] **Int.Cl. A01H 5/06 (2018.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **POWDERY MILDEW RESISTANCE GENES IN CARROT**
[54] **GENES DE RESISTANCE A L'OIDIUM CHEZ LA CAROTTE**
[72] HAARSMA, ADRIANA DORIEN, NL
[72] ZWAAN, WILLEM ARIE, NL
[72] NIJKAMP, JURGEN FRANCISCUS, NL
[72] WIJNKER, JACOBUS PETRUS MARTINUS, NL
[72] DEKKER, PETER ARNOLDUS, NL
[72] KROON, LAURENTIUS PETRUS NICOLAAS MARTINUS, NL
[72] SCHRIJVER, ALBERTUS JOHANNES MARIA, NL
[73] BEJO ZADEN B.V., NL
[85] 2018-08-14
[86] 2016-02-22 (PCT/EP2016/053667)
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[25] EN
[54] **PROCESS FOR PREPARING HIGH-REACTIVITY ISOBUTENE HOMO- OR COPOLYMERS**
[54] **PROCEDE DE PREPARATION D'HOMOPOLYMERES OU DE COPOLYMERES D'ISOBUTENE HAUTEMENT REACTIFS**
[72] CORBERAN ROC, ROSA, DE
[72] MUEHLBACH, KLAUS, DE
[72] WETTLING, THOMAS, DE
[72] KOSTJUK, SERGEI V., BY
[72] VASILENKO, IRINA, BY
[72] SHIMAN, DMITRYI, BY
[73] BASF SE, DE
[85] 2018-08-15
[86] 2017-02-13 (PCT/EP2017/053096)
[87] (WO2017/140602)
[30] EP (16155937.2) 2016-02-16

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[51] **Int.Cl. C08F 10/10 (2006.01) C08F 4/14 (2006.01) C08F 4/52 (2006.01) C08F 4/54 (2006.01) C08F 110/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING HIGH-REACTIVITY ISOBUTENE HOMO- OR COPOLYMERS**
[54] **PROCEDE DE PREPARATION DE D'HOMOPOLYMERES OU DE COPOLYMERES D'ISOBUTENE HAUTEMENT REACTIFS**
[72] CORBERAN ROC, ROSA, DE
[72] MUEHLBACH, KLAUS, DE
[72] WETTLING, THOMAS, DE
[72] KOSTJUK, SERGEI V., BY
[72] VASILENKO, IRINA, BY
[72] SHIMAN, DMITRYI, BY
[73] BASF SE, DE
[85] 2018-08-15
[86] 2017-02-13 (PCT/EP2017/053098)
[87] (WO2017/140603)
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[51] **Int.Cl. A61K 9/14 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF TOLERIZING IMMUNE-MODULATING PARTICLES**
[54] **PROCEDE DE PREPARATION DE PARTICULES IMMUNOMODULATRICES INDUISANT UNE TOLERANCE**
[72] GETTS, DANIEL R., US
[72] FOKTA, FRANK, US
[72] PEARSON, RYAN, US
[73] COUR PHARMACEUTICALS DEVELOPMENT COMPANY, INC., US
[85] 2018-08-17
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[30] US (62/296,840) 2016-02-18

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[51] **Int.Cl. G21F 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING WASTE WATER FROM THE DECONTAMINATION OF A METAL SURFACE, WASTE WATER TREATMENT APPARATUS AND USE OF SAID WASTE WATER TREATMENT APPARATUS**
[54] **PROCEDE DE TRAITEMENT DES EFFLUENTS PROVENANT DE LA DECONTAMINATION D'UNE SURFACE METALLIQUE, DISPOSITIF DE TRAITEMENT DES EFFLUENTS ET UTILISATION DU DISPOSITIF DE TRAITEMENT DES EFFLUENTS**
[72] TOPF, CHRISTIAN, DE
[72] SEMPERE BELDA, LUIS, DE
[73] FRAMATOME GMBH, DE
[85] 2018-08-17
[86] 2017-03-01 (PCT/EP2017/054817)
[87] (WO2017/157668)
[30] DE (10 2016 104 846.1) 2016-03-16

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[25] EN
[54] **LOW-HALOGEN FLAME RETARDANT POLYAMIDE COMPOSITIONS RESISTANT TO HEAT AGING**
[54] **COMPOSITIONS DE POLYAMIDE IGNIFUGES A FAIBLE TENEUR EN HALOGENE RESISTANTES AU VIEILLISSEMENT THERMIQUE**
[72] OSBORN, SHAWN J., US
[72] CARTER, CHRISTOPHER M., US
[73] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2018-08-21
[86] 2017-10-17 (PCT/US2017/056853)
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[30] US (62/409,699) 2016-10-18

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[25] EN
[54] **STAIN AND ODOR TREATMENT**
[54] **TRAITEMENT CONTRE LES TACHES ET LES ODEURS**
[72] SMITH, CHRISTOPHER WAYNE, US
[72] MANASSRA, ADNAN RASHID, US
[73] CHEM-DRY, INC., US
[85] 2018-08-29
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[25] EN
[54] **MULTI-ZONE PROCESSING SYSTEM FOR APPLYING ELECTROMAGNETIC ENERGY**
[54] **SYSTEME DE TRAITEMENT MULTIZONE POUR L'APPLICATION D'ENERGIE ELECTROMAGNETIQUE**
[72] DRUGA, MICHAEL CONLEY, US
[72] CORONEL, PABLO MARCELO, US
[72] CHAPMAN, STEVEN LAWRENCE, US
[72] KENNER, THOMAS HENRY, US
[73] HBC HOLDING COMPANY, LLC, US
[85] 2018-08-31
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[87] (WO2017/164879)

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[54] **LOAD MODULE COMPILER**
[54] **COMPILATEUR DE MODULE DE CHARGE**
[72] JAEGER, JAN, CH
[72] GRIEVE, THOMAS D., GB
[73] LZLABS GMBH, CH
[85] 2018-09-05
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[25] EN
[54] **METHODS OF FABRICATION OF COMPOSITE REPAIR PARTS AND RELATED KITS**
[54] **PROCEDES DE FABRICATION DE PIECES DE REPARATION COMPOSITES ET NECESSAIRES ASSOCIES**
[72] STAAL, REMMELT ANDREW, US
[72] SMITH, GREGORY JONATHON, US
[72] LEWIS, ARNE KENNETH, US
[72] BERTRAND, BLAKE ANTHONY, US
[73] THE BOEING COMPANY, US
[86] (3016719)
[87] (3016719)
[22] 2018-09-06
[30] US (15/722342) 2017-10-02

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[13] C
[51] **Int.Cl. H04B 7/06 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION APPARATUS AND WIRELESS COMMUNICATION METHOD**
[54] **APPAREIL ET METHODE DE COMMUNICATION SANS FIL**
[72] IRIE, MASATAKA, JP
[72] WEE, YAO HUANG GAIUS, JP
[72] SIM, MICHAEL HONG CHENG, JP
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2018-09-07
[86] 2017-03-07 (PCT/JP2017/008879)
[87] (WO2017/154858)
[30] US (62/307281) 2016-03-11
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[13] C
[51] **Int.Cl. E04B 7/22 (2006.01) E04B 7/24 (2006.01)**
[25] EN
[54] **PREFABRICATED MODULE FOR A PITCHED ROOF ELEMENT AND PITCHED ROOF ELEMENT FOR A BUILDING ROOF**
[54] **MODULE PREFABRIQUE POUR UN ELEMENT DE TOIT INCLINE ET ELEMENT DE TOIT INCLINE POUR UN TOIT DE BATIMENT**
[72] HUSSIN, ALA, NL
[72] MULLER, STEPHEN, NL
[73] ROCKWOOL A/S, DK
[85] 2018-09-11
[86] 2017-03-15 (PCT/EP2017/056122)
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[25] EN
[54] **EMULSION-BASED LATEX AEROSOL PAINT**
[54] **PEINTURE AEROSOL EN LATEX A BASE D'EMULSION**
[72] HALSTEAD, JOSHUA, US
[73] HALSTEAD, JOSHUA, US
[73] THE SHERWIN-WILLIAMS COMPANY, US
[85] 2018-09-18
[86] 2017-03-20 (PCT/US2017/023187)
[87] (WO2017/161367)
[30] US (62/310,451) 2016-03-18
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[51] **Int.Cl. G06F 16/93 (2019.01)**
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[54] **SYSTEM AND METHOD FOR AUTOMATED RECORD CREATION AND MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE CREATION ET DE GESTION DE DOSSIERS AUTOMATISES**
[72] HOULETTE, TRAVIS, CA
[72] MURPHY, SHANE, CA
[72] HOPFNER, DEREK, CA
[73] ROYAL BANK OF CANADA, CA
[86] (3018279)
[87] (3018279)
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[51] **Int.Cl. H04W 28/18 (2009.01)**
[25] EN
[54] **SYSTEM INFORMATION TRANSMISSION METHOD, BASE STATION, AND TERMINAL**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS DE SYSTEME, STATION DE BASE ET TERMINAL**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2018-09-21
[86] 2016-05-12 (PCT/CN2016/081879)
[87] (WO2017/193338)

[11] **3,018,712**
[13] C
[51] **Int.Cl. G01R 15/04 (2006.01) G01R 15/06 (2006.01) H02G 15/18 (2006.01)**
[25] EN
[54] **ELASTIC SLEEVE FOR A POWER CONDUCTOR**
[54] **MANCHON ELASTIQUE POUR CONDUCTEUR D'ALIMENTATION**
[72] GRAVERMANN, MARK, DE
[72] STOLLWERCK, GUNTHER A.J., DE
[72] STALDER, MICHAEL H., DE
[72] LOHMEIER, GERHARD, DE
[72] SCHUBERT, BERND, DE
[72] REEKEN, RAINER, DE
[72] WEICHOLD, JENS, DE
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-09-21
[86] 2016-12-23 (PCT/US2016/068492)
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[30] EP (16161882.2) 2016-03-23

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[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
[73] PRECISION PLANTING LLC, US
[85] 2018-09-26
[86] 2017-04-18 (PCT/US2017/028187)
[87] (WO2017/184638)
[30] US (62/324,095) 2016-04-18
[30] US (62/365,824) 2016-07-22
[30] US (62/442,895) 2017-01-05

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[25] EN
[54] **SINGLE OR DUAL TECHNOLOGY ANIMAL TAGS AND SYSTEM AND METHOD OF USING THE SAME**
[54] **ETIQUETTES D'ANIMAUX DE TECHNOLOGIE SIMPLE OU DOUBLE ET SYSTEME ET LEUR PROCEDE D'UTILISATION**
[72] DELIOU, PIERRE-EMMANUEL, US
[72] LAFON, SEBASTIEN, US
[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
[85] 2018-09-27
[86] 2017-03-30 (PCT/US2017/024987)
[87] (WO2017/173065)
[30] US (62/316,204) 2016-03-31

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[51] **Int.Cl. A23L 7/10 (2016.01) A23P 20/10 (2016.01) A23P 20/20 (2016.01) A21D 13/02 (2006.01) A23G 3/34 (2006.01) A23G 3/48 (2006.01)**
[25] EN
[54] **INGREDIENT FOR FOODSTUFFS**
[54] **INGREDIENT POUR ALIMENTS**
[72] ABU-HARDAN, MADIAN OTHMAN, GB
[72] BONARIUS, GIJSBERT ADRIAAN, AU
[72] CLEMENT, PATRICK, CH
[72] MARION, SOPHIE, GB
[72] CLARK, BENEDICT TIMOTHY, GB
[72] JONES, STUART DAVID HAMER, GB
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-09-28
[86] 2017-03-31 (PCT/EP2017/057695)
[87] (WO2017/167965)
[30] EP (16163531.3) 2016-04-01

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[13] C
[51] **Int.Cl. H04W 48/08 (2009.01)**
[25] EN
[54] **HARQ SYSTEMS AND METHODS FOR GRANT-FREE UPLINK TRANSMISSIONS**
[54] **SYSTEMES ET PROCEDES D'EXECUTION DE HARQ POUR TRANSMISSIONS DE LIAISON MONTANTE SANS OCTROI**
[72] CAO, YU, CA
[72] ZHANG, LIQING, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-10-01
[86] 2017-03-29 (PCT/CN2017/078587)
[87] (WO2017/167198)
[30] US (15/088,607) 2016-04-01
[30] US (62/416,939) 2016-11-03
[30] US (62/421,087) 2016-11-11
[30] US (62/459,949) 2017-02-16
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[51] **Int.Cl. H04W 74/04 (2009.01) H04W 52/04 (2009.01) H04W 52/14 (2009.01) H04W 52/24 (2009.01) H04W 74/00 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **TRIGGER FRAME IN WIRELESS LOCAL AREA NETWORK**
[54] **TRAME DE DECLENCHEMENT DANS UN RESEAU LOCAL SANS FIL**
[72] VERMA, LOCHAN, US
[72] VERMANI, SAMEER, US
[72] TIAN, BIN, US
[72] YANG, LIN, US
[72] BANERJEA, RAJA, US
[72] ASTERJADHI, ALFRED, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-10-02
[86] 2017-05-05 (PCT/US2017/031349)
[87] (WO2017/193028)
[30] US (62/332,990) 2016-05-06
[30] US (62/344,350) 2016-06-01
[30] US (62/361,968) 2016-07-13
[30] US (15/587,156) 2017-05-04
[30] US (15/587,135) 2017-05-04

[11] **3,019,855**
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[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **DYNAMIC CYCLIC PREFIX (CP) LENGTH IN WIRELESS COMMUNICATION**
[54] **LONGUEUR DE PREFIXE CYCLIQUE (CP) DYNAMIQUE DANS UNE COMMUNICATION SANS FIL**
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[72] JI, TINGFANG, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-10-02
[86] 2017-05-05 (PCT/US2017/031443)
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[30] US (62/334,566) 2016-05-11
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[51] **Int.Cl. G21C 7/12 (2006.01) G01R 23/00 (2006.01) G05B 19/00 (2006.01) G21C 7/18 (2006.01) G21C 7/36 (2006.01) G21C 9/00 (2006.01) H02P 8/28 (2006.01)**
[25] FR
[54] **NUCLEAR-REACTOR CONTROL-ROD DRIVE MECHANISM AND CORRESPONDING MONITORING METHOD AND NUCLEAR REACTOR**
[54] **MECANISME D'ENTRAINEMENT D'ABSORBANTS DE CONTROLE DE REACTEUR NUCLEAIRE, PROCEDE DE SURVEILLANCE ET REACTEUR NUCLEAIRE CORRESPONDANTS**
[72] MATHIEU, JEREMY, FR
[72] BRUN, MICHEL, FR
[73] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2018-10-02
[86] 2017-04-13 (PCT/EP2017/058931)
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[30] FR (1653366) 2016-04-15

[11] **3,020,534**
[13] C
[51] **Int.Cl. C09J 5/02 (2006.01) B27D 1/00 (2006.01) B32B 21/04 (2006.01) C09J 161/06 (2006.01) C09J 161/20 (2006.01) C09J 175/04 (2006.01) F26B 3/00 (2006.01) F26B 5/00 (2006.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF A WET GLUED WOOD ARTICLE**
[54] **PROCEDE DE FABRICATION D'UN ARTICLE EN BOIS COLLE PAR VOIE HUMIDE**
[72] HIRMKE, MARKUS, AT
[73] STORA ENSO OYJ, FI
[85] 2018-10-10
[86] 2017-04-12 (PCT/IB2017/052111)
[87] (WO2017/178983)
[30] SE (1650506-7) 2016-04-15

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[13] C
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/536 (2006.01)**
[25] EN
[54] **BIOMARKERS AND METHODS FOR ASSESSING RESPONSE TO INFLAMMATORY DISEASE THERAPY**
[54] **BIOMARQUEURS ET PROCEDES D'EVALUATION DE LA REPONSE A UN TRAITEMENT DE MALADIE INFLAMMATOIRE**
[72] EASTMAN, PAUL SCOTT, US
[72] MANNING, WILLIAM, US
[73] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2018-10-17
[86] 2017-04-19 (PCT/US2017/028356)
[87] (WO2017/184726)
[30] US (62/324,968) 2016-04-20

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[51] **Int.Cl. C08L 27/06 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING THE MELT STRENGTH OF AN ORIENTED POLYVINYL CHLORIDE COMPOSITION**
[54] **PROCEDE D'AMELIORATION DE LA RESISTANCE A L'ETAT FONDU D'UNE COMPOSITION DE POLY(CHLORURE DE VINYLE) ORIENTEE**
[72] PETR, MICHAEL T., US
[73] ROHM AND HAAS COMPANY, US
[85] 2018-10-18
[86] 2017-04-19 (PCT/US2017/028340)
[87] (WO2017/184714)
[30] US (62/325,040) 2016-04-20
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[51] **Int.Cl. B64D 37/32 (2006.01)**
[25] EN
[54] **ON-BOARD INERT GAS GENERATING AIR SEPARATION MODULE RECOVERY APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE RECUPERATION DE MODULE DE SEPARATION D'AIR A PRODUCTION DE GAZ INERTE EMBARQUE**
[72] AL-YAFAWI, ABDULLAH, US
[72] VESTAL, WILLIAM, US
[73] COBHAM MISSION SYSTEMS DAVENPORT LSS INC., US
[85] 2018-10-19
[86] 2017-04-07 (PCT/US2017/026543)
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[51] **Int.Cl. G06F 9/50 (2006.01) G06F 16/24 (2019.01) G06F 16/28 (2019.01) G06F 9/455 (2018.01)**
[25] EN
[54] **MULTI-CLUSTER WAREHOUSE**
[54] **ENTREPOT A GRAPPES MULTIPLES**
[72] FUNKE, FLORIAN ANDREAS, US
[72] POVINEC, PETER, US
[72] CRUANES, THIERRY, US
[72] DAGEVILLE, BENOIT, US
[73] SNOWFLAKE INC., US
[85] 2018-10-23
[86] 2017-04-28 (PCT/US2017/030207)
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[30] US (62/328,943) 2016-04-28

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[13] C
[51] **Int.Cl. B01D 19/02 (2006.01) C02F 1/20 (2006.01)**
[25] EN
[54] **METHOD FOR THE DE-AERATION OF FROTHS AND FOAMS**
[54] **PROCEDE DE DESAERATION DE MOUSSES ET D'ECUMES**
[72] WOODALL, PETER, AU
[72] SMITH, DANIEL, AU
[72] SMITH, BRENDAN SCOTT, AU
[73] GLENCORE TECHNOLOGY PTY LTD, AU
[85] 2018-10-31
[86] 2017-05-22 (PCT/AU2017/050477)
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[30] AU (2016901965) 2016-05-24

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[51] **Int.Cl. C04B 35/65 (2006.01) B22F 3/23 (2006.01)**
[25] EN
[54] **METALLIC COMPOUNDS AND METALLIC MATRIX COMPOSITES MADE USING COMPRESSION ACTIVATED SYNTHESIS**
[54] **COMPOSES METALLIQUES ET COMPOSITES A MATRICE METALLIQUE FABRIQUES A L'AIDE D'UNE SYNTHESE ACTIVEE PAR COMPRESSION**
[72] HOLLOWAY, SCOTT RICHARD, CA
[72] MANLEY, RICHARD, CA
[73] PARKER LODGE HOLDINGS LLC, US
[85] 2018-11-02
[86] 2017-05-04 (PCT/CA2017/050540)
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[30] US (62/331,507) 2016-05-04

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[51] **Int.Cl. C09J 183/04 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **METHOD OF ADHERING SILICONE BASE MATERIAL TO A SUBSTRATE**
[54] **PROCEDE DE COLLAGE DE MATERIAU A BASE DE SILICONE SUR UN SUBSTRAT**
[72] DIMITROVA, TATIANA, BE
[72] GUBBELS, FREDERIC, BE
[72] DETEMMERMAN, TOMMY, BE
[72] CHAMBARD, GREGORY, BE
[73] DOW SILICONES CORPORATION, US
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[30] GB (1607955.0) 2016-05-06
[30] GB (1609077.1) 2016-05-23
[30] GB (1703484.4) 2017-03-03

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[51] **Int.Cl. G06Q 10/087 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ESTIMATING AVAILABILITY OF ADDITIONAL SALES FLOOR SPACE FOR A PRODUCT BEING BINNED**
[54] **SYSTEMES ET PROCEDES D'ESTIMATION DE DISPONIBILITE D'UN ESPACE DE SURFACE DE VENTE SUPPLEMENTAIRE POUR UN PRODUIT ENTREPOSE**
[72] JONES, NICHOLAUS A., US
[72] VASGAARD, AARON J., US
[72] TAYLOR, ROBERT J., US
[72] JONES, MATTHEW A., US
[73] WALMART APOLLO, LLC, US
[85] 2018-11-07
[86] 2017-05-09 (PCT/US2017/031706)
[87] (WO2017/196812)
[30] US (62/335,380) 2016-05-12

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[51] **Int.Cl. A61K 31/202 (2006.01) A61P 27/14 (2006.01)**
[25] EN
[54] **COMPOSITION FOR USE IN THE PROPHYLAXIS OF ALLERGIC DISEASE**
[54] **COMPOSITION DESTINEE A ETRE UTILISEE DANS LA PROPHYLAXIE DE MALADIES ALLERGIQUES**
[72] ECKHARDT, ERIK, FR
[72] NEMBRINI, CHIARA, CH
[72] JOURDAIN, LAURELINE, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-11-14
[86] 2017-03-10 (PCT/EP2017/055680)
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[30] EP (16172431.5) 2016-06-01

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[51] **Int.Cl. H01M 50/188 (2021.01) H01M 50/291 (2021.01) H01M 50/296 (2021.01) H01M 50/543 (2021.01)**
[25] EN
[54] **INTERFACE SEALING COMPONENT FOR A BATTERY COVER ASSEMBLY, AND RELATED SYSTEMS AND METHODS**
[54] **COMPOSANT D'ETANCHEITE D'INTERFACE POUR ENSEMBLE COUVERCLE DE BATTERIE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] LECLERC, JEAN-FRANCOIS, CA
[72] MATTE, FRANCOIS, CA
[73] VOLVO GROUP CANADA INC., CA
[85] 2018-11-15
[86] 2016-06-27 (PCT/CA2016/000179)
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[51] **Int.Cl. G01N 21/51 (2006.01) A61M 1/28 (2006.01) A61M 39/00 (2006.01)**
[25] EN
[54] **MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES**
[54] **SYSTEME DE TRAITEMENT MEDICAL ET PROCEDES UTILISANT UNE PLURALITE DE CONDUITES DE FLUIDES**
[72] FINCH, MATTHEW J., US
[72] HELMORE, SIMON C., US
[72] SCARPACI, JACOB W., US
[72] VANWYK, ERIC J., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[86] (3024418)
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[30] US (61/362,259) 2010-07-07

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[25] EN
[54] **LIGHTWEIGHT BRAKE SYSTEM**
[54] **SYSTEME DE FREIN DE FAIBLE POIDS**
[72] JOHNSTON, MARTIN, AU
[72] MCDOUGALL, ROBERT, AU
[73] ADVANCED BRAKING PTY LTD, AU
[85] 2018-11-19
[86] 2017-05-26 (PCT/AU2017/050496)
[87] (WO2017/201583)
[30] AU (2016901994) 2016-05-26

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[51] **Int.Cl. E21B 47/06 (2012.01) G01K 7/16 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR SENSING TEMPERATURE ALONG A WELLBORE USING SEMICONDUCTOR ELEMENTS**
[54] **APPAREILS ET PROCEDES DE DETECTION DE TEMPERATURE LE LONG D'UN PUITS DE FORAGE A L'AIDE D'ELEMENTS SEMI-CONDUCTEURS**
[72] JARVIS, LESLIE, GB
[72] ROSS, SHAUN COMPTON, GB
[73] METROL TECHNOLOGY LIMITED, GB
[85] 2018-11-20
[86] 2017-05-26 (PCT/GB2017/051523)
[87] (WO2017/203293)
[30] GB (1609291.8) 2016-05-26

[11] **3,025,172**
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[51] **Int.Cl. A23K 10/00 (2016.01) A23K 20/10 (2016.01) A23K 20/158 (2016.01) A23K 50/40 (2016.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS THAT MODULATE BACTERIA IN A COMPANION ANIMAL**
[54] **COMPOSITIONS ET PROCEDES DE MODULATION DES BACTERIES CHEZ UN ANIMAL DE COMPAGNIE**
[72] MIDDLETON, RONDO P., US
[72] ZANGHI, BRIAN M., US
[72] REZZI, SERGE ANDRE DOMINIQUE, CH
[72] HANNAH, STEVEN S., US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-11-21
[86] 2017-12-12 (PCT/IB2017/057848)
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[30] US (62/434,560) 2016-12-15

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[25] EN
[54] **HIGH CONCENTRATION IMMUNOGLOBULIN COMPOSITION FOR PHARMACEUTICAL APPLICATION**
[54] **COMPOSITION D'IMMUNOGLOBULINES HAUTEMENT CONCENTREES POUR APPLICATION PHARMACEUTIQUE**
[72] AHRER, KARIN, AT
[72] KAAR, WALTRAUD, AT
[72] ROESSL, ULRICH, AT
[73] OCTAPHARMA AG, CH
[85] 2018-12-04
[86] 2017-06-12 (PCT/EP2017/064279)
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[25] EN
[54] **MICROPARTICLES COMPRISING A SULPHUR-CONTAINING COMPOUND**
[54] **MICROPARTICULES COMPRENANT UN COMPOSE CONTENANT DU SOUFRE**
[72] O'NEIL, DEBORAH, GB
[73] NOVABIOTICS LIMITED, GB
[85] 2018-12-05
[86] 2017-06-06 (PCT/GB2017/051637)
[87] (WO2017/212249)
[30] US (62/346,969) 2016-06-07
[30] GB (1609940.0) 2016-06-07

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[13] C
[51] **Int.Cl. A61K 31/365 (2006.01) A61K 36/19 (2006.01)**
[25] EN
[54] **ANDROGRAPHOLIDE TREATS PROGRESSIVE FORMS OF MULTIPLE SCLEROSIS**
[54] **TRAITEMENT PAR ANDROGRAPHOLIDE DE FORMES PROGRESSIVES DE LA SCLEROSE EN PLAQUES**
[72] HANCKE, JUAN O., CL
[73] INNOBIOSCIENCE, LLC, US
[85] 2018-12-06
[86] 2017-06-08 (PCT/US2017/036463)
[87] (WO2017/214346)
[30] US (62/347,218) 2016-06-08

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[51] **Int.Cl. C07D 411/14 (2006.01) A61K 31/397 (2006.01) A61K 31/454 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01) C07D 411/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **COMPOUNDS CONTAINING BENZO[D][1,3]OXATHIOLE, BENZO[D][1,3]OXATHIOLE 3-OXIDE OR BENZO[D][1,3]OXATHIOLE 3,3-DIOXIDE AND METHODS/USES THEREOF AS AGONISTS OF G PROTEIN-COUPLED RECEPTOR 119**
[54] **COMPOSES CONTENANT BENZO[D][1,3]OXATHIOLE, BENZO[D][1,3]OXATHIOLE 3-OXYDE OU BENZO[D][1,3]OXATHIOLE 3,3-DIOXYDE, ET LEURS PROCEDES/UTILISATIONS COMME AGONISTES DU RECEPTEUR 119 CO UPLE A LA PROTEINE G**
[72] MANSOUR, TAREK SUHAYL, US
[72] CHAFEEV, MIKHAIL, RU
[72] YUDIN, MIKHAIL, RU
[72] GEZENTSVEY, YURY, RU
[72] NIKITIN, ALEKSANDR, RU
[73] PRAMANA PHARMACEUTICALS INC., CA
[85] 2018-12-06
[86] 2017-06-08 (PCT/CA2017/050703)
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[25] EN
[54] **COMPOSITIONS AND METHODS THAT MODULATE DIGESTIBILITY IN A COMPANION ANIMAL**
[54] **COMPOSITIONS ET METHODES DE MODULATION DE LA DIGESTIBILITE CHEZ UN ANIMAL DE COMPAGNIE**
[72] MIDDLETON, RONDO P., US
[72] ZANGHI, BRIAN M., US
[72] REZZI, SERGE ANDRE DOMINIQUE, CH
[72] HANNAH, STEVEN S., US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[51] **Int.Cl. G01S 7/32 (2006.01)**
[25] EN
[54] **IMPULSE NOISE DETECTION AND REMOVAL FOR RADAR AND COMMUNICATION SYSTEMS**
[54] **DETECTION ET SUPPRESSION DE BRUIT IMPULSIF SERVANT A DES SYSTEMES RADAR ET DE COMMUNICATION**
[72] MCKERRACHER, RICHARD, CA
[72] PONSFORD, ANTHONY M., CA
[73] RAYTHEON CANADA LIMITED, CA
[85] 2018-12-14
[86] 2017-06-13 (PCT/CA2017/050722)
[87] (WO2017/214720)
[30] US (62/349,798) 2016-06-14

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[51] **Int.Cl. B01J 13/00 (2006.01) C23F 11/14 (2006.01) F22B 37/52 (2006.01)**
[25] EN
[54] **AQUEOUS OIL-IN-WATER EMULSIONS OF ORGANIC AMINES**
[54] **EMULSIONS AQUEUSES D'HUILE DANS L'EAU D'AMINES ORGANIQUES**
[72] JASPER, JULIA, DE
[72] ZIMMER, KIRSTIN, DE
[72] DE BACHE, ANDRE, DE
[72] HATER, WOLFGANG, DE
[73] KURITA WATER INDUSTRIES LTD., JP
[85] 2018-12-20
[86] 2017-06-07 (PCT/JP2017/021095)
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[13] C
[51] **Int.Cl. B65D 81/18 (2006.01) A01N 1/02 (2006.01) A61J 3/00 (2006.01) B65B 7/02 (2006.01) B65B 51/22 (2006.01) B65D 81/20 (2006.01)**
[25] EN
[54] **CONTAINER AND SYSTEM FOR STERILE STORAGE OF FROZEN LIQUID SAMPLE**
[54] **CONTENANT ET SYSTEME POUR LE STOCKAGE STERILE D'UN ECHANTILLON LIQUIDE CONGELE**
[72] NAKATSUJI, NORIO, JP
[72] SUEMORI, HIROFUMI, JP
[72] TAKAHASHI, TSUNEO, JP
[72] KAWASE, EIHACHIRO, JP
[72] TAGUCHI, ATSUSHI, JP
[72] TOMII, RYO, JP
[73] KYOTO UNIVERSITY, JP
[73] NIPRO CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-27 (PCT/JP2017/023536)
[87] (WO2018/003786)
[30] JP (2016-127837) 2016-06-28

[11] **3,029,431**
[13] C
[51] **Int.Cl. B01J 20/02 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR FORMING STABLE, LIQUID METAL OXIDE/HYDROXIDE FORMULATIONS**
[54] **COMPOSITIONS ET PROCEDES POUR FORMER DES FORMULATIONS LIQUIDES STABLES D'OXYDE/HYDROXYDE DE METAL**
[72] SANFORD, BILL, US
[72] WALKER, BRANDON, US
[72] MALCHESKY, PAUL S., US
[72] KNAPPENBERGER, KYLE, US
[72] KISSICK, CALVIN JEFFREY, US
[72] STEWARD, ERIC, US
[73] TIMILON CORPORATION, US
[85] 2018-12-27
[86] 2017-06-30 (PCT/US2017/040231)
[87] (WO2018/009434)
[30] US (62/358,365) 2016-07-05

[11] **3,030,103**
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[51] **Int.Cl. H04L 27/26 (2006.01) H04J 99/00 (2009.01)**
[25] EN
[54] **DYNAMIC RESOURCE ALLOCATION AMONG DIFFERENT OFDM NUMEROLOGY SCHEMES**
[54] **ATTRIBUTION DYNAMIQUE DE RESSOURCES ENTRE DIFFERENTS SCHEMAS DE NUMEROLOGIE MROF**
[72] KUANG, QUAN, DE
[72] SUZUKI, HIDETOSHI, JP
[72] GOLITSCHEK EDLER VON ELBWART, ALEXANDER, DE
[72] FENG, SUJUAN, DE
[72] HORIUCHI, AYAKO, JP
[73] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2019-01-07
[86] 2017-06-19 (PCT/JP2017/022473)
[87] (WO2018/029988)
[30] EP (16184078.0) 2016-08-12

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[51] **Int.Cl. A01C 7/20 (2006.01) A01B 71/02 (2006.01) A01C 5/06 (2006.01) G01B 5/18 (2006.01)**
[25] EN
[54] **AGRICULTURAL TRENCH DEPTH SENSING SYSTEMS, METHODS, AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE DETECTION DE PROFONDEUR DE TRANCHEE AGRICOLE**
[72] SWANSON, TODD, US
[72] KOCH, DALE, US
[72] VACCARI, ADAM, US
[72] TRAVIS, DEXTER, US
[72] HARMAN, REID, US
[73] PRECISION PLANTING LLC, US
[85] 2019-01-16
[86] 2017-07-24 (PCT/US2017/043565)
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[30] US (62/365,585) 2016-07-22
[30] US (62/491,707) 2017-04-28

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[51] **Int.Cl. C07C 5/48 (2006.01) B01J 8/06 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **OXIDATIVE DEHYDROGENATION (ODH) OF ETHANE**
[54] **DESHYDROGENATION OXYDANTE (ODH) DE L'ETHANE**
[72] BOS, ALOUISIUS NICOLAAS RENEE, NL
[72] STEPHENS, RYAN MARK, US
[72] VAN ROSSUM, GUUS, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2019-01-22
[86] 2017-07-24 (PCT/EP2017/068615)
[87] (WO2018/019761)
[30] EP (16181303.5) 2016-07-26

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[51] **Int.Cl. C09K 8/528 (2006.01) C09K 8/66 (2006.01) C09K 8/68 (2006.01) C09K 8/84 (2006.01) C09K 8/88 (2006.01) C09K 8/90 (2006.01)**
[25] EN
[54] **FORMULATIONS COMPRISING RECOVERED WATER AND A VISCOSIFIER, AND ASSOCIATED METHODS**
[54] **FORMULATIONS COMPRENANT DE L'EAU RECUPEREE ET UN AGENT VISCOSIFIANT, ET PROCEDES ASSOCIES**
[72] BURKE, CHRISTOPHER GEORGE, US
[72] XIYUAN, CHEN, US
[72] WILLINGHAM, JOHN R., US
[72] YOCHAM, MATTHEW KYE, US
[72] DAWSON, JEFFREY C., US
[73] INDEPENDENCE OILFIELD CHEMICALS LLC, US
[85] 2019-01-24
[86] 2017-07-13 (PCT/GB2017/052074)
[87] (WO2018/025010)
[30] US (62/371,382) 2016-08-05

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[51] **Int.Cl. G01R 31/58 (2020.01) G01R 27/06 (2006.01) G01R 31/08 (2020.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR LOCATING DEFECTS ON AN ELECTRIC CABLE**
[54] **PROCEDE ET SYSTEME DE LOCALISATION DE DEFAUTS SUR UN CABLE ELECTRIQUE**
[72] BERRABAH, NASSIF, FR
[72] ZHANG, QINGHUA, FR
[73] ELECTRICITE DE FRANCE, FR
[73] INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE, FR
[85] 2019-01-23
[86] 2017-07-28 (PCT/EP2017/069206)
[87] (WO2018/020019)
[30] FR (1657416) 2016-07-29

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[51] **Int.Cl. H04N 21/8545 (2011.01) H04N 21/2662 (2011.01) H04N 21/4782 (2011.01) H04N 19/40 (2014.01) H04N 19/85 (2014.01) H04N 21/472 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PANORAMIC MULTIMEDIA STREAMING**
[54] **PROCEDE ET SYSTEME DE DIFFUSION EN CONTINU DE MULTIMEDIA PANORAMIQUE**
[72] MAYRAND, JEAN, CA
[73] 3649954 CANADA INC., CA
[85] 2019-01-25
[86] 2016-09-09 (PCT/CA2016/000225)
[87] (WO2017/041163)
[30] US (62/216,326) 2015-09-09
[30] US (15/259,962) 2016-09-08

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[13] C
[51] **Int.Cl. A61L 27/36 (2006.01) A61L 17/08 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **TISSUE HYBRID FOR USE IN REPAIRING, RECONSTRUCTING OR REGENERATING MUSCULOSKELETAL DEGENERATIVE PROCESSES OR INJURIES**
[54] **TISSU HYBRIDE A UTILISER DANS LA REPARATION, LA RECONSTRUCTION OU LA REGENERATION DE SUITE A DES PROCESSUS DEGENERATIFS OU BLESSURES MUSCULOSQUELETTIQUES**
[72] TOKISH, JOHN, US
[72] SHEPARD, DAVID, US
[72] DOONEY, THOMAS, US
[72] PENNINGTON, WILLIAM, US
[72] BARTZ, BRIAN, US
[72] SCHMEIDING, REINHOLD, US
[72] ANZ, ADAM, US
[72] JORDON, STEVE, US
[72] DORN, BRIAN, US
[73] ARTHREX, INC., US
[85] 2019-01-25
[86] 2017-08-23 (PCT/US2017/048115)
[87] (WO2018/039294)
[30] US (62/378,740) 2016-08-24
[30] US (62/437,983) 2016-12-22
[30] US (62/462,655) 2017-02-23

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[13] C
[51] **Int.Cl. A61B 8/06 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01)**
[25] EN
[54] **ULTRASOUND BLOOD-FLOW MONITORING**
[54] **SURVEILLANCE DU FLUX SANGUIN PAR ULTRASONS**
[72] TORP, HANS, NO
[72] HERGUM, TORBJORN, NO
[73] CIMON MEDICAL AS, NO
[85] 2019-01-28
[86] 2017-08-04 (PCT/GB2017/052309)
[87] (WO2018/025050)
[30] GB (1613530.3) 2016-08-05

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[13] C
[51] **Int.Cl. C01B 32/00 (2017.01) C01B 32/182 (2017.01)**
[25] EN
[54] **CIRCULAR FEW LAYER GRAPHENE**
[54] **MATERIAUX CIRCULAIRES A BASE DE GRAPHENE A FAIBLE NOMBRE DE COUCHES**
[72] HARDMAN, NED J., US
[72] TAYLOR, ROSCOE W., US
[72] JOHNSON, PETER L., US
[72] HANSON, ROBERT J., US
[73] MONOLITH MATERIALS, INC., US
[85] 2019-02-14
[86] 2016-09-08 (PCT/US2016/050728)
[87] (WO2017/044594)
[30] US (62/215,854) 2015-09-09

[11] **3,034,658**
[13] C
[51] **Int.Cl. E01B 9/68 (2006.01)**
[25] EN
[54] **A PAD FOR A RAILWAY RAIL FASTENING ASSEMBLY**
[54] **COUSSINET POUR ENSEMBLE DE FIXATION DE RAIL DE CHEMIN DE FER**
[72] COX, STEPHEN JOHN, GB
[72] HAMILTON, ROBERT JOHN, GB
[73] PANDROL LIMITED, GB
[85] 2019-02-22
[86] 2017-04-12 (PCT/GB2017/051015)
[87] (WO2018/060668)
[30] GB (1616608.4) 2016-09-30

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[13] C
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/405 (2006.01) A61K 31/445 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES FOR THE TREATMENT OF HEPATOCELLULAR CARCINOMA**
[54] **POLYTHERAPIES POUR LE TRAITEMENT DU CARCINOME HEPATOCELLULAIRE**
[72] SELVARAJ, ANAND, US
[72] SMITH, PETER, US
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2019-02-22
[86] 2017-08-23 (PCT/US2017/048183)
[87] (WO2018/039324)
[30] US (62/378,455) 2016-08-23

[11] **3,035,100**
[13] C
[51] **Int.Cl. G06F 16/93 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SHARING DOCUMENTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE PARTAGER DES DOCUMENTS**
[72] PATERSON, GORDON SCOTT, CA
[72] BRADLEY, MICHAEL, CA
[72] ROSENBERG, BRAD, CA
[72] KO, KA FU, CA
[73] FUTUREVAULT INC., CA
[85] 2019-02-26
[86] 2017-02-28 (PCT/CA2017/050262)
[87] (WO2018/039774)
[30] US (62/383,301) 2016-09-02

[11] **3,036,365**
[13] C
[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/135 (2016.01) A23L 33/185 (2016.01) A61P 37/08 (2006.01)**
[25] EN
[54] **FERMENTED NUTRITIONAL COMPOSITION FOR COW'S MILK PROTEIN ALLERGIC SUBJECTS**
[54] **COMPOSITION NUTRITIONNELLE FERMENTEE POUR SUJETS ALLERGIQUES AUX PROTEINES DU LAIT DE VACHE**
[72] THEVENIER, ANNE, CH
[72] SCHUH, SUSANNE, CH
[72] JOHNSON, KATJA, CH
[72] VIKAS, MARTIN KARL, CH
[72] KUSLYS, MARTINAS, CH
[72] RAN-RESSLER, RINAT RIVKA, US
[72] RADE-KUKIC, KORALJKA, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2019-03-11
[86] 2017-09-13 (PCT/EP2017/073046)
[87] (WO2018/050710)
[30] US (62/393790) 2016-09-13

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[13] C
[51] **Int.Cl. D21H 11/02 (2006.01) D21F 3/00 (2006.01) D21F 5/00 (2006.01) D21F 5/02 (2006.01) D21H 11/08 (2006.01) D21H 11/10 (2006.01)**
[25] EN
[54] **A PAPER OR PAPERBOARD PRODUCT COMPRISING AT LEAST ONE PLY CONTAINING HIGH YIELD PULP AND ITS PRODUCTION METHOD**
[54] **PRODUIT EN PAPIER OU EN CARTON COMPRENANT AU MOINS UN PLI CONTENANT UNE PATE A HAUT RENDEMENT ET SON PROCEDE DE PRODUCTION**
[72] HOGLUND, HANS, SE
[72] PETTERSSON, GUNILLA, SE
[72] NORGREN, SVEN, SE
[72] ENGSTRAND, PER, SE
[73] IPCO SWEDEN AB, SE
[85] 2019-03-11
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[72] ZHAO, CHEN, US
[73] ILLUMINA, INC., US
[85] 2019-03-21
[86] 2017-09-21 (PCT/US2017/052766)
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[54] **SYRINGE WITH CONNECTOR**
[54] **SERINGUE AVEC RACCORD**
[72] RAJAGOPAL, SAMBATH KUMAR, IN
[72] DI UBALDI, JOHN, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2019-03-21
[86] 2017-10-06 (PCT/US2017/055534)
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[25] EN
[54] **EFFICIENT BATTERY-POWERED MODULAR METER**
[54] **COMPTEUR MODULAIRE EFFICACE ALIMENTE PAR BATTERIE**
[72] ILIEV, GEORGE, US
[73] ITRON, INC., US
[85] 2019-03-22
[86] 2017-09-25 (PCT/US2017/053335)
[87] (WO2018/058075)
[30] US (62/399,799) 2016-09-26

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[25] EN
[54] **MANUFACTURE OF SNACK FOOD CHIPS**
[54] **FABRICATION DE CHIPS POUR COLLATION**
[72] BHASKAR, AJAY RAJESHWAR, US
[72] BOODEN, HELEN CHARLOTTE, GB
[72] SMITH, KATHERINE, GB
[72] VERA NUNEZ, DANIEL, GB
[72] PANKHANIA, DEPESH, GB
[72] TURNER, MICHAEL, GB
[73] FRITO-LAY TRADING COMPANY GMBH, CH
[85] 2019-04-04
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[51] **Int.Cl. B60S 3/04 (2006.01) B08B 3/04 (2006.01)**
[25] EN
[54] **A WHEEL CLEANING DEVICE AND A METHOD FOR CLEANING WHEELS**
[54] **DISPOSITIF ET PROCEDE DE NETTOYAGE DE ROUES**
[72] LINGESKOG, FREDRIK, SE
[73] LINGESKOG, FREDRIK, SE
[85] 2019-04-16
[86] 2016-10-26 (PCT/EP2016/075746)
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[25] EN
[54] **TREATMENT OF CONVERSION-COATED METAL SUBSTRATES WITH PREFORMED REACTION PRODUCTS OF CATECHOL COMPOUNDS AND FUNCTIONALIZED CO-REACTANT COMPOUNDS**
[54] **TRAITEMENT DE SUBSTRATS METALLIQUES REVETUS PAR CONVERSION AVEC DES PRODUITS DE REACTION PREFORMES DE COMPOSES DU CATECHOL ET DE COMPOSES CO-REACTIFS FONCTIONNALISES**
[72] RECTOR, LOUIS PATRICK, US
[72] VONK, DONALD ROBB, US
[73] HENKEL AG & CO. KGAA, DE
[85] 2019-04-18
[86] 2017-12-22 (PCT/US2017/068138)
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[54] **INSTRUMENT FOR SKIN STRETCHING**
[54] **INSTRUMENT POUR DILATER LA PEAU**
[72] FLEISCHMANN, WILHELM, DE
[73] BIOWIM PRODUCTS GMBH, DE
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[54] **MODULAR TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT MODULAIRE**
[72] WAFFENSMITH, JEFF, US
[73] OMNITOOL, INC., US
[86] (3044751)
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[25] EN
[54] **STENT WITH ONE-WAY SOCK VALVE**
[54] **STENT MUNI D'UNE VALVE ANTI-REFLUX EN FORME DE MANCHE**
[72] NATH, IYUNNI VENKATA SESHA SAYI, US
[73] SAINATH INTELLECTUAL PROPERTIES, LLC, US
[85] 2019-05-30
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[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC MANAGEMENT OF REFLUX DURING ENTERAL FEEDING**
[54] **SYSTEMES ET PROCEDES DE GESTION AUTOMATIQUE DE REFLUX PENDANT UNE ALIMENTATION ENTERALE**
[72] ELIA, LIRON, IL
[72] IDDAN, GAVRIEL J., IL
[73] ART HEALTHCARE LTD., IL
[85] 2019-06-06
[86] 2017-06-06 (PCT/IL2017/050634)
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[54] **ABSTRACT ENCLAVE IDENTITY**
[54] **IDENTITE D'ENCLAVE ABSTRAITE**
[72] COSTA, MANUEL, US
[73] MICROSOFT TEHCNOLOGY LICENSING, LLC, US
[85] 2019-06-07
[86] 2017-12-20 (PCT/US2017/067451)
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[54] **SIMULTANEOUS MEASUREMENT OF MULTIPLE ANALYTES OF A LIQUID ASSAY**
[54] **MESURE SIMULTANEE DE PLUSIEURS ANALYTES DANS UN DOSAGE EN MILIEU LIQUIDE**
[72] BRUNELLE, JACQUES, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2019-06-14
[86] 2017-12-12 (PCT/US2017/065737)
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[54] **WIRELESS TEMPERATURE PROBE**
[54] **SONDE DE TEMPERATURE SANS FIL**
[72] LION, MATHIEU, FR
[72] PICCHI, MATHIEU, FR
[72] LION, JONATHAN, FR
[73] MASTRAD, FR
[85] 2019-06-18
[86] 2017-12-20 (PCT/IB2017/058228)
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[51] **Int.Cl. G01R 1/20 (2006.01) G01R 19/00 (2006.01) G01R 22/06 (2006.01)**
[25] EN
[54] **MULTI-PIECE CURRENT SHUNT WITH CONDUCTIVE CHANNEL FOR UNIFORM CURRENT FLOW**
[54] **DISPOSITIF DE DERIVATION MULTI-PIECES A CANAL CONDUCTEUR PERMETTANT UNE CIRCULATION DE COURANT UNIFORME**
[72] MAKINSON, DAVID NELSON, US
[73] ITRON, INC., US
[85] 2019-06-18
[86] 2017-12-19 (PCT/US2017/067273)
[87] (WO2018/118894)
[30] US (15/386,376) 2016-12-21

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[25] EN
[54] **WING PANEL ASSEMBLY SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D'ASSEMBLAGE D'UN PANNEAU D'AILE**
[72] WELLER, DENNIS MICHAEL, US
[72] WITTENBERG, THOMAS GEE, US
[72] MARTINEZ, MANUEL TORRES, US
[73] THE BOEING COMPANY, US
[86] (3048459)
[87] (3048459)
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[30] US (16/034008) 2018-07-12

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[25] EN
[54] **APPARATUSES AND METHODS FOR PRODUCING OPTICAL EFFECT LAYERS**
[54] **APPAREIL ET METHODE DE PRODUCTION DE COUCHES A EFFET OPTIQUE**
[72] MUELLER, EDGAR, CH
[72] LOGINOV, EVGENY, CH
[72] SCHMID, MATHIEU, CH
[73] SICPA HOLDING SA, CH
[85] 2019-06-27
[86] 2018-01-17 (PCT/EP2018/051084)
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[30] EP (17153905.9) 2017-01-31

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[51] **Int.Cl. G06F 21/74 (2013.01) G06F 21/60 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **ADDRESSING A TRUSTED EXECUTION ENVIRONMENT USING SIGNING KEY**
[54] **COMMUNICATION AVEC UN ENVIRONNEMENT D'EXECUTION SECURISE AU MOYEN D'UNE CLE DE SIGNATURE**
[72] NOVAK, MARK F., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-06-28
[86] 2017-12-20 (PCT/US2017/067461)
[87] (WO2018/140170)
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[51] **Int.Cl. G01S 17/10 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT**
[54] **METHODE ET APPAREIL DE MESURE D'UNE DISTANCE OPTIQUE**
[72] BIRNBACHER, WOLFGANG, DE
[72] RUHAAK, JAN, DE
[73] MICROVISION, INC., US
[86] (3050454)
[87] (3050454)
[22] 2019-07-23
[30] EP (18184937.3) 2018-07-23

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[25] EN
[54] **MULTI-CHANNEL GROUND HEAT EXCHANGE UNIT AND GEOTHERMAL SYSTEM**
[54] **UNITE D'ECHANGE DE CHALEUR AU SOL A CANAUX MULTIPLES ET SYSTEME GEOTHERMIQUE**
[72] ESLAMI-NEJAD, PARHAM, CA
[72] OUZZANE, MOHAMED, CA
[72] GUAY, CLAUDE, CA
[72] BADACHE, MESSAOUD, CA
[73] HIS MAJESTY THE KING IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES CANADA, CA
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[86] 2018-02-09 (PCT/CA2018/050148)
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[25] EN
[54] **A COMPOSITION COMPRISING AT LEAST ONE GNRH ANTAGONIST**
[54] **COMPOSITION COMPRENANT AU MOINS UN ANTAGONISTE DE LA GNRH**
[72] LARSEN, FINN, GB
[73] ANTEV LIMITED, GB
[85] 2019-07-22
[86] 2018-01-30 (PCT/IB2018/050559)
[87] (WO2018/138703)
[30] US (62/452,096) 2017-01-30

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[51] **Int.Cl. C12N 9/88 (2006.01) C12N 15/70 (2006.01) C12P 5/00 (2006.01) C12P 9/00 (2006.01)**
[25] EN
[54] **METABOLIC ENGINEERING FOR MICROBIAL PRODUCTION OF TERPENOID PRODUCTS**
[54] **INGENIERIE METABOLIQUE POUR LA PRODUCTION MICROBIENNE DE PRODUITS TERPENOIDES**
[72] KUMARAN, AJIKUMAR PARAYIL, US
[72] LIM, RYAN, US
[72] DONALD, JASON, US
[72] TSENG, HSIEN-CHUNG, US
[72] SANTOS, CHRISTINE, US
[72] PHILIPPE, RYAN, US
[73] MANUS BIO, INC., US
[85] 2019-07-24
[86] 2018-01-26 (PCT/US2018/015527)
[87] (WO2018/140778)
[30] US (62/450,707) 2017-01-26

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[51] **Int.Cl. A61K 31/4745 (2006.01) C07D 455/06 (2006.01)**
[25] EN
[54] **METHODS FOR THE ADMINISTRATION OF CERTAIN VMAT2 INHIBITORS**
[54] **METHODES D'ADMINISTRATION DE CERTAINS INHIBITEURS DE VMAT2**
[72] BOZIGIAN, HAIG P., US
[72] O'BRIEN, CHRISTOPHER F., US
[73] NEUROCRINE BIOSCIENES, INC., US
[85] 2019-07-26
[86] 2017-10-10 (PCT/US2017/055965)
[87] (WO2018/140095)
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[51] **Int.Cl. A61K 31/473 (2006.01) C07D 455/06 (2006.01)**
[25] EN
[54] **METHODS FOR THE ADMINISTRATION OF CERTAIN VMAT2 INHIBITORS**
[54] **PROCEDES D'ADMINISTRATION DE CERTAINS INHIBITEURS DE VMAT2**
[72] BOZIGIAN, HAIG P., US
[72] O'BRIEN, CHRISTOPHER F., US
[73] NEUROCRINE BIOSCIENES, INC., US
[85] 2019-07-26
[86] 2017-10-10 (PCT/US2017/055980)
[87] (WO2018/140096)
[30] US (62/451,605) 2017-01-27

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[51] **Int.Cl. A01G 7/04 (2006.01) A01G 9/24 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CULTIVATING A CROP**
[54] **PROCEDE ET DISPOSITIF DE CULTURE DE PLANTES CULTIVEES**
[72] MEEWS, GERARDUS JOHANNES JOZEF MARIA, NL
[72] MEEUWS-ABEN, CORNELIA HENRICA PETRONELLA MARIA, NL
[72] KREUGER, MARC, NL
[72] BREUKEL, CORNELIS MARINUS GIJSBERTUS ADRIANUS MARIA, NL
[73] PRIVA HOLDING B.V., NL
[85] 2019-07-26
[86] 2018-02-06 (PCT/NL2018/050079)
[87] (WO2018/147728)
[30] NL (2018324) 2017-02-07

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[51] **Int.Cl. A61M 16/00 (2006.01)**
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[54] **A BREATHING DEVICE**
[54] **DISPOSITIF DE RESPIRATION**
[72] OTHEL-JACOBSEN, ERIK, DK
[72] JOHANSEN, ASGER, DK
[72] JOHANSEN, TROELS, DK
[73] BALANCAIR APS, DK
[85] 2019-08-09
[86] 2017-02-16 (PCT/DK2017/050043)
[87] (WO2017/140322)
[30] DK (PA 2016 70086) 2016-02-16
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[25] EN
[54] **METHOD FOR MANUFACTURING PAPER OR BOARD AND PAPER OR BOARD PRODUCT**
[54] **PROCEDE DE FABRICATION DE PAPIER OU DE CARTON ET PRODUIT DE PAPIER OU DE CARTON**
[72] LACKINGER-CSARMANN, ELISABETH, AT
[72] FALLMANN, JOHANNES, AT
[72] WAHL, ALEXANDER, AT
[72] SCHWIND, THOMAS, AT
[72] SARTORI, JURGEN, AT
[72] OKOLI, SAMUEL, AT
[73] KEMIRA OYJ, FI
[85] 2019-08-19
[86] 2018-03-26 (PCT/FI2018/050225)
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[51] **Int.Cl. G06F 21/60 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING THIRD-PARTY ACCESS OF A PROTECTED DATA RESOURCE**
[54] **SYSTEMES ET METHODES POUR CONTROLER L'ACCES DES TIERS A DES DONNEES PROTEGEES**
[72] DUNJIC, MILOS, CA
[72] TAX, DAVID SAMUEL, CA
[72] KLIEWER, GREGORY ALBERT, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (3054185)
[87] (3054185)
[22] 2019-09-05

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[13] C
[51] **Int.Cl. C08B 37/14 (2006.01) A61K 31/7024 (2006.01) A61L 33/08 (2006.01) A61P 7/02 (2006.01) C08L 5/00 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **PENTOSAN POLYSULFATE, PHARMACEUTICAL COMPOSITION, AND ANTICOAGULANT**
[54] **POLYSULFATE DE PENTOSANE, COMPOSITION PHARMACEUTIQUE ET ANTICOAGULANT**
[72] ISHIKAWA, KOTARO, JP
[72] KASHIWAMURA, TAKURO, JP
[72] KATO, TAKUYA, JP
[72] KOGA, TORU, JP
[72] ISHIKAWA, SUGURU, JP
[73] OJI HOLDINGS CORPORATION, JP
[85] 2019-08-23
[86] 2018-02-27 (PCT/JP2018/007138)
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[30] JP (2017-035916) 2017-02-28
[30] JP (2017-166559) 2017-08-31

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[25] EN
[54] **FARM IMPLEMENT WITH FOLDING AUGER**
[54] **MACHINES AGRICOLES AVEC VIS SANS FIN PLIANTE**
[72] VAN MILL, MICHAEL D., US
[72] SCHLIMGEN, RONALD J., US
[72] GERDEMAN, SHAWN W., US
[73] UNVERFERTH MANUFACTURING COMPANY, INC., US
[86] (3055048)
[87] (3055048)
[22] 2019-09-10
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[51] **Int.Cl. G02B 30/25 (2020.01) G02B 27/09 (2006.01) G02B 27/18 (2006.01) G09G 5/00 (2006.01)**
[25] EN
[54] **STEREOSCOPIC IMAGE DISPLAY APPARATUS WITH REMOTELY CONTROLLED ALIGNMENT FUNCTION AND METHOD OF DISPLAYING STEREOSCOPIC IMAGE USING THE SAME**
[54] **APPAREIL D'AFFICHAGE D'UNE IMAGE STEREOSCOPIQUE DOTE D'UNE FONCTION D'ALIGNEMENT CONTROLEE A DISTANCE ET METHODE D'AFFICHAGE D'UNE IMAGE STEREOSCOPIQUE EMPLOYANT LEDIT APPAREIL**
[72] KIM, YONG KYU, KR
[72] KIM, YOUNG SUK, KR
[72] SO, BONG JAE, KR
[73] REALD INC., US
[86] (3057219)
[87] (3057219)
[22] 2016-02-09
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[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY WITH IMPROVED COHESION**
[54] **ENSEMBLE MEMBRANE-ELECTRODE A COHESION AMELIOREE**
[72] BASHYAM, RAJESH, CA
[72] YOUNG, ALAN, CA
[73] BALLARD POWER SYSTEMS INC., CA
[85] 2019-09-30
[86] 2018-04-13 (PCT/US2018/027616)
[87] (WO2018/191693)
[30] US (62/485,325) 2017-04-13

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[25] EN
[54] **TIME-SERIES GEOCHEMISTRY IN UNCONVENTIONAL PLAYS**
[54] **GEOCHIMIE EN SERIE CHRONOLOGIQUE DANS DES THEMES PETROLIERS NON CONVENTIONNELS**
[72] MICHAEL, GERALD E., US
[72] JWEDA, JASON, US
[72] SONG, YISHU, US
[72] SUMMERFIELD, AARON K., US
[72] LIU, FAYE, US
[72] LIKANAPAISAL, PIPAT, US
[73] CONOCOPHILLIPS COMPANY, US
[85] 2019-10-28
[86] 2018-04-26 (PCT/US2018/029634)
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[30] US (62/490,180) 2017-04-26
[30] US (15/963,757) 2018-04-26

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[54] **PAGING METHOD PAGING APPARATUS AND COMPUTER READABLE STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE RADIOMESSAGERIE ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] LIU, JIANQIN, CN
[72] HE, CHUANFENG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-11-01
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[54] **A GROUND COVERING FOR OUTDOOR APPLICATION**
[54] **REVETEMENT DE SOL POUR APPLICATION D'EXTERIEUR**
[72] BROWN, GRAHAM KEVIN, AU
[73] COMBITILE PTY LTD, AU
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[86] 2017-10-20 (PCT/AU2017/051141)
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[54] **PROCESS FOR THE PREPARATION OF 3B-HYDROXY-17-(1H-BENZIMIDAZOL-1-YL)ANDROSTA-5,16-DIENE**
[54] **PROCEDE DE PREPARATION DE 3B-HYDROXY-17-(1H-BENZIMIDAZOL-1-YL) ANDROSTA -5,16-DIENE**
[72] BARBIERI, FRANCESCO, IT
[72] LENNA, ROBERTO, IT
[73] INDUSTRIALE CHIMICA S.R.L., IT
[85] 2019-10-28
[86] 2017-08-08 (PCT/EP2017/070124)
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[30] IT (102016000083406) 2016-08-08
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[25] EN
[54] **METHOD OF PRODUCING A GYPSUM SLURRY FOR FORMING GYPSUM PRODUCTS AND METHOD OF MANUFACTURING A GYPSUM PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UNE PATE DE PLATRE POUR FORMER DES PRODUITS DE PLATRE ET PROCEDE DE FABRICATION D'UN PRODUIT DE PLATRE**
[72] HALBACH, MARTIN, DE
[72] LIU, TONG, CN
[73] KNAUF GIPS KG, DE
[85] 2019-11-20
[86] 2017-06-29 (PCT/EP2017/000772)
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[25] EN
[54] **PIN JOINT TRAILER SHIM SYSTEM**
[54] **SYSTEME DE CALE DE REMORQUE ARTICULE**
[72] HWANG, HYUNJIN, CA
[72] BURKE, BRETT, CA
[72] STRELIC, RAYMOND, CA
[73] BRANDT INDUSTRIES INC., CA
[86] (3065014)
[87] (3065014)
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[25] EN
[54] **FIRE PIT-STORABLE PANEL SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE PANNEAUX RANGES DANS LE FOYER**
[72] ZEMEL, MARC, US
[72] RUDIS, JOANNE, US
[73] MR. BAR-B-Q PRODUCTS LLC, US
[86] (3065476)
[87] (3065476)
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[54] **ADJUSTABLE BUNGEE FASTENER**
[54] **ELEMENT DE FIXATION TENDEUR REGLABLE**
[72] ROMERO, OSCAR, US
[73] ASSA ABLOY AMERICAS RESIDENTIAL INC., US
[85] 2019-11-28
[86] 2018-06-05 (PCT/US2018/036110)
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[54] **AUTONOMOUS CONNECTION MAKEUP AND EVALUATION**
[54] **REALISATION ET EVALUATION DE RACCORD AUTOMATIQUE**
[72] HELMS, MARTIN, DE
[72] HEIDECKE, KARSTEN, DE
[72] RUEHMANN, RAINER, DE
[72] THIEMANN, BJOERN, DE
[72] WIEDECKE, MICHAEL, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3065596)
[87] (3065596)
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[25] EN
[54] **SYSTEMS AND METHODS FOR DISPLAYING AND INTERACTING WITH A DYNAMIC REAL-WORLD ENVIRONMENT**
[54] **SYSTEMES ET PROCEDES D'AFFICHAGE ET D'INTERACTION AVEC UN ENVIRONNEMENT DE MONDE REEL DYNAMIQUE**
[72] CLEMENT, RONALD DALE, US
[72] CLEMENT, ELAINE TERESE, US
[73] NEARME AR, LLC, US
[85] 2019-11-29
[86] 2018-01-22 (PCT/US2018/014644)
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[25] EN
[54] **NUT BUTTER COMPOSITION**
[54] **COMPOSITION DE BEURRE DE NOIX**
[72] MARTINEZ, ALEXANDRA, US
[72] RYKS, EMILY, US
[72] GORDON, CHRIS, US
[72] MACHADO, CYNTHIA MARCELA, US
[73] GENERAL MILLS, INC., US
[85] 2019-12-17
[86] 2017-06-21 (PCT/US2017/038445)
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[54] **AN OPTICAL FIBER RIBBON AND A METHOD OF PRODUCING THE SAME**
[54] **RUBAN DE FIBRES OPTIQUES ET SON PROCEDE DE PRODUCTION**
[72] FALLAHMOHAMMADI, EHSAN, IT
[72] SACH, JOHN R., IT
[72] PARRIS, DONALD RAY, IT
[72] WELLS, BEN H., IT
[73] PRYSMIAN S.P.A., IT
[85] 2019-12-18
[86] 2017-07-11 (PCT/EP2017/067454)
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[25] EN
[54] **METHOD OF MANUFACTURING COLLAGEN FOR USE IN RESTORING CARTILAGE TISSUE**
[54] **METHODE DE PRODUCTION DE COLLAGENE A UTILISER DANS LE RETABLISSEMENT DU TISSU DE CARTILAGE**
[72] LEE, JOON HO, KR
[72] YOO, JI CHUL, KR
[72] SUH, DONG SAM, KR
[72] CHANG, CHEONG HO, KR
[73] CELLONTECH CO., LTD., KR
[85] 2019-12-18
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[25] EN
[54] **HYBRID DRIVE TRANSMISSION UNIT AND METHOD FOR OPERATING A VEHICLE WITH A HYBRID DRIVE**
[54] **ENSEMBLE BOITE DE VITESSES DE MOTORISATION HYBRIDE ET PROCEDE POUR FAIRE FONCTIONNER UN VEHICULE A MOTORISATION HYBRIDE**
[72] JUNG, THOMAS, DE
[72] KOBLER, SEBASTIAN, DE
[72] HOESS, BERNHARD, DE
[73] BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT, DE
[85] 2019-12-20
[86] 2018-07-16 (PCT/EP2018/069203)
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[30] DE (10 2017 214 396.7) 2017-08-18

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[25] EN
[54] **VISUAL ELECTROLYTIC CORROSION INDICATION AND PREVENTION APPARATUS**
[54] **APPAREIL D'INDICATION ET DE PREVENTION DE CORROSION ELECTROLYTIQUE VISUELLE**
[72] ZIFFERER, SCOTT COLEMAN, US
[73] PACKLESS INDUSTRIES, US
[85] 2020-01-02
[86] 2018-07-05 (PCT/US2018/040955)
[87] (WO2019/010333)
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[25] EN
[54] **IMAGE PROCESSING METHOD, TERMINAL, AND SERVER**
[54] **PROCEDE, TERMINAL, ET SERVEUR DE TRAITEMENT D'IMAGE**
[72] SONG, YI, CN
[72] XIE, QINGPENG, CN
[72] DI, PEIYUN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-01-06
[86] 2018-03-29 (PCT/CN2018/081177)
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[54] **SYSTEM AND METHOD FOR HANDLING TERRAIN IN DETECT AND AVOID**
[54] **SYSTEME ET PROCEDE DE MANIABILITE SUR TERRAIN POUR DETECTER ET EVITER**
[72] ESTKOWSKI, REGINA INEZ, US
[73] THE BOEING COMPANY, US
[86] (3069370)
[87] (3069370)
[22] 2020-01-22
[30] US (16/387741) 2019-04-18

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[13] C
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[25] EN
[54] **ANKLE FOOT ORTHOSIS**
[54] **ORTHESE DE LA CHEVILLE ET DU PIED**
[72] COTE, FRANCOIS, CA
[73] ORTHESES TURBOMED INC. / TURBOMED ORTHOTICS INC., CA
[85] 2020-01-16
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[25] EN
[54] **METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT**
[54] **PROCEDE ET DISPOSITIF DE MESURE OPTIQUE DE DISTANCE**
[72] PUSKUL, OZGUR, DE
[73] MICROVISION, INC., US
[85] 2020-02-04
[86] 2019-01-24 (PCT/EP2019/051745)
[87] (WO2019/145417)
[30] EP (18153465.2) 2018-01-25

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[51] **Int.Cl. H02P 27/04 (2016.01) E21B 43/26 (2006.01) F01D 13/00 (2006.01) F01D 15/10 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **ELECTRIC DRIVEN HYDRAULIC FRACKING SYSTEM**
[54] **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
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3072669)
[87] (3072669)
[22] 2020-02-14
[30] US (62/805,521) 2019-02-14
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[25] EN
[54] **SPOUT ASSEMBLY FOR TREE SAP COLLECTION AND ASSOCIATED METHOD OF USE**
[54] **ASSEMBLAGE DE BEC POUR LA COLLECTE DE SEVE ET METHODE D'UTILISATION CONNEXE**
[72] LESSARD, STEEVE, CA
[72] GAULIN, ROCK, CA
[73] H20 INNOVATION INC., CA
[86] (3073082)
[87] (3073082)
[22] 2020-02-19

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[51] **Int.Cl. H01M 4/134 (2010.01) H01M 4/1395 (2010.01) H01M 10/052 (2010.01)**
[25] FR
[54] **ELECTRODE MATERIALS IN THE FORM OF LITHIUM-BASED ALLOY AND METHODS FOR MANUFACTURING SAME**
[54] **MATERIAUX D'ELECTRODE SOUS FORME D'ALLIAGE A BASE DE LITHIUM ET LEURS PROCEDES DE FABRICATION**
[72] ZAGHIB, KARIM, CA
[72] ARMAND, MICHEL, FR
[72] BOUCHARD, PATRICK, CA
[72] VERREAULT, SERGE, CA
[72] TURCOTTE, NANCY, CA
[72] LEBLANC, DOMINIC, CA
[72] AMOUZEGAR, KAMYAB, CA
[73] HYDRO-QUEBEC, CA
[85] 2020-02-14
[86] 2018-08-15 (PCT/CA2018/050988)
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[51] **Int.Cl. C12N 1/20 (2006.01) A23B 4/22 (2006.01)**
[25] EN
[54] **NEW LACTOBACILLUS CURVATUS STRAINS USEFUL FOR INHIBITION OF LISTERIA**
[54] **NOUVELLES SOUCHES DE SOUCHES DE LACTOBACILLUS CURVATUS UTILES POUR L'INHIBITION DE LISTERIA**
[72] STROEMAN, PER, DK
[72] ELMSHAEUSER, CHRISTIAN, DE
[72] SOERENSEN, KIM IB, DK
[72] SEIBERT, TIM MARTIN, DE
[72] NEVES, RUTE, DK
[73] CHR. HANSEN A/S, DK
[85] 2020-02-14
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[30] EP (17188899.3) 2017-08-31

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[51] **Int.Cl. C01G 39/06 (2006.01) C01G 41/00 (2006.01) C09C 1/42 (2006.01)**
[25] EN
[54] **REVERSIBLE MULTI-RESPONSIVE AND MULTI-PATTERNED NANOCOATINGS**
[54] **NANOREVETEMENTS A MOTIFS MULTIPLES ET A REPONSES MULTIPLES REVERSIBLES**
[72] SUN, LUYI, US
[72] LIU, JINGJING, US
[72] ZHENG, SONGSHAN, US
[72] D'AURIA, THOMAS, US
[72] LIM, YOUNG HOON, JP
[72] ZHOU, TIANLEI, JP
[72] KOTAKI, MASAYA, JP
[73] KANEKA CORPORATION, JP
[73] THE UNIVERSITY OF CONNECTICUT, US
[85] 2020-02-18
[86] 2018-08-17 (PCT/US2018/046945)
[87] (WO2019/036648)
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[25] EN
[54] **MULTI-ROTOR VEHICLE WITH EDGE COMPUTING SYSTEMS**
[54] **VEHICULE A ROTORS MULTIPLES AVEC SYSTEMES INFORMATIQUES PERIPHERIQUES**
[72] DONG, JOHN JIAN, US
[72] DUFFY, MICHAEL JAMES, US
[72] CAMERON, DOUGHLAS C., US
[72] HUSSAIN, NAVEED MOAYYED, US
[73] THE BOEING COMPANY, US
[86] (3074358)
[87] (3074358)
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[30] US (62/814349) 2019-03-06
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[25] EN
[54] **HIGH SPEED MANIPULATION OF NON-UNIFORM OBJECTS**
[54] **MANIPULATION A GRANDE VITESSE D'OBJETS NON UNIFORMES**
[72] ROBINSON, DEREK WAYNE, US
[72] BROTHERTON, KIENAN C., US
[73] EMERGING ACQUISITIONS, LLC, US
[85] 2020-03-19
[86] 2018-04-06 (PCT/US2018/026563)
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[30] US (62/548,817) 2017-08-22
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[25] EN
[54] **POLYMERS OF HALOALKYL AND HALOALKENYL ETHER (METH)ACRYLATES**
[54] **POLYMERES DE (METH)ACRYLATES D'ETHER D'HALOALKYLE ET D'HALOALCENYLE**
[72] CHEN, BENJAMIN BIN, US
[72] POLSZ, CRAIG ALAN, US
[72] CLARKSON, LUCY, US
[72] WANG, JING-HAN (HELEN), US
[73] ARKEMA INC., US
[85] 2020-03-25
[86] 2018-09-25 (PCT/US2018/052572)
[87] (WO2019/067408)
[30] US (62/563,753) 2017-09-27

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[13] C
[51] **Int.Cl. G05D 1/221 (2024.01) B65G 1/137 (2006.01) G05D 1/46 (2024.01)**
[25] EN
[54] **OBJECT HANDLING COORDINATION SYSTEM AND METHOD OF RELOCATING A TRANSPORTING VESSEL**
[54] **SYSTEME DE COORDINATION DE MANUTENTION D'OBJETS ET PROCEDE DE REPOSITIONNEMENT D'UN RECIPIENT DE TRANSPORT**
[72] SHARP, DAVID, GB
[72] ZAMMIT, JOSEPH, GB
[72] WATKINS, RICHARD, GB
[72] CAMPBELL, MICHAEL, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2020-03-26
[86] 2018-10-03 (PCT/EP2018/076933)
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[30] GB (1716201.7) 2017-10-04

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[51] **Int.Cl. B03D 1/12 (2006.01)**
[25] EN
[54] **DISTRIBUTOR ASSEMBLIES AND METHODS FOR SEPARATING SOLVENT FROM TAILINGS**
[54] **ASSEMBLAGES DE DISTRIBUTEUR ET METHODES DE SEPARATION DU SOLVANT DES RESIDUS**
[72] GUPTA, SIDDHARTH, CA
[72] VAN DER MERWE, SHAWN, CA
[72] DEMKO, BRYAN, CA
[72] BAVARESCO, JUAN, CA
[73] FORT HILLS ENERGY L.P., CA
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[54] **TECHNIQUES FOR USE WITH PROSTHETIC VALVE LEAFLETS**
[54] **TECHNIQUES A UTILISER POUR FEUILLETS DE VALVULE PROTHETIQUE**
[72] HARARI, BOAZ, IL
[72] HARITON, ILIA, IL
[73] CARDIOVALVE LTD., IL
[85] 2020-03-31
[86] 2018-01-08 (PCT/IL2018/050024)
[87] (WO2019/077595)
[30] US (15/788,407) 2017-10-19

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[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **HIGHLY EFFICIENT COMPACT HEAD-MOUNTED DISPLAY SYSTEM**
[54] **SYSTEME D'AFFICHAGE MONTE SUR TETE COMPACT ET DE GRANDE EFFICACITE**
[72] AMITAI, YAAKOV, IL
[72] AMITAI, MENACHEM, IL
[73] OORYM OPTICS LTD., IL
[85] 2020-03-31
[86] 2018-10-15 (PCT/IL2018/051105)
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[30] IL (255049) 2017-10-16
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[54] **LIVENESS DETECTION**
[54] **DETECTION DU CARACTERE VIVANT**
[72] CAVALLINI, ALESSIO, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (3077970)
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[22] 2012-07-03
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[25] EN
[54] **ARTICLE HANDLING DEVICE FOR ERECTING CARTONS**
[54] **DISPOSITIF DE MANIPULATION D'ARTICLE POUR MONTER DES CARTONS**
[72] THIERRY, WILLY G., FR
[73] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2020-04-02
[86] 2018-09-28 (PCT/US2018/053345)
[87] (WO2019/079016)
[30] US (62/574,451) 2017-10-19

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[51] **Int.Cl. H04L 1/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROL SIGNALING VIA CSI-RS**
[54] **SYSTEME ET METHODE POUR CONTROLER LE SIGNALEMENT A L'AIDE D'UN SIGNAL DEREFERENCE DE RENSEIGNEMENTS D'ETAT CANAL**
[72] LIU, BIN, US
[72] LIU, XIANDA, CN
[72] LIU, KUNPENG, CN
[72] KWON, YOUNGHOON, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-04-09
[86] 2018-10-08 (PCT/CN2018/109277)
[87] (WO2019/072138)
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[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] GAUS, DAVID, US
[72] O'BOYLE, ERIC, US
[73] APTARGROUP, INC., US
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[54] **AUTOMATIC ELECTRONIC RANGEFINDER**
[54] **TELEMETRE ELECTRONIQUE AUTOMATIQUE**
[72] LAI, YIN-WU, TW
[73] TOP MEASURE INSTRUMENT COMPANY, TW
[86] (3080422)
[87] (3080422)
[22] 2020-05-07
[30] TW (108211383) 2019-08-27

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[25] EN
[54] **IMPROVED MAGNETIC BEADS COMPRISING A LIQUID-GLASS COATING AND USES THEREOF IN NUCLEIC ACID CAPTURE OR PURIFICATION**
[54] **PERLES MAGNETIQUES AMELIOREES COMPRENANT UN REVETEMENT DE VERRE SOLUBLE ET UTILISATIONS CONNEXES DANS LA CAPTURE OU L'EPURATION D'UN ACIDE NUCLEIQUE**
[72] HUG, STEPHAN, DE
[72] LIU, FANGBING, US
[72] SCHOENBRUNNER, NANCY, US
[72] SILVESTRE, MARTIN EDUARDO, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-04-29
[86] 2018-10-31 (PCT/EP2018/079829)
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[30] EP (17199299.3) 2017-10-31
[30] US (62/579,380) 2017-10-31

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[25] EN
[54] **K85 MUTATION-CONTAINING PLANT EPSPS MUTANT, AND ENCODING GENE AND APPLICATION THEREOF**
[54] **MUTANT D'EPSPS DE PLANTE CONTENANT UNE MUTATION DE K85, ET GENE CODANT ET UTILISATION CORRESPONDANTE**
[72] CHEN, RONG, CN
[72] DENG, LONGQUN, CN
[72] HOU, QINGJIANG, CN
[72] LU, YUANGEN, CN
[72] OU, QIAN, CN
[72] FENG, XIAORONG, CN
[72] LI, LING, CN
[72] HUANG, XIN, CN
[72] XU, NANFEI, CN
[73] GEVOTO LLC, CN
[85] 2020-05-01
[86] 2018-12-14 (PCT/CN2018/121331)
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[51] **Int.Cl. C11D 3/30 (2006.01) C11D 3/37 (2006.01) C11D 7/32 (2006.01)**
[25] EN
[54] **ALKALINE CLEANING COMPOSITION AND METHODS FOR REMOVING LIPSTICK**
[54] **COMPOSITION DE NETTOYAGE ALCALINE ET PROCEDES POUR L'ELIMINATION DE ROUGE A LEVRES**
[72] STOKES, JENNIFER, US
[72] SILVERNAIL, CARTER M., US
[73] ECOLAB USA INC., US
[85] 2020-05-04
[86] 2018-11-07 (PCT/US2018/059554)
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[25] EN
[54] **MAINTENANCE BYPASS ASSEMBLY FOR UNINTERRUPTABLE POWER SUPPLY**
[54] **ENSEMBLE DE DECOUPLAGE DE MAINTENANCE POUR UNE ALIMENTATION SANS COUPURE**
[72] CHEN, SHUJEN, US
[72] MATRAS, PAUL F., US
[72] BLAND, ROBERT E., US
[72] BLAKE, PAUL JOSEPH, US
[72] LEIKFER, JAMES LEO, US
[73] C&C POWER, INC., US
[86] (3082004)
[87] (3082004)
[22] 2020-06-05
[30] US (62/859,402) 2019-06-10

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[51] **Int.Cl. A61K 31/137 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **CYCLOBENZAPRINE TREATMENT FOR AGITATION, PSYCHOSIS AND COGNITIVE DECLINE IN DEMENTIA AND NEURODEGENERATIVE CONDITIONS**
[54] **TRAITEMENT DE CYCLOBENZAPRINE POUR L'AGITATION, LA PSYCHOSE ET LE DECLIN COGNITIF DANS LA DEMENCE ET LES ETATS NEURODEGENERATIFS**
[72] HARRIS, HERBERT W., US
[72] LEDERMAN, SETH, US
[73] TONIX PHARMA HOLDINGS LIMITED, BM
[85] 2020-05-22
[86] 2018-12-11 (PCT/IB2018/001509)
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[51] **Int.Cl. F16L 59/14 (2006.01) F16L 11/20 (2006.01) F16L 59/06 (2006.01) F16L 59/12 (2006.01)**
[25] EN
[54] **GAS INSULATED TUBING**
[54] **TUBAGE ISOLE PAR GAZ**
[72] SAYED, AMR MOHAMED, CA
[73] SUNCOR ENERGY INC., CA
[86] (3085287)
[87] (3085287)
[22] 2020-07-02

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[51] **Int.Cl. H04N 19/40 (2014.01) H04N 19/119 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/186 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **IMAGE CODING METHOD ON BASIS OF NON-SEPARABLE SECONDARY TRANSFORM AND DEVICE THEREFOR**
[54] **PROCEDE DE CODAGE D'IMAGE EFFECTUE SUR LA BASE D'UNE TRANSFORMEE SECONDAIRE NON SEPARABLE ET DISPOSITIF A CET EFFET**
[72] SALEHIFAR, MEHDI, KR
[72] KIM, SEUNGHWAN, KR
[72] LIM, JAEHYUN, KR
[72] KOO, MOONMO, KR
[73] LG ELECTRONICS INC., KR
[85] 2020-06-15
[86] 2018-12-13 (PCT/KR2018/015812)
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[51] **Int.Cl. B07B 1/46 (2006.01) B01D 29/01 (2006.01)**
[25] EN
[54] **INJECTION MOLDED SCREENING APPARATUSES AND METHODS**
[54] **APPAREILS DE CRIBLAGE MOULES PAR INJECTION ET PROCEDES**
[72] WOJCIECHOWSKI, KEITH, US
[73] DERRICK CORPORATION, US
[85] 2020-06-17
[86] 2018-07-06 (PCT/US2018/040998)
[87] (WO2019/125515)
[30] US (15/851,099) 2017-12-21
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[25] EN
[54] **SPLATTER PROTECTOR**
[54] **PROTECTEUR CONTRE LES ECLATS**
[72] YALKUT-LUBOMIRSKI, ANNA, CA
[72] FEIGIN-LUBOMIRSKI, ERIC, CA
[73] LIQ INC., CA
[86] (3087136)
[87] (3087136)
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[51] **Int.Cl. H01M 4/62 (2006.01) H01M 10/052 (2010.01) H01M 4/36 (2006.01) H01M 4/58 (2010.01)**
[25] EN
[54] **NANOCOMPOSITE CATHODE MATERIALS FOR USE IN BATTERIES**
[54] **MATERIAUX DE CATHODE NANOCOMPOSITES DESTINES A ETRE UTILISES DANS DES BATTERIES**
[72] ARSALAN, MUHAMMAD, SA
[72] ALSHARAEH, EDREESE, SA
[72] AHMED, FAHEEM, SA
[72] ALDOSARI, YAZEED FAHAD, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-06-30
[86] 2018-08-24 (PCT/IB2018/056450)
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[30] US (15/866,122) 2018-01-09

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[25] EN
[54] **RESOURCE CONFIGURATION METHOD AND COMMUNICATIONS APPARATUS**
[54] **PROCEDE DE CONFIGURATION DE RESSOURCE, ET APPAREIL DE COMMUNICATION**
[72] XU, XIUQIANG, CN
[72] CHEN, YAN, CN
[72] WANG, YI, CN
[72] WU, YIQUN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-07-10
[86] 2019-01-11 (PCT/CN2019/071284)
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[25] EN
[54] **AUTOMATED FAN INLET DAMPER CLOSURE APPARATUS**
[54] **APPAREIL AUTOMATISE DE FERMETURE DE REGISTRE D'ENTREE DE SOUFFLANTE**
[72] QUINONES, CHRISTIAN O., US
[72] MILLS, JERRY, US
[73] ACOUSTIFLO, LTD., US
[86] (3088559)
[87] (3088559)
[22] 2020-07-30
[30] US (62/935137) 2019-11-14
[30] US (16/897204) 2020-06-09

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[25] EN
[54] **VISUALIZING COMMENT SENTIMENT**
[54] **VISUALISATION D'UNE OPINION DE COMMENTAIRE**
[72] ZHAO, RUNHUA, US
[72] JIN, DANNI, US
[72] WANG, CHRIS, US
[73] INTUIT INC., US
[85] 2020-07-15
[86] 2019-07-29 (PCT/US2019/043898)
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[25] EN
[54] **GRAPHENE MEMBRANE AND METHOD FOR MAKING GRAPHENE MEMBRANE**
[54] **MEMBRANE DE GRAPHENE ET PROCEDE DE FABRICATION**
[72] FLINT, IAN, CA
[72] OGUNTUASE, NIFEMI, CA
[73] 2599218 ONTARIO INC., CA
[86] (3089361)
[87] (3089361)
[22] 2020-08-07
[30] US (16/542,456) 2019-08-16

[11] **3,090,797**
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[51] **Int.Cl. A61K 49/00 (2006.01) C07D 209/12 (2006.01) C09K 11/06 (2006.01) G01N 33/533 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **NON-AGGREGATING HEPTAMETHINE CYANINE FLUOROPHORES FOR IN VIVO IMAGING**
[54] **FLUOROPHORES NON AGGREGANTS A BASE DE CYANINE HEPTAMETHINE POUR L'IMAGERIE IN VIVO**
[72] SCHNERMANN, MARTIN JOHN, US
[72] LUCIANO, MICHAEL PHILIP, US
[72] NANI, ROGER RAUHAUSER, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-08-07
[86] 2019-02-15 (PCT/US2019/018153)
[87] (WO2019/161159)
[30] US (62/631,390) 2018-02-15

[11] **3,091,563**
[13] C
[51] **Int.Cl. G01S 17/89 (2020.01) G01S 7/483 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVED NEAR AND REMOTE DETECTION OF A LIDAR RECEIVING UNIT**
[54] **PROCEDE DE DETECTION RAPPROCHEE ET A DISTANCE AMELIOREE D'UNE UNITE DE RECEPTION LIDAR**
[72] BEUSCHEL, RALF, DE
[72] KIEHN, MICHAEL, DE
[73] MICROVISION, INC., US
[85] 2020-06-10
[86] 2018-11-16 (PCT/EP2018/081592)
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[30] DE (10 2017 222 969.1) 2017-12-15

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[51] **Int.Cl. G06T 15/00 (2011.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COMMAND STREAM OPTIMIZATION AND ENHANCEMENT**
[54] **APPAREIL ET PROCEDE D'OPTIMISATION ET D'AMELIORATION D'UN FLUX DE COMMANDES**
[72] ZHANG, FAN, US
[72] ZHU, XIAOXING, US
[72] CABALLERO, ARTURO, US
[72] NUNES, GUSTAVO, US
[72] CHANOT, AURELIEN, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-08-10
[86] 2019-05-31 (PCT/CN2019/089514)
[87] (WO2019/228497)
[30] US (62/678,726) 2018-05-31
[30] US (62/722,542) 2018-08-24

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[51] **Int.Cl. G01N 27/07 (2006.01) C12M 1/00 (2006.01) C12M 1/34 (2006.01) G01N 21/05 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **CHANNEL DEVICE**
[54] **DISPOSITIF DE TRAJET D'ECOULEMENT**
[72] OBA, TAKAHIRO, JP
[72] OGURA, TAKAHIRO, JP
[72] ITO, KOJU, JP
[73] FUJIFILM CORPORATION, JP
[85] 2020-08-25
[86] 2019-02-22 (PCT/JP2019/006670)
[87] (WO2019/163925)
[30] JP (2018-031757) 2018-02-26

[11] **3,092,996**
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[51] **Int.Cl. A01C 1/02 (2006.01) B07C 5/342 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMAGING SEEDS USING MULTIPLE CAMERAS**
[54] **SYSTEMES ET METHODES POUR L'IMAGERIE DE GRAINES AU MOYEN DE PLUSIEURS CAMERAS**
[72] BORROWMAN, ERIC L., US
[72] CHAUDHARY, GOVIND, US
[72] CHEN, HSIN-CHEN, US
[72] KOHNE, JEFFREY L., US
[72] KOTYK, JOHNNY J., US
[72] POMPE VAN MEERDERVOORT, LOUIS M., US
[72] RADER, RANDALL K., US
[72] WHITE, BRAD D., US
[72] ZHANG, CHI, US
[73] MONSANTO TECHNOLOGY LLC, US
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022065)
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[30] US (62/642,684) 2018-03-14

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[13] C
[51] **Int.Cl. H01L 31/043 (2014.01)**
[25] EN
[54] **PYRAMIDAL WALL SECTIONS**
[54] **SECTIONS DE PAROI PYRAMIDALE**
[72] JACQUES, JONATHAN, US
[73] JACQUES, JONATHAN, US
[85] 2020-09-04
[86] 2019-03-05 (PCT/US2019/020713)
[87] (WO2019/173311)
[30] US (15/912,343) 2018-03-05

[11] **3,095,712**
[13] C
[51] **Int.Cl. G01N 27/20 (2006.01)**
[25] EN
[54] **METHOD FOR NON-DESTRUCTIVE INSPECTION OF ANODES FOR ALUMINIUM REDUCTION CELLS**
[54] **PROCEDE DE DEFECTOSCOPIE NON DESTRUCTIVE D'ANODE D'ELECTROLYSEUR D'ALUMINIUM**
[72] ZAVADYAK, ANDREJ VASIL'EVICH, RU
[72] PUZANOV, IL'YA IVANOVICH, RU
[72] POPOV, YURIJ NIKOLAEVICH, RU
[72] PETRENKO, DMITRIJ VALER'EVICH, RU
[72] MISHUROV, ANDREJ VALERIEVICH, RU
[72] BERNGARDT, MARGARITA GABDULLAEVNA, RU
[73] OBSCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2020-09-30
[86] 2018-07-24 (PCT/RU2018/000489)
[87] (WO2019/226067)
[30] RU (2018118713) 2018-05-21

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[51] **Int.Cl. G01S 15/02 (2006.01) E21B 47/113 (2012.01) E21B 47/10 (2012.01) G01M 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LOCATING AN AREA OF INTEREST IN A CONDUIT**
[54] **SYSTEME ET PROCEDE POUR LOCALISER UNE ZONE D'INTERET DANS UN CONDUIT**
[72] DANKERS, ARNE, CA
[72] JALILIAN, SEYED EHSAN, CA
[73] HIFI ENGINEERING INC., CA
[85] 2020-10-07
[86] 2019-04-04 (PCT/CA2019/050415)
[87] (WO2019/195923)
[30] US (62/656,800) 2018-04-12

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[13] C
[51] **Int.Cl. H03K 5/1536 (2006.01) H03K 17/13 (2006.01)**
[25] EN
[54] **ZERO-CROSSING DETECTION DEVICE AND METHOD THEREOF AND NO-NEUTRAL SWITCH**
[54] **DISPOSITIF DE DETECTION DE PASSAGE PAR ZERO, METHODE CONNEXE ET INTERRUPTEUR NON NEUTRE**
[72] XING, DONG, CN
[72] CHEN, WEIHU, CN
[72] HU, JINPENG, CN
[72] WANG, AIJUN, CN
[72] WANG, FANBIN, CN
[73] SAVANT TECHNOLOGIES LLC, US
[86] (3096643)
[87] (3096643)
[22] 2020-10-21
[30] CN (2019110520787) 2019-10-31

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[51] **Int.Cl. C22B 59/00 (2006.01) C01F 17/00 (2020.01) C22B 3/04 (2006.01) C22B 3/08 (2006.01)**
[25] EN
[54] **PROCESSING RARE EARTH SULPHATE SOLUTIONS**
[54] **TRAITEMENT DE SOLUTIONS DE SULFATE DE TERRE RARE**
[72] ELLIOT, ALEXANDER DEAN, AU
[73] ARAFURA RESOURCES LIMITED, AU
[85] 2020-10-09
[86] 2019-05-02 (PCT/AU2019/050403)
[87] (WO2019/210367)
[30] AU (2018901510) 2018-05-03

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[13] C
[51] **Int.Cl. G10K 11/16 (2006.01) H04B 1/3888 (2015.01)**
[25] EN
[54] **MOBILE PHONE COVER PROVIDING PASSIVE NOISE REDUCTION OF MICROPHONE AUDIO INPUT SIGNALS**
[54] **COUVERCLE DE TELEPHONE MOBILE PERMETTANT UNE REDUCTION PASSIVE DU BRUIT DE SIGNAUX D'ENTREE AUDIO DE MICROPHONE**
[72] BOHN, MADS, NO
[73] FURTUNE AS, NO
[85] 2020-10-22
[86] 2019-04-24 (PCT/NO2019/050091)
[87] (WO2019/209117)
[30] NO (20180603) 2018-04-27

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[13] C
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 47/117 (2012.01)**
[25] EN
[54] **EARLY WARNING AND AUTOMATED DETECTION FOR LOST CIRCULATION IN WELLBORE DRILLING**
[54] **ALERTE PRECOCE ET DETECTION AUTOMATIQUE DE PERTE DE CIRCULATION DANS LE FORAGE DE PUITS**
[72] VERMA, SHASHWAT, IN
[72] VALLABHANENI, SRIDHARAN, IN
[72] HOBBERSTAD, RUNE, NO
[72] ROY, SAMIRAN, IN
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-11-04
[86] 2020-05-20 (PCT/US2020/033690)
[87] (WO2021/183165)
[30] US (62/989,188) 2020-03-13
[30] US (16/878,715) 2020-05-20

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[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61M 5/158 (2006.01)**
[25] EN
[54] **INTRAOSSEOUS INFUSION DEVICE**
[54] **DISPOSITIF DE PERFUSION INTRA-OSSEUSE**
[72] YAGMURLU, MUSA, XX
[73] MATEK MEDIKAL AYGITLAR TEKNOLOJI SANAYI VE TICARET ANONIM SIRKETI,
[85] 2020-12-07
[86] 2019-04-09 (PCT/TR2019/050231)
[87] (WO2019/236042)
[30] TR (2018/08113) 2018-06-07

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[13] C
[51] **Int.Cl. A61K 31/65 (2006.01) A61P 25/32 (2006.01)**
[25] EN
[54] **MODIFIED TETRACYCLINE FOR TREATMENT OF ALCOHOL USE DISORDER, PAIN AND OTHER DISORDERS INVOLVING POTENTIAL INFLAMMATORY PROCESSES**
[54] **TETRACYCLINE MODIFIEE POUR LE TRAITEMENT DES TROUBLES DE L'USAGE DE L'ALCOOL, DE LA DOULEUR ET D'AUTRES TROUBLES IMPLIQUANT DES PROCESSUS INFLAMMATOIRES POTENTIELS**
[72] BERGESON, SUSAN E., US
[72] SYAPIN, PETER, US
[72] REID, TED W., US
[72] SHASHTRI, MAYANK, US
[73] TEXAS TECH UNIVERSITY SYSTEM, US
[85] 2020-12-11
[86] 2019-06-13 (PCT/US2019/036892)
[87] (WO2019/241466)
[30] US (62/684,467) 2018-06-13
[30] US (62/684,509) 2018-06-13

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[51] **Int.Cl. G06F 21/32 (2013.01) G06F 21/45 (2013.01) G06F 21/62 (2013.01) G07F 19/00 (2006.01)**
[25] EN
[54] **CLUSTER-BASED SECURITY FOR NETWORK DEVICES**
[54] **SECURITE EN GRAPPES POUR DES DISPOSITIFS RESEAU**
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3104384)
[87] (3104384)
[22] 2020-12-29
[30] US (16/729791) 2019-12-30

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[54] **COMPOSITION COMPRENANT DU PRAMIPEXOLE ET DES ANTAGONISTES NK1 POUR TRAITER LA DEPRESSION**
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[72] CLARENCE-SMITH, KATHLEEN E., US
[73] CHASE THERAPEUTICS CORPORATION, US
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[54] **GADOLINIUM BEARING PCTA-BASED CONTRAST AGENTS**
[54] **AGENTS DE CONTRASTE A BASE DE PCTA PORTANT DU GADOLINIUM**
[72] NAPOLITANO, ROBERTA, IT
[72] LATTUADA, LUCIANO, IT
[72] BARANYAI, ZSOLT, IT
[72] GUIDOLIN, NICOLE, IT
[72] MARAZZI, GIUSEPPE, IT
[73] BRACCO IMAGING SPA, IT
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[25] EN
[54] **ELECTRIC POTENTIALLY-DRIVEN SHADE WITH IMPROVED COIL STRENGTH, METHODS OF MAKING THE SAME AND METHOD OF OPERATING THE SAME**
[54] **STORE ENTRAINE PAR POTENTIEL ELECTRIQUE A RESISTANCE D'ENROULEMENT AMELIOREE, PROCEDES DE FABRICATION DE CE STORE ET PROCEDE POUR FAIRE FONCTIONNER CE STORE**
[72] BLUSH, JASON, US
[72] FREY, TIMOTHY, US
[72] GU, YABEI, US
[73] GUARDIAN GLASS, LLC, US
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[72] ADLURI, MAHENDER RAJU, US
[73] CONSENSUS CLOUD SOLUTIONS INTERNATIONAL LTD., IE
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[54] **COMPOSITIONS DE REVETEMENT POUR MATERIAUX BITUMINEUX**
[72] CRENSHAW, BRENT, US
[72] BULICK, ALLEN, US
[72] FRAZEE, GLENN, US
[72] HIBBEN, MARY JANE, US
[72] SANDOVAL, ROBERT, US
[73] SWIMC LLC, US
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[54] **SYSTEME MOBILE DE DISTRIBUTION DE MEDICAMENT**
[72] GARG, HONEY, US
[72] FELKE, MAGNUS, US
[72] GAEDE, ROBERT, US
[73] CAREFUSION 303, INC., US
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[54] **ASSAY APPARATUSES, METHODS AND REAGENTS**
[54] **APPAREILS, PROCEDES ET REACTIFS DE DOSAGE**
[72] CHAMBERLIN, IAN, US
[72] CLINTON, CHARLES M., US
[72] GLEZER, ELI N., US
[72] JEFFREY-COKER, BANDELE, US
[72] KOCHAR, MANISH, US
[72] KOVACS, SANDOR, US
[72] LE, D. T., US
[72] LEIMKUEHLER, AARON, US
[72] SIGAL, GEORGE, US
[72] TABAKIN, LEO, US
[72] WILLOUGHBY, JON, US
[73] MESO SCALE TECHNOLOGIES, LLC., US
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[54] **METHODE DE CONTROLE D'UNE ARMOIRE EN FONCTION D'UN MESSAGE D'EXPEDITION ET D'UN DISPOSITIF ELECTRONIQUE**
[72] JIANG, SHAN, CN
[72] QING, YUAN, CN
[72] ZHANG, WEN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-01-26
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[54] **METHOD FOR CONTROLLING AN INJECTION MOLDING SYSTEM**
[54] **PROCEDE POUR REGULER UN SYSTEME DE MOULAGE PAR INJECTION**
[72] VACULIK, ROBERT, DE
[72] KRICK, CURTIS, US
[73] KISTLER HOLDING AG, CH
[85] 2021-02-08
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[54] **HOLOGRAPHIC REALITY SYSTEM, MULTIVIEW DISPLAY, AND METHOD**
[54] **SYSTEME DE REALITE HOLOGRAPHIQUE, DISPOSITIF D'AFFICHAGE MULTIVUE, ET PROCEDE**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
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[54] **PROCEDES ET COMPOSITIONS POUR RENFORCER LA CROISSANCE DES CHEVEUX ET/OU PREVENIR LA CHUTE DES CHEVEUX**
[72] TOMARIN, SEYMOUR AARON, US
[72] RICHARDS, JAMES WILLIAM, US
[73] ATTAIN HEALTH INC., US
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[54] **CONSTRAINING SYSTEMS AND ASSOCIATED METHODS**
[54] **SYSTEMES DE CONTRAINTE ET PROCEDES ASSOCIES**
[72] RAMIREZ, GIL R., US
[72] STASTKA, JERRY J., US
[72] TENNANT, JOHN S., US
[72] YAMAMOTO, MARC Y., US
[73] W. L. GORE & ASSOCIATES, INC., US
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[25] EN
[54] **METHODS OF TREATING RESIDUAL BREAST CANCER WITH TRASTUZUMAB EMTANSINE**
[54] **METHODES DE TRAITEMENT DE CANCER DU SEIN RESIDUEL A L'AIDE DE TRASTUZUMAB EMTANSINE**
[72] SMITT, MELANIE, US
[73] GENENTECH, INC., US
[85] 2021-03-12
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[54] **INSULATED CARRIER FOR TEMPERATURE-CONTROLLED ITEMS**
[54] **SUPPORT ISOLE POUR ARTICLES A TEMPERATURE CONTROLEE**
[72] KIELING, MELISSA, US
[72] ECARMA, ROLAND, US
[72] GROSS, KENNETH, US
[73] PACKIT, LLC, US
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[54] **NETWORK ARCHITECTURE, METHODS, AND DEVICES FOR A WIRELESS COMMUNICATIONS NETWORK**
[54] **ARCHITECTURE DE RESEAU, PROCEDES ET DISPOSITIFS POUR UN RESEAU DE COMMUNICATION SANS FIL**
[72] PARKVALL, STEFAN, SE
[72] ABRAHAMSSON, RICHARD, SE
[72] AKTAS, ISMET, DE
[72] ALRIKSSON, PETER, SE
[72] ANSARI, JUNAID, DE
[72] ASHRAF, SHEHZAD ALI, DE
[72] ASPLUND, HENRIK, SE
[72] ATHLEY, FREDRIK, SE
[72] AXELSSONK, HAKAN, SE
[72] AXMON, JOAKIM, SE
[72] AXNAS, JOHAN, SE
[72] BALACHANDRAN, KUMAR, US
[72] BALDEMAIR, ROBERT, SE
[72] BARK, GUNNAR, SE
[72] BERG, JAN-ERIK, SE
[72] BERGSTROM, ANDREAS, SE
[72] BJORKEGREN, HAKAN, SE
[72] BRAHMI, NADIA, DE
[72] CAPAR, CAGATAY, XX
[72] CARLSSON, ANDERS, SE
[72] CEDERGREN, ANDREAS, SE
[72] COLDREY, MIKAEL, SE
[72] DA SILVA, ICARO L. J., SE
[72] DAHLMAN, ERIK, SE
[72] EL ESSAILI, ALI, DE

[72] ENGSTROM, ULRIKA, SE
[72] ERICSON, MARTEN, SE
[72] ERIKSSON, ERIK, SE
[72] FALLGREN, MIKAEL, SE
[72] FAN, RUI, CN
[72] FODOR, GABOR, SE
[72] FRENGER, PAL, SE
[72] FRIDEN, JONAS, SE
[72] FROBERG OLSSON, JONAS, SE
[72] FURUSKAR, ANDERS, SE
[72] FURUSKOG. JOHAN, SE
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[72] GATTAMI, ATHER, SE
[72] GUNNARSSON, FREDRIK, SE
[72] GUSTAVSSON, ULF, SE
[72] HAGERMAN, BO, SE
[72] HARRYSSON, FREDRIK, SE
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[72] HESSLER, MARTIN, SE
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[72] HONG, SONGNAM, KR
[72] HUI, DENNIS, US
[72] HUSCHKE, JORG, DE
[72] IRNICH, TIM, DE
[72] JACOBSSON, SVEN, SE
[72] JALDEN, NIKLAS, SE
[72] JARMYR, SIMON, SE
[72] JIANG, ZHIYUAN, CN
[72] JOHANSSON, MARTIN, SE
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[72] KANG, DU HO, SE
[72] KARIPIDIS, ELEFTHERIOS, SE
[72] KARLSSON, PATRIK, SE
[72] KHAYRALLAH, ALI S., US
[72] KILINC, CANER, SE
[72] KLANG, GORAN N., SE
[72] KRONANDER, JONAS, SE
[72] LANDSTROM, SARA, SE
[72] LARSSON, CHRISTINA, SE
[72] LI, GEN, CN
[72] LINCOLN, BO, SE
[72] LINDBOM, LARS, SE
[72] LINDGREN, ROBERT, SE
[72] LINDOFF, BENGT, SE
[72] LINDQVIST, FREDRIK, SE
[72] LIU, JINHUA, CN
[72] LOHMAR, THORSTEN, DE
[72] LU, QIANXI, CN
[72] MANHOLM, LARS, SE
[72] MARIC, IVANA, US
[72] MEDBO, JONAS, SE
[72] MIAO, QINGYU, CN
[72] MILDH, GUNNAR, SE
[72] MOOSAVI, REZA, SE
[72] MULLER, WALTER, SE
[72] MYHRE, ELENA, SE
[72] NILSSON, JOHAN, SE
[72] NORRMAN, KARL, SE
[72] OLSSON, BENGT-ERIK, SE
[72] PALENIUS, TORGNY, SE
[72] PEISA, JANNE, FI
[72] PETERSSON, SVEN, SE
[72] PRADAS, JOSE LUIS, SE
[72] PRYTZ, MIKAEL, SE
[72] QUESETH, OLAV, SE
[72] RAMACHANDRA, PRADEEPA, SE
[72] RAMOS, EDGAR, FI
[72] REIAL, ANDRES, SE
[72] RIMHAGEN, THOMAS, SE
[72] RINGH, EMIL, SE
[72] RUGELAND, PATRIK, SE
[72] RUNE, JOHAN, SE
[72] SACHS, JOACHIM, SE
[72] SAHLIN, HENRIK, SE
[72] SAXENA, VIDIT, SE
[72] SEIFI, NIMA, SE
[72] SELEN, YNGVE, SE
[72] SEMAAN, ELIANE, SE
[72] SHARMA, SACHIN, SE
[72] SHI, CONG, CN
[72] SKOLD, JOHAN, SE
[72] STATTIN, MAGNUS, SE
[72] STJERNMAN, ANDERS, SE
[72] SUNDSTROM, LARS, SE
[72] TERCERO VARGAS, MIUREL ISABEL, SE
[72] TIDESTAV, CLAES, SE
[72] TOMBAZ, SIBEL, SE
[72] TORSNER, JOHAN, FI
[72] TULLBERG, HUGO, SE
[72] VIKBERG, JARI, SE
[72] VON WRYCZA, PETER, SE
[72] WAGER, STEFAN, FI
[72] WALLDEEN, THOMAS, SE
[72] WALLEN, ANDERS, SE
[72] WALLENTIN, PONTUS, SE
[72] WANG, HAI, CA
[72] WANG HELMERSSON, KE, SE
[72] WANG, JIANFENG, CN
[72] WANG, YI-PIN ERIC, US
[72] WERNER, KARL, SE
[72] WITTENMARK, EMMA, SE
[72] YILMAZ, OSMAN NURI CAN, FI
[72] ZAIDI, ALI, SE
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[72] ZHENG, YANLI, CN
[72] SUNDMAN, DENNIS, SE
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[54] **PIECES DE CHARPENTE POUR FENETRES**
[72] MAKWICH, GORDON, CA
[72] SCHWARTZ, JOEL, CA
[72] JAROLIM, ADAM, CA
[73] GRANDVIEW EA BUILDING SYSTEMS CORP., CA
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[54] **SYSTEME DE GESTION DE BATTERIE SECONDAIRE AVEC UN DISPOSITIF DE RECHARGE POUR INDUIRE UN ETAT DE CHARGE CIBLE A DETERIORATION CORRIGEE**
[72] YASUGI, AKIRA, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2021-04-14
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[54] **INHIBITEURS DE SARM1 EN COMBINAISON AVEC NAD+ OU UN PRECURSEUR DE NAD+**
[72] BOSANAC, TODD, US
[72] DEVRAJ, RAJESH, US
[72] ENGBER, THOMAS, US
[72] HUGHES, ROBERT OWEN, US
[72] KRAUSS, RAUL EDUARDO, US
[73] DISARM THERAPEUTICS, INC., US
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[54] **CONJUGUES PEG-LIPIDES CHARGES NEGATIVEMENT**
[72] HEYES, JAMES, CA
[72] LAM, KIEU MONG, CA
[72] WOOD, MARK, CA
[73] ARBUTUS BIOPHARMA CORPORATION, CA
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[25] EN
[54] **PARTITIONING OF A CODING BLOCK TO OBTAIN A PLURALITY OF PREDICTION UNITS IN ENCODING/DECODING A VIDEO SIGNAL**
[54] **SEGMENTATION D'UN BLOC DE CODAGE POUR OBTENIR PLUSIEURS UNITES DE PREDICTION DANS LE CODAGE/DECODAGE D'UN SIGNAL VIDEO**
[72] LEE, BAE KEUN, KR
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-05-05
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[25] EN
[54] **METHOD AND APPARATUS FOR INTRA PREDICTION**
[54] **PROCEDE ET APPAREIL DE PREDICTION INTRA**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, CN
[72] RUFITSKIY, VASILY ALEXEEVICH, CN
[72] CHEN, JIANLE, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **FORMULATIONS EUTECTIQUES DE CHLORHYDRATE D'AMITRIPTYLINE ET DE MANNITOL**
[72] NEBULONI, MARINO, IT
[72] COLOMBO, PATRIZIA, IT
[73] TONIX PHARMA HOLDINGS LIMITED, US
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[62] 2,904,812
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[54] **DETERMINATION D'EMPLACEMENT DE MOUVEMENT DETECTE A PARTIR DE SIGNAUX SANS FIL**
[72] OMER, MOHAMMAD, CA
[72] DEVISON, STEPHEN ARNOLD, CA
[73] COGNITIVE SYSTEMS CORP., CA
[85] 2021-05-17
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[54] **SYSTEMS AND METHODS FOR BEHAVIORAL THREAT DETECTION**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE MENACE COMPORTEMENTALE**
[72] DICHIU, DANIEL, RO
[72] NICULAE, STEFAN, RO
[72] BOSINCEANU, ELENA A., RO
[72] ZAMFIR, SORINA N., RO
[72] DINCU, ANDREEA, RO
[72] APOSTOAE, ANDREI A., RO
[73] BITDEFENDER IPR MANAGEMENT LTD, CY
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[54] **DEVICES, SYSTEMS, AND METHODS FOR ASSESSING FACILITY COMPLIANCE WITH INFECTIOUS DISEASE GUIDANCE**
[54] **DISPOSITIFS, SYSTEMES ET METHODES POUR EVALUER LA CONFORMITE DES ETABLISSEMENTS AUX LIGNES DIRECTRICES RELATIVES AUX MALADIES INFECTIEUSES**
[72] GIBSON, ADAM ROBERT, US
[72] PALANIVEL, RAJKUMAR PALANIVEL, US
[72] RANJAN, PRABHAT, US
[72] TOWLER, KELVIN PAUL, US
[72] PAIX, KENDALL, US
[72] SALGAR, MAYUR SIDRAM, US
[72] KARMAKAR, SHEELADITYA, US
[72] SHARMA, MANISH, US
[73] HONEYWELL INTERNATIONAL INC., US
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[54] **KITCHEN APPLIANCE FOR PROCESSING FOOD**
[54] **ROBOT MENAGER POUR TRAITER DES ALIMENTS**
[72] BODUM, JORGEN, CH
[73] PI-DESIGN AG, CH
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[54] **SYSTEMS AND METHODS FOR TREATING AN OPIOID-INDUCED ADVERSE PHARMACODYNAMIC RESPONSE**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'UNE REPONSE PHARMACODYNAMIQUE INDESIRABLE INDUITE PAR UN OPIOIDE**
[72] HUMMEL, MICHELE, US
[72] KYLE, DONALD J., US
[72] LAUTERMILCH, NATHAN, US
[72] WHITESIDE, GARTH, US
[73] PURDUE PHARMA L.P., US
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[54] **LOGIC CIRCUITRY PACKAGE FOR CONTROLLING IC2 TRAFFIC**
[54] **PAQUET DE CIRCUITS LOGIQUES POUR LE CONTROLE DU TRAFIC I2C**
[72] PANSHIN, STEPHEN D., US
[72] WARD, JEFFERSON P., US
[72] LINN, SCOTT A., US
[72] GARDNER, JAMES MICHAEL, US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
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[54] **CORE TUBE HANDLING DEVICE**
[54] **DISPOSITIF DE MANOEUVRE DE TUBE CAROTTIER**
[72] UPMEIER, THORSTEN, DE
[72] KRUSE, CHRISTOF, DE
[72] ZWAR, TREVOR, AU
[73] BOART LONGYEAR COMPANY, US
[85] 2021-05-27
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[54] **MAGIC STATE FACTORY CONSTRUCTIONS FOR PRODUCING CCZ AND T STATES**
[54] **CONSTRUCTIONS D'USINE D'ETAT MAGIQUE DESTINEE A PRODUIRE DES ETATS CCZ ET T**
[72] GIDNEY, CRAIG, US
[72] FOWLER, AUSTIN GREIG, US
[73] GOOGLE LLC, US
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[54] **ELECTRICAL CONNECTING DEVICE HAVING A MAIN BODY AND A DISPLACEMENT BODY**
[54] **DISPOSITIF DE CONNEXION ELECTRIQUE AYANT UN CORPS PRINCIPAL ET UN CORPS DE DEPLACEMENT**
[72] FRASCH, TOBIAS, DE
[73] AFAG HOLDING AG, CH
[86] (3121760)
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[54] **COUNTER-ROTATING MOTOR AND HIGH SPEED BLENDER**
[54] **MOTEUR CONTRA-ROTATIF ET MELANGEUR A GRANDE VITESSE**
[72] LIU, YI, CN
[72] ZHAO, JIANXING, CN
[72] WANG, FEI, CN
[73] GUANGDONG MIDEA WHITE HOME APPLIANCE TECHNOLOGY INNOVATION CENTER CO. LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[54] **BICYCLIC DERIVATIVES**
[54] **DERIVES BICYCLIQUES**
[72] DUCRAY, PIERRE, US
[72] PAUTRAT, FRANCOIS, US
[72] RAGEOT, DENISE, US
[72] TAHTAOUI, CHOUAIB, US
[73] ELANCO TIERGESUNDHEIT AG, CH
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[54] **ADAPTIVE POLLING BASED ON LINK QUALITY**
[54] **SCRUTATION ADAPTATIVE BASEE SUR LA QUALITE DE LA LIAISON**
[72] KHALED, YACINE, US
[72] BARTIER, JEROME, US
[72] MAALLEM, KHALID, US
[73] ITRON GLOBAL SARL, US
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[54] **METHOD AND APPARATUS FOR DIE COATING A SUBSTRATE WITH HIGH VISCOSITY MATERIALS**
[54] **METHODE ET APPAREIL DE REVETEMENT LUBRIFIANT D'UN SUBSTRAT AU MOYEN DE MATERIAUX A VISCOSITE ELEVEE**
[72] SVEC, JAMES A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (3125156)
[87] (3125156)
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[25] EN
[54] **METHODS AND SYSTEMS FOR MAINTAINING HYGIENIC CONDITIONS IN AUTOMATIC TELLER MACHINES**
[54] **METHODES ET SYSTEMES POUR MAINTENIR DES CONDITIONS HYGIENIQUES DANS DES GUICHETS AUTOMATIQUES**
[72] BHARDWAJ, SHEKHAR, US
[72] YOCCA, ANDREW, US
[72] GOODMAN, KELVIN, US
[72] MCVAY, CHRISTOPHER, US
[72] ZHANG, DONG, US
[72] PANDYA, NEER, US
[73] CAPITAL ONE SERVICES, LLC, US
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[54] **KEY GENERATION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE GENERATION DE CLE, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] LIU, FUWEN, CN
[73] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[73] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
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[54] **ELORAN RECEIVER WITH TUNED ANTENNA AND RELATED METHODS**
[54] **RECEPTEUR ELORAN AVEC ANTENNE AJUSTEE ET METHODES CONNEXES**
[72] PARSCHE, FRANCIS E., US
[73] EAGLE TECHNOLOGY, LLC, US
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[54] **FOUR A CONVECTION**
[72] STEPHENS, JASON M., US
[72] KEEHAN, ROBERT, US
[73] ILLINOIS TOOL WORKS INC., US
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[54] **APPAREIL ELECTRIQUE, SYSTEME D'ALIMENTATION ELECTRIQUE ET PROCEDE DE FABRICATION DE L'APPAREIL ELECTRIQUE**
[72] WALTON, SIMON, NZ
[72] PULIKANTI, SRIDHAR, NZ
[72] MURDOCK, DUSTIN, NZ
[72] ELLIOTT, NICHOLAS JAMES, NZ
[72] TURNER, ROBERT, NZ
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[54] **A METHOD AND APPARATUS FOR GENERATING, STORING AND USING HYDROGEN**
[54] **METHODE ET APPAREIL POUR PRODUIRE, STOCKER ET UTILISER DE L'HYDROGENE**
[72] HIGGINBOTHAM, PAUL, GB
[72] WHITE, VINCE, GB
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (3126033)
[87] (3126033)
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[54] **CIRCUIT INTEGRE A CIRCUITS D'ATTAQUE D'ADRESSE POUR PUCE FLUIDIQUE**
[72] LINN, SCOTT A., US
[72] GARDNER, JAMES MICHAEL, US
[72] CUMBIE, MICHAEL W., US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
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[54] **DUAL-POLARIZATION ANTENNA ARRAY**
[54] **RESEAU D'ANTENNES A DOUBLE POLARISATION**
[72] KHRIPKOV, ALEXANDER, SE
[72] VIIKARI, VILLE, FI
[72] MONTOYA MORENO, RESTI, FI
[72] ALA-LAURINAHO, JUHA, FI
[72] ILVONEN, JANNE, SE
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CATHETER FLUSH DEVICE, SYSTEM, AND METHODS**
[54] **DISPOSITIF, SYSTEME ET PROCEDES DE RINCAGE DE CATHETER**
[72] ISAACSON, S. RAY, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2021-07-13
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[54] **COMPOSANT D'IMPRESSION A CIRCUIT DE MEMOIRE**
[72] NG, BOON BING, US
[72] GARDNER, JAMES MICHAEL, US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
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[54] **ARRIVAL TIME AND LOCATION TARGETING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE DETERMINATION DU LIEU ET DE L'HEURE D'ARRIVEE**
[72] SCHULTZ, TIMOTHY ALLEN, US
[72] SOLLARS, SCOTT A., US
[72] GORMAN, JOSEPH W., US
[72] STEFFEN, MICHAEL W., II, US
[72] SWIDERSKI, FRANK J., US
[73] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
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[54] **UNIVERSAL DOGGING AND ELECTRONIC LATCH RETRACTION**
[54] **VERROUILLAGE UNIVERSEL ET RETRACTION DE VERROU ELECTRONIQUE**
[72] BOGDANOV, VICTOR, US
[72] ALCALA ESCOBAR, LIZA, US
[72] ELLER, DARREN C., US
[73] SARGENT MANUFACTURING COMPANY, US
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[86] 2020-01-28 (PCT/US2020/015339)
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[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING CARBON NANOFIBERS FROM LIGHT HYDROCARBONS**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE NANOFIBRES DE CARBONE A PARTIR D'HYDROCARBURES LEGERS**
[72] ZARABIAN, MINA, CA
[72] PEREIRA ALMAO, PEDRO, CA
[73] CARBONOVA CORP., CA
[85] 2021-07-23
[86] 2020-01-28 (PCT/CA2020/050097)
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[54] **PRODUCT-BASED FARE CAPPING**
[54] **LIMITE DE DROITS DE TRANSPORT EN FONCTION DU PRODUIT**
[72] SCHRAUTH, STEPHANIE, US
[72] IHM, NICHOLAS, US
[72] ARORA, VISHAL, US
[72] YARANAL, SHASHIDHAR, US
[72] ROY, RAM, US
[72] MAHANSARIA, JYOTI, US
[72] BASU, SUMIT, US
[72] COSTA, ANDREA, US
[72] LEE, CHRISTINA, US
[73] BYTEMARK INC., US
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[54] **MACROLIDES AND METHODS OF THEIR PREPARATION AND USE**
[54] **MACROLIDES ET METHODES DE PREPARATION ET D'UTILISATION CONNEXES**
[72] MYERS, ANDREW G., US
[72] SEIPLE, IAN BASS, US
[72] ZHANG, ZIYANG, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[86] (3130061)
[87] (3130061)
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[54] **ELECTRONIC LOCK**
[54] **VERROU ELECTRONIQUE**
[72] BARNETT III, STREET ANTHONY, US
[72] ALLEN, BRENDON, US
[72] SNODGRASS, JOHN ANDREW, US
[72] STRULLMYER, SHAINE, US
[73] DORMAKABA USA INC., US
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[51] **Int.Cl. A61K 31/4535 (2006.01) A61K 9/72 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01)**
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[54] **METHODS OF TREATMENT OF RESPIRATORY DISORDERS**
[54] **METHODES DE TRAITEMENT D'AFFECTIONS RESPIRATOIRES**
[72] ABERG, A. K. GUNNAR, US
[72] CIOFALO, VINCENT B., US
[72] PUCAJ, KRESIMIR, HR
[73] BRIDGE PHARMA, INC., US
[85] 2021-08-20
[86] 2020-02-14 (PCT/US2020/018205)
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[30] US (62/809,212) 2019-02-22
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[51] **Int.Cl. G01R 33/46 (2006.01) G01R 33/44 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR DETERMINING A NUCLEAR MAGNETIC RESONANCE RELAXATION TIME AND/OR A NUCLEAR MAGNETIC RESONANCE SPECTRUM OF A PROBE**
[54] **TECHNIQUES POUR DETERMINER UN TEMPS DE RELAXATION DE RESONANCE MAGNETIQUE NUCLEAIRE ET/OU UN SPECTRE DE RESONANCE MAGNETIQUE NUCLEAIRE D'UNE SONDE**
[72] PEREPUKHOV, ALEKSANDR, CH
[72] LESOVIK, GORDEY, CH
[72] LEBEDEV, ANDREY, CH
[73] TERRA QUANTUM AG, CH
[86] (3132543)
[87] (3132543)
[22] 2021-09-29
[30] EP (20199026.4) 2020-09-29

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[54] **UTERINE MANIPULATOR**
[54] **MANIPULATEUR UTERIN**
[72] FITZGERALD, RACHELLE D., US
[72] HOLBROOKS, ASHLEY, US
[72] YANTSIDES, CHRISTOPHER, US
[72] HUGHES, DAVID, US
[72] ALI, IRTIZA, US
[72] WU, XIAO, US
[73] CONMED CORPORATION, US
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[25] EN
[54] **DEVICE FOR SHARPENING AND CLEANING A SHAVING DEVICE WITH A RAZOR BLADE MOUNTED IN A RAZOR BLADE UNIT**
[54] **DISPOSITIF POUR AIGUISER ET NETTOYER UN APPAREIL A RASER AYANT DES LAMES DE RASOIR LOGEES DANS UNE UNITE DE LAMES DE RASOIR**
[72] REISBECK, TILMAN, DE
[73] REISBECK, TILMAN, DE
[85] 2021-09-10
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[54] **METHOD FOR PRODUCING A MULTILAYERED COMPOSITE FILM, MULTILAYERED COMPOSITE FILM AND USE THEREOF**
[54] **PROCEDE DE FABRICATION D'UNE FEUILLE COMPOSITE MULTICOUCHE, FEUILLE COMPOSITE MULTICOUCHE ET SON UTILISATION**
[72] SCHIFFMANN, JURGEN MICHAEL, DE
[73] KUHNE ANLAGENBAU GMBH, DE
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[54] **METHOD FOR PRODUCING LOW-SULFUR COAL**
[54] **PROCEDE DE PRODUCTION DE CHARBON A FAIBLE TENEUR EN SOUFRE**
[72] MURAI, RYOTA, JP
[72] SUMI, IKUHIRO, JP
[72] SUGAWARA, KATSUYASU, JP
[72] KATO, TAKAHIRO, JP
[73] JFE STEEL CORPORATION, JP
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[54] **RECIPROCATING PREHEATING SYSTEM, METHOD, AND APPARATUS**
[54] **SYSTEME, METHODE ET APPAREIL DE PRECHAUFFAGE RECIPROQUE**
[72] HOEGER, MICHAEL V., US
[73] ILLINOIS TOOL WORKS INC., US
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[54] **TOPSIDE INTERROGATION FOR DISTRIBUTED ACOUSTIC SENSING OF SUBSEA WELLS**
[54] **INTERROGATION DE SURFACE POUR DETECTION ACOUSTIQUE DISTRIBUEE DE PUITS SOUS-MARINS**
[72] ELLMAUTHALER, ANDREAS, US
[72] MAIDA, JOHN L., JR., US
[72] BUSH, IRA JEFFREY, US
[72] LEBLANC, MICHEL JOSEPH, US
[72] WILSON, GLENN ANDREW, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **TECHNOLOGIES FOR ACTIVITY MONITORING OF TRANSPORTATION NETWORK COMPANIES WITHIN A GEOFENCE**
[54] **TECHNOLOGIES DE SURVEILLANCE DES ACTIVITES D'ENTREPRISES DE RESEAUX DE TRANSPORT DANS UN PERIMETRE VIRTUEL**
[72] FINLEY, JONATHAN D., US
[73] GATEKEEPER SYSTEMS, INC., US
[86] (3135260)
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[54] **ACTUATOR FAILURE DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE DEFAILLANCE D'ACTIONNEUR**
[72] LOMBARDO, DAVID, US
[72] PRASETIAWAN, EKO, US
[72] BAFILE, LOUIS, US
[73] OSHKOSH CORPORATION, US
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[54] **SYSTEM AND METHOD FOR DOSING VAPORIZER JOURNALING ADAPTER**
[54] **SYSTEME ET METHODE POUR DOSER L'ADAPTATEUR DE JOURNALISATION DU VAPORISATEUR**
[72] WOODBINE, JOHN JESSE, US
[72] SCHNURRENBERGER, MAX J., US
[72] CALFEE, PETER WILLIAM, US
[73] KAIVAL LABS, INC., US
[85] 2021-10-27
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[54] **SYSTEM FOR STERILIZING STERILIZATION UNITS AND METHOD FOR OPERATING SUCH A SYSTEM**
[54] **INSTALLATION PERMETTANT DE STERILISER DES UNITES DE STERILISATION ET PROCEDE PERMETTANT DE FAIRE FONCTIONNER UNE TELLE INSTALLATION**
[72] SIEGELIN, STEFFEN, DE
[72] BIEBER, OSWALD, DE
[72] JANDL, JOHANNES, DE
[73] FRAMATOME GMBH, DE
[73] BBF STERILISATIONSSERVICE GMBH, DE
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[54] **ANTI-HYPERTENSIVE AND CHOLESTEROL-LOWERING FIXED-DOSE COMBINATION AND METHOD OF MANUFACTURE**
[54] **COMBINAISON A DOSES FIXES D'UN ANTIHYPERTENSEUR ET D'UN HYPOCHOLESTEROLEMIANT, ET PROCEDE DE FABRICATION**
[72] STIMITS, ROY A., US
[72] GREGORY JR., DANIEL TYREE, US
[72] WHITTINGHAM, WAYNE L., US
[72] GLENN, STEPHAN DALE, US
[72] HAUSE, DAVID P., US
[73] CARDIOPHARMA, INC., US
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[54] **INTEGRATED SWITCHGEAR ASSEMBLY**
[54] **ENSEMBLE APPAREILLAGE DE COMMUTATION INTEGRE**
[72] NAULT, BRIAN STEPHEN, US
[72] MAREC, VINCENT, US
[72] ACHE, JANET, US
[72] KERR, BLAIR S., US
[72] DAUKSAS, ARTURAS, US
[73] G & W ELECTRIC COMPANY, US
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[54] **SYSTEM AND METHOD FOR DOWNLINK CONTROL SIGNALING**
[54] **SYSTEME ET PROCEDE POUR UNE SIGNALISATION DE COMMANDE DE LIAISON DESCENDANTE**
[72] GUO, QIUJIN, CN
[72] MA, XIAOYING, CN
[72] CHEN, MENGZHU, CN
[72] XU, JUN, CN
[73] ZTE CORPORATION, CN
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[54] **ATOMIZER AND ELECTRONIC CIGARETTE COMPRISING THE SAME**
[54] **PULVERISATEUR ET CIGARETTE ELECTRONIQUE LE COMPRENANT**
[72] LIU, TUANFANG, CN
[73] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[86] (3138495)
[87] (3138495)
[22] 2021-11-10
[30] CN (202110531210.3) 2021-05-16
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[54] **FUNNEL**
[54] **ENTONNOIR**
[72] EL-ZABET, OMEED, CA
[73] EL-ZABET, OMEED, CA
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[54] **BAMBOO STRAW MACHINING METHOD**
[54] **METHODE D'USINAGE DE PAILLES DE BAMBOU**
[72] LIAN, JIANCHANG, CN
[72] FENG, LEI, CN
[73] LONG BAMBOO TECHNOLOGY GROUP CO., LTD., CN
[85] 2021-11-22
[86] 2021-02-20 (PCT/CN2021/076968)
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[54] **ATOMIZER COMPRISING CONCENTRIC GLASS TUBES AND HEATING DISC**
[54] **PULVERISATEUR COMPRENANT DES TUBES DE VERRE CONCENTRIQUES ET DISQUE DE CHAUFFAGE**
[72] LIU, TUANFANG, CN
[73] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[86] (3139251)
[87] (3139251)
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[54] **DEFLECTEUR POUR VEHICULE**
[72] MAYNES, SPENCER WHEATLEY, US
[72] KENNEDY, WAYNE, US
[72] HANSEN, REN, US
[72] GOLSCH, KEVIN ANTHONY, US
[73] DEFLECT LLC, US
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[25] EN
[54] **LOCKING DEVICE FOR A SAFETY BAR, PASSENGER ACCOMMODATION AND AMUSEMENT RIDE HAVING A LOCKING DEVICE OF THIS KIND**
[54] **DISPOSITIF DE VERROUILLAGE D'UN ETRIER DE SECURITE, PRISE EN CHARGE DE PASSAGERS ET MANEGE D'ATTRACTION POURVU D'UN TEL DISPOSITIF DE VERROUILLAGE**
[72] WIEBECK, DIRK, DE
[72] KRAUS, MICHAEL, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2021-11-08
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[54] **AIRBORNE TOPO-BATHY LIDAR SYSTEM AND METHODS THEREOF**
[54] **SYSTEMES LIDAR TOPOGRAPHIQUES ET BATHYMETRIQUES AEROPORTES ET PROCEDES ASSOCIES**
[72] HOPPER, NATHAN LEE, US
[72] SEPPI, JOSEPH R., US
[72] FAULKNER, RODNEY ROSS, II, US
[72] SMITS, MARK DOUGLAS, II, US
[72] PARK, JOONGYONG, US
[72] MILLMAN, MARK STEPHEN, US
[72] CAHOON, ERIC JOSEF, US
[72] COTTON, CHRISTOPHER T., US
[72] GLUCKMAN, JOSHUA, US
[72] HALTERMAN, ALEXANDER CHEFF, US
[72] TUELL, GRADY, US
[72] STARK, ANDREW WALLACE, US
[72] GERHARD, JOHN HENRY, US
[72] LILLYCROP, WILLIAM JEFFREY, US
[73] WOOLPERT, INC., US
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[54] **SYSTEME D'ENGAGEMENT DIRECT DE VEHICULE**
[72] CHASE, ARNOLD, US
[73] CHASE, ARNOLD, US
[85] 2021-11-15
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[54] **ARBRE DE NOEL MODULAIRE**
[72] MARCHANT, MICHAEL JAMES, GB
[73] SCALABLE DESIGNS LIMITED, GB
[85] 2021-11-18
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[25] EN
[54] **LINER HANGER WITH A TEST PACKER FOR WELLBORE OPERATIONS**
[54] **DISPOSITIF DE SUSPENSION DE COLONNE PERDUE AVEC GARNITURE D'ETANCHEITE D'ESSAI POUR OPERATIONS DE PUITS DE FORAGE**
[72] PACE, ALAN, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **METHOD FOR ENCRYPTING AND STORING SYSTEM FILES AND ASSOCIATED ENCRYPTION AND STORAGE DEVICE**
[54] **PROCEDE DE CHIFFREMENT ET DE STOCKAGE DE FICHIERS INFORMATIQUES ET DISPOSITIF DE CHIFFREMENT ET DE STOCKAGE ASSOCIE.**
[72] LE ROUX, SYLVAIN, FR
[72] DIONISI, FLORENT, FR
[73] SAGEMCOM BROADBAND SAS, FR
[86] (3142763)
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[54] **FORMULATIONS OF DIHYDROMYRICETIN AND A PERMEABILIZER**
[54] **FORMULATIONS DE DIHYDROMYRICETINE ET D'UN AGENT DE PERMEABILISATION**
[72] PRUD'HOMME, ROBERT K., US
[72] CAGGIANO, NICHOLAS, US
[72] TIAN, CHANG, US
[72] POWELL, BROOKS, US
[73] CHEERS HEALTH INC., US
[73] THE TRUSTEES OF PRINCETON UNIVERSITY, US
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[54] **DISTRIBUTED TRAFFIC MANAGEMENT SYSTEM WITH DYNAMIC END-TO-END ROUTING**
[54] **SYSTEME DE GESTION DE TRAFIC DISTRIBUE A ROUTAGE DYNAMIQUE DE BOUT EN BOUT**
[72] FAROOQ, BILAL, CA
[72] DJAVADIAN, SHADI, CA
[73] FAROOQ, BILAL, CA
[73] DJAVADIAN, SHADI, CA
[85] 2021-12-10
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[25] EN
[54] **VOLATILE CONTENT MEASUREMENT IN PROCESS STREAMS SUCH AS FROTH TREATMENT TAILINGS**
[54] **MESURE DE LA TENEUR EN SUBSTANCES VOLATILES DANS LES FLUX DE TRAITEMENT, COMME LES RESIDUS DE TRAITEMENT D'ECUME**
[72] DERAKHSHANDEH, BABAK, CA
[72] HOLLANDER, ELCO, CA
[72] LABORDE-BOUTET, CEDRIC, CA
[72] BROWN, WAYNE, CA
[72] MCCAFFREY, WILLIAM, CA
[73] SUNCOR ENERGY INC., CA
[86] (3143681)
[87] (3143681)
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[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING PATTERN OF INHERITANCE IN EMBRYOS**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE MOTIF D'HEREDITE DANS DES EMBRYONS**
[72] BURKE, JOHN, US
[72] RHEES, BRIAN, US
[72] BLAZEK, JOSHUA DAVID, US
[72] LARGE, MICHAEL JON, US
[73] COOPERSURGICAL, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR CLEANING A TUBE BUNDLE OF A HEAT EXCHANGER CORE**
[54] **SYSTEME ET PROCEDE DE NETTOYAGE D'UN FAISCEAU TUBULAIRE D'UN ECHANGEUR DE CHALEUR**
[72] SUMSION, DEREK, GB
[72] WATSON, MICHAEL, GB
[72] CAMP, JON, GB
[73] TUBE TECH INDUSTRIAL LIMITED, GB
[85] 2022-01-13
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[25] EN
[54] **DATA FORWARDING IN A CONTENT DELIVERY NETWORK**
[54] **TRANSMISSION DE DONNEES DANS UN RESEAU DE DISTRIBUTION DE CONTENU**
[72] HASSLER, GAREY, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (3144009)
[87] (3144009)
[22] 2021-12-24
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[51] **Int.Cl. C01B 33/26 (2006.01) C04B 7/02 (2006.01) C04B 14/10 (2006.01) C04B 28/04 (2006.01) C04B 35/19 (2006.01) C22B 3/06 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **ALUMINOSILICATES, RELATED PROCESSES AND USES THEREOF AS SUPPLEMENTARY CEMENTING MATERIALS**
[54] **ALUMINOSILICATES, PROCEDES ASSOCIES ET LEURS UTILISATIONS EN TANT QUE MATERIAUX DE CIMENTATION SUPPLEMENTAIRES**
[72] MAGNAN, JEAN-FRANCOIS, CA
[72] ALLEN, DAVID-NICOLAS, CA
[73] NEMASKA LITHIUM INC., CA
[85] 2022-01-17
[86] 2019-11-27 (PCT/CA2019/051697)
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[54] **ATTACHE DE REMORQUAGE POUR UN VEHICULE AGRICOLE**
[72] JAEGER, LUKE, US
[72] MOORE, KYLE, US
[73] SWIVEL KING, LLC, US
[86] (3145131)
[87] (3145131)
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[30] US (17/356,928) 2021-06-24

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[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET**
[54] **TOLE D'ACIER ELECTRIQUE A GRAINS ORIENTES**
[72] ICHIHARA, YOSHIHISA, JP
[72] OMURA, TAKESHI, JP
[72] INOUE, HIROTAKA, JP
[72] TAKAJO, SHIGEHIRO, JP
[72] ODACHI, MASANORI, JP
[72] SENDA, KUNIHIRO, JP
[73] JFE STEEL CORPORATION, JP
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[86] 2020-07-03 (PCT/JP2020/026181)
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[30] JP (2019-140966) 2019-07-31

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[54] **ROD LOCK OUT CLAMP**
[54] **PINCE DE VERROUILLAGE A TIGE**
[72] SENGER, ROSS WILLARD, CA
[73] OIL LIFT TECHNOLOGY INC., CA
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[87] (3145489)
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[54] **METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING RADIO SIGNALS IN A WIRELESS COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION D'UN SIGNAL SANS FIL DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] YANG, SUCKCHEL, KR
[72] KIM, KIJUN, KR
[72] KIM, SEONWOOK, KR
[72] PARK, CHANGHWAN, KR
[72] AHN, JOONKUI, KR
[72] PARK, HANJUN, KR
[72] HWANG, SEUNGGYE, KR
[73] LG ELECTRONICS INC., KR
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[87] (3146623)
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[25] EN
[54] **OIL SOLUBLE MOLYBDENUM COMPLEXES FOR INHIBITING HIGH TEMPERATURE CORROSION AND RELATED APPLICATIONS IN PETROLEUM REFINERIES**
[54] **COMPLEXES DE MOLYBDENE SOLUBLES DANS L'HUILE POUR INHIBER LA CORROSION A HAUTE TEMPERATURE ET UTILISATIONS ASSOCIEES DANS DES RAFFINERIES DE PETROLE**
[72] ZENASNI, OUSSAMA, US
[72] PENNINGTON, JANELLE, US
[72] COLORADO, RAMON, JR., US
[72] THORNTHWAITE, PHILIP ANDREW, GB
[73] ECOLAB USA INC., US
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[25] EN
[54] **COLOR CHANGING DETERGENT COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DETERGENTES A CHANGEMENT DE COULEUR ET PROCEDES D'UTILISATION**
[72] SILVERNAIL, CARTER M., US
[72] WALTERS, KERRIE E., US
[73] ECOLAB USA INC., US
[85] 2022-01-24
[86] 2020-09-23 (PCT/US2020/052193)
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[54] **HYDROPHOBIC MELAMINE CONTAINING AQUEOUS COATING COMPOSITIONS**
[54] **MELAMINE HYDROPHOBE CONTENANT DES COMPOSITIONS DE REVETEMENT AQUEUX**
[72] KUBO, YOSHITAKA, JP
[72] MIZUTANI, YUSUKE, JP
[72] INAGAKI, TAKUYA, JP
[72] YOKOTA, GEN, JP
[73] KANSAI PAINT CO., LTD., JP
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[54] **NEST BOX SYSTEM WITH MOVABLE NEST FLOOR**
[54] **SYSTEME DE NICHOIR AYANT UN PLANCHER DE NID MOBILE**
[72] KAISER, BEN, CA
[72] LANGE, GUS, CA
[72] KAISER, MARTIN, CA
[72] FIORINI, ENZO, CA
[73] KAISER IP CORP., CA
[86] (3149241)
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[54] **DETECTION METHOD FOR GOLF CLUB AND SENSING APPARATUS USING THE SAME**
[54] **PROCEDE DE DETECTION POUR CLUB DE GOLF ET APPAREIL DE DETECTION L'UTILISANT**
[72] PARK, HYUN JIN, KR
[73] GOLFZON CO., LTD., KR
[85] 2022-01-28
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[54] **BIRD-FRIENDLY, THERMALLY-INSULATING GLASS AND METHOD FOR MAKING THE SAME**
[54] **VERRE A ISOLATION THERMIQUE UTILE POUR LES OISEAUX ET METHODE DE FABRICATION**
[72] LANGLAIS, RICHARD, CA
[73] PRELCO INC., CA
[86] (3149490)
[87] (3149490)
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[25] EN
[54] **CARBOPLATIN COMPLEX AND PHARMACEUTICAL PREPARATION THEREOF**
[54] **COMPLEXE DE CARBOPLATINE ET SA PREPARATION PHARMACEUTIQUE**
[72] ZHENG, JIANQIANG, CN
[73] ADVANCHL BIOTECHNOLOGY SERVICE CENTER (SHANGHAI), CN
[85] 2022-02-25
[86] 2020-08-26 (PCT/CN2020/111393)
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[54] **PALLET FORK AND CARRYING ROBOT**
[54] **FOURCHE DE PALETTE ET ROBOT DE TRANSPORT**
[72] ZHAN, QINGXIN, CN
[73] HAI ROBOTICS CO., LTD., CN
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[54] **HORIZONTAL BALANCED GUIDED VALVE**
[54] **SOUPAPE GUIDEE EQUILIBREE HORIZONTALE**
[72] GILLISPIE, ARIC MARTIN, US
[72] OLIS, JAMES ALAN, US
[72] STRIBLING, DAVID MARK, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **HEATING ASSEMBLY**
[54] **ASSEMBLAGE DE CHAUFFAGE**
[72] LIU, TUANFANG, CN
[73] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[86] (3150569)
[87] (3150569)
[22] 2022-03-01
[30] CN (202110942644.2) 2021-08-17
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[25] EN
[54] **TRANSLATION ENHANCER, TEMPLATE NUCLEIC ACID, PRODUCTION METHOD OF TRANSLATION, AND PRODUCTION METHOD OF PROTEIN**
[54] **AMELIORATEUR DE TRANSLATION, ACIDE NUCLEIQUE MODELE, METHODE DE PRODUCTION DE TRANSLATION ET METHODE DE PRODUCTION DE PROTEINE**
[72] TADA, HIROAKI, JP
[72] MINAMI, MASATAKA, JP
[73] NUPROTEIN CO., LTD., JP
[85] 2022-02-10
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[54] **SECURE ASSEMBLY FOR COUPLING A TOOL TO A WORK ARM OF AN IMPROVED FUNCTIONING PUBLIC WORKS MACHINE**
[54] **ENSEMBLE DE COUPLAGE SECURISE D'UN OUTIL SUR UN BRAS DE TRAVAIL D'UN ENGIN DE TRAVAUX PUBLICS A FONCTIONNEMENT AMELIORE**
[72] CINQUIN, DIDIER, FR
[72] RATNIK, REMI, FR
[72] SIEFFERT, RENE, FR
[73] ACB PUME, FR
[86] (3150811)
[87] (3150811)
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[54] **MODEL BUILDING ARCHITECTURE AND SMART ROUTING OF WORK ITEMS**
[54] **ARCHITECTURE DE BATIMENT MODELE ET ACHEMINEMENT INTELLIGENT D'ELEMENTS DE TRAVAIL**
[72] JAYARAMAN, BASKAR, US
[72] CHATTERJEE, DEBASHSISH, US
[72] GOVINDARAJAN, KANNAN, US
[72] THAKUR, ANIRUDDHA, US
[73] SERVICENOW, INC., US
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[87] (3151312)
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[54] **ALUMINUM FLAT ROLLED PRODUCTS WITH HIGH RECYCLED CONTENT FOR LIGHT GAUGE PACKAGING SOLUTIONS AND RELATED METHODS**
[54] **PRODUITS LAMINES A PLAT D'ALUMINIUM A HAUTE TENEUR EN MATERIAUX RECYCLES POUR SOLUTIONS DE CONDITIONNEMENT A FAIBLE EPAISSEUR ET PROCEDES ASSOCIES**
[72] FRANK, MARTIN, US
[72] KNECHTEL, MICHAEL, US
[72] BOTTENHEFT, MARTIN, US
[72] LENZEN, PATRICK, US
[72] GAUDIN, SERGE, US
[72] KAMP, NICOLAS C., US
[72] JOHNSON, KEVIN MARK, US
[72] DORAN, ANDY, US
[72] NEUMANN, PATRICK, US
[73] NOVELIS INC., US
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[87] (WO2021/067695)
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[25] EN
[54] **USE OF PRIDOPIDINE FOR TREATING FUNCTIONAL DECLINE**
[54] **UTILISATION DE LA PRIDOPIDINE POUR LE TRAITEMENT DU DECLIN FONCTIONNEL**
[72] HAYDEN, MICHAEL, IL
[72] PAPAPETROPOULOS, SPYRIDON, US
[72] SAVOLA, JUHA-MATTI, CH
[72] EYAL, ELI, IL
[72] BOROWSKY, BETH, US
[72] GRACHEV, IGOR D., US
[73] PRILENIA NEUROTHERAPEUTICS LTD., IL
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[87] (3151507)
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[25] EN
[54] **AN ELECTRIC POLE PRUNER**
[54] **ELAGUEUR ELECTRIQUE SUR PERCHE**
[72] LINDEN, OLAVI, FI
[72] LINDEN, JAN, FI
[73] FISKARS FINLAND OY AB, FI
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[54] **VIRTUAL FITTING SYSTEMS AND METHODS FOR SPECTACLES**
[54] **SYSTEMES ET PROCEDES D'ESSAYAGE VIRTUEL POUR LUNETTES**
[72] GOLDBERG, DAVID HOWARD, US
[72] ZACHRITZ, HANNAH, US
[72] DUFFY, TAYLOR ALEXANDRA, US
[72] LAUNDY, SASHA, US
[73] WARBY PARKER INC., US
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[54] **SYSTEMS AND METHODS FOR ASSESSING PULMONARY GAS TRANSFER USING HYPERPOLARIZED 129XE MRI**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'EVALUER LE TRANSFERT GAZEUX PULMONAIRE PAR IRM AVEC DU 129XE HYPERPOLARISE**
[72] DRIEHUYS, BASTIAAN, US
[72] COFER, GARY PRICE, US
[73] DUKE UNIVERSITY, US
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[87] (3152286)
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[25] EN
[54] **SYSTEMS AND METHODS FOR OPTIMIZING WAVEFORM CAPTURE COMPRESSION AND CHARACTERIZATION**
[54] **SYSTEMES ET METHODES D'OPTIMISATION DE LA COMPRESSION ET DE LA CARACTERISATION DES CAPTURES DE FORME D'ONDE**
[72] BICKEL, JON A., US
[72] PELTIER, COLTON THOMAS, US
[73] SCHNEIDER ELECTRIC USA, INC., US
[86] (3152726)
[87] (3152726)
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[30] US (63/162,321) 2021-03-17
[30] US (63/170,393) 2021-04-02
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[54] **AIR SEEDER METER WITH AIR PURGE**
[54] **ROULEAU-DOSEUR DE SEMOIR PNEUMATIQUE AVEC VIDANGE D'AIR**
[72] PEUTERT, CHANCE, CA
[72] PETRUIC, MATTHEW, CA
[72] VENNARD, GREG, CA
[72] BEAUJOT, NORBERT, CA
[73] SEEDMASTER MANUFACTURING LTD., CA
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[87] (3152768)
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[51] **Int.Cl. B63B 34/26 (2020.01) B63B 43/14 (2006.01)**
[25] FR
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[54] **SYSTEME DE STABILISATION D'APPOINT POUR KAYAK**
[72] LAGARDE, PATRICK, CA
[73] LAGARDE, PATRICK, CA
[86] (3153821)
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[25] EN
[54] **WATER-COOLED PUMP ASSEMBLY FOR BATHING UNIT SYSTEM AND PUMP ASSEMBLY FOR BATHING UNIT SYSTEM WITH MOUNTING BRACKETS**
[54] **ASSEMBLAGE DE POMPE REFROIDIE A L'EAU POUR UN SYSTEME D'UNITE DE BAIN ET ASSEMBLAGE DE POMPE POUR UN SYSTEME D'UNITE DE BAIN AVEC SUPPORTS DE MONTAGE**
[72] PELLETIER, MARTIN, CA
[72] LAFLAMME, BENOIT, CA
[72] LESSARD, PHILIPPE, CA
[73] GROUPE GECKO ALLIANCE INC., CA
[86] (3154402)
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[54] **INTERACTIVE MACHINE LEARNING**
[54] **APPRENTISSAGE AUTOMATIQUE INTERACTIF**
[72] AMLEKAR, ISHAN, CA
[72] BISSON-KROL, CHANTAL, CA
[72] LIN, ZHEN, CA
[72] NOURASHRAFEDDIN, SEYEDNASER, CA
[72] OUELLET, SEBASTIEN, CA
[72] SHEN, KEVIN, CA
[73] KINAXIS INC., CA
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[30] US (62/915,076) 2019-10-15
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[51] **Int.Cl. H01Q 1/24 (2006.01)**
[25] EN
[54] **ANTENNA ASSEMBLY AND ELECTRONIC DEVICE WITH ROLLABLE DISPLAY**
[54] **ENSEMBLE ANTENNE ET DISPOSITIF ELECTRONIQUE COMPORTANT UN ECRAN DE PRISE**
[72] MA, GUOZHONG, CN
[72] LI, JINLEI, CN
[72] CHEN, HAO, CN
[72] ZHONG, DING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **METHOD FOR UPGRADING BIO-BASED MATERIAL AND UPGRADED MATERIAL**
[54] **PROCEDE DE VALORISATION D'UN MATERIAU A BASE BIOLOGIQUE ET MATERIAU VALORISE**
[72] OJALA, ANTTI, FI
[72] MYLLYOJA, JUKKA, FI
[72] MAKKONEN, JAANA, FI
[72] VAN DE VELDE, ROGIER, FI
[72] JAMIESON, JOHN, FI
[73] NESTE OYJ, FI
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[87] (WO2021/110524)
[30] FI (20196063) 2019-12-06

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[25] EN
[54] **HOT WATER SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN EAU CHAUDE**
[72] UKIBUNE, MASANORI, JP
[72] OKAMOTO, ATSUSHI, JP
[72] SAKAGUCHI, HIDEHO, JP
[72] KOUNO, YASUHIRO, JP
[72] FANG, QI, JP
[73] DAIKIN INDUSTRIES, LTD., JP
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[25] EN
[54] **A PRESS HARDENING METHOD**
[54] **PROCEDE DE DURCISSEMENT A LA PRESSE**
[72] GRIGORIEVA, RAISA, FR
[72] DUMINICA, FLORIN, BE
[72] NABI, BRAHIM, BE
[72] DRILLET, PASCAL, FR
[72] STUREL, THIERRY, FR
[73] ARCELORMITTAL, LU
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[87] (WO2021/084376)
[30] IB (PCT/IB2019/059285) 2019-10-30

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[13] C
[51] **Int.Cl. G01C 11/00 (2006.01) G06T 7/70 (2017.01)**
[25] EN
[54] **METHOD AND DEVICE FOR GENERATING A PHOTOGRAMMETRIC CORRIDOR MAP FROM A SET OF IMAGES**
[54] **PROCEDE ET DISPOSITIF DE GENERATION DE CARTE DE COULOIR PHOTOGRAMMETRIQUE A PARTIR D'UN ENSEMBLE D'IMAGES**
[72] GLIRA, PHILIPP, AT
[72] HATZL, JURGEN, AT
[72] HORNACEK, MICHAEL, AT
[72] WAKOLBINGER, STEFAN, AT
[72] BIRCHBAUER, JOSEF ALOIS, AT
[72] WINDISCH, CLAUDIA, AT
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2022-03-31
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[30] EP (19201148.4) 2019-10-02

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[13] C
[51] **Int.Cl. B66D 3/02 (2006.01) B60P 7/08 (2006.01) B66D 3/14 (2006.01) F16G 11/12 (2006.01)**
[25] EN
[54] **RATCHET LOAD BINDER WITH TAMPER DETERRENCE FEATURES**
[54] **TENDEUR D'ARRIMAGE A ROCHET A CARACTERISTIQUES ANTIVOL**
[72] MOLLICK, PETER J., US
[73] MOLLICK, PETER J., US
[85] 2022-04-29
[86] 2020-10-27 (PCT/US2020/000042)
[87] (WO2021/086424)
[30] US (62/973,863) 2019-10-29

[11] **3,156,910**
[13] C
[51] **Int.Cl. A62C 3/08 (2006.01) A62C 37/10 (2006.01)**
[25] EN
[54] **FIRE SUPPRESSION FLOW CONTROL SYSTEM APPARATUS AND SYSTEM**
[54] **APPAREIL DE SYSTEME DE COMMANDE DE DEBIT POUR EXTINCTION D'INCENDIE ET SYSTEME ASSOCIE**
[72] HAGGE, HARLAN, US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (3156910)
[87] (3156910)
[22] 2015-03-16
[62] 2,885,112
[30] US (14/254,646) 2014-04-16

[11] **3,157,005**
[13] C
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/40 (2020.01)**
[25] EN
[54] **HEATED TOBACCO PRODUCT**
[54] **PRODUIT DE TABAC CHAUFFE**
[72] LIU, TUANFANG, CN
[73] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
[86] (3157005)
[87] (3157005)
[22] 2022-04-29
[30] CN (202111278685.2) 2021-10-31
[30] CN (202122632718.0) 2021-10-31

[11] **3,157,114**
[13] C
[51] **Int.Cl. F04D 29/28 (2006.01) F04D 29/42 (2006.01) F24C 15/20 (2006.01)**
[25] EN
[54] **RANGE HOOD**
[54] **HOTTE ASPIRANTE**
[72] JIANG, YI, CN
[72] XU, ZHINENG, CN
[72] LEI, GAI, CN
[72] SHI, LEI, CN
[72] GOU, WENBO, CN
[73] NINGBO FOTILE KITCHEN WARE CO., LTD., CN
[85] 2022-05-03
[86] 2020-10-30 (PCT/CN2020/125217)
[87] (WO2022/082847)
[30] CN (202011124142.0) 2020-10-20

[11] **3,157,116**
[13] C
[51] **Int.Cl. B25J 15/06 (2006.01) B25J 15/00 (2006.01) B65G 47/91 (2006.01)**
[25] EN
[54] **A SUCTION GRIPPER CLUSTER DEVICE FOR MATERIAL SORTING AND OTHER APPLICATIONS**
[54] **DISPOSITIF DE GROUPE DE PINCES A VENTOUSE POUR LE TRI DE MATERIAU ET D'AUTRES APPLICATIONS**
[72] MCCOY, JOHN C., JR., US
[72] BAILEY, JAMES A., US
[72] SCHULTZ, CARTER J., US
[72] HOROWITZ, MATANYA B., US
[72] BAYBUTT, MARK, US
[72] DOUGLAS, CAMERON D., US
[73] AMP ROBOTICS CORPORATION, US
[85] 2022-04-05
[86] 2020-12-15 (PCT/US2020/065154)
[87] (WO2021/126879)
[30] US (62/948,397) 2019-12-16

[11] **3,157,347**
[13] C
[51] **Int.Cl. C10B 1/04 (2006.01) C10B 53/00 (2006.01)**
[25] EN
[54] **DEVICE FOR THERMAL-CATALYTIC DECOMPOSITION - PYROLYSIS OF ORGANIC WASTE MATERIALS**
[54] **DISPOSITIF DE DECOMPOSITION PAR PYROLYSE THERMIQUE-CATALYTIQUE DE DECHETS ORGANIQUES**
[72] SILHAN, DAVID, CZ
[73] AIKONA DNS A.S., CZ
[85] 2022-04-07
[86] 2020-10-16 (PCT/IB2020/059752)
[87] (WO2021/074872)
[30] CZ (PV 2019-645) 2019-10-17

[11] **3,157,424**
[13] C
[51] **Int.Cl. C21D 8/12 (2006.01) H01F 1/147 (2006.01) H01F 27/245 (2006.01)**
[25] EN
[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND METHOD OF MANUFACTURING SAME**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS ORIENTES ET PROCEDE DE FABRICATION A CET EFFET**
[72] ICHIHARA, YOSHIHISA, JP
[72] OMURA, TAKESHI, JP
[72] SENDA, KUNIHIRO, JP
[73] JFE STEEL CORPORATION, JP
[85] 2022-05-05
[86] 2020-12-23 (PCT/JP2020/048253)
[87] (WO2021/132378)
[30] JP (2019-233922) 2019-12-25

[11] **3,157,540**
[13] C
[51] **Int.Cl. C07H 15/203 (2006.01) C07H 15/20 (2006.01) C12Q 1/34 (2006.01) C12Q 1/44 (2006.01)**
[25] EN
[54] **REAGENTS AND METHODS FOR SCREENING MPS I, II, IIIA, IIIB, IVA, VI, AND VII**
[54] **REACTIFS ET PROCEDES DE CRIBLAGE MPS I, II, IIIA, IIIB, IVA, VI, ET VII**
[72] GELB, MICHAEL H., US
[72] KUMAR, ARUN BABU, US
[72] HOCUTT, FRANCES, US
[72] SPACIL, ZDENEK, US
[72] BARCENAS RODRIGUEZ, MARIANA NATALI, US
[72] TURECEK, FRANTISEK, US
[72] SCOTT, RONALD C., US
[73] UNIVERSITY OF WASHINGTON THROUGH ITS CENTER FOR COMMERCIALIZATION, US
[86] (3157540)
[87] (3157540)
[22] 2014-09-05
[62] 2,922,249
[30] US (61/874,331) 2013-09-05
[30] US (61/874,293) 2013-09-05
[30] US (61/960,113) 2013-09-09
[30] US (61/960,102) 2013-09-09
[30] US (61/949,970) 2014-03-07
[30] US (61/968,021) 2014-03-20
[30] US (62/012,020) 2014-06-13

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[13] C
[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/32 (2006.01) C04B 35/103 (2006.01) C04B 35/106 (2006.01)**
[25] EN
[54] **REFRACTORY PRODUCT**
[54] **MATERIAU REFRACTAIRE**
[72] TAKAMI, KOUHEI, JP
[72] MORIKAWA, KATSUMI, JP
[72] MATSUMOTO, SHIGEFUMI, JP
[73] KROSAKIHARIMA CORPORATION, JP
[85] 2022-05-13
[86] 2020-12-08 (PCT/JP2020/045737)
[87] (WO2021/117742)
[30] JP (2019-223106) 2019-12-10

[11] **3,159,248**
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[51] **Int.Cl. C07H 19/20 (2006.01) A61K 31/7064 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07H 19/067 (2006.01)**
[25] EN
[54] **CD73 INHIBITORS**
[54] **INHIBITEURS DE CD73**
[72] DU, XIAOHUI, US
[72] EKSTEROWICZ, JOHN, US
[72] FANTIN, VALERIA R., US
[72] SUN, DAQING, US
[72] YE, QIUPING, US
[72] MOORE, JARED, US
[72] ZAVOROTINSKAYA, TATIANA, US
[72] BLANK, BRIAN R., US
[72] REW, YOSUP, US
[72] WU, KEJIA, US
[72] ZHU, LIUSHENG, US
[72] PHAM, JOHNNY, US
[72] KAWAI, HIROYUKI, US
[72] YEH, CHIEN-HUNG, US
[73] ORIC PHARMACEUTICALS, INC., US
[85] 2022-04-27
[86] 2020-10-29 (PCT/US2020/057996)
[87] (WO2021/087136)
[30] US (62/928,138) 2019-10-30
[30] US (62/987,806) 2020-03-10
[30] US (63/088,646) 2020-10-07

[11] **3,159,428**
[13] C
[51] **Int.Cl. A61K 31/495 (2006.01) A61K 31/4412 (2006.01) A61K 31/713 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF COMPOSITION FOR ENHANCING ANTICANCER EFFECT, COMPRISING ERR.GAMMA. INHIBITOR AS ACTIVE INGREDIENT**
[54] **UTILISATION D'UNE COMPOSITION POUR AMELIORER L'EFFET ANTICANCEREUX, COMPRENANT UN INHIBITEUR DE ERR.GAMMA. COMME PRINCIPE ACTIF**
[72] PARK, KEUN GYU, KR
[72] LEE, IN KYU, KR
[72] CHO, SUNG JIN, KR
[72] CHOI, YEON KYUNG, KR
[72] KIM, MI JIN, KR
[72] CHIN, JUNG WOOK, KR
[72] JEON, YONG HYUN, KR
[72] KIM, JIN A, KR
[72] KIM, DONG SU, KR
[72] JUNG, HOE YUNE, KR
[73] NOVMETAPHARMA CO., LTD., KR
[85] 2022-05-25
[86] 2020-11-26 (PCT/KR2020/016976)
[87] (WO2021/107644)
[30] KR (10-2019-0152827) 2019-11-26

[11] **3,159,844**
[13] C
[51] **Int.Cl. C05F 5/00 (2006.01) C05G 3/70 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PATHOGEN MITIGATION IN ORGANIC MATERIALS**
[54] **PROCEDES ET SYSTEMES D'ATTENUATION D'AGENTS PATHOGENES DANS DES MATIERES ORGANIQUES**
[72] PARIS, WARREN CLARK, US
[72] BISWAS, RAJIB, US
[73] PLANT RESPONSE, INC., US
[85] 2022-05-27
[86] 2020-12-16 (PCT/US2020/065395)
[87] (WO2021/127034)
[30] US (62/949,232) 2019-12-17

[11] **3,160,344**
[13] C
[51] **Int.Cl. F16D 3/78 (2006.01) F16D 3/28 (2006.01) F16D 3/48 (2006.01)**
[25] EN
[54] **FLEXIBLE COUPLING**
[54] **RACCORD FLEXIBLE**
[72] CHASE, IAN THOMAS, GB
[72] GANATRA, ANIEL TOM, GB
[73] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[86] (3160344)
[87] (3160344)
[22] 2015-07-16
[62] 2,897,592
[30] GB (1414801.9) 2014-08-20

[11] **3,160,770**
[13] C
[51] **Int.Cl. C07D 201/02 (2006.01) C07D 207/12 (2006.01) C07D 223/10 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SYNTHESIS OF N-SUBSTITUTED LACTAMS AND AMIDES**
[54] **PROCEDE DE SYNTHESE D'AMIDES ET DE LACTAMES N-SUBSTITUES**
[72] ZHANG, XIAWEI, US
[72] SCHUTTER, JR. ROBERT, US
[72] TANG, LIHAO, US
[72] KEENAN, SCOTT, US
[72] LI, XIN, US
[73] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-06-03
[86] 2020-12-08 (PCT/US2020/063790)
[87] (WO2021/119004)
[30] US (62/946,591) 2019-12-11

[11] **3,160,935**
[13] C
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **PLOWING SYSTEM, VEHICLE PROVIDED WITH SUCH SYSTEM, KIT FOR ASSEMBLING THE SAME, AND CORRESPONDING METHODS OF MANUFACTURING, ASSEMBLING AND OPERATING ASSOCIATED THERETO**
[54] **SYSTEME DE DENEIGEMENT, VEHICULE COMPRENANT LE SYSTEME, TROUSSE D'ASSEMBLAGE, METHODES CORRESPONDANTES DE FABRICATION, ASSEMBLAGE ET EXPLOITATION**
[72] LESSARD, CHARLES, CA
[72] BISSONNETTE, JEAN-SEBASTIEN, CA
[72] SIMARD, ROBERT, CA
[72] CHAMPOUX-BOUCHARD, SIMON, CA
[72] BOURQUE, JEAN-PHILIPPE, CA
[72] ARCHAMBAULT, YVON, CA
[72] BOUCHARD, MATHIEU, CA
[73] TENCO INC., CA
[85] 2022-06-06
[86] 2022-02-09 (PCT/CA2022/050186)
[87] (WO2022/170427)
[30] CA (3108496) 2021-02-10

[11] **3,161,544**
[13] C
[51] **Int.Cl. A01K 61/00 (2017.01) A01K 63/00 (2017.01)**
[25] EN
[54] **NON-INVASIVE SELF-CLEANING SYSTEM AND METHOD THAT ALLOWS THE CONTINUOUS REMOVAL OF SOLID WASTE IN CULTURE PONDS FOR AQUACULTURE**
[54] **SYSTEME ET PROCEDE NON INVASIF DE NETTOYAGE AUTOMATIQUE QUI PERMET L'EXTRACTION CONTINUE DE RESIDUS SOLIDES DANS DES BASSINS D'ELEVAGE AQUACOLE**
[72] VENEGAS CABELLO, PABLO ARTURO, CL
[72] LLANCALEO SANCHEZ, KATHERINE ALEJANDRA, CL
[73] UNIVERSIDAD CATOLICA DE LA SANTISIMA CONCEPCION, CL
[85] 2022-06-10
[86] 2019-12-12 (PCT/IB2019/060712)
[87] (WO2021/116737)

[11] **3,161,821**
[13] C
[51] **Int.Cl. G06Q 30/0201 (2023.01) G06V 20/40 (2022.01) G10L 25/63 (2013.01) A61B 3/113 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **DETERMINING AN ACTION OF A CUSTOMER IN RELATION TO A PRODUCT**
[54] **DETERMINATION D'UNE ACTION D'UN CLIENT PAR RAPPORT A UN PRODUIT**
[72] TRUONG, ANH, US
[72] TAYLOR, KENNETH, US
[72] PHAM, VINCENT, US
[72] ABAD, FARDIN ABDI TAGHI, US
[72] GOODSITT, JEREMY, US
[72] WALTERS, AUSTIN, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3161821)
[87] (3161821)
[22] 2019-09-05
[62] 3,054,235
[30] US (16/125029) 2018-09-07

[11] **3,162,177**
[13] C
[51] **Int.Cl. H02J 3/38 (2006.01) G01R 19/25 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF DETECTING GRID ISLANDING**
[54] **PROCEDE ET APPAREIL DE DETECTION D'ILOTAGE DE RESEAU**
[72] PULIKANTI, SRIDHAR, NZ
[72] WALTON, SIMON, NZ
[72] TURNER, ROBERT, NZ
[72] ELLIOTT, NICHOLAS JAMES, NZ
[73] ABB SCHWEIZ AG, CH
[85] 2022-06-16
[86] 2019-12-27 (PCT/EP2019/087105)
[87] (WO2021/129944)

[11] **3,162,426**
[13] C
[51] **Int.Cl. B01J 2/30 (2006.01)**
[25] EN
[54] **ANTI-CAKING COMPOSITION OF SODIUM CHLORATE**
[54] **COMPOSITION ANTIMOTTANT DE CHLORATE DE SODIUM**
[72] LIF, JOHAN, NL
[72] HAGGSTROM, KIMONA, NL
[73] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[86] (3162426)
[87] (3162426)
[22] 2022-06-09
[30] EP (21180471.1) 2021-06-18

[11] **3,162,566**
[13] C
[51] **Int.Cl. F04D 27/00 (2006.01) F04D 17/12 (2006.01) F04D 25/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING A GAS FEED WITH A VARIABLE FLOW RATE**
[54] **METHODE ET APPAREIL POUR COMPRIMER UN FLUX DE GAZ A DEBIT VARIABLE**
[72] ESPIE, DAVID M., US
[72] HENZLER, GREGORY W., US
[72] ZHU, ZHONG-XIANG (JOHN), US
[72] WILSON, GRAEME RICHARD, GB
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (3162566)
[87] (3162566)
[22] 2022-06-10
[30] US (17/346,856) 2021-06-14

[11] **3,164,784**
[13] C
[51] **Int.Cl. E01F 9/541 (2016.01) E01C 11/22 (2006.01) E01F 15/08 (2006.01)**
[25] EN
[54] **KERB BARRIER**
[54] **BARRIERE DE BORDURE DE TROTTOIR**
[72] SMITH, LUKE, GB
[72] SCOTHERN, LEE, GB
[72] METCALFE, ROBERT, GB
[73] THREE SMITH GROUP LIMITED, GB
[85] 2022-06-15
[86] 2020-12-11 (PCT/GB2020/053200)
[87] (WO2021/123743)
[30] GB (1918741.8) 2019-12-18

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[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH4DPN**
[54] **MAIS AUTOGAME PH4DPN**
[72] KING, STEVEN PAUL, US
[72] WILLIAM, HARINDRA MANILAL, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165627)
[87] (3165627)
[22] 2022-06-27

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[11] **3,166,068**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PEUP12**
[54] **MAIS AUTOGAME 1PEUP12**
[72] DE VRIES, BRIAN DOUGLAS, US
[72] GOGERTY, JOSEPH KEVIN, US
[72] RASMUSSEN, CHRISTOPHER COLE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166068)
[87] (3166068)
[22] 2022-06-29
[30] US (17/366,138) 2021-07-02

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[11] **3,166,423**
[13] C
[51] **Int.Cl. F21V 19/00 (2006.01) F21V 21/28 (2006.01) F21V 21/40 (2006.01)**
[25] EN
[54] **LIGHTING ASSEMBLY AND LIGHT HEAD INCLUDING SAME**
[54] **ENSEMBLE D'ECLAIRAGE ET TETE D'ECLAIRAGE COMPRENANT CELUI-CI**
[72] WESTENFELDER II, DAVID A., US
[72] HOLLOPETER, MICHAEL, US
[72] SANDERS, JILL A., US
[72] KRAIG, MARTIN R., US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2022-07-28
[86] 2021-01-28 (PCT/US2021/015583)
[87] (WO2021/155068)
[30] US (62/968,551) 2020-01-31

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[13] C
[51] **Int.Cl. B65G 3/02 (2006.01) B65G 65/28 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR AUTOMATED OPERATION OF A PLANT FOR STORING BULK MATERIAL**
[54] **PROCEDE ET DISPOSITIF POUR LE FONCTIONNEMENT AUTOMATISE D'UNE INSTALLATION DE STOCKAGE DE PRODUITS EN VRAC**
[72] ESSER, PHILIPP, DE
[73] KOCH SOLUTIONS GMBH, DE
[85] 2022-07-29
[86] 2021-01-25 (PCT/EP2021/051556)
[87] (WO2021/156082)
[30] DE (10 2020 201 316.0) 2020-02-04
[30] BE (BE2020/5066) 2020-02-04

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[11] **3,167,294**
[13] C
[51] **Int.Cl. A61K 51/04 (2006.01)**
[25] EN
[54] **MONO-, DI- OR POLYSACCHARIDE USED AS METAL INHIBITOR IN THE PREPARATION OF 68GA-CHELATE-FUNCTIONALIZED TARGETING AGENT**
[54] **MONO-, DI- OU POLYSACCHARIDE UTILISE COMME INHIBITEUR METALLIQUE DANS LAPREPARATION D'AGENTS CIBLES FONCTIONNALISES DU CHELATE 68GA**
[72] WOUTERS, LUDOVIC, BE
[72] KAISIN, GEOFFROY, BE
[72] LUXEN, ANDRE, BE
[72] LEONARD, MARC, BE
[72] VOCCIA, SAMUEL, BE
[73] TELIX INNOVATIONS S.A., BE
[86] (3167294)
[87] (3167294)
[22] 2015-07-28
[62] 2,958,475
[30] BE (2014/0653) 2014-08-29

[11] **3,167,544**
[13] C
[51] **Int.Cl. H02K 9/06 (2006.01) H02K 5/16 (2006.01) H02K 5/20 (2006.01)**
[25] EN
[54] **BEARING CAP HEAT SINK SYSTEM FOR AN ELECTRIC MOTOR**
[54] **SYSTEME DISSIPATEUR THERMIQUE A CHAPEAU DE PALIER POUR MOTEUR ELECTRIQUE**
[72] HERNANDEZ, SERGIO, US
[73] TOSHIBA INTERNATIONAL CORPORATION, US
[86] (3167544)
[87] (3167544)
[22] 2022-07-13
[30] US (17/394,957) 2021-08-05

[11] **3,169,438**
[13] C
[51] **Int.Cl. C23C 22/00 (2006.01) C09J 5/02 (2006.01) C23C 22/78 (2006.01) C23F 17/00 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOY ARTICLES EXHIBITING IMPROVED BOND DURABILITY AND METHODS OF MAKING THE SAME**
[54] **ARTICLE EN ALLIAGE D'ALUMINIUM PRESENTANT UNE DURABILITE DE LIAISON AMELIOREE ET PROCEDES DE FABRICATION DE CELUI-CI**
[72] GUERIN, MATHILDE, US
[72] PUIG, ALEJANDRO, US
[72] BECK, EMANUEL, CH
[72] DURUSSEL, ALEXANDRE, US
[72] VARONE, XAVIER, US
[72] SALGADO-ORDORICA, MARIO, CH
[72] SIMON, JOERG, US
[72] FLOREY, GUILLAUME, US
[72] BERNER, MICHELE EDITH, US
[72] BASSI, CORRADO, CH
[72] BEZENCON, CYRILLE, US
[73] NOVELIS INC., US
[85] 2022-07-27
[86] 2021-03-17 (PCT/US2021/022665)
[87] (WO2021/188610)
[30] US (62/991,317) 2020-03-18

[11] **3,169,675**
[13] C
[51] **Int.Cl. C07D 265/30 (2006.01) A61K 8/49 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **METHODS OF MAKING DELMOPINOL AND SALTS THEREOF**
[54] **PROCEDES DE FABRICATION DE DELMOPINOL ET DE SELS DE CELUI-CI**
[72] YEMIREDDY, VENKATARAMANA REDDY, IN
[72] VADLA, BALRAJU, IN
[72] KONGARA, VIJAYA KUMAR, IN
[72] GOTTAM, VIDYA, SAGAR, IN
[73] YOU FIRST SERVICES, INC., US
[85] 2022-07-29
[86] 2021-02-01 (PCT/US2021/016040)
[87] (WO2021/155350)
[30] US (62/968,730) 2020-01-31

[11] **3,169,793**
[13] C
[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/38 (2014.01) H02K 15/02 (2006.01)**
[25] EN
[54] **ELECTRICAL STEEL SHEET MACHINING METHOD, MOTOR, AND MOTOR CORE PRODUCTION METHOD**
[54] **PR0CEDE DE FABRICATION D'UNE PLAQUE D'ACIER ELECTROMAGNETIQUE ET PROCEDE DE FABRICATION DE NOYAU DE MOTEUR ET NOYAU DE MOTEUR**
[72] YOSHIZAKI, SOUICHIRO, JP
[72] MIYAMOTO, YUKINO, JP
[72] ZAIZEN, YOSHIAKI, JP
[73] JFE STEEL CORPORATION, JP
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[54] **ON-BOARDING SERVER FOR AUTHORIZING AN ENTITY TO EFFECT ELECTRONIC PAYMENTS**
[54] **SERVEUR D'INTEGRATION POUR AUTORISER UNE ENTITE A EFFECTUER DES PAIEMENTS ELECTRONIQUES**
[72] HAYHOW, ROBERT, CA
[72] ELKHINOVICH, IGOR, CA
[72] ECKER, JEFFREY AARON, CA
[72] WILLARD, KEITH, CA
[73] THE TORONTO-DOMINION BANK, CA
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[54] **COMPOSITIONS AND METHODS FOR ENHANCED DELIVERY OF ANTIVIRAL AGENTS**
[54] **COMPOSITIONS ET METHODES PERMETTANT UNE ADMINISTRATION AMELIOREE D'AGENTS ANTIVIRAUX**
[72] DOCHERTY, JOHN, CA
[72] BUNKA, CHRISTOPHER ANDREW, CA
[73] POVIVA CORP., US
[85] 2022-09-22
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[54] **FORCE TRANSFERRING MEMBER FOR USE IN A TOOL**
[54] **ELEMENT DE TRANSFERT DE FORCE DESTINE A ETRE UTILISE DANS UN OUTIL**
[72] REINHARDT, PAUL ANDREW, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **ADJUSTABLE VERTICAL FIELD OF VIEW**
[54] **CHAMP DE VISION VERTICAL REGLABLE**
[72] WENDEL, ANDREAS, US
[72] DITTMER, JEREMY, US
[73] WAYMO LLC, US
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[54] **ANTIGEN BINDING PROTEINS THAT BIND PD-1**
[54] **PROTEINES DE LIAISON A L'ANTIGENE QUI SE LIENT A PD-1**
[72] ZHOU, HEYUE, US
[72] SWANSON, BARBARA A., US
[72] GRAY, JOHN DIXON, US
[72] KAUFMANN, GUNNAR F., US
[72] GROS, EDWIGE, US
[73] SORRENTO THERAPEUTICS, INC., US
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[25] EN
[54] **REGULATORY NUCLEIC ACID MOLECULES FOR ENHANCING CONSTITUTIVE GENE EXPRESSION IN PLANTS**
[54] **MOLECULES D'ACIDE NUCLEIQUE REGULATRICES POUR L'ACCROISSEMENT DE L'EXPRESSION GENETIQUE CONSTITUTIVE DANS DES PLANTES**
[72] KUHN, JOSEF MARTIN, DE
[72] LOYALL, LINDA PATRICIA, DE
[72] SIEBERT, MALTE, DE
[72] DUWENIG, ELKE, DE
[73] BASF PLANT SCIENCE COMPANY GMBH, DE
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[54] **DIRECT AIR CARBON CAPTURE SYSTEM**
[54] **SYSTEME DE CAPTURE DE CARBONE D'AIR DIRECT**
[72] HOPKINS, DEMITRI, US
[73] SMITH-CROWLEY, SHANNON, US
[73] SMITH-CROWLEY, COLE, US
[73] SMITH-CROWLEY, CALIX, US
[85] 2022-10-25
[86] 2021-09-20 (PCT/US2021/051034)
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[25] EN
[54] **REFLEX SIGHT**
[54] **VISEUR REFLEX**
[72] SABALDAN ELPEDES, JERRY GLEN, US
[72] STEWART, NATHAN, US
[73] TRIJICON, INC., US
[86] (3178689)
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[25] EN
[54] **METHOD AND SYSTEM FOR TREATING RENEWABLE FEEDSTOCKS**
[54] **PROCEDE ET SYSTEME POUR LE TRAITEMENT DE CHARGES D'ALIMENTATION RENOUVELABLES**
[72] ACKERSON, MICHAEL D., US
[72] BYARS, MICHAEL STEVEN, US
[72] ACKERSON, KYLE, US
[72] COLEMAN, JOHN, US
[73] DUKE TECHNOLOGIES, LLC, US
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[25] EN
[54] **FRAME-RATE SCALABLE VIDEO CODING**
[54] **CODAGE VIDEO EVOLUTIF EN FREQUENCE D'IMAGES**
[72] ATKINS, ROBIN, US
[72] YIN, PENG, US
[72] LU, TAORAN, US
[72] PU, FANGJUN, US
[72] MCCARTHY, SEAN THOMAS, US
[72] HUSAK, WALTER J., US
[72] CHEN, TAO, US
[72] SU, GUAN-MING, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[85] 2022-12-14
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[25] EN
[54] **COOLING LUBRICANT WITH POLYALKYLENE GLYCOL OR ETHOXYLATED FATTY ALCOHOL FOR COLD ROLLING ALUMINUM**
[54] **LUBRIFIANT DE REFROIDISSEMENT COMPRENANT UN POLYALKYLENE GLYCOL OU UN ALCOOL GRAS ETHOXYLE POUR LE ROULAGE A FROID DE L'ALUMINIUM**
[72] DRAESE, STEPHAN, DE
[72] GRAF, THOMAS, DE
[72] SEIFERTH, OLIVER, DE
[72] SCHMITZ, VOLKER, DE
[73] SPEIRA GMBH, DE
[85] 2023-02-15
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[25] EN
[54] **PROFOOD ITEM AND PUFFED FOOD PRODUCT PREPARATIONS**
[54] **ARTICLE DE PRODUCTION ALIMENTAIRE ET PREPARATIONS DE PRODUITS ALIMENTAIRES SOUFFLES**
[72] SAT, ZEMER, IL
[72] AHARONSON, GILAD, IL
[73] TUTTIPUFFS LTD., IL
[85] 2023-02-20
[86] 2021-08-19 (PCT/IL2021/051015)
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[25] EN
[54] **APPARATUS AND METHOD FOR PREPARING PUFFED FOOD**
[54] **APPAREIL ET PROCEDE DE PREPARATION D'ALIMENT SOUFFLE**
[72] SAT, ZEMER, IL
[72] AHARONSON, GILAD, IL
[73] TUTTIPUFFS LTD., IL
[85] 2023-02-20
[86] 2021-08-19 (PCT/IL2021/051016)
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[11] **3,193,043**
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[51] **Int.Cl. A63B 21/072 (2006.01)**
[25] EN
[54] **FASTENING DEVICE FOR SPORTS EQUIPMENT**
[54] **DISPOSITIF DE FIXATION POUR EQUIPEMENT DE SPORT**
[72] MCCOY, NIKITA, GB
[72] MCCOY, GRAEME, GB
[72] MCGOWAN, GARY, GB
[73] KLINK FITNESS LIMITED, GB
[85] 2023-03-17
[86] 2021-10-04 (PCT/EP2021/077317)
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[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **UPLINK RESOURCE RELEASE**
[54] **LIBERATION DE RESSOURCES DE LIAISON MONTANTE**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL HEJAZI, US
[72] KIM, TAEHUN, US
[72] JEON, HYOUNGSUK, US
[72] RYU, JINSOOK, US
[72] TALEBI FARD, PEYMAN, US
[73] OFINNO, LLC, US
[85] 2023-02-03
[86] 2021-08-05 (PCT/US2021/044764)
[87] (WO2022/031980)
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[51] **Int.Cl. F02C 7/12 (2006.01) F24T 10/17 (2018.01) F28D 7/00 (2006.01)**
[25] EN
[54] **POWER PLANT COOLING SYSTEMS**
[54] **SYSTEMES DE REFROIDISSEMENT DE CENTRALES ELECTRIQUES**
[72] BURKETT, BOB, US
[73] BURKETT, BOB, US
[85] 2023-03-29
[86] 2021-09-15 (PCT/US2021/050556)
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[25] EN
[54] **METHODS AND APPARATUS TO DELIVER THERAPEUTIC, NON-ULTRAVIOLET ELECTROMAGNETIC RADIATION IN A DIALYSIS SYSTEM**
[54] **PROCEDES ET APPAREIL PERMETTANT DE DELIVRER UN RAYONNEMENT ELECTROMAGNETIQUE NON-ULTRAVIOLET THERAPEUTIQUE A UN SYSTEME DE DIALYSE**
[72] BARNECK, MITCHELL D., US
[72] RHODES, NATHANIEL L.R., US
[72] ALLEN, JAMES P., US
[72] LONG, CURTIS D., US
[72] CROLL, PERRY, US
[73] LIGHT LINE MEDICAL, INC., US
[85] 2023-03-21
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[30] US (17/000,736) 2020-08-24

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[51] **Int.Cl. B64C 39/02 (2023.01) B64C 37/02 (2006.01) B64F 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING ELECTRICAL POWER TO A TETHERED AERIAL VEHICLE**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DE L'ENERGIE ELECTRIQUE A UN VEHICULE AERIEN ATTACHE**
[72] BOSTICK, RANDALL, US
[73] PEGAPOD LLC, US
[85] 2023-06-02
[86] 2021-12-03 (PCT/US2021/061752)
[87] (WO2022/120134)
[30] US (63/121,938) 2020-12-06
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[51] **Int.Cl. B64C 27/04 (2006.01) B64C 27/14 (2006.01) B64D 27/02 (2006.01)**
[25] FR
[54] **HYBRID PROPULSION SYSTEM FOR A HELICOPTER**
[54] **SYSTEME PROPULSIF HYBRIDE POUR UN HELICOPTERE**
[72] THIRIET, ROMAIN JEAN GILBERT, FR
[72] MERCIER-CALVAIRAC, FABIEN, FR
[72] DOUILLARD, STEPHANE ALBERT ANDRE, FR
[73] SAFRAN HELICOPTER ENGINES, FR
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[51] **Int.Cl. H04L 45/00 (2022.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR OBSERVING AND/OR SECURING DATA ACCESS TO A COMPUTER NETWORK**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'OBSERVATION ET/OU DE SECURISATION D'ACCES A DES DONNEES D'UN RESEAU INFORMATIQUE**
[72] SINGH, MANJIT GOMBRA, US
[72] MAHAMMAD, GOUSE BASHA, US
[73] ARETE SECURITY INC. DBA DRUVSTAR, US
[85] 2023-07-04
[86] 2022-01-06 (PCT/US2022/011496)
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[51] **Int.Cl. G01B 5/008 (2006.01) E21C 35/00 (2006.01) E21C 35/08 (2006.01) E21C 35/24 (2006.01)**
[25] EN
[54] **MECHANICAL ARM TYPE MEASURING ROBOT DEVICE AND APPLICATION METHOD**
[54] **DISPOSITIF DE ROBOT DE MESURE DE TYPE BRAS MECANIQUE ET METHODE D'APPLICATION**
[72] MAO, SHANJUN, CN
[72] LI, XINCHAO, CN
[72] CHEN, HUAZHOU, CN
[73] BEIJING LONGRUAN TECHNOLOGIES INC., CN
[86] (3204410)
[87] (3204410)
[22] 2023-06-22
[30] CN (202210928529.4) 2022-08-03

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[51] **Int.Cl. H01M 10/44 (2006.01)**
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[54] **SAFE DISCHARGING METHOD FOR WASTE LITHIUM-ION BATTERY**
[54] **PROCEDE DE DECHARGE SURE POUR BATTERIE AU LITHIUM-ION USAGEE**
[72] CHEN, MEIMEI, CN
[73] SHENZHEN JIECHENG NICKEL COBALT NEW ENERGY TECHNOLOGY CO., LTD., CN
[85] 2023-07-12
[86] 2021-12-29 (PCT/CN2021/142417)
[87] (WO2022/151975)
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[54] **AUDITING CITATIONS IN A TEXTUAL DOCUMENT**
[54] **VERIFICATION DE CITATIONS DANS UN DOCUMENT TEXTUEL**
[72] SCHAFER, JACQUELINE GRACE, US
[72] SAURA, JOSE DEMETRIO, US
[72] TAKAHASHI, CHAD ERIC, US
[73] CLEARBRIEF, INC., US
[85] 2023-08-09
[86] 2022-02-16 (PCT/US2022/016626)
[87] (WO2022/178011)
[30] US (63/151,111) 2021-02-19
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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/23 (2019.01)**
[25] EN
[54] **DATA SECURITY FOR A DOCUMENT MANAGEMENT SYSTEM**
[54] **SECURITE DE DONNEES POUR UN SYSTEME DE GESTION DE DOCUMENTS**
[72] MUDGIL, SATYAVRAT, US
[72] SITARAM, ANANT, US
[72] TASLEEM, FAHAD, US
[72] SURTANI, VED, US
[73] TEKION CORP, US
[85] 2023-08-10
[86] 2022-04-05 (PCT/US2022/023505)
[87] (WO2022/225701)
[30] US (17/234,353) 2021-04-19

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[13] C
[51] **Int.Cl. A45C 11/00 (2006.01) B65D 21/02 (2006.01) B65D 75/32 (2006.01)**
[25] EN
[54] **A PACKAGED CONTACT LENS**
[54] **LENTILLE DE CONTACT CONDITIONNEE**
[72] RIVERA VELEZ, JESUS JAVIER, US
[72] ALAYON RIVERA, JAVIER E., US
[72] BURGOS CRUZ, JOSE A., US
[72] SIEVENS FIGUEROA, LUCAS, US
[73] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2023-08-15
[86] 2022-07-20 (PCT/GB2022/051883)
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[30] US (63/225,976) 2021-07-27
[30] US (63/347,732) 2022-06-01
[30] US (63/350,238) 2022-06-08

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[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTING DATA FROM TABLES WITHIN REGULATORY CONTENT**
[54] **METHODE ET SYSTEME POUR L'EXTRACTION DE DONNEES DE TABLEAUX DANS LE CONTENU REGLEMENTAIRE**
[72] RAMEZANI, MAHDI, CA
[72] SAHEBZAMANI, GHAZAL, CA
[72] SAXIFRAGE, ROBIN, CA
[72] GUEVARA, MARCEL JOSE, CA
[73] INTELEX TECHNOLOGIES, ULC, CA
[86] (3210419)
[87] (3210419)
[22] 2023-08-29
[30] US (17/898788) 2022-08-30

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[13] C
[51] **Int.Cl. G02B 1/04 (2006.01)**
[25] EN
[54] **WS12-RELEASING CONTACT LENS**
[54] **LENTILLE DE CONTACT A LIBERATION DE WS12**
[72] SI, ERWIN C., US
[72] ROGERS, VICTORIA, US
[72] KEIR, NANCY J., US
[72] BASUTHKAR SUNDAR RAO, SUBAM, US
[72] BRADLEY, ARTHUR, US
[73] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2023-08-30
[86] 2022-04-28 (PCT/GB2022/051077)
[87] (WO2022/229641)
[30] US (63/181,268) 2021-04-29

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[13] C
[51] **Int.Cl. G02C 7/04 (2006.01)**
[25] EN
[54] **LENS SETS FOR USE IN PREVENTING OR SLOWING THE DEVELOPMENT OR PROGRESSION OF MYOPIA AND RELATED METHODS**
[54] **JEUX DE LENTILLES DESTINES A ETRE UTILISES DANS LA PREVENTION OU LE RALENTISSEMENT DU DEVELOPPEMENT OU DE LA PROGRESSION DE LA MYOPIE ET PROCEDES ASSOCIES**
[72] ARUMUGAM, BASKAR, US
[72] CHAMBERLAIN, PAUL, US
[72] BRADLEY, ARTHUR, US
[72] WEBBER, MARTIN, GB
[73] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2023-09-01
[86] 2022-04-22 (PCT/GB2022/051024)
[87] (WO2022/229608)
[30] US (63/181,249) 2021-04-29

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[13] C
[51] **Int.Cl. C22B 7/00 (2006.01) C01D 15/02 (2006.01) C22B 1/02 (2006.01) C22B 3/04 (2006.01) C22B 3/08 (2006.01) C22B 3/22 (2006.01) C22B 3/44 (2006.01) H01M 10/54 (2006.01) C22B 23/00 (2006.01) C22B 26/12 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SECONDARY BATTERY MATERIAL FROM BLACK MASS**
[54] **METHODE POUR LA PRODUCTION DE MATERIAU DE BATTERIE SECONDAIRE A PARTIR DE MASSE NOIRE**
[72] CHOI, CHANG YOUNG, KR
[72] LEE, JE JOONG, KR
[73] KOREA ZINC CO., LTD., KR
[73] KEMCO, KR
[85] 2023-09-08
[86] 2023-03-27 (PCT/KR2023/004018)
[87] (3211531)
[30] KR (10-2022-0040519) 2022-03-31

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[51] **Int.Cl. C22B 3/44 (2006.01) C22B 3/04 (2006.01) C22B 3/22 (2006.01) C22B 3/38 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AQUEOUS SOLUTION CONTAINING NICKEL OR COBALT**
[54] **METHODE DE PRODUCTION DE SOLUTION AQUEUSE CONTENANT DU NICKEL OU DU COBALT**
[72] JOO, JAE HOON, KR
[72] CHOI, CHANG YOUNG, KR
[72] CHOI, HEON SIK, KR
[73] KOREA ZINC CO., LTD., KR
[73] KEMCO, KR
[85] 2023-09-08
[86] 2023-03-28 (PCT/KR2023/004100)
[87] (3211609)
[30] KR (10-2023-0010613) 2023-01-27

[11] **3,212,037**
[13] C
[51] **Int.Cl. C01B 3/30 (2006.01) B01J 8/26 (2006.01)**
[25] EN
[54] **HYDROGEN PRODUCTION APPARATUS USING HYDROCARBON PYROLYSIS**
[54] **APPAREIL DE PRODUCTION D'HYDROGENE AU MOYEN DE LA PYROLYSE D'HYDROCARBURES**
[72] MIYAURA, TAKUTO, JP
[72] ITO, TAKAMASA, JP
[72] TSUBOI, YOSUKE, JP
[72] LIU, YUPING, JP
[73] IHI CORPORATION, JP
[85] 2023-09-13
[86] 2022-02-21 (PCT/JP2022/006987)
[87] (WO2022/202037)
[30] JP (2021-051543) 2021-03-25

[11] **3,212,925**
[13] C
[51] **Int.Cl. F17C 9/02 (2006.01) F17C 13/02 (2006.01)**
[25] EN
[54] **IMPROVED LIQUID GAS SAMPLE VAPORIZER CONDITIONING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AMELIORES DE CONDITIONNEMENT DE VAPORISATEUR D'ECHANTILLON DE GAZ LIQUIDE**
[72] THOMPSON, KENNETH O., US
[72] WARNER, KEVIN, US
[72] PALUCH, WILLIAM C., US
[72] HARTSON, WILLIAM, US
[72] QUERREY, TIMOTHY L., US
[73] MUSTANG SAMPLING, LLC, US
[85] 2023-09-20
[86] 2022-11-18 (PCT/US2022/050431)
[87] (WO2023/172306)
[30] US (17/687,949) 2022-03-07

[11] **3,213,650**
[13] C
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 8/00 (2006.01) C08F 110/02 (2006.01) C08L 23/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **PEROXIDE TREATED BLOW MOLDING POLYMERS WITH INCREASED WEIGHT SWELL AND CONSTANT DIE SWELL**
[54] **POLYMERES DE MOULAGE PAR SOUFFLAGE TRAITES AU PEROXYDE PRESENTANT UN GONFLEMENT DE POIDS ACCRU ET UN GONFLEMENT DE MATRICE CONSTANT**
[72] INN, YONGWOO, US
[72] RATHMAN, JOHN R., US
[72] YU, YOULU, US
[72] SUKHADIA, ASHISH M., US
[72] CHAFFIN, JAY M., US
[72] CRUZ, CARLOS A., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2023-09-14
[86] 2022-03-08 (PCT/US2022/071015)
[87] (WO2022/198173)
[30] US (17/200,976) 2021-03-15

[11] **3,220,118**
[13] C
[51] **Int.Cl. F04B 39/02 (2006.01) F01M 1/02 (2006.01) F04B 53/18 (2006.01) F04C 25/02 (2006.01) F04C 29/02 (2006.01) F16N 7/40 (2006.01) F16N 17/06 (2006.01) F25B 45/00 (2006.01)**
[25] EN
[54] **PORTABLE, ROTARY VANE VACUUM PUMP WITH A QUICK OIL CHANGE SYSTEM**
[54] **POMPE A VIDE A PALETTES PORTATIVE DOTEE D'UN SYSTEME DE VIDANGE D'HUILE RAPIDE**
[72] SUNDHEIM, GREGORY S., US
[72] SHOEMAKER, THOMAS C., US
[72] RENCK, BRETT W., US
[73] SUNDHEIM, GREGORY S., US
[85] 2023-11-22
[86] 2022-06-15 (PCT/US2022/033542)
[87] (WO2022/271498)
[30] US (63/215,313) 2021-06-25
[30] US (17/827,267) 2022-05-27

[11] **3,221,534**
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[51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/16 (2006.01) A61M 39/18 (2006.01)**
[25] EN
[54] **CONNECTOR ASSEMBLY**
[54] **ENSEMBLE CONNECTEUR**
[72] TRAINA, ZACHARY JARROD, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2023-12-05
[86] 2022-06-07 (PCT/US2022/032418)
[87] (WO2022/261034)
[30] US (63/197,769) 2021-06-07

[11] **3,221,995**
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[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **MULTI-SPECIFIC BINDING PROTEINS FOR ACTIVATION OF NATURAL KILLER CELLS AND THERAPEUTIC USES THEREOF TO TREAT CANCER**
[54] **PROTEINES DE FIXATION MULTI-SPECIFIQUES DESTINEES A L'ACTIVATION DE CELLULES TUEUSES NATURELLES ET LEURS UTILISATIONS THERAPEUTIQUES POUR TRAITER LE CANCER**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] HANEY, WILLIAM, US
[72] GRINBERG, ASYA, US
[73] DRAGONFLY THERAPEUTICS, INC., US
[86] (3221995)
[87] (3221995)
[22] 2018-02-08
[62] 3,053,010
[30] US (62/456,535) 2017-02-08

[11] **3,223,319**
[13] C
[51] **Int.Cl. B09B 3/35 (2022.01) B09B 3/60 (2022.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR WASTE PROCESSING OF MIXED WASTE**
[54] **PROCEDE ET APPAREIL POUR LE TRAITEMENT DE DECHETS DE DECHETS MELANGES**
[72] TAN, WEE PHENG RENEE MRS RENEE MISON, SG
[73] 800 SUPER WASTE MANAGEMENT PTE LTD, SG
[85] 2023-12-18
[86] 2022-07-06 (PCT/SG2022/050470)
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[13] A1
[51] **Int.Cl. B62K 27/12 (2006.01)**
[25] FR
[54] **TRAILER HITCH MADE OF EXTREMELY STRONG METAL PIPE, HAVING TUBULAR PARTS, AND INSTALLABLE ON THE SEAT STEM OF A HOST BICYCLE**
[54] **RACCORDEMENT POUR REMORQUE, EN TUYAU ET PIECES TUBULAIRES METALLIQUES EXTRENEMENT SOLIDES DEVANT ETRE INSTALLE SUR LE MONTANT DE LA SELLE D'UNE BICYCLETTE HOTE**
[72] BEAUPLAN, BERNARD, CA
[71] BEAUPLAN, BERNARD, CA
[22] 2022-11-14
[41] 2024-05-14

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[21] **3,181,854**
[13] A1
[51] **Int.Cl. B62H 3/04 (2006.01) B62H 3/00 (2006.01)**
[25] EN
[54] **SLIDING WALL-MOUNTING BICYCLE RACK**
[54] **RATELIER A VELO MURAL COULISSANT**
[72] GU, HAIDONG, US
[71] CYCLINGDEAL USA, INC., US
[22] 2022-11-14
[41] 2024-05-14

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[21] **3,181,881**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G06F 21/62 (2013.01) G06F 16/903 (2019.01)**
[25] EN
[54] **HEALTHCARE DATA ACCESS SYSTEM FOR IMPROVING HEALTHCARE DATA USABILITY FOR CLINICIANS AND PATIENTS**
[54] **SYSTEME D'ACCES AUX DONNEES DE SOINS DE SANTE POUR AMELIORER LEUR FACILITE D'UTILISATION POUR LES CLINICIENS ET LES PATIENTS**
[72] DELANEY, STEVEN DOUGLAS, CA
[72] SCHMIDT, DOUGLAS GORDON, CA
[71] DELANEY, STEVEN DOUGLAS, CA
[71] SCHMIDT, DOUGLAS GORDON, CA
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[51] **Int.Cl. G07B 11/00 (2006.01) G06Q 10/02 (2012.01) G06Q 30/0279 (2023.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PROVIDING TICKETS FOR A GAME OR EVENT**
[54] **SYSTEME ET METHODE POUR FOURNIR DES BILLETS POUR UN JEU OU EVENEMENT**
[72] KAMPEN, CHRISTOPHER, CA
[72] KAMPEN, JENNIFER, CA
[72] FECTEAU, NATHAN, CA
[72] FECTEAU, KIMBERLEY, CA
[71] KAMPEN, CHRISTOPHER, CA
[71] KAMPEN, JENNIFER, CA
[71] FECTEAU, NATHAN, CA
[71] FECTEAU, KIMBERLEY, CA
[22] 2022-11-16
[41] 2024-05-16

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[21] **3,182,034**
[13] A1
[51] **Int.Cl. H04L 67/60 (2022.01) G06Q 20/28 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INITIATING A TRANSFER OF RESOURCES**
[54] **SYSTEME ET METHODE POUR AMORCER UN TRANSFERT DE RESSOURCES**
[72] KIM-KOON, JEFFREY LEE, CA
[72] BEILIS, RIMMA, CA
[72] PIOTROWSKI, JEFFREY JOHN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-11-16
[41] 2024-05-16

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[21] **3,182,145**
[13] A1
[51] **Int.Cl. B60R 25/01 (2013.01) B60R 25/21 (2013.01)**
[25] EN
[54] **ANTI-THEFT PROTECTION FOR MOTOR VEHICLE ONBOARD DIAGNOSTIC CONNECTOR OBD**
[54] **PROTECTION ANTIVOL POUR UN CONNECTEUR DE DIAGNOSTIC INTERNE DE VEHICULE MOTORISE**
[72] GIRARD, ANDRE, CA
[71] GIRARD, ANDRE, CA
[22] 2022-11-15
[41] 2024-05-15

[21] **3,182,164**
[13] A1
[51] **Int.Cl. G06F 3/04842 (2022.01) G06F 3/0481 (2022.01) H04L 67/14 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING A GRAPHICAL USER INTERFACE**
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR UNE INTERFACE UTILISATEUR GRAPHIQUE**
[72] MATHEW, SANGEETA, CA
[72] PANDEY, ANAND, CA
[72] VANZANTE, AMANDA, CA
[72] SPENSIERI, PASQUALIO, CA
[72] HASSANALI, MOHAMEDHUSSEIN, CA
[72] NANUSHI, RINELDA, CA
[72] BANSAL, SUMIT, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-11-16
[41] 2024-05-16

[21] **3,182,211**
[13] A1
[51] **Int.Cl. E21C 35/00 (2006.01) E02F 9/20 (2006.01) E21C 27/30 (2006.01)**
[25] EN
[54] **MONITORING AN OPERATION CYCLE OF HEAVY EQUIPMENT**
[54] **SURVEILLANCE D'UN CYCLE DE MARCHE DE MACHINERIE LOURDE**
[72] NOURANIAN, SAMAN, CA
[72] PESTEHEI, SEYED MEHRAN, CA
[72] AGRAWAL, VIBUDH, CA
[72] DEZAKI, FATEMAH TAHERI, CA
[72] SAMADI ARAKHSH BAHAR, SAMAREH, CA
[72] TANG, MUZHI, CA
[72] TURNER, GLEN RICHARD FLOYD, CA
[72] TAFAZOLI BILANDI, SHAHRAM, CA
[71] MOTION METRICS INTERNATIONAL CORP., CA
[22] 2022-11-17
[41] 2024-05-15
[30] US (17/986,891) 2022-11-15

[21] **3,182,227**
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[51] **Int.Cl. C08L 27/16 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B29C 64/118 (2017.01) C08J 9/06 (2006.01) C08J 9/12 (2006.01) C08J 9/18 (2006.01)**
[25] EN
[54] **A METHOD FOR FABRICATING A NON-FOAMED FILAMENT, A NON-FOAMED FILAMENT AND A 3D PRINTING METHOD FOR MANUFACTURING AN OBJECT USING SAID FILAMENT**
[54] **FILAMENT NON MOUSSE, METHODE DE FABRICATION D~UN FILAMENT NON MOUSSE ET METHODE D~IMPRESSION 3D POUR FABRIQUER UN OBJET AU MOYEN DU FILAMENT**
[72] SAIN, MOHINI, CA
[72] BLOZOWSKI, NYKOLA IVAN, CA
[72] SHAHI, PEYMAN, CA
[72] KHADEM SAMENI, JAVAD, CA
[72] GARMABI, MOHAMMAD MOIN, US
[71] HUTCHINSON, FR
[22] 2022-11-17
[41] 2024-05-17

[21] **3,182,283**
[13] A1
[51] **Int.Cl. G06Q 50/16 (2024.01) G06Q 50/10 (2012.01) G06F 16/95 (2019.01)**
[25] EN
[54] **LANDBIT**
[54] **LANDBIT**
[72] MARTIN, MANUEL, GB
[71] MARTIN, MANUEL, GB
[22] 2022-11-16
[41] 2024-05-16

[21] **3,182,289**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) G16B 25/10 (2019.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREDICTING TOLERANCE IN TRANSPLANT PATIENTS**
[54] **METHODES ET COMPOSITIONS POUR PREDIRE UNE TOLERANCE CHEZ LES GREFFES**
[72] LEVY, GARY, CA
[72] CHRUSCINSKI, ANDRZEJ, CA
[72] JUVET, STEPHEN, CA
[71] LEVY, GARY, CA
[71] CHRUSCINSKI, ANDRZEJ, CA
[71] JUVET, STEPHEN, CA
[22] 2022-11-17
[41] 2024-05-17

[21] **3,182,380**
[13] A1
[51] **Int.Cl. H01B 7/00 (2006.01)**
[25] EN
[54] **LUBRICATED CABLE WITH REDUCED COEFFICIENT OF FRICTION**
[54] **CABLE LUBRIFIE A COEFFICIENT DE FROTTEMENT REDUIT**
[72] CHLEBOWSKI, MICHAEL, CA
[72] BLEZY, ALAIN, US
[72] ARMSTRONG, HAL, CA
[72] GEAHCHAN, WISSAM, CA
[71] NEXANS, FR
[22] 2022-11-18
[41] 2024-05-18

[21] **3,182,402**
[13] A1
[51] **Int.Cl. F17C 13/06 (2006.01) F17C 13/04 (2006.01)**
[25] EN
[54] **SUPPLY TANK FOR INFLAMMABLE GAS WITH PROTECTIVE CAP**
[54] **RESERVOIR D'ALIMENTATION POUR UN GAZ INFLAMMABLE COMPRENANT UN BOUCHON DE PROTECTION**
[72] VOURIOT, MARCEL JOSEPH ANDRE, CA
[72] AMBORSKY, ROBERT, CA
[72] BADIOU, PATRICK, CA
[72] OOSTERVEEN, SEAN, CA
[71] VOMAR INDUSTRIES INC., CA
[22] 2022-11-18
[41] 2024-05-18

[21] **3,182,464**
[13] A1
[51] **Int.Cl. G09B 7/073 (2006.01) G09B 5/10 (2006.01) G09B 7/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING ENGAGEMENT AND LEARNING IN A LEARNING ENVIRONMENT**
[54] **SYSTEMES ET METHODES POUR FACILITER LA PARTICIPATION ET L~APPRENTISSAGE DANS UN ENVIRONNEMENT D~APPRENTISSAGE**
[72] CORWAY, ANDREW JOSEPH, CA
[72] ROCHE, AREL NESTOR, CA
[72] ROGERS, GREGORY PHILIP, CA
[71] TOPHATMONOCLE CORP., CA
[22] 2022-11-16
[41] 2024-05-16

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[13] A1
[51] **Int.Cl. A01D 41/12 (2006.01) A01F 12/30 (2006.01) A01F 12/40 (2006.01) A01F 29/12 (2006.01)**
[25] EN
[54] **STRAW AND CHAFF SPREADER FOR COMBINE HARVESTER**
[54] **EPANDEUSE DE PAILLES ET DE BALLES POUR UNE MOISSONNEUSE-BATTEUSE**
[72] KIRBY, WESLEY, CA
[71] 102159303 SASKATCHEWAN LTD., CA
[22] 2022-11-18
[41] 2024-05-18

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[21] **3,182,494**
[13] A1
[51] **Int.Cl. F04B 47/02 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **VALVE ROD GUIDES FOR BOTTOM HOLE PUMP ASSEMBLIES, AND RELATED METHODS AND PARTS**
[54] **GUIDES DE TIGE DE MANOEUVRE POUR DES ASSEMBLAGES DE POMPE DE FOND DE TROU ET METHODES ET PIECES CONNEXES**
[72] MEINCZINGER, DERRIK, CA
[72] FLYNN, NATHAN, CA
[71] OPTIMUM PUMP LTD., CA
[22] 2022-11-18
[41] 2024-05-18

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[13] A1
[51] **Int.Cl. H04L 67/2869 (2022.01) H04W 88/02 (2009.01) H04M 1/724 (2021.01) H04L 65/1059 (2022.01)**
[25] EN
[54] **VIDEO TELEPHONE**
[54] **VIDEOTELEPHONE**
[72] MALLARI, ANNA, CA
[71] MALLARI, ANNA, CA
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[13] A1
[51] **Int.Cl. C25B 1/00 (2021.01) C25B 1/23 (2021.01) C25B 9/19 (2021.01) C01B 3/04 (2006.01) C02F 1/46 (2006.01) C05C 1/00 (2006.01) C25B 1/04 (2021.01) C25B 11/04 (2021.01)**
[25] EN
[54] **ELECTROCHEMICAL METHODS AND SYSTEMS FOR OXIDATION OF NITROGENOUS COMPOUNDS**
[54] **METHODES ET SYSTEMES ELECTROCHIMIQUES POUR OXYDATION DE COMPOSES AZOTES**
[72] KLINKOVA, ANNA, CA
[72] MEDVEDEV, IURII, CA
[71] KLINKOVA, ANNA, CA
[71] MEDVEDEV, IURII, CA
[22] 2022-11-23
[41] 2024-05-18
[30] US (18/057,082) 2022-11-18

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[13] A1
[51] **Int.Cl. A43C 15/02 (2006.01) A43B 5/00 (2022.01) A43C 15/14 (2006.01) A43C 15/16 (2006.01)**
[25] EN
[54] **ROTATABLE SHOE CLEATS**
[54] **CRAMPONS DE CHAUSSURE ROTATIFS**
[72] HORTON, THOMAS, CA
[71] HORTON, THOMAS, CA
[22] 2022-11-30
[41] 2024-05-15
[30] US (17/986,918) 2022-11-15

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04W 12/122 (2021.01) H04L 41/147 (2022.01)**
[25] EN
[54] **AUTOMATIC VALIDATIONS AND PRIORITIZATIONS OF INDICATORS OF COMPROMISE**
[54] **VALIDATIONS AUTOMATIQUES ET ETABLISSEMENT DES PRIORITES DES INDICATEURS DE COMPROMIS**
[72] KARL, MOSHE, CA
[72] AGIV, NIR, CA
[72] SHAY, DAVID ALLIE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-12-16
[41] 2024-05-16
[30] US (17/988,528) 2022-11-16

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[21] **3,189,551**
[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) C12M 1/34 (2006.01) G01N 1/36 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **TISSUE CASSETTE READER**
[54] **LECTEUR DE CASSETTE A TISSU**
[72] YANG, HWAI-JYH MICHAEL, US
[71] SAKURA FINETEK U.S.A., INC., US
[22] 2023-02-13
[41] 2024-05-16
[30] US (17/988,685) 2022-11-16

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[13] A1
[51] **Int.Cl. A63B 21/062 (2006.01) A63B 21/02 (2006.01) A63B 21/05 (2006.01) A63B 21/06 (2006.01) A63B 23/03 (2006.01)**
[25] EN
[54] **AUTO-ROTATING HANDLE**
[54] **POIGNEE AUTOROTATIVE**
[72] BYUN, HYUN JUNG, KR
[71] NEWTECH WELLNESS CO., LTD., KR
[22] 2023-02-15
[41] 2024-05-18
[30] KR (1020230008503) 2023-01-20
[30] KR (1020220155519) 2022-11-18

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[13] A1
[51] **Int.Cl. E03D 1/30 (2006.01) F16K 31/22 (2006.01)**
[25] EN
[54] **BASE FOR UNIVERSAL SLIDE STYLE FLOAT AND ASSEMBLY**
[54] **BASE POUR FLOTTEUR UNIVERSEL DE STYLE GLISSADE ET MONTAGE**
[72] GUTHRIE, KEVIN J., US
[71] LAVELLE INDUSTRIES, INC., US
[22] 2023-02-21
[41] 2024-05-16
[30] US (17/988488) 2022-11-16

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[13] A1
[51] **Int.Cl. F16K 5/06 (2006.01) F16K 11/087 (2006.01) F16K 31/04 (2006.01) F24D 3/00 (2022.01) F24D 19/08 (2006.01)**
[25] EN
[54] **ISOLATION SERVICE VALVE ASSEMBLY FOR MOTORIZED ZONE VALVES**
[54] **ASSEMBLAGE DE ROBINET DE SERVICE D'ISOLATION POUR DES VANNES MOTORISEES DE REGULATION PAR ZONE**
[72] MASON, CHRISTOPHER W., US
[71] NIBCO INC., US
[22] 2023-04-12
[41] 2024-05-14
[30] US (17/986.161) 2022-11-14

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[13] A1
[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **POSITIVE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERY, PREPARING METHOD THEREOF AND RECHARGEABLE LITHIUM BATTERY INCLUDING THE SAME**
[54] **MATIERE ACTIVE POSITIVE POUR BATTERIE RECHARGEABLE AU LITHIUM, METHODE DE PREPARATION ET BATTERIE RECHARGEABLE AU LITHIUM COMPRENANT LADITE MATIERE**
[72] JANG, JUNGSUE, KR
[72] KIM, JINYOUNG, KR
[72] CHANG, DONGGYU, KR
[72] SHIM, JAEHA, KR
[72] KANG, TAEGEUN, KR
[71] SAMSUNG SDI CO., LTD., KR
[22] 2023-04-27
[41] 2024-05-14
[30] KR (10-2022-0151814) 2022-11-14

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[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **POSITIVE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERIES, PREPARATION METHOD THEREOF AND RECHARGEABLE LITHIUM BATTERIES INCLUDING THE SAME**
[54] **MATIERE ACTIVE POSITIVE POUR BATTERIES RECHARGEABLES AU LITHIUM, METHODE DE PREPARATION ET BATTERIES RECHARGEABLES AU LITHIUM COMPRENANT LADITE MATIERE**
[72] CHAE, YOUNGJOO, KR
[72] KIM, MINHAN, KR
[72] KIM, JINHWA, KR
[72] SEOG, JIHYUN, KR
[71] SAMSUNG SDI CO., LTD., KR
[22] 2023-05-03
[41] 2024-05-14
[30] KR (10-2022-0151813) 2022-11-14

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[13] A1
[51] **Int.Cl. G01N 33/573 (2006.01) G16B 15/30 (2019.01) C40B 30/04 (2006.01) C12Q 1/37 (2006.01)**
[25] EN
[54] **METHODS AND PROTEINS FOR TARGETING MAIN PROTEASE OF CORONAVIRUS**
[54] **METHODES ET PROTEINES POUR CIBLER LA PROTEINASE PRINCIPALE DU CORONAVIRUS**
[72] GANESAN, ARAVINDHAN, CA
[72] HOLYOAK, TODD, CA
[72] KALYAANAMOORTHY, SUBHA, CA
[72] TRAN, NORMAN, CA
[71] GANESAN, ARAVINDHAN, CA
[71] HOLYOAK, TODD, CA
[71] KALYAANAMOORTHY, SUBHA, CA
[71] TRAN, NORMAN, CA
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[41] 2024-05-15
[30] US (63/425,496) 2022-11-15

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[51] **Int.Cl. H02K 1/27 (2022.01) H02K 1/28 (2006.01)**
[25] EN
[54] **DISC MOTOR WITH HIGH TORQUE DENSITY**
[54] **MOTEUR DISCOIDAL A HAUTE DENSITE DE COUPE**
[72] LI, MINGJIE, CN
[71] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD, CN
[22] 2023-08-23
[41] 2024-05-15
[30] CN (202211420954.9) 2022-11-15

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[13] A1
[51] **Int.Cl. E06B 9/262 (2006.01) B64D 11/00 (2006.01) E06B 9/38 (2006.01)**
[25] EN
[54] **LIGHT BLOCKING CURTAINS AND RELATED METHODS**
[54] **RIDEAUX DE BLOCAGE DE LA LUMIERE ET METHODES CONNEXES**
[72] CHANGIZI, NAVID, US
[71] THE BOEING COMPANY, US
[22] 2023-08-22
[41] 2024-05-14
[30] US (17/986792) 2022-11-14

[21] **3,211,989**
[13] A1
[51] **Int.Cl. F16L 37/084 (2006.01) F16L 19/028 (2006.01) F16L 19/03 (2006.01) F16L 37/092 (2006.01)**
[25] EN
[54] **PUSH FITTING FOR METALLIC PIPE**
[54] **RACCORD RAPIDE POUR UN TUYAU METALLIQUE**
[72] NORMAN, JAMIE, CA
[71] UTILITY SUPPLY CORPORATION, CA
[22] 2023-09-11
[41] 2024-05-17
[30] US (17/989073) 2022-11-17

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[21] **3,212,735**
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[51] **Int.Cl. H04L 65/61 (2022.01) H04L 9/40 (2022.01) H04L 65/10 (2022.01) H04L 65/1089 (2022.01) H04L 12/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTICASTING LIVE CONTENT**
[54] **SYSTEMES ET METHODES DE DIFFUSION SELECTIVE DE CONTENU EN DIRECT**
[72] MACAULAY, ALEX, US
[72] FLIAM, RICHARD, US
[72] KIOK, JOSEPH, US
[72] LETT, TIM, US
[72] LUND, TODD, US
[72] NIEBUR, MARK, US
[71] MK SYSTEMS USA INC., US
[22] 2023-09-15
[41] 2024-05-15
[30] EP (22306679.6) 2022-11-15

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[21] **3,214,901**
[13] A1
[51] **Int.Cl. B64F 1/223 (2024.01) B60P 3/11 (2006.01)**
[25] EN
[54] **SMART AIRCRAFT TOWING SYSTEM**
[54] **SYSTEME DE REMORQUAGE D~AERONEF INTELLIGENT**
[72] MURALIDHARAN, SANTHOSH, IN
[72] GORTHI, SUHAS VENKATA PRITHVI, IN
[72] KAMALA, MANJUNATHA, IN
[72] KOKATI, PRASHANT, IN
[72] BANTANAHAL, VISHWAS, IN
[72] JHA, ASHUTOSH KUMAR, IN
[72] GURUSHANKAR, VISHWANATH, IN
[72] MAHOR, SRIKANT, IN
[72] HOREYALA GOPALA, RAGHAVENDRA, IN
[71] GOODRICH CORPORATION, US
[22] 2023-09-29
[41] 2024-05-15
[30] IN (202241065401) 2022-11-15
[30] US (18/087,560) 2022-12-22

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[13] A1
[51] **Int.Cl. B29C 43/28 (2006.01) B29C 70/02 (2006.01) B29D 7/00 (2006.01) B32B 27/04 (2006.01) B32B 27/06 (2006.01) B32B 37/10 (2006.01) B32B 37/16 (2006.01)**
[25] EN
[54] **RAPIDLY PRESSING MIXTURES OF PAPER AND PLASTIC TO TARGETED THICKNESS AND DENSITY**
[54] **PRESSAGE RAPIDE DE MELANGES DE PAPIER ET DE PLASTIQUE A DES EPAISSEUR ET DENSITE CIBLEES**
[72] WINTEROWD, JACK G., US
[72] FISHER, KASEY, US
[72] SPENCER, MATTHEW, US
[72] SUPUT, MARKO, US
[71] CONTINUOUS MATERIALS INTELLECTUAL PROPERTY, LLC, US
[22] 2023-10-10
[41] 2024-05-18
[30] US (18/298,639) 2023-04-11
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[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) B09B 3/00 (2022.01) C01D 15/00 (2006.01) C22B 1/02 (2006.01) C22B 3/04 (2006.01) C22B 3/22 (2006.01) H01M 10/54 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **LITHIUM RECOVERY FROM LITHIUM-ION BATTERIES**
[54] **RECUPERATION DE LITHIUM DE BATTERIES AU LITHIUM-ION**
[72] KIM, KEE-CHAN, US
[72] GRATZ, ERIC, US
[71] ASCEND ELEMENTS, INC., US
[22] 2023-10-13
[41] 2024-05-18
[30] US (17/990,517) 2022-11-18

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[13] A1
[51] **Int.Cl. E06B 9/26 (2006.01) E06B 9/327 (2006.01)**
[25] EN
[54] **HORIZONTAL BLIND HAVING A HIDDEN TENSION CORD**
[54] **STORE HORIZONTAL COMPRENANT UN CORDON DE TENSION CACHE**
[72] HORN, MARC, DE
[72] BOEHM, DIETER, DE
[71] RHOMBUS BETEILIGUNGS-GMBH & CO. KG, DE
[22] 2023-10-16
[41] 2024-05-17
[30] DE (20 2022 106 449.0) 2022-11-17

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[13] A1
[51] **Int.Cl. E04F 21/18 (2006.01) E04F 21/165 (2006.01)**
[25] EN
[54] **INSTALLATION TOOL FOR RESILIENTLY-COMPRESSIBLE BUILDING MATERIALS**
[54] **OUTIL D~INSTALLATION DE MATERIAUX DE CONSTRUCTION COMPRIMABLES ET RESILIENTS**
[72] FIORILLA, NICHOLAS A., US
[72] SEBOLD, MICHAEL M., US
[72] WALLIS, DONALD, US
[71] SCHUL INTERNATIONAL CO., LLC, US
[22] 2023-10-16
[41] 2024-05-17
[30] US (17/988,920) 2022-11-17

[21] **3,217,017**
[13] A1
[51] **Int.Cl. B23P 19/027 (2006.01) B25B 28/00 (2006.01) B25J 15/00 (2006.01)**
[25] EN
[54] **ASSEMBLY AND METHOD FOR OPERATING ON HORIZONTALLY ORIENTED EQUIPMENT**
[54] **ASSEMBLAGE ET METHODE D~EXPLOITATION SUR UN EQUIPEMENT ORIENTE A L~HORIZONTALE**
[72] JACKSON, COREY LEE, US
[72] ALLEGO, JOSH, US
[72] DAESCHNER, BERND, US
[72] WOLFF, JEFFREY JOHN, US
[71] TRANSPORTATION IP HOLDINGS, LLC, US
[22] 2023-10-19
[41] 2024-05-16
[30] US (63/425,895) 2022-11-16
[30] US (18/485,976) 2023-10-12

[21] **3,217,466**
[13] A1
[51] **Int.Cl. A41C 3/12 (2006.01) A41D 31/04 (2019.01) A41C 3/00 (2006.01)**
[25] EN
[54] **A MOISTURE TRAPPING BRA**
[54] **SOUTIEN-GORGE PIEGEANT LA CONDENSATION**
[72] ZARABI, ROBERT K., US
[71] ZARABI, ROBERT K., US
[22] 2023-10-20
[41] 2024-05-17
[30] US (17/988,995) 2022-11-17

[21] **3,217,713**
[13] A1
[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DRYING REAGENTS IN MULTIWELL PLATES**
[54] **SYSTEMES ET METHODES POUR SECHER DES REACTIFS DANS DES PLAQUES MULTIPUITS**
[72] HAWKINS, JEFFREY A., US
[72] SCHEBLE, MARK, US
[72] SOTOUDEH, MOHAMMAD, US
[72] FERNANDEZ, BRIAN, US
[71] TRUVIAN SCIENCES, INC., US
[22] 2023-10-25
[41] 2024-05-15
[30] US (63/425,633) 2022-11-15

[21] **3,218,057**
[13] A1
[51] **Int.Cl. B25B 25/00 (2006.01) B26D 7/14 (2006.01)**
[25] EN
[54] **A CABLE TIE TENSIONING AND CUT-OFF TOOL**
[54] **OUTIL DE TENSIONNEMENT ET DE COUPE D~ATTACHE-CABLE**
[72] ALTARINO, LORENZO, IT
[72] GALLI, GIANCARLO, IT
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-10-30
[41] 2024-05-18
[30] EP (EP22208441) 2022-11-18
[30] EP (EP22211262) 2022-12-02

[21] **3,218,322**
[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/35 (2014.01) A63F 13/52 (2014.01)**
[25] EN
[54] **A METHOD FOR A GAMING SYSTEM**
[54] **METHODE DE SYSTEME DE JEU**
[72] SCHAROLD, WALTER, MT
[72] LUCZO, DOMINIK, MT
[71] PLAY'N GO MARKS LTD., MT
[22] 2023-10-31
[41] 2024-05-18
[30] SE (2251352-7) 2022-11-18

[21] **3,218,325**
[13] A1
[51] **Int.Cl. B25B 23/142 (2006.01) B25B 23/00 (2006.01) B25B 23/143 (2006.01)**
[25] EN
[54] **TORQUE WRENCH PROFILED CAM LOCK LEVER**
[54] **LEVIER DE VERROUILLAGE PROFILE DE CAME DE CLE DYNAMOMETRIQUE**
[72] HELSTROM, JOSHUA, US
[72] BERGH, JEFFREY D., US
[72] FEYISSA, HANNA, US
[72] MANCINI, PATRICK L., US
[71] SNAP-ON INCORPORATED, US
[22] 2023-11-01
[41] 2024-05-18
[30] US (17/990,389) 2022-11-18

[21] **3,218,696**
[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01) A01B 63/14 (2006.01) A01C 7/00 (2006.01)**
[25] EN
[54] **GENERATING SOIL STRENGTH METRIC DURING ROW UNIT OPERATION AND CONTROLLING ROW UNIT**
[54] **GENERATION D~UNE MESURE DE LA RESISTANCE DU SOL PENDANT UNE EXPLOITATION D~UN RAYONNEUR ET CONTROLE DU RAYONNEUR**
[72] GARNER, ELIJAH B., US
[72] HUBNER, CARY S., US
[72] KRUEGER, KELBY J., US
[71] DEERE & COMPANY, US
[22] 2023-11-01
[41] 2024-05-18
[30] US (18/056,935) 2022-11-18

[21] **3,218,735**
[13] A1
[51] **Int.Cl. B22D 23/10 (2006.01) B22D 25/02 (2006.01) C21D 1/26 (2006.01) C22B 9/18 (2006.01)**
[25] EN
[54] **NEAR-NET SHAPE FORMING METHOD FOR IMPULSE WHEEL**
[54] **METHODE DE FORMAGE QUASI NET POUR UNE TURBINE A ACTION**
[72] LOU, YANCHUN, CN
[72] XIONG, YUNLONG, CN
[72] GAO, YUNBAO, CN
[72] WANG, YU, CN
[72] WANG, ZENGRUI, CN
[72] ZHAO, LING, CN
[72] TIAN, YU, CN
[72] HAN, ZHI, CN
[72] LI, RUIXIN, CN
[72] WEN, QIULIN, CN
[72] CHEN, RUI, CN
[71] SHENYANG RESEARCH INSTITUTE OF FOUNDRY CO., LTD. CAM, CN
[22] 2023-11-03
[41] 2024-05-17
[30] CN (202211460321.0) 2022-11-17

[21] **3,218,770**
[13] A1
[51] **Int.Cl. B64C 13/50 (2006.01) B64C 13/24 (2006.01) F16D 1/00 (2006.01) F16H 1/00 (2006.01)**
[25] EN
[54] **FAILSAFE ELECTRO-MECHANICAL ACTUATOR**
[54] **ACTIONNEUR ELECTROMECANIQUE A SURETE INTEGREE**
[72] BALSIGER, DERICK S., US
[72] BLOXHAM, KEITH A., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2023-11-03
[41] 2024-05-15
[30] US (17/987,366) 2022-11-15

[21] **3,219,164**
[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 23/00 (2006.01) E21B 47/01 (2012.01)**
[25] EN
[54] **GAUGE HANGER**
[54] **SUPPORT DE JAUGE**
[72] MURPHY, STEPHEN, SC
[72] TOLLEY, MARK CLIFTON, SC
[72] MASON, GUY HARVEY, SC
[72] NORGATE, MATTHEW JOHN, SC
[71] ACOUSTIC DATA LIMITED, SC
[22] 2023-11-07
[41] 2024-05-17
[30] GB (2217196.1) 2022-11-17

[21] **3,219,212**
[13] A1
[51] **Int.Cl. H01F 1/053 (2006.01) C22C 38/00 (2006.01)**
[25] EN
[54] **R-T-B SINTERED MAGNET**
[54] **AIMANT FRITTE R-T-B**
[72] YOSHINARI, AKIHIRO, JP
[72] IIDA, HIROKI, JP
[72] HIROTA, KOICHI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[22] 2023-11-01
[41] 2024-05-16
[30] JP (2022-183378) 2022-11-16

[21] **3,219,229**
[13] A1
[51] **Int.Cl. A47G 21/00 (2006.01) B65D 85/36 (2006.01)**
[25] EN
[54] **HANDHELD SILICONE HOLDER FOR FOOD ITEMS**
[54] **SUPPORT EN SILICONE PORTATIF POUR DES ARTICLES ALIMENTAIRES**
[72] TURKO, TASHA, CA
[71] TURKO, TASHA, CA
[22] 2023-11-07
[41] 2024-05-15
[30] US (63/425,360) 2022-11-15

[21] **3,219,241**
[13] A1
[51] **Int.Cl. C09D 1/00 (2006.01) C09D 5/33 (2006.01)**
[25] EN
[54] **CURABLE COMPOSITION FOR PRODUCTION OF COATINGS FOR THERMAL, ELECTRICAL AND/OR ACOUSTIC INSULATION**
[54] **COMPOSITION DURCISSABLE POUR LA PRODUCTION DE REVETEMENTS POUR L~ISOLATION THERMIQUE, ELECTRIQUE ET/OU ACOUSTIQUE**
[72] LAZAR, BJORN, DE
[72] GERHARZ-KALTE, BETTINA, DE
[72] LIEBANA VINAS, SARA, DE
[72] LYGIN, ALEXANDER, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2023-11-07
[41] 2024-05-15
[30] EP (22207499.9) 2022-11-15

[21] **3,219,361**
[13] A1
[51] **Int.Cl. A01B 63/14 (2006.01) A01B 79/00 (2006.01) A01C 5/06 (2006.01) A01C 7/00 (2006.01)**
[25] EN
[54] **MACHINE CONTROL BASED ON MEASURED SOIL STRENGTH**
[54] **COMMANDE MACHINE FONDEE SUR LA RESISTANCE DU SOL MESUREE**
[72] GARNER, ELIJAH B., US
[72] KRUEGER, KELBY J., US
[72] HUBNER, CARY S., US
[72] STEELE, MICHAEL C., US
[72] WACKERLE, BRADLEY A., US
[71] DEERE & COMPANY, US
[22] 2023-11-08
[41] 2024-05-18
[30] US (18/056,939) 2022-11-18

[21] **3,219,385**
[13] A1
[51] **Int.Cl. G06Q 10/1093 (2023.01) G16H 40/20 (2018.01) G06Q 10/0631 (2023.01)**
[25] EN
[54] **MULTI-SPECIALTY INTEGRATED CARE SCHEDULING SYSTEM**
[54] **SYSTEME DE PLANIFICATION DE SOINS INTEGRE A SPECIALITES MULTIPLES**
[72] KADRI, ALBERT, CA
[72] IBRAHIM, MOHAMMED, CA
[71] KADRI MEDICAL, LTD., CA
[22] 2023-11-09
[41] 2024-05-16
[30] US (17/988,444) 2022-11-16

[21] **3,219,390**
[13] A1
[25] FR
[54] **SYSTEM AND METHOD FOR THERMOREGULATING A SWIMMING POND**
[54] **SYSTEME ET PROCEDE DE THERMOREGULATION D'UN BASSIN DE BAIGNADE**
[72] FILLOT, JEAN-CHRISTOPHE, FR
[72] GRANIER, FABRICE, FR
[71] POLYTROPIC, FR
[22] 2023-11-09
[41] 2024-05-14
[30] FR (FR 2211825) 2022-11-14

[21] **3,219,411**
[13] A1
[51] **Int.Cl. G06N 10/60 (2022.01) G06N 20/00 (2019.01) G06N 10/40 (2022.01)**
[25] EN
[54] **METHOD FOR SOLVING MACHINE LEARNING PROBLEMS WITH HYBRID CLASSICAL-QUANTUM SOLVERS**
[54] **METHODES POUR RESOUDRE DES PROBLEMES D~APPRENTISSAGE AUTOMATIQUE AU MOYEN DE RESOLVEURS TRADITIONNELS-QUANTIQUES**
[72] KORDZANGANEH, MOHAMMAD, CH
[72] KOSICHKINA, DARIA, CH
[72] MELNIKOV, ALEXEY, CH
[71] TERRA QUANTUM AG, CH
[22] 2023-11-08
[41] 2024-05-15
[30] EP (22207380.1) 2022-11-15

[21] **3,219,433**
[13] A1
[51] **Int.Cl. B60W 10/06 (2006.01) F02D 29/02 (2006.01)**
[25] EN
[54] **CAVITATION DETECTION USING TORQUE LOAD AND/OR INSTANTANEOUS FUEL CONSUMPTION**
[54] **DETECTION DE CAVITATION AU MOYEN DE LA CHARGE DE COUPLE ET/OU DE LA CONSOMMATION DE CARBURANT INSTANTANEE**
[72] DAVIS, BRETT ALLEN, US
[72] GEERTSEMA, JOHN EDWARD, US
[71] CATTRON NORTH AMERICA, INC., US
[22] 2023-11-09
[41] 2024-05-18
[30] US (63/426,559) 2022-11-18
[30] US (63/546,128) 2023-10-27
[30] US (18/387,285) 2023-11-06

[21] **3,219,436**
[13] A1
[51] **Int.Cl. A63F 11/00 (2006.01) G06V 20/40 (2022.01) A63F 7/00 (2006.01) A63F 7/22 (2006.01) G06K 7/14 (2006.01)**
[25] EN
[54] **APPARATUSES, SYSTEMS, AND METHODS FOR CREATING AND ACCESSING VIDEO CLIPS OF A GAME PLAYED ON A PLAYING FIELD**
[54] **APPAREILS, SYSTEMES ET METHODES POUR CREER DES SEQUENCES VIDEO D~UN JEU JOUE SUR UN TERRAIN DE JEU ET ACCEDER A CES SEQUENCES**
[72] FRAZIER, JOSHUA LELAND, US
[72] SHOOK, JUSTIN, US
[71] SOCCER PARK, LLC DBA URBAN SOCCER PARK, US
[22] 2023-11-09
[41] 2024-05-15
[30] US (18/055,749) 2022-11-15

[21] **3,219,526**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WATERMELON VARIETY NUN 32010 WMW**
[54] **MELON D'EAU DE VARIETE NUN 32010 WMW**
[72] ECHEVERRY-SOLARTE, MORGAN, US
[71] NUNHEMS B.V., NL
[22] 2023-11-10
[41] 2024-05-16
[30] US (63/425.887) 2022-11-16

[21] **3,219,557**
[13] A1
[51] **Int.Cl. A23N 12/04 (2006.01) A23L 5/00 (2016.01) A23N 12/00 (2006.01)**
[25] EN
[54] **TRUNNION MONITORING FOR FOOD PROCESSING/WATER TREATMENT**
[54] **SURVEILLANCE DE TOURILLON POUR LA TRANSFORMATION ALIMENTAIRE OU LE TRAITEMENT DES EAUX**
[72] TITEL, LUKE A., US
[72] MAUPIN, DANIEL D., US
[72] SCHULTZ, STEVEN J., US
[71] LYCO MANUFACTURING, INC., US
[22] 2023-11-10
[41] 2024-05-14
[30] US (63/425,086) 2022-11-14

[21] **3,219,565**
[13] A1
[51] **Int.Cl. H01M 50/293 (2021.01) H01M 50/244 (2021.01) H01M 50/258 (2021.01) H01M 50/264 (2021.01)**
[25] EN
[54] **BATTERY TRAY**
[54] **SUPPORT DE BATTERIE**
[72] EVANS, JAMES DANIEL, CA
[71] MOMENT ENERGY INC., CA
[22] 2023-11-10
[41] 2024-05-18
[30] US (17/990,266) 2022-11-18

[21] **3,219,660**
[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01) E04B 2/90 (2006.01)**
[25] EN
[54] **LINING BOARD ARRANGEMENT AND METHOD FOR MOUNTING SAID ARRANGEMENT**
[54] **AGENCEMENT DE PANNEAUX DE REVETEMENT INTERIEUR ET METHODE POUR LE MONTAGE DE CET AGENCEMENT**
[72] TIIROLA, SAMULI, FI
[72] PALOLA, VELI-MATTI, FI
[71] STOFIX OY, FI
[22] 2023-11-10
[41] 2024-05-16
[30] FI (20226028) 2022-11-16

[21] **3,219,805**
[13] A1
[51] **Int.Cl. B29C 65/02 (2006.01) B01D 27/06 (2006.01)**
[25] EN
[54] **WELDING UNIT FOR MACHINE FOR FORMING CAPSULES WITH PLEATED CAPSULE BODY**
[54] **UNITE DE SOUDAGE POUR UNE MACHINE DE FABRICATION DE CAPSULES A CORPS PLISSE**
[72] RAPPARINI, GINO, IT
[72] GENERALI, MAURIZIO, IT
[71] I.C.A. S.P.A., IT
[22] 2023-11-13
[41] 2024-05-16
[30] IT (102022000023571) 2022-11-16

[21] **3,219,806**
[13] A1
[51] **Int.Cl. B62D 55/14 (2006.01) B62D 55/06 (2006.01) B62D 55/08 (2006.01) B62D 55/104 (2006.01)**
[25] EN
[54] **WHEEL ASSEMBLY, TRACK SYSTEM, AND LIGHT-HEAVY DUTY VEHICLE**
[54] **ASSEMBLAGE DE ROUE, SYSTEME DE CHENILLE ET VEHICULE UTILITAIRE LOURD-LEGER**
[72] LANDRY, GABRIEL, CA
[72] SAUVAGEAU, YVES, CA
[72] WRIGHT, GREGORY, CA
[72] NANAC, BRANISLAV, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2023-11-13
[41] 2024-05-14
[30] US (63/425,095) 2022-11-14

[21] **3,219,813**
[13] A1
[51] **Int.Cl. H01M 50/291 (2021.01) H01M 10/613 (2014.01) H01M 10/6556 (2014.01) H01M 50/244 (2021.01) H01M 50/258 (2021.01) H01M 50/264 (2021.01) H01M 50/267 (2021.01)**
[25] EN
[54] **MODULAR BATTERY TRAY**
[54] **SUPPORT DE BATTERIE MODULAIRE**
[72] EVANS, JAMES DANIEL, CA
[71] MOMENT ENERGY INC., CA
[22] 2023-11-13
[41] 2024-05-18
[30] US (17/990,297) 2022-11-18

[21] **3,219,823**
[13] A1
[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/08 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **LUBRICANT RESERVOIR WITH INTEGRATED HEAT EXCHANGER**
[54] **RESERVOIR DE LUBRIFIANT COMPRENANT UN ECHANGEUR DE CHALEUR INTEGRE**
[72] DUROCHER, ERIC, CA
[72] NACCACHE, GABRIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-13
[41] 2024-05-14
[30] US (17/986,515) 2022-11-14

[21] **3,219,825**
[13] A1
[51] **Int.Cl. G06F 30/10 (2020.01) G06T 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING GEOMETRIC FEATURE ASSOCIATIONS FOR 3D MODELS**
[54] **SYSTEME ET METHODE POUR DETERMINER DES ASSOCIATIONS DE CARACTERISTIQUES GEOMETRIQUES POUR DES MODELES 3D**
[72] LAMARRE, SIMON G., CA
[72] DROUIN LABERGE, CLEMENT, CA
[72] BARON, ALAIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-13
[41] 2024-05-14
[30] US (17/986,575) 2022-11-14

[21] **3,219,826**
[13] A1
[51] **Int.Cl. B64C 13/00 (2006.01) B64C 9/38 (2006.01) B64D 29/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING STRUT POSITIONS FOR AN AIRCRAFT PROPULSION SYSTEM STRUT ASSEMBLY**
[54] **SYSTEMES ET METHODES POUR CONTROLER LES POSITIONS DES ENTRETOISES POUR UN ENSEMBLE D'ENTRETOISES D'UN SYSTEME DE PROPULSION D'AERONEF**
[72] AKCAYOZ, ERAY, CA
[72] RAMAMURTHY, RAJA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-13
[41] 2024-05-14
[30] US (17/986,594) 2022-11-14

[21] **3,219,836**
[13] A1
[51] **Int.Cl. A61K 47/18 (2017.01) A61K 9/14 (2006.01) A61K 31/04 (2006.01) A61K 31/18 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **IMPROVED POWDER COMPOSITION FOR DISINFECTION OF THE TEATS OF DAIRY ANIMALS**
[54] **COMPOSITION DE POUDRE AMELIOREE POUR LA DESINFECTION DES TRAYONS D'ANIMAUX LAITIERS**
[72] OLMO, FEDERICO, IT
[71] KLARECO SRL, IT
[22] 2023-11-09
[41] 2024-05-14
[30] EP (22207309.0) 2022-11-14

[21] **3,219,844**
[13] A1
[51] **Int.Cl. F02C 7/14 (2006.01) F01D 25/12 (2006.01)**
[25] EN
[54] **LUBRICANT RESERVOIR WITH INTEGRATED HEAT EXCHANGER**
[54] **RESERVOIR DE LUBRIFIANT COMPRENANT UN ECHANGEUR DE CHALEUR INTEGRE**
[72] DUROCHER, ERIC, CA
[72] NACCACHE, GABRIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-13
[41] 2024-05-14
[30] US (17/986,539) 2022-11-14

[21] **3,219,853**
[13] A1
[25] EN
[54] **AGRICULTURAL MACHINE CONTROL BASED ON CORRECTED OR LOCALIZED DATA SAMPLE VALUES**
[54] **CONTROLE DE MACHINE AGRICOLE AXE SUR DES VALEURS D~ECHANTILLONS DE DONNEES CORRIGEES OU LOCALISEES**
[72] MAHRT, SEAN A, US
[71] DEERE & COMPANY, US
[22] 2023-11-13
[41] 2024-05-14
[30] US (63/383,587) 2022-11-14
[30] US (18/502,592) 2023-11-06

[21] **3,219,884**
[13] A1
[51] **Int.Cl. C09D 147/00 (2006.01) C09D 133/12 (2006.01) C09D 177/06 (2006.01)**
[25] EN
[54] **SELF-CLEANING COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT AUTONETTOYANTE**
[72] CHONG, YONG BING, SG
[72] CHEW, KONG CHIN, SG
[72] HAH, JIA WEN, SG
[72] CHRISTABEL, MADELINE, SG
[71] EVONIK OPERATIONS GMBH, DE
[22] 2023-11-13
[41] 2024-05-18
[30] EP (22208237.2) 2022-11-18

[21] **3,219,904**
[13] A1
[51] **Int.Cl. E02F 3/18 (2006.01) A01B 9/00 (2006.01) A01B 15/02 (2006.01) B60D 3/00 (2006.01) E02F 3/815 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN & RELATING TO POWERED RAKES & ACCESSORIES PROVIDING GRADING**
[54] **AMELIORATIONS DE RATEAUX ELECTRIQUES ET D~ACCESSOIRES DE NIVELAGE**
[72] SHARP, RODNEY WARWICK, NZ
[71] PROGRESSIVE IP LIMITED, NZ
[22] 2023-11-14
[41] 2024-05-15
[30] NZ (794474) 2022-11-15

[21] **3,219,905**
[13] A1
[51] **Int.Cl. B32B 7/027 (2019.01) B32B 13/04 (2006.01) B32B 37/15 (2006.01)**
[25] EN
[54] **GYPSUM PANEL WITH ENHANCED FIRE RESISTANCE**
[54] **PANNEAU DE GYPSE A RESISTANCE AU FEU AMELIOREE**
[72] STAV, ELI, US
[72] BUSCHE, BRADLEY J., US
[72] BAILEY, JOSEPH J.., US
[72] BLAND, BRIAN, US
[72] EVANS, VEDA, US
[72] IYER, R. G., US
[71] GOLD BOND BUILDING PRODUCTS, LLC, US
[22] 2023-11-14
[41] 2024-05-14
[30] US (63/425,069) 2022-11-14

[21] **3,219,910**
[13] A1
[51] **Int.Cl. B32B 13/04 (2006.01) B32B 37/15 (2006.01)**
[25] EN
[54] **GYPSUM PANEL CONTAINING ADDITIVES FOR IMPROVED FIRE RESISTANCE**
[54] **PANNEAU DE GYPSE CONTENANT DES ADDITIFS POUR AMELIORER LA RESISTANCE AU FEU**
[72] STAV, ELI, US
[72] BUSCHE, BRADLEY J., US
[72] IYER, R. G., US
[72] LING, JIE, US
[72] EVANS, VEDA, US
[72] BAILEY, JOSEPH J., US
[71] GOLD BOND BUILDING PRODUCTS, LLC, US
[22] 2023-11-14
[41] 2024-05-14
[30] US (63/425,059) 2022-11-14

[21] **3,219,977**
[13] A1
[51] **Int.Cl. H02K 11/40 (2016.01) H01R 39/38 (2006.01) H02K 5/14 (2006.01) H02K 11/00 (2016.01) H02K 13/00 (2006.01)**
[25] EN
[54] **ELECTRIC MOTOR FAN COVER, END BELL INTERFACE, AND RADIALLY MOUNTED BRUSH HOLDER**
[54] **COUVERCLE DE SOUFFLANTE DE MOTEUR ELECTRIQUE, INTERFACE DE FLASQUE ET PORTE-BALAIS MONTE DE MANIERE RADIALE**
[72] MASK, ROBERT J., III, US
[72] CHRISTIANSEN, BEVAN J., US
[72] SHARUM, MARK J., US
[71] ABB SCHWEIZ AG, CH
[22] 2023-11-14
[41] 2024-05-15
[30] US (17/987,128) 2022-11-15

[21] **3,219,986**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) F16B 2/00 (2006.01)**
[25] EN
[54] **QUICK RELEASE DEVICE AND SYSTEM**
[54] **DISPOSITIF DE LIBERATION RAPIDE ET SYSTEME**
[72] HARPER, JACKSON, CA
[71] RANDOM TUESDAY PRODUCTIONS INC., CA
[22] 2023-11-14
[41] 2024-05-15
[30] US (63/425,382) 2022-11-15
[30] CA (3,181,938) 2022-11-15
[30] US (18/508,969) 2023-11-14

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[21] **3,220,013**
[13] A1
[51] **Int.Cl. A61L 9/013 (2006.01) A01N 63/22 (2020.01) A01K 1/015 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ODOR ADSORBING PET PAD WITH A BIO-ENZYMATIC ODOR REDUCER**
[54] **COUSSIN POUR ANIMAUX ABSORBANT LES ODEURS COMPRENANT UN REDUCTEUR D~ODEUR BIOENZYMATIQUE**
[72] SIMS, BRYAN, US
[71] BEYOND ENVIRONMENTAL, LLC., US
[22] 2023-11-14
[41] 2024-05-16
[30] US (63/384033) 2022-11-16

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[21] **3,220,014**
[13] A1
[51] **Int.Cl. B61D 3/04 (2006.01) B61D 17/00 (2006.01)**
[25] EN
[54] **RAILWAY WAGON WITH IMPROVED LAUNCH BEAM MOUNTING**
[54] **WAGON COMPRENANT UN MONTAGE DE POUTRE DE LANCEMENT AMELIORE**
[72] LINDE, PETER, SE
[71] HELROM GMBH, DE
[22] 2023-11-14
[41] 2024-05-15
[30] EP (22207576.4) 2022-11-15

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[21] **3,220,018**
[13] A1
[51] **Int.Cl. B23P 15/04 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING IMPULSE WHEEL**
[54] **METHODE DE FABRICATION DE TURBINE A ACTION**
[72] LOU, YANCHUN, CN
[72] XIONG, YUNLONG, CN
[72] GAO, YUNBAO, CN
[72] WANG, YU, CN
[72] WANG, ZENGRUI, CN
[72] ZHAO, LING, CN
[72] HAN, ZHI, CN
[72] LI, RUIXIN, CN
[72] WEN, QIULIN, CN
[72] CHEN, RUI, CN
[71] SHENYANG RESEARCH INSTITUTE OF FOUNDRY CO., LTD. CAM, CN
[22] 2023-11-14
[41] 2024-05-17
[30] CN (202211442619.9) 2022-11-17

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[21] **3,220,029**
[13] A1
[51] **Int.Cl. B62D 55/12 (2006.01) B62D 55/08 (2006.01) B62D 55/084 (2006.01)**
[25] EN
[54] **WHEELS, TRACK SYSTEMS, AND WHEEL ASSEMBLIES**
[54] **ROUES, SYSTEMES DE CHENILLE ET ASSEMBLAGES DE ROUE**
[72] LEBLANC, ETIENNE, CA
[72] FRENETTE-MARCOUX, JONATHAN, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2023-11-14
[41] 2024-05-14
[30] US (63/425,103) 2022-11-14

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[21] **3,220,030**
[13] A1
[51] **Int.Cl. A61C 17/06 (2006.01) A61B 1/247 (2006.01) A61C 17/08 (2006.01)**
[25] EN
[54] **HIGH VOLUME EVACUATOR WITH MIRROR SECUREMENT**
[54] **EVACUATEUR DE GRAND VOLUME COMPRENANT UNE FIXATION DE MIROIR**
[72] JOHNSTON, THAD PIERCE, US
[72] STANGO, JAMES CHRISTOPHER, US
[71] JOHNSTON, THAD PIERCE, US
[22] 2023-11-14
[41] 2024-05-17
[30] US (63/426113) 2022-11-17
[30] US (18/379012) 2023-10-11

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[21] **3,220,038**
[13] A1
[51] **Int.Cl. C12P 3/00 (2006.01) A61K 9/51 (2006.01) C01G 49/02 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **A METHOD TO ENABLE NANOPARTICLES STORED WITH A SPECIFIC TYPE OF ASSEMBLY TO MAINTAIN THIS TYPE OF ASSEMBLY UPON RECONSTITUTION**
[54] **METHODE POUR PERMETTRE A DES NANOPARTICULES STOCKEES AVEC UN TYPE PRECIS D~ASSEMBLAGE POUR MAINTENIR CE TYPE D~ASSEMBLAGE A LA RECONSTITUTION**
[72] ALPHANDERY, EDOUARD, FR
[72] CHEBBI, IMENE, FR
[71] NANOBACTERIE, FR
[22] 2023-11-14
[41] 2024-05-15
[30] EP (22020559.5) 2022-11-15
[30] FR (22/12910) 2022-12-07

[21] **3,220,071**
[13] A1
[51] **Int.Cl. E21B 33/068 (2006.01) E21B 43/12 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **CATCHER ASSEMBLY FOR A PLUNGER**
[54] **ASSEMBLAGE RECEPTEUR POUR PLONGEUR**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[72] MITCHUM, DARRELL, US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[22] 2023-11-14
[41] 2024-05-14
[30] US (63/425,231) 2022-11-14

[21] **3,220,083**
[13] A1
[51] **Int.Cl. A63B 21/06 (2006.01)**
[25] EN
[54] **EXERCISE BAR**
[54] **BARRE D'EXERCICE**
[72] CHIASSON, DANY, CA
[71] CHIASSON, DANY, CA
[22] 2023-11-14
[41] 2024-05-14
[30] US (63/383,533) 2022-11-14

[21] **3,220,114**
[13] A1
[51] **Int.Cl. F24C 15/14 (2006.01) F24C 1/00 (2006.01) F24C 11/00 (2006.01)**
[25] FR
[54] **COOKING APPARATUS COMPRISING A COLLECTOR SYSTEM CONFIGURED TO COLLECT DRIPPINGS AND CONDENSATION**
[54] **APPAREIL DE CUISSON COMPRENANT UN DISPOSITIF DE COLLECTE CONFIGURE POUR COLLECTER DES JUS DE CUISSON ET DES CONDENSATS**
[72] DUSSART, MARIE, FR
[72] PETITALLOT, JOHANN, FR
[71] SEB S.A., FR
[22] 2023-11-15
[41] 2024-05-17
[30] FR (FR2211942) 2022-11-17

[21] **3,220,129**
[13] A1
[51] **Int.Cl. B64D 27/35 (2024.01) B64D 33/00 (2006.01) B64D 41/00 (2006.01)**
[25] EN
[54] **ENGINE POWER EXTRACTION SYSTEM AND METHOD FOR USING SAME**
[54] **SYSTEME DE CAPTATION DE LA PUISSANCE MOTEUR ET METHODE D~UTILISATION**
[72] DUROCHER, ERIC S., CA
[72] SMITH, SCOTT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-15
[41] 2024-05-18
[30] US (17/990,320) 2022-11-18

[21] **3,220,142**
[13] A1
[51] **Int.Cl. A63F 9/24 (2006.01) G07F 17/34 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REEL-BASED EVENTS WITH SEED-BASED FEATURE**
[54] **SYSTEME ET METHODE POUR DES EVENEMENTS A BASE DE VIDEO COURTE COMPRENANT UNE FONCTION AXEE SUR UNE VALEUR INITIALE**
[72] BITTO, BRIAN, US
[72] ROTTCHER, HYLTON, US
[72] HEYES, DYLAN, US
[71] GAMES GLOBAL OPERATIONS LIMITED, IM
[22] 2023-11-14
[41] 2024-05-15
[30] US (18/055709) 2022-11-15

[21] **3,220,150**
[13] A1
[51] **Int.Cl. E04F 13/02 (2006.01) B05D 1/36 (2006.01) B32B 27/04 (2006.01) B32B 27/40 (2006.01) B32B 37/15 (2006.01) E04F 15/12 (2006.01)**
[25] EN
[54] **PROTECTIVE SYSTEMS AND METHODS OF FORMING PROTECTIVE SYSTEMS ON AN OUTDOOR WOODEN STRUCTURE**
[54] **SYSTEMES DE PROTECTION ET METHODES DE CONSTRUCTION DE SYSTEMES DE PROTECTION SUR UNE STRUCTURE DE BOIS EXTERIEURE**
[72] JASINSKI, CHRIS, CA
[71] CB INTERESTS INC., CA
[22] 2023-11-15
[41] 2024-05-16
[30] US (63/425,978) 2022-11-16

[21] **3,220,158**
[13] A1
[51] **Int.Cl. B62D 25/20 (2006.01) B62D 29/04 (2006.01)**
[25] EN
[54] **FLOOR ASSEMBLY FOR A CARGO VEHICLE**
[54] **ASSEMBLAGE DE PLANCHER POUR UN VEHICULE DE MARCHANDISES**
[72] WYLEZINSKI, ANDRZEJ, US
[71] WABASH NATIONAL, L.P., US
[22] 2023-11-16
[41] 2024-05-16
[30] US (63/425,892) 2022-11-16

[21] **3,220,177**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WATERMELON VARIETY NUN 32002 WMW**
[54] **MELON D~EAU DE VARIETE NUN 32002 WMW**
[72] ECHEVERRY-SOLARTE, MORGAN, US
[71] NUNHEMS B.V., NL
[22] 2023-11-14
[41] 2024-05-16
[30] US (63/425.903) 2022-11-16

[21] **3,220,182**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WATERMELON VARIETY NUN 32005 WMW**
[54] **MELON D'EAU DE VARIETE NUN 32005 WMW**
[72] ECHEVERRY-SOLARTE, MORGAN, US
[71] NUNHEMS B.V., NL
[22] 2023-11-14
[41] 2024-05-16
[30] US (63/425,903) 2022-11-16

[21] **3,220,184**
[13] A1
[51] **Int.Cl. B61D 3/04 (2006.01) B61D 17/00 (2006.01)**
[25] EN
[54] **RAILWAY WAGON WITH IMPROVED LAUNCH BEAM POSITIONING**
[54] **WAGON COMPRENANT UN POSITIONNEMENT DE POUTRE DE LANCEMENT AMELIORE**
[72] LINDE, PETER, SE
[71] HELROM GMBH, DE
[22] 2023-11-14
[41] 2024-05-15
[30] EP (22207574.9) 2022-11-15

[21] **3,220,197**
[13] A1
[25] EN
[54] **CALIBRATION MECHANISM FOR THERMAL IMAGING SYSTEMS**
[54] **MECANISME D~ETALONNAGE POUR SYSTEMES D~IMAGERIE THERMIQUE**
[72] KREMPEL, LUCAS, DE
[71] ORORATECH GMBH, DE
[22] 2023-11-16
[41] 2024-05-16
[30] LU (LU503071) 2022-11-16

[21] **3,220,207**
[13] A1
[51] **Int.Cl. A63F 9/24 (2006.01) G07F 17/32 (2006.01) G07F 17/34 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REEL-BASED EVENTS WITH GUARANTEE FEATURE**
[54] **SYSTEME ET METHODE POUR DES EVENEMENTS A BASE DE VIDEO COURTE COMPRENANT UNE FONCTION DE GARANTIE**
[72] GASPAR, MICHAEL JOHN, ZA
[72] HARPUR, RORY ANGUS, ZA
[71] GAMES GLOBAL OPERATIONS LIMITED, IM
[22] 2023-11-15
[41] 2024-05-16
[30] US (18/056,039) 2022-11-16

[21] **3,220,213**
[13] A1
[51] **Int.Cl. B01J 23/70 (2006.01) B01J 23/02 (2006.01) B01J 23/72 (2006.01) B01J 23/755 (2006.01) C01B 3/40 (2006.01)**
[25] EN
[54] **CATALYSTS FOR DRY REFORMING OF METHANE AND RELATED METHODS**
[54] **CATALYSEURS POUR LE REFORMAGE A SEC DU METHANE ET METHODES CONNEXES**
[72] SARKAR, PARTHA, CA
[72] NAJAFI, AREF, CA
[72] SHARIF, FARBOD, CA
[72] CHERNYAK, VOLODYMYR, CA
[71] INNOTECH ALBERTA INC., CA
[22] 2023-11-16
[41] 2024-05-18
[30] US (63/384,337) 2022-11-18

[21] **3,220,220**
[13] A1
[51] **Int.Cl. C04B 24/42 (2006.01) A62C 2/06 (2006.01) B28B 1/16 (2006.01) B32B 13/08 (2006.01) B32B 37/15 (2006.01) C04B 28/14 (2006.01) E04C 2/04 (2006.01)**
[25] EN
[54] **FIRE-RESISTANT GYPSUM BOARDS AND METHODS OF MAKING THEM**
[54] **PANNEAUX DE PLATRE RESISTANTS AU FEU ET METHODES DE FABRICATION**
[72] AMATO, DAHLIA, US
[72] LESPIAT, REMI, US
[72] REID, WILLIAM, US
[71] CERTAINTEED GYPSUM, INC., US
[22] 2023-11-16
[41] 2024-05-16
[30] EP (23152888.6) 2023-01-23
[30] US (63/384,059) 2022-11-16

[21] **3,220,224**
[13] A1
[51] **Int.Cl. A01B 35/32 (2006.01) A01B 63/111 (2006.01) A01B 79/00 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **CONTROLLING COMPONENTS OF ROW UNIT BASED ON SOIL STRENGTH**
[54] **CONTROLE DE COMPOSANTS D~UN RAYONNEUR EN FONCTION DE LA RESISTANCE DU SOL**
[72] KRUEGER, KELBY J., US
[72] GARNER, ELIJAH B., US
[72] HUBNER, CARY S., US
[71] DEERE & COMPANY, US
[22] 2023-11-16
[41] 2024-05-18
[30] US (18/056,933) 2022-11-18

[21] **3,220,229**
[13] A1
[51] **Int.Cl. B62B 9/12 (2006.01) B62B 7/00 (2006.01)**
[25] EN
[54] **DINNER TRAY, DINNER TRAY HOLDER AND CHILD CARRIER**
[54] **PLATEAU A REPAS, SUPPORT POUR PLATEAU A REPAS ET PORTE-BEBE**
[72] SUN, MINGXING, CN
[72] YIN, HONGTAO, CN
[71] WONDERLAND SWITZERLAND AG, CH
[22] 2023-11-16
[41] 2024-05-18
[30] CN (202310264980.5) 2023-03-17
[30] CN (202211450979.3) 2022-11-18

[21] **3,220,231**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING WATER HAZARD CONDITIONS PROXIMATE TO A STRUCTURE**
[54] **SYSTEMES ET METHODES POUR DETECTER DES CONDITIONS DE RISQUES LIES A L~EAU A PROXIMITE D~UNE STRUCTURE**
[72] DONOVAN, JOHN R., US
[72] BRANNAN, JOSEPH ROBERT, US
[72] WILLIAMS, AARON, US
[72] STOIBER, JEFFREY WILSON, US
[72] NUSSBAUM, BRYAN R., US
[72] LEFEBRE, ELLAKATE, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-17
[41] 2024-05-18
[30] US (63/426,423) 2022-11-18
[30] US (18/459,334) 2023-08-31

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[51] **Int.Cl. F41A 3/84 (2006.01) F41C 23/06 (2006.01)**
[25] EN
[54] **RECOIL BUFFER ASSEMBLY**
[54] **ASSEMBLAGE D~AMORTISSEUR DE RECUL**
[72] DUBOIS, JASON, US
[71] SMITH & WESSON INC., US
[22] 2023-11-16
[41] 2024-05-17
[30] US (63/426115) 2022-11-17

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[13] A1
[51] **Int.Cl. G06Q 30/0283 (2023.01) G06Q 30/0202 (2023.01) G06Q 30/0211 (2023.01)**
[25] EN
[54] **MARKDOWN AND LIFECYCLE MANAGEMENT**
[54] **GESTION DE LA MINORATION ET DE LA DUREE DE VIE**
[72] FORCADA MARGARIT, ROGER, ES
[72] MUNTSANT SORIA, JAUME, ES
[72] ELIASSON, JENS JOHAN DANIEL, SE
[72] SRIVASTAVA, KRITI, GB
[72] MIAO, XINGHONG, GB
[72] GUELZOW, NICOLAS PETER, DE
[72] RASHIDI, VAHID, US
[72] XU, ZIJIA, GB
[72] ANTA CALLERSTEN, JAVIER, US
[72] TODESCAN, STEFANO, IT
[72] BAK ADAMEK, SEBASTIAN, US
[72] LIND, MARCUS JOHAN ADAM, GB
[71] THE BOSTON CONSULTING GROUP, INC., US
[22] 2023-11-17
[41] 2024-05-17
[30] US (17/989063) 2022-11-17

[21] **3,220,352**
[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 43/04 (2022.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MONITORING NETWORK EVENTS FOR INTRUSION DETECTION**
[54] **METHODES ET APPAREIL POUR SURVEILLER DES EVENEMENTS DE RESEAU AFIN DE DETECTER LES INTRUSIONS**
[72] SALMON, GEOFFREY RYAN, CA
[72] SOLIMAN, HAZEM MOHAMED AHMED, CA
[72] RAO, MOHAN, CA
[71] ARCTIC WOLF NETWORKS, INC., US
[22] 2023-11-17
[41] 2024-05-18
[30] US (18/056,840) 2022-11-18
[30] US (18/352,490) 2023-07-14

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[51] **Int.Cl. H01Q 3/26 (2006.01) B33Y 10/00 (2015.01) H01Q 1/12 (2006.01) H01Q 1/36 (2006.01) H01Q 21/29 (2006.01)**
[25] EN
[54] **DEVICE FOR CONTROLLING RF ELECTROMAGNETIC BEAMS ACCORDING TO THEIR ANGLE OF INCIDENCE, AND MANUFACTURING METHOD**
[54] **DISPOSITIF POUR CONTROLER LES FAISCEAUX ELECTROMAGNETIQUES DE RADIOFREQUENCES SELON LEUR ANGLE D'INCIDENCE ET METHODE DE FABRICATION**
[72] LEGAY, HERVE, FR
[72] STOUMPOS, CHARALAMPOS, FR
[72] FRAYSSE, JEAN-PHILIPPE, FR
[71] THALES, FR
[71] UNIVERSITE DE RENNES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSA DE RENNES, FR
[71] NANTES UNIVERSITE, FR
[71] CENTRALESUPELEC, FR
[22] 2023-11-17
[41] 2024-05-18
[30] FR (2211991) 2022-11-18

[21] **3,220,450**
[13] A1
[25] EN
[54] **IMPROVED PREDICTION WITH LOCAL ILLUMINATION COMPENSATION**
[54] **PREDICTION AMELIOREE A COMPENSATION D~ILLUMINATION LOCALE**
[72] FILIPPOV, ALEXEY KONSTANTINOVICH, US
[72] RUFITSKIY, VASILY ALEXEEVICH, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-17
[41] 2024-05-18
[30] US (63/426,664) 2022-11-18
[30] US (63/463,186) 2023-05-01

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[51] **Int.Cl. F41A 17/40 (2006.01) F41A 3/12 (2006.01)**
[25] EN
[54] **BUFFERED BOLT CATCH**
[54] **ARRETOIR DE CULASSE TAMPONNE**
[72] DUBOIS, JASON, US
[72] CURRY, BRETT, US
[71] SMITH & WESSON INC., US
[22] 2023-11-17
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[30] US (63/426592) 2022-11-18

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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR DETERMINING SKIN DRYNESS**
[54] **.**
[72] SIMPSON, JOHN, GB
[71] SKYROCKET PHYTOPHARMA LTD., GB
[22] 2023-11-17
[41] 2024-05-17
[30] GB (2217251.4) 2022-11-17

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[51] **Int.Cl. F16L 59/12 (2006.01) F16L 59/147 (2006.01) F16L 59/15 (2006.01) F16L 59/16 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR INSULATED CONDUCTING OF FLUIDS**
[54] **APPAREIL, SYSTEME ET METHODE POUR LE TRANSPORT ISOLE DE FLUIDES**
[72] DING, YUCHANG, CA
[72] ZHENG, RONG, CA
[71] PMC PUMPS INC., CA
[22] 2024-03-15
[41] 2024-05-15

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[51] **Int.Cl. E01C 3/00 (2006.01) E01C 5/22 (2006.01) E01C 15/00 (2006.01) E04C 1/00 (2006.01)**
[25] EN
[54] **STACKABLE INTERLOCKING STRUCTURAL FOAM BLOCKS FOR SUPPORTING PATIOS AND OTHER HARDSCAPE BLOCK SYSTEMS**
[54] **BLOCS DE MOUSSE STRUCTURAUX EMPILABLES ET INTERCONNECTABLES POUR SOUTENIR DES PATIOS ET D~AUTRES SYSTEMES DE BLOCS D~AMENAGEMENT PAYSAGER INERTE**
[72] MATYS, TYLER, CA
[71] RISI STONE INC., CA
[22] 2024-03-22
[41] 2024-05-14
[30] US (63/540350) 2023-09-25
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[25] EN
[54] **FABRIC STRUCTURE AND MANUFACTURING METHOD THEREOF**
[54] **STRUCTURE D'ETOFFE ET METHODE DE FABRICATION CONNEXE**
[72] LIN, I-CHIEN, CN
[71] TAYA CANVAS (SHANGHAI) COMPANY LTD, CN
[85] 2023-08-11
[86] 2023-02-13 (PCT/CN2023/075566)
[87] (3208248)
[30] CN (20221140987.X) 2022-11-17

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[13] A1
[51] **Int.Cl. H01M 10/658 (2014.01) H01M 10/617 (2014.01) H01M 50/204 (2021.01)**
[25] EN
[54] **ENERGY STORAGE DEVICE**
[54] **DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] HUO, QIQI, CN
[71] XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., CN
[85] 2023-09-28
[86] 2022-12-22 (PCT/CN2022/141103)
[87] (3213907)
[30] CN (202211438939.7) 2022-11-17

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[25] EN
[54] **MODULAR GAS PROCESSING SYSTEM**
[54] **SYSTEME MODULAIRE DE TRAITEMENT DES GAZ**
[72] WISE, LESLIE MICHAEL, US
[72] GILL, TEJINDER SINGH, CA
[72] OUGH, NATHAN, US
[71] VOLTAGRID LLC, US
[85] 2023-10-12
[86] 2022-11-15 (PCT/US2022/079856)
[87] (3216813)

[21] **3,227,263**
[13] A1
[51] **Int.Cl. H01M 8/18 (2006.01) H01M 10/056 (2010.01) H01M 10/0563 (2010.01)**
[25] EN
[54] **ELECTROLYTE SOLUTIONS AND ALL-VANADIUM REDOX FLOW BATTERIES**
[54] **SOLUTIONS D'ELECTROLYTES ET BATTERIES REDOX COMPLETEMENT AU VANADIUM**
[72] SONG, MINGMING, CN
[72] GAO, XINLIANG, CN
[72] LI, SIYI, CN
[72] WANG, SHIYU, CN
[72] JIANG, SHAN, CN
[71] SUZHOU RONGKE POWER CO., LTD., CN
[85] 2024-01-26
[86] 2023-08-30 (PCT/CN2023/115989)
[87] (3227263)
[30] CN (202211446542.2) 2022-11-18

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[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01)**
[25] EN
[54] **MULTIMODAL DEVICE FOR SPECTRAL AND OCT ACQUISITIONS**
[54] **DISPOSITIF MULTIMODAL POUR LES ACQUISITIONS SPECTRALES ET DE TOMOGRAPHIE PAR COHERENCE OPTIQUE**
[72] LAPOINTE, NICOLAS, CA
[72] DEPAOLI, DAMON, US
[72] SAUVAGEAU, DOMINIC, CA
[71] ZILIA INC., CA
[85] 2024-03-11
[86] 2023-11-15 (PCT/CA2023/051534)
[87] (3231496)
[30] US (63/383,766) 2022-11-15

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[13] A1
[51] **Int.Cl. A24B 3/00 (2006.01) A24B 3/04 (2006.01) B07B 7/01 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REMOVING UNWANTED OBJECTS FROM CUT TOBACCO IN A CUT TOBACCO PRODUCTION LINE**
[54] **DISPOSITIF ET METHODE POUR ELIMINER DES OBJETS NON DESIRES DU TABAC HACHE DANS UNE CHAINE DE FABRICATION DE TABAC HACHE**
[72] HE, BANGHUA, CN
[72] TANG, JUN, CN
[72] YI, BIN, CN
[72] ZHOU, BING, CN
[72] LIN, WENQIANG, CN
[72] CAI, BO, CN
[72] WANG, HAO, CN
[72] GAO, XIAOHUA, CN
[72] LIU, ZE, CN
[72] MA, NING, CN
[72] TANG, GUOZHI, CN
[72] LI, WENQI, CN
[72] TANG, LI, CN
[71] CHINA TOBACCO YUNNAN INDUSTRIAL CO., LTD, CN
[85] 2024-03-20
[86] 2023-02-13 (PCT/CN2023/075665)
[87] (3232504)
[30] CN (202310096208.7) 2023-02-03

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[13] A1
[51] **Int.Cl. B01F 25/46 (2022.01) B01F 23/41 (2022.01)**
[25] EN
[54] **A GUIDING DEVICE FOR GUIDING AN IMPACT HEAD AND A HOMOGENIZING VALVE COMPRISING SAID GUIDING DEVICE**
[54] **DISPOSITIF DE GUIDAGE POUR GUIDER UNE TETE D'IMPACT ET VANNE D'HOMOGENEISATION COMPRENANT UN TEL DISPOSITIF DE GUIDAGE**
[72] MAGNANI, PIERLUIGI, IT
[72] NEGRI, CARLO, IT
[72] FONTANESI, FILIPPO, IT
[72] BENASSI, MASSIMILIANO, IT
[71] GEA MECHANICAL EQUIPMENT ITALIA S.P.A., IT
[85] 2024-05-08
[86] 2023-08-24 (PCT/IB2023/058407)
[87] (3237689)
[30] IT (102022000023643) 2022-11-16

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[51] **Int.Cl. A23L 33/135 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 20/24 (2016.01) A23L 33/15 (2016.01) A23L 33/155 (2016.01) A23L 33/16 (2016.01)**
[25] EN
[54] **PRENATAL SUPPLEMENT COMPOSITIONS FOR INCREASING BREASTMILK MICRONUTRIENT LEVELS**
[54] **COMPOSITIONS DE COMPLEMENT PRENATAL POUR AUGMENTER LES TAUX DE MICRONUTRIMENTS DU LAIT MATERNEL**
[72] CUTFIELD, WAYNE S., NZ
[72] GODFREY, KEITH MALCOLM, GB
[72] CHAN, SHIAO-YNG, SG
[72] HAN, SOO MIN, NZ
[72] VICKERS, MARK H., NZ
[72] DERRAIK, JOSE G. B., NZ
[72] SILVA ZOLEZZI, IRMA, CH
[72] THAKKAR, SAGAR, SG
[72] HUANG, FANG, CN
[72] DEVARAJ, SURABHI, SG
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-05-09
[86] 2022-12-07 (PCT/EP2022/084813)
[87] (WO2023/104892)
[30] US (63/287,782) 2021-12-09
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[13] A1
[51] **Int.Cl. A01K 67/033 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR HANDLING INSECT PRODUCTION TRAYS**
[54] **SYSTEME ET PROCEDE DE MANUTENTION DE BACS DE PRODUCTION D'INSECTES**
[72] CREPIEUX, SEBASTIEN, FR
[71] INVERS, FR
[85] 2024-05-09
[86] 2022-10-13 (PCT/IB2022/059802)
[87] (WO2023/084338)
[30] FR (FR2112002) 2021-11-12

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[51] **Int.Cl. H01L 31/0216 (2014.01) H02S 20/21 (2014.01) H02S 20/22 (2014.01) H02S 20/25 (2014.01) H02S 20/26 (2014.01) H02S 40/20 (2014.01) H01L 31/048 (2014.01)**
[25] EN
[54] **PHOTOVOLTAIC DEVICES**
[54] **DISPOSITIFS PHOTOVOLTAIQUES**
[72] MENSINK, MICHIEL HERMAN, NL
[72] VAN OS, JAN-JAAP EDUARD, NL
[71] EXASUN B.V., NL
[85] 2024-05-09
[86] 2021-11-09 (PCT/NL2021/050688)
[87] (WO2022/098242)
[30] NL (2026856) 2020-11-09

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[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **THREAD PITCH**
[54] **PAS DE FILETAGE**
[72] HAMMARGREN, JOHN, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[85] 2024-05-09
[86] 2022-11-16 (PCT/EP2022/082078)
[87] (WO2023/088939)
[30] EP (21209361.1) 2021-11-19

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[51] **Int.Cl. G06N 3/02 (2006.01) G06F 21/62 (2013.01) G06N 20/00 (2019.01) G06F 40/30 (2020.01) G06N 3/091 (2023.01)**
[25] EN
[54] **MACHINE LEARNING BASED MODELS FOR LABELLING TEXT DATA**
[54] **MODELES BASES SUR L'APPRENTISSAGE AUTOMATIQUE POUR LE MARQUAGE DE DONNEES DE TEXTE**
[72] GUINAMARD, KIERON, GB
[72] STEFANIUK, FILIP, GB
[72] WELLER, SUZANNE, GB
[72] MCFALL, JASON, GB
[72] PAGE, HECTOR, GB
[72] CRIBBIN, PATRICK, GB
[72] MUGRIDGE-WHITE, SOPHIE, GB
[72] RIAZANOV, SERGEI, GB
[71] PRIVITAR LIMITED, GB
[85] 2024-05-09
[86] 2022-11-10 (PCT/GB2022/052852)
[87] (WO2023/084222)
[30] GB (2116139.3) 2021-11-10

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 7/00 (2006.01) C07K 16/18 (2006.01) C12N 5/16 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-C2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-C2 ET LEURS UTILISATIONS**
[72] TSUI, PING, US
[72] JIANG, BINGBING, CN
[72] ZHANG, JIANJUN, CN
[72] XU, YINGYING, CN
[72] HU, XIAOXIA, CN
[72] FEI, DONGQIONG, CN
[72] SONG, WENCHAO, US
[72] MIWA, TAKASHI, US
[72] GULLIPALLI, DAMODAR, US
[72] SATO, SAYAKA, US
[71] KIRA PHARMACEUTICALS (SUZHOU) LTD., CN
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2024-05-09
[86] 2023-01-29 (PCT/CN2023/073730)
[87] (WO2023/143583)
[30] CN (PCT/CN2022/074995) 2022-01-29

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[13] A1
[51] **Int.Cl. G05D 1/00 (2024.01) G05D 3/00 (2006.01)**
[25] EN
[54] **MAPPING PILED GRANULAR MATERIAL IN A BULK STORE**
[54] **CARTOGRAPHIE DE MATERIAU GRANULAIRE EMPILE DANS UN ENTREPOT DE STOCKAGE EN VRAC**
[72] JOHNSON, BENJAMIN H., US
[72] JOHNSON, CHAD E., US
[72] ZENTS, ZANE, US
[71] GRAIN WEEVIL CORPORATION, US
[85] 2024-05-09
[86] 2022-11-09 (PCT/US2022/049356)
[87] (WO2023/086356)
[30] US (63/277,232) 2021-11-09
[30] US (63/320,791) 2022-03-17

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[13] A1
[51] **Int.Cl. A61K 31/675 (2006.01) A61K 47/00 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **TREATMENT OF TREATMENT RESISTANT DEPRESSION WITH PSILOCYBIN**
[54] **TRAITEMENT DE LA DEPRESSION RESISTANTE AU TRAITEMENT AVEC DE LA PSILOCYBINE**
[72] MILL, TREVOR ANTHONY, GB
[72] GOODWIN, GUY MANNING, GB
[72] TSAI, JOYCE, GB
[72] MARWOOD, LINDSEY, GB
[72] MISTRY, SUNIL, GB
[71] COMPASS PATHFINDER LIMITED, GB
[85] 2024-05-09
[86] 2022-11-02 (PCT/US2022/048713)
[87] (WO2023/086252)
[30] US (63/277,407) 2021-11-09
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[51] **Int.Cl. C08G 63/553 (2006.01) C09D 11/101 (2014.01) C09D 11/104 (2014.01) C08G 59/54 (2006.01) C08G 63/685 (2006.01) C08G 69/26 (2006.01)**
[25] EN
[54] **A POLYMER BEING SUITABLE AS INERT COMPONENT OF A RADIATION CURING COATING AND IN PARTICULAR OF A RADIATION CURING INK**
[54] **POLYMERE CONVENANT COMME COMPOSANT INERTE D'UN REVETEMENT DURCISSANT SOUS RAYONNEMENT ET EN PARTICULIER D'UNE ENCRE DURCISSANT SOUS RAYONNEMENT**
[72] BACK, JUSTUS, DE
[72] BICER, TANER, DE
[71] HUBERGROUP DEUTSCHLAND GMBH, DE
[85] 2024-05-09
[86] 2022-11-17 (PCT/EP2022/082261)
[87] (WO2023/094257)
[30] EP (21211073.8) 2021-11-29

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[51] **Int.Cl. G10L 19/018 (2013.01) H04N 21/462 (2011.01) H04N 21/8358 (2011.01) G06F 16/955 (2019.01)**
[25] EN
[54] **SECURE SCALABLE TRANSMISSION OF INAUDIBLE OR ULTRASOUND PACKET URL INSTRUCTIONS FOR SECOND SCREEN APPLICATIONS**
[54] **TRANSMISSION EVOLUTIVE SECURISEE D'INSTRUCTIONS URL PAR PAQUETS INAUDIBLES OU ULTRASONORES POUR DES APPLICATIONS DE DEUXIEME ECRAN**
[72] ABELSON, DANIEL N., US
[72] CHARLESWORTH, ROGER, US
[72] MORRIS, SHANE G. W., US
[72] SMITH, ANDREW, US
[71] AUDAZZIO INC., US
[85] 2024-05-09
[86] 2022-07-25 (PCT/US2022/074121)
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[51] **Int.Cl. C08G 18/08 (2006.01) C08G 18/32 (2006.01)**
[25] EN
[54] **ECO-FRIENDLY POLYURETHANE FOAM USING ALDEHYDE COMPOUND AND DIELS-ALDER REACTION PRODUCTS OF ALDEHYDE COMPOUND AND METHOD FOR FORMING SAME**
[54] **MOUSSE DE POLYURETHANE RESPECTUEUSE DE L~ENVIRONNEMENT UTILISANT UN COMPOSE D~ALDEHYDE ET PRODUIT DE REACTION DE DIELS-ALDER DE COMPOSE ALDEHYDE ET SON PROCEDE DE FORMATION**
[72] LEE, DAISU, KR
[72] LEE, SIHO, KR
[72] YANG, JUN, KR
[71] LEE, DAISU, KR
[71] LEE, SIHO, KR
[71] YANG, JUN, KR
[85] 2024-05-09
[86] 2022-11-10 (PCT/KR2022/017615)
[87] (WO2023/085797)
[30] KR (10-2021-0153788) 2021-11-10

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[13] A1
[51] **Int.Cl. B01D 21/02 (2006.01) B01D 21/24 (2006.01)**
[25] EN
[54] **PORTABLE SETTLING TANK CONFIGURED FOR USE AS A SEDIMENT CONTROL**
[54] **RESERVOIR DE DECANTION PORTATIF CONCU POUR ETRE UTILISE EN TANT QUE CONTROLE DES SEDIMENTS**
[72] ZOCK, MICHAEL A., US
[71] ZOCK, MICHAEL A., US
[85] 2024-05-09
[86] 2021-12-06 (PCT/US2021/062082)
[87] (WO2022/120293)
[30] US (63/121,311) 2020-12-04

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[13] A1
[51] **Int.Cl. B05C 9/12 (2006.01) B30B 11/16 (2006.01) H01M 4/04 (2006.01)**
[25] EN
[54] **ROLL FOR MANUFACTURING ELECTRODE OF SECONDARY BATTERY AND ELECTRODE MANUFACTURING DEVICE USING THE SAME**
[54] **ROULEAU DE FABRICATION D'ELECTRODES DE BATTERIES SECONDAIRES ET APPAREIL DE FABRICATION D'ELECTRODES ASSOCIE**
[72] KIM, SUE JIN, KR
[72] RYU, DUK HYUN, KR
[72] LEE, KWANHEE, KR
[72] JANG, JINSU, KR
[72] LEE, YUNJU, KR
[72] PARK, GEUNHO, KR
[72] SON, SEUNGYEON, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-09
[86] 2022-11-10 (PCT/KR2022/017614)
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[30] KR (10-2021-0155217) 2021-11-11
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[54] **ARTHROPLASTY IMPLANT SYSTEMS WITH STEMLESS IMPLANTS**
[54] **SYSTEMES D'IMPLANT D'ARTHROPLASTIE AVEC IMPLANTS SANS TIGE**
[72] PATERSON, JOHN DAVID, US
[72] KNIGHT, MICHAEL ALAN, US
[71] ARTHREX, INC., US
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[54] **SYSTEMS AND METHODS FOR MECHANICAL POLISHING**
[54] **SYSTEMES ET PROCEDES DE POLISSAGE MECANIQUE**
[72] MENESES, J. LOUIE, CA
[72] MARTINO, DAVIDE, CA
[71] SYBRIDGE TECHNOLOGIES U.S. INC., US
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[54] **SYSTEMS AND METHODS INCORPORATING MODIFIED T-CELLS**
[54] **SYSTEMES ET PROCEDES INCORPORANT DES LYMPHOCYTES T MODIFIES**
[72] DAVIS, MARK M., US
[72] CHEN, XIN, US
[72] GHANIZADA, MUSTAFA, DK
[72] MALLAJOSYULA, VENKATA VAMSEE ADITYA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[54] **SPRING MATTRESS AND METHOD FOR ASSEMBLING A SPRING MATTRESS**
[54] **MATELAS A RESSORTS ET PROCEDE D'ASSEMBLAGE DE MATELAS A RESSORTS**
[72] RIVIERE, JULIETTE, FR
[71] ADOVA GROUP, FR
[85] 2024-05-09
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[54] **INTEGRATED GREEN ENERGY AND SELECTIVE THERMO MOLECULAR SEPARATION SYSTEM, AND PROCESS OF GENERATING ELECTRICITY AND CAPTURING PREDETERMINED MOLECULES IN SURROUNDING ENVIRONMENT**
[54] **SYSTEME DE SEPARATION THERMO-MOLECULAIRE A ENERGIE VERTE ET BLEUE INTEGREE D'ENERGIE VERTE ET SELECTIF, ET PROCEDE DE GENERATION D'ELECTRICITE ET DE SEPARATION ET DE CAPTURE SELECTIVES DE MOLECULES PREDEFINIES PRESENTES DANS UN ENVIRONNEMENT AMBIAN**
[72] AREFI, BABAK BOB, US
[71] AREFI, BABAK BOB, US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/049689)
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[25] EN
[54] **PROCESS FOR UPGRADING AN OXYGENATE FEEDSTOOK INTO HYDROCARBON FRACTIONS AND OTHER APPLICATIONS**
[54] **PROCEDE DE VALORISATION D'UNE CHARGE D'ALIMENTATION OXYGENEE EN FRACTIONS D'HYDROCARBURES ET AUTRES APPLICATIONS**
[72] LARRAZ MORA, RAFAEL, ES
[72] AYUSO MARTIN, CARLOS, ES
[72] FRONTELA DELGADO, JUANA MARIA, ES
[72] RODRIGUEZ DE LA NUEZ, FERNANDO ARIDANE, ES
[71] COMPANIA ESPANOLA DE PETROLEOS, S.A., ES
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[25] EN
[54] **MODULAR STEMLESS IMPLANTS FOR ARTHROPLASTY IMPLANT SYSTEMS**
[54] **IMPLANTS SANS TIGE MODULAIRES POUR SYSTEMES D'IMPLANT D'ARTHROPLASTIE**
[72] PATERSON, JOHN DAVID, US
[72] KNIGHT, MICHAEL, US
[72] DENARD, PATRICK J., US
[71] ARTHREX, INC., US
[85] 2024-05-09
[86] 2022-11-10 (PCT/US2022/079595)
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[25] EN
[54] **MARKERS AND CELLULAR ANTECEDENTS OF RHEUMATOID ARTHRITIS FLARES**
[54] **MARQUEURS ET ANTECEDENTS CELLULAIRES DE CRISES DE POLYARTHRITE RHUMATOIDE**
[72] DARNELL, ROBERT B., US
[72] ORANGE, DANA, US
[71] THE ROCKEFELLER UNIVERSITY, US
[85] 2024-05-09
[86] 2022-11-25 (PCT/US2022/051005)
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[51] **Int.Cl. A47B 13/02 (2006.01)**
[25] EN
[54] **LIFTING DESK SUPPORT HAVING RAPID MOUNTING STRUCTURES, AND LIFTING DESK**
[54] **SUPPORT DE BUREAU REGLABLE EN HAUTEUR AYANT DES STRUCTURES DE MONTAGE RAPIDE, ET BUREAU REGLABLE EN HAUTEUR**
[72] LIU, BIN, CN
[72] XU, JINDONG, CN
[72] WANG, HUILONG, CN
[71] CHANGZHOU KAIDI ELECTRICAL CO., LTD., CN
[85] 2024-05-10
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[51] **Int.Cl. B65D 63/10 (2006.01)**
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[54] **EMBOSSED PLASTIC STRAP AND METHOD OF MANUFACTURE**
[54] **SANGLE EN PLASTIQUE GAUFREE ET SON PROCEDE DE FABRICATION**
[72] MOGHAL, JONATHAN MUBARAK ALI, GB
[72] GREENFIELD, MARK JAMES, GB
[72] VYAS, GAURAV MAHESHKUMAR, GB
[72] CLAYTON, DARREN GARY, GB
[72] LEINE, GUIDO, NL
[71] SIGNODE INDUSTRIAL GROUP LLC, US
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[86] 2023-07-26 (PCT/US2023/028751)
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[25] EN
[54] **FILTER FOR SMOKING OR VAPING ARTICLE COMPRISING A TWO-LAYER MATERIAL**
[54] **FILTRE POUR ARTICLE A FUMER OU VAPOTER COMPRENANT UN MATERIAU A DEUX COUCHES**
[72] RAVERDY-LAMBERT, DIANE, FR
[72] GUILCHET, PATRICK, FR
[71] SWM HOLDCO LUXEMBOURG, LU
[85] 2024-05-10
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[54] **MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF**
[54] **PEPTIDES IMMUNOGENES MAGEA1, PROTEINES DE LIAISON RECONNAISSANT LES PEPTIDES IMMUNOGENES MAGEA1, ET LEURS UTILISATIONS**
[72] WANG, YIFAN, US
[72] TADROS, JENNY, US
[72] NABILSI, NANCY, US
[72] MACBEATH, GAVIN, US
[72] SCHOENFELD, JONATHAN, US
[72] WUCHERPFENNIG, KAI, US
[71] TSCAN THERAPEUTICS, INC., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2024-05-08
[86] 2022-11-10 (PCT/US2022/049556)
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[30] US (63/277,924) 2021-11-10
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[54] **IONIZABLE CATIONIC LIPIDS FOR RNA DELIVERY**
[54] **LIPIDES CATIONIQUES IONISABLES POUR L'ACHEMINEMENT D'ARN**
[72] RAJAPPAN, KUMAR, US
[72] TANIS, STEVEN, US
[72] SAGI, AMIT, US
[72] KARMALI, PRIYA PRAKASH, US
[72] CHIVUKULA, PADMANABH, US
[71] ARCTURUS THERAPEUTICS, INC., US
[85] 2024-05-08
[86] 2022-11-10 (PCT/US2022/049607)
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[30] US (63/278,242) 2021-11-11

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[51] **Int.Cl. A61K 39/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS, AND KITS FOR MODIFYING IMMUNE CELL ACTIVITY VIA KIR2DL5**
[54] **METHODES, COMPOSITIONS ET KITS POUR MODIFIER L'ACTIVITE DES CELLULES IMMUNITAIRES PAR L'INTERMEDIAIRE DE KIR2DL5**
[72] ZANG, XINGXING, US
[72] REN, XIAOXIN, US
[72] WEI, YAO, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US
[85] 2024-05-08
[86] 2022-11-07 (PCT/US2022/079401)
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[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/04 (2012.01) E21B 47/06 (2012.01) G01V 1/30 (2006.01)**
[25] EN
[54] **LINEAR INVERSION OF MICROSEISMIC EVENT LOCATION USING SEISMIC DATA IMAGE FILE ATTRIBUTES**
[54] **INVERSION LINEAIRE D'EMPLACEMENT D'EVENEMENT MICROSISMIQUE A L'AIDE D'ATTRIBUTS DE FICHIER D'IMAGE DE DONNEES SISMIQUES**
[72] MIZUNO, TAKASHI, US
[72] BETTINELLI, PIERRE, RO
[72] LE CALVEZ, JOEL HERVE, US
[72] NUHN, ZACHARY, US
[72] FUNDYTUS, NICHOLAS, CA
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-08
[86] 2022-11-11 (PCT/US2022/049698)
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[51] **Int.Cl. C07K 14/705 (2006.01) A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **METHOD OF TREATING GEOGRAPHIC ATROPHY WITH A GENE THERAPY VECTOR EXPRESSING SOLUBLE CD59**
[54] **METHODE DE TRAITEMENT D'UNE ATROPHIE GEOGRAPHIQUE AVEC UN VECTEUR DE THERAPIE GENIQUE EXPRIMANT CD59 SOLUBLE**
[72] ROGERS, ADAM, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-08
[86] 2022-11-18 (PCT/IB2022/061158)
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[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q 1/70 (2006.01) G01N 33/569 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR NUCLEIC ACID EXTRACTION-FREE STI PATHOGEN TESTING**
[54] **DISPOSITIFS ET PROCEDES DE TEST D'AGENTS PATHOGENES DE MST SANS EXTRACTION D'ACIDES NUCLEIQUES**
[72] BLOMQUIST, ROBERT E., US
[72] LU, SHI-LONG, US
[71] SUMMIT BIOLABS, INC., US
[85] 2024-05-08
[86] 2022-10-24 (PCT/US2022/047564)
[87] (WO2023/081029)
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[25] EN
[54] **CANCER BIOMARKERS FOR IMMUNE CHECKPOINT INHIBITORS**
[54] **BIOMARQUEURS DU CANCER POUR INHIBITEURS DU POINT DE CONTROLE IMMUNITAIRE**
[72] RHODES, DANIEL REED, US
[72] TOMLINS, SCOTT ARTHUR, US
[72] JOHNSON, DAVID BRYAN, US
[72] KHAZANOV, NIKOLAY, US
[71] STRATA ONCOLOGY, INC., US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/049332)
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[30] US (63/277,158) 2021-11-08
[30] US (63/407,606) 2022-09-16

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[51] **Int.Cl. C07K 1/02 (2006.01) C07B 61/00 (2006.01) C07C 227/18 (2006.01) A61K 38/12 (2006.01) A61P 35/00 (2006.01) C07C 229/00 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING N-ALKYL AMINO ACID AND PEPTIDE INCLUDING N-ALKYL AMINO ACID**
[54] **PROCEDE DE PRODUCTION D'ACIDE AMINE N-ALKYLIQUE ET PEPTIDE COMPRENANT UN ACIDE AMINE N-ALKYLIQUE**
[72] KOMIYA, SHIO, JP
[72] HOU, ZENGYE, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2024-05-08
[86] 2022-12-27 (PCT/JP2022/048135)
[87] (WO2023/127869)
[30] JP (2021-214900) 2021-12-28
[30] JP (2022-168608) 2022-10-20

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[51] **Int.Cl. G02B 6/44 (2006.01)**
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[54] **RACK MOUNTABLE PANEL FOR OPTIMIZING SLACK STORAGE AND MANAGEMENT OF OPTICAL FIBER CABLES**
[54] **PANNEAU POUVANT ETRE MONTE SUR UN BATI POUR OPTIMISER LE STOCKAGE ET LA GESTION DU MOU DE CABLES A FIBRES OPTIQUES**
[72] DONCHEV, STEFAN, GB
[71] OPTERNA AM, INC., US
[85] 2024-05-10
[86] 2022-11-10 (PCT/US2022/049577)
[87] (WO2023/086491)
[30] US (63/263,827) 2021-11-10

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[51] **Int.Cl. B29C 53/60 (2006.01) B29C 53/80 (2006.01)**
[25] EN
[54] **DEVICE FOR STABILIZING LOCALIZED DOME REINFORCEMENT**
[54] **DISPOSITIF POUR STABILISER UN RENFORCEMENT DE DOME LOCALISE**
[72] YEGGY, BRIAN, US
[72] HUMPHREY, COLLIN, US
[71] HEXAGON TECHNOLOGY AS, NO
[85] 2024-05-10
[86] 2022-12-08 (PCT/US2022/052247)
[87] (WO2023/121880)
[30] US (63/293,279) 2021-12-23
[30] US (18/076,551) 2022-12-07

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[51] **Int.Cl. A61K 49/00 (2006.01) C12Q 1/00 (2006.01) C12Q 1/54 (2006.01) G01N 27/327 (2006.01) G01N 27/416 (2006.01) G01N 33/487 (2006.01)**
[25] EN
[54] **ANALYTE SENSORS FOR SENSING GLUTAMATE AND METHODS OF USING THE SAME**
[54] **CAPTEURS D'ANALYTE POUR DETECTER LE GLUTAMATE ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] OZEL, RIFAT EMRAH, US
[72] OJA, STEPHEN, US
[72] FELDMAN, BENJAMIN J., US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-05-10
[86] 2022-11-14 (PCT/US2022/079837)
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[30] US (63/281,243) 2021-11-19

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[51] **Int.Cl. C07D 417/14 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CHROMANE AMIDINE MONOBACTAM ANTIBIOTICS**
[54] **ANTIBIOTIQUES MONOBACTAMS DE CHROMANE AMIDINE**
[72] CHEN, HELEN Y., US
[72] DONG, SHUZHI, US
[72] HU, ZHIYONG, US
[72] SU, JING, US
[72] YU, TAO, US
[72] ZHANG, YONG, US
[71] MERCK SHARP & DOHME LLC, US
[85] 2024-05-10
[86] 2022-11-16 (PCT/US2022/050027)
[87] (WO2023/091438)
[30] US (63/280,728) 2021-11-18
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[51] **Int.Cl. A61B 34/32 (2016.01) A01K 1/03 (2006.01)**
[25] EN
[54] **ROBOTIC SYSTEM AND METHOD FOR PRECISE ORGAN EXCISION TECHNOLOGY**
[54] **SYSTEME ROBOTIQUE ET METHODE POUR UNE TECHNOLOGIE D'EXCISION D'ORGANE PRECISE**
[72] WEBB, JOE, US
[71] VITALITY ROBOTICS INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049662)
[87] (WO2023/086544)
[30] US (63/278,478) 2021-11-11

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[51] **Int.Cl. F25D 13/06 (2006.01)**
[25] EN
[54] **COOLING DRUM FOR FREEZING GRANULES AND ROTARY FREEZING DEVICE**
[54] **TAMBOUR DE REFROIDISSEMENT POUR CONGELER DE LA MATIERE PARTICULAIRE, ET CONGELATEUR ROTATIF**
[72] MIURA, JUN, JP
[72] KATO, MASASHI, JP
[72] HANAZAKI, MASAAKI, JP
[72] ITO, HIROKI, JP
[72] SUGIYAMA, TOSHIKAZU, JP
[71] MAYEKAWA MFG. CO., LTD., JP
[85] 2024-05-10
[86] 2022-11-10 (PCT/JP2022/041850)
[87] (WO2023/085345)
[30] JP (2021-185878) 2021-11-15

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[51] **Int.Cl. H01M 50/536 (2021.01) B23K 26/21 (2014.01)**
[25] EN
[54] **JIG FOR WELDING**
[54] **GABARIT DE SOUDAGE**
[72] LEE, JUN HO, KR
[71] LG ENERGY SOLUTION, LTD., KR
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[86] 2022-12-21 (PCT/KR2022/020980)
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[30] KR (10-2021-0186536) 2021-12-23
[30] KR (10-2022-0178491) 2022-12-19

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[51] **Int.Cl. B01D 53/22 (2006.01) B01D 67/00 (2006.01) B01D 69/02 (2006.01) B01D 69/12 (2006.01) B01D 71/36 (2006.01) B01D 71/44 (2006.01)**
[25] EN
[54] **POLY(IONIC LIQUID)S COMPOSITE FOR ABSORPTION AND SEPARATION**
[54] **COMPOSITE DE POLY(LIQUIDES IONIQUES) A DES FINS D'ABSORPTION ET DE SEPARATION**
[72] RAN, SHAOFENG, US
[72] SHAFER, GREGORY J., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2024-05-10
[86] 2022-11-14 (PCT/US2022/049798)
[87] (WO2023/091369)
[30] US (63/281,235) 2021-11-19

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[51] **Int.Cl. A23L 3/36 (2006.01) F25D 13/00 (2006.01) F25D 13/06 (2006.01) F25D 23/00 (2006.01)**
[25] EN
[54] **ROTARY FREEZING DEVICE FOR FREEZING GRANULES**
[54] **DISPOSITIF DE CONGELATION ROTATIF DESTINE A CONGELER UNE MATIERE PARTICULAIRE**
[72] MIURA, JUN, JP
[72] KATO, MASASHI, JP
[72] HANAZAKI, MASAAKI, JP
[72] ITO, HIROKI, JP
[72] SUGIYAMA, TOSHIKAZU, JP
[71] MAYEKAWA MFG. CO., LTD., JP
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[51] **Int.Cl. A61N 5/10 (2006.01)**
[25] EN
[54] **BASE DOSE CALCULATION**
[54] **CALCUL DE DOSE DE BASE**
[72] ABBOTT, ELLIOT M., US
[72] TURNER, ADAM, US
[72] BRACHMAN, DAVID, US
[72] PIPER, JONATHAN, US
[71] MIM SOFTWARE INC., US
[71] GT MEDICAL TECHNOLOGIES, INC., US
[85] 2024-05-10
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[87] (WO2023/086588)
[30] US (63/263,909) 2021-11-11

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[51] **Int.Cl. A61K 31/37 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING UROLITHIN FOR TREATING MUSCLE DECLINE AND A KIDNEY DYSFUNCTION**
[54] **COMPOSITIONS COMPRENANT DE L'UROLITHINE POUR TRAITER LE DECLIN MUSCULAIRE ET UN DYSFONCTIONNEMENT RENAL**
[72] SORRENTINO, VINCENZO, CH
[72] KARAZ, SONIA, CH
[72] VON EYNATTEN, MAXIMILIAN, CH
[72] ROESSLE, CLAUDIA, CH
[72] FEIGE, JEROME, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-05-10
[86] 2022-12-15 (PCT/EP2022/086049)
[87] (WO2023/117659)
[30] US (63/265,711) 2021-12-20
[30] US (63/354,317) 2022-06-22

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[51] **Int.Cl. C07C 229/08 (2006.01) A61K 47/55 (2017.01) C07C 229/28 (2006.01) C07C 271/48 (2006.01) C07C 271/54 (2006.01)**
[25] EN
[54] **NEW CANNABINOID-GABAPENTINOID CONJUGATES AND USES THEREOF**
[54] **NOUVEAUX CONJUGUES CANNABINOIDES-GABAPENTINOIDES ET LEURS UTILISATIONS**
[72] MOUSTAFA, MAHMOUD MOHAMED ABDRABO, CA
[71] LONDON PHARMACEUTICALS AND RESEARCH CORPORATION, CA
[85] 2024-05-10
[86] 2022-11-10 (PCT/CA2022/051659)
[87] (WO2023/082003)
[30] US (63/277,745) 2021-11-10

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[13] A1
[51] **Int.Cl. C01G 39/00 (2006.01)**
[25] EN
[54] **AMMONIUM OCTAMOLYBDATE - METAL HYDROXIDE COMPLEXES AND USES THEREOF AS SMOKE SUPPRESSANTS**
[54] **COMPLEXES OCTAMOLYBDATE D'AMMONIUM-HYDROXYDE METALLIQUE ET LEURS UTILISATIONS COMME SUPPRESSEURS DE FUMEE**
[72] LIU, YUE, US
[72] ISAROV, ALEKSEY, US
[72] HELMS, ROBIN BRUMBY, US
[72] PROWETT, ERIN COMBES, US
[71] J.M. HUBER CORPORATION, US
[85] 2024-05-10
[86] 2022-12-19 (PCT/US2022/081959)
[87] (WO2023/122552)
[30] US (63/291,991) 2021-12-21

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[13] A1
[51] **Int.Cl. C12Q 1/6827 (2018.01)**
[25] EN
[54] **SAMPLE CONTAMINATION DETECTION OF CONTAMINATED FRAGMENTS FOR CANCER CLASSIFICATION**
[54] **DETECTION DE CONTAMINATION D'ECHANTILLON DE FRAGMENTS CONTAMINES POUR CLASSIFICATION DU CANCER**
[72] GROSS, SAMUEL S., US
[72] BAGARIA, SIDDHARTHA, US
[71] GRAIL, LLC, US
[85] 2024-05-10
[86] 2022-11-23 (PCT/US2022/080431)
[87] (WO2023/097278)
[30] US (63/282,509) 2021-11-23

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[13] A1
[51] **Int.Cl. H01M 4/90 (2006.01) H01M 4/92 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **ELECTRODE CATALYST INCLUDING IRIDIUM OXIDE NANOSHEET AS PROMOTER**
[54] **CATALYSEUR D'ELECTRODE COMPORTANT UNE NANOFEUILLE D'OXYDE D'IRIDIUM EN TANT QUE PROMOTEUR CATALYTIQUE**
[72] SUGIMOTO, WATARU, JP
[72] HUANG, TING-WEI, JP
[71] SHINSHU UNIVERSITY, JP
[85] 2024-05-10
[86] 2022-09-22 (PCT/JP2022/035320)
[87] (WO2023/095431)
[30] JP (2021-192613) 2021-11-28

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[51] **Int.Cl. A01G 15/00 (2006.01) A01G 33/00 (2006.01) B63B 22/00 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING OCEAN-BASED CARBON DIOXIDE REMOVAL DEVICES AND ACCUMULATION OF A TARGET PRODUCT**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE DISPOSITIFS D'ELIMINATION DU GAZ CARBONIQUE OCEANIQUES ET D'ACCUMULATION D'UN PRODUIT CIBLE**
[72] DYSON, TIMOTHY J., US
[72] HAGLER, JACOB F., US
[72] HALVORSON, CHARLES B. W., US
[72] WERMINGHAUSEN, PHILIPP MAX, US
[72] THOMPSON, ANDREW CLYDE, US
[72] HILL, JOSH, US
[72] MASTRANGELO, LUCA, US
[72] JOHNSON, WILLIAM, US
[71] RUNNING TIDE TECHNOLOGIES, INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/079746)
[87] (WO2023/086957)
[30] US (63/278,243) 2021-11-11

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[13] A1
[51] **Int.Cl. H01F 7/08 (2006.01) H01H 3/60 (2006.01) H01H 33/66 (2006.01)**
[25] EN
[54] **VACUUM INTERRUPTER ANTI-BOUNCE DAMPENER**
[54] **AMORTISSEUR ANTI-REBONDISSEMENT POUR INTERRUPTEUR A VIDE**
[72] FANTA, THOMAS OLIN, US
[72] RUSEV, TSVETAN, US
[72] GARDNER, ADAM, US
[71] S&C ELECTRIC COMPANY, US
[85] 2024-05-10
[86] 2022-10-11 (PCT/US2022/046310)
[87] (WO2023/086179)
[30] US (63/278,217) 2021-11-11

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[13] A1
[51] **Int.Cl. B62M 27/02 (2006.01) B60L 50/64 (2019.01) B62J 43/16 (2020.01) B62J 43/28 (2020.01)**
[25] EN
[54] **AN ELECTRIC SNOWMOBILE COMPRISING AN ENCAPSULATING BODY THAT COVERS THE BATTERY PACKAGE**
[54] **MOTONEIGE ELECTRIQUE COMPRENANT UN CORPS D'ENCAPSULATION QUI RECOUVRE LE BOITIER DE BATTERIE**
[72] HAAVIKKO, OLLI, FI
[72] AUTIONIEMI, MATTI, FI
[72] NISKANEN, JORI-JAAKKO, FI
[71] AURORA POWERTRAINS OY, FI
[85] 2024-05-08
[86] 2022-11-04 (PCT/FI2022/050726)
[87] (WO2023/079214)
[30] FI (20216149) 2021-11-08

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[51] **Int.Cl. C02F 1/68 (2006.01) C02F 3/12 (2006.01) G01N 33/18 (2006.01) B01D 61/08 (2006.01)**
[25] EN
[54] **FLUORESCENCE DETECTION OF SULFITE IN WATER TREATMENT APPLICATIONS**
[54] **DETECTION DE FLUORESCENCE DE SULFITE DANS DES APPLICATIONS DE TRAITEMENT DE L'EAU**
[72] PETTYGROVE, MEGAN, US
[72] JEFFERS, ROBERT, US
[72] BOUDREAUX, KEVIN, US
[72] BANERJEE, SANTANU, US
[71] CHEMTREAT, INC, US
[85] 2024-05-10
[86] 2022-12-07 (PCT/US2022/052109)
[87] (WO2023/107545)
[30] US (63/286,791) 2021-12-07

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[13] A1
[51] **Int.Cl. B62B 17/04 (2006.01) B62B 13/06 (2006.01)**
[25] EN
[54] **FRONT SUSPENSION FOR AN ELECTRIC SNOWMOBILE**
[54] **SUSPENSION AVANT POUR MOTONEIGE ELECTRIQUE**
[72] HAAVIKKO, OLLI, FI
[72] AUTIONIEMI, MATTI, FI
[72] NISKANEN, JORI-JAAKKO, FI
[71] AURORA POWERTRAINS OY, FI
[85] 2024-05-08
[86] 2022-11-04 (PCT/FI2022/050727)
[87] (WO2023/079215)
[30] FI (20216150) 2021-11-08

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[13] A1
[51] **Int.Cl. C07D 233/64 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **METHODS OF PREPARING SUBSTITUTED PYRAZOLOPYRIMIDINES**
[54] **PROCEDES DE PREPARATION DE PYRAZOLOPYRIMIDINES SUBSTITUEES**
[72] WILT, JEREMY CLINTON, US
[71] KSQ THERAPEUTICS, INC., US
[85] 2024-05-10
[86] 2022-12-08 (PCT/US2022/081150)
[87] (WO2023/108048)
[30] US (63/287,623) 2021-12-09

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C07K 14/415 (2006.01) C12N 9/22 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PROMOTER ELEMENTS FOR IMPROVED POLYNUCLEOTIDE EXPRESSION IN PLANTS**
[54] **ELEMENTS DE PROMOTEUR POUR EXPRESSION DE POLYNUCLEOTIDE AMELIOREE DANS DES PLANTES**
[72] JOHNSON, ROSS A., US
[71] BENSON HILL, INC., US
[85] 2024-05-08
[86] 2022-11-09 (PCT/IB2022/060794)
[87] (WO2023/084416)
[30] US (63/277,370) 2021-11-09

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[13] A1
[51] **Int.Cl. F15C 3/04 (2006.01) B25J 9/20 (2006.01)**
[25] EN
[54] **MICROFLUIDIC VALVES AND CHANNELS AND MINIFLUIDIC VALVES AND CHANNELS ENABLED SOFT ROBOTIC DEVICE, APPAREL, AND METHOD**
[54] **DISPOSITIF ROBOTIQUE SOUPLE A VANNES ET CANAUX MICROFLUIDIQUES ET VANNES ET CANAUX MINIFLUIDIQUES, VETEMENT ET PROCEDE**
[72] REN, CAROLYN L., CA
[72] DICKERSON, CLARK R., CA
[72] GAO, RUN ZE, CA
[72] LEE, PETER S., CA
[72] MAI, VIVIAN NGOC TRAM, CA
[72] KORMYLO, JACQUELINE MARY, CA
[71] REN, CAROLYN L., CA
[71] DICKERSON, CLARK R., CA
[71] GAO, RUN ZE, CA
[71] LEE, PETER S., CA
[71] MAI, VIVIAN NGOC TRAM, CA
[71] KORMYLO, JACQUELINE MARY, CA
[85] 2024-05-10
[86] 2022-11-14 (PCT/CA2022/051677)
[87] (WO2023/082019)
[30] US (63/279,105) 2021-11-13

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[13] A1
[51] **Int.Cl. C25B 1/01 (2021.01) C25B 15/02 (2021.01) C25B 15/04 (2006.01) C25B 15/08 (2006.01) C25C 3/00 (2006.01) C25D 17/10 (2006.01) C25B 15/06 (2006.01)**
[25] EN
[54] **ELECTROLYZER WITH HORIZONTAL CATHODE**
[54] **ELECTROLYSEUR A CATHODE HORIZONTALE**
[72] TYAGI, VIPIN, US
[72] NAIK, AMOL, US
[72] KRISHNA, BHASKAR, US
[72] KUMAR, DHURVENDER, US
[72] CHADHA, NISHCHAY, US
[71] VERDEEN CHEMICALS INC., US
[85] 2024-05-10
[86] 2022-12-10 (PCT/US2022/052469)
[87] (WO2023/129359)
[30] US (17/567,046) 2021-12-31

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[13] A1
[51] **Int.Cl. B81B 1/00 (2006.01) B81B 7/04 (2006.01) H01L 23/48 (2006.01) H01L 31/08 (2006.01) H05K 1/16 (2006.01)**
[25] EN
[54] **MICROFLUIDICS DEVICES AND METHODS**
[54] **DISPOSITIFS MICROFLUIDIQUES ET PROCEDES**
[72] VON DER ECKEN, SEBASTIAN, CA
[72] WHEELER, AARON R., CA
[72] CHAMBERLAIN, MICHAEL DEAN, CA
[72] SKLAVOUNOS, ALEXANDROS, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2024-05-09
[86] 2022-11-10 (PCT/CA2022/051661)
[87] (WO2023/082005)
[30] US (63/278,787) 2021-11-12

[21] **3,237,968**
[13] A1
[51] **Int.Cl. C07C 69/675 (2006.01) C07C 67/03 (2006.01) C07C 67/31 (2006.01) C07C 69/738 (2006.01) C07H 13/04 (2006.01)**
[25] EN
[54] **POLYOL-DERIVED COMPOUNDS**
[54] **COMPOSES DERIVES DE POLYOL**
[72] MAYERHOEFFER, ULRICH, CH
[72] BENZ, SEBASTIAN, CH
[72] MICHEL, JANIS, CH
[72] DARDANO, FLORIAN, CH
[72] HAEDENER, MARIANNE, CH
[71] ARXADA AG, CH
[85] 2024-05-10
[86] 2022-10-18 (PCT/EP2022/078986)
[87] (WO2023/083570)
[30] EP (21208071.7) 2021-11-12

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[13] A1
[51] **Int.Cl. A61M 1/14 (2006.01) A61B 50/13 (2016.01) A61M 1/16 (2006.01) A61M 1/28 (2006.01)**
[25] EN
[54] **LEAK DETECTOR ON MOVABLE MEDICAL DEVICE**
[54] **DETECTEUR DE FUITE SUR UN DISPOSITIF MEDICAL MOBILE**
[72] YUDS, DAVID, US
[72] WEAVER, COLIN, US
[72] CRNKOVICH, MARTIN JOSEPH, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2024-05-09
[86] 2022-11-10 (PCT/US2022/049495)
[87] (WO2023/096754)
[30] US (17/533,476) 2021-11-23

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[13] A1
[51] **Int.Cl. B63H 19/02 (2006.01) B63G 8/08 (2006.01) B63G 8/20 (2006.01) B63G 8/22 (2006.01)**
[25] EN
[54] **WAVE-PROPELLED VEHICLES**
[54] **VEHICULES PROPULSES PAR LES VAGUES**
[72] WAHREN, KEN, GB
[71] AUTONOMOUS DEVICES LIMITED, GB
[85] 2024-05-10
[86] 2022-11-10 (PCT/GB2022/052859)
[87] (WO2023/084228)
[30] GB (2116187.2) 2021-11-10

[21] **3,237,971**
[13] A1
[51] **Int.Cl. E02F 3/627 (2006.01) B66C 23/74 (2006.01) B66C 23/78 (2006.01) E02F 3/96 (2006.01)**
[25] EN
[54] **ACCESSORY DEVICE MOUNTABLE TO AN EXCAVATOR BASE, CONSTRUCTION MACHINE SYSTEM, CONSTRUCTION MACHINE AND METHOD FOR MOUNTING AN ACCESSORY DEVICE TO AN EXCAVATOR BASE**
[54] **DISPOSITIF ACCESSOIRE POUVANT ETRE MONTE SUR UNE BASE D'EXCAVATEUR, SYSTEME D'ENGIN DE CHANTIER, ENGIN DE CHANTIER ET PROCEDE DE MONTAGE D'UN DISPOSITIF ACCESSOIRE SUR UNE BASE D'EXCAVATEU**
[72] STAPEL, MANUEL, DE
[72] DEGEN, WILHELM, TH
[72] DEGEN, ALEXANDER, DE
[71] DEGEN, WILHELM, TH
[71] DEGEN, ALEXANDER, DE
[85] 2024-05-10
[86] 2022-11-18 (PCT/EP2022/082507)
[87] (WO2023/089144)
[30] DE (10 2021 130 141.6) 2021-11-18

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[13] A1
[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **FREQUENCY DOMAIN RESOURCE ALLOCATION METHOD AND APPARATUS, AND DEVICE**
[54] **PROCEDE ET APPAREIL D'ATTRIBUTION DE RESSOURCES DANS LE DOMAINE FREQUENTIEL, ET DISPOSITIF**
[72] YANG, TUO, CN
[72] HU, LIJIE, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-05-09
[86] 2022-11-14 (PCT/CN2022/131738)
[87] (WO2023/083350)
[30] CN (202111342504.8) 2021-11-12

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[13] A1
[51] **Int.Cl. H01M 4/133 (2010.01) H01M 4/1393 (2010.01) H01M 4/587 (2010.01)**
[25] EN
[54] **NEW ANODE MATERIAL IN LITHIUM AND SODIUM BATTERIES**
[54] **NOUVEAU MATERIAU D'ANODE POUR BATTERIES AU LITHIUM ET AU SODIUM**
[72] VAN RAALTEN, RUTGER ALEXANDER DAVID, NL
[72] SORDI, DANIELA, NL
[72] TEN DAM, JEROEN, NL
[71] CARBONX IP 9 B.V., NL
[85] 2024-04-25
[86] 2022-10-25 (PCT/EP2022/079750)
[87] (WO2023/072918)
[30] EP (21204839.1) 2021-10-26

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[13] A1
[51] **Int.Cl. C01B 32/00 (2017.01) H01M 4/587 (2010.01)**
[25] EN
[54] **HARDLY-GRAPHITIZABLE CARBON, NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY**
[54] **CARBONE DIFFICILEMENT GRAPHITISABLE, ELECTRODE NEGATIVE POUR BATTERIE SECONDAIRE AU LITHIUM-ION ET BATTERIE SECONDAIRE AU LITHIUM-ION**
[72] OKUMURA, YUSUKE, JP
[72] SUTO, MIKITO, JP
[72] KOBAYASHI, HIKARU, JP
[72] FUSHIWAKI, YUSUKE, JP
[72] FURUYA, ATOMU, JP
[72] HAGA, RYUTA, JP
[71] JFE CHEMICAL CORPORATION, JP
[71] JFE STEEL CORPORATION, JP
[85] 2024-05-09
[86] 2023-06-26 (PCT/JP2023/023573)
[87] (WO2024/004939)
[30] JP (2022-104551) 2022-06-29

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[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01)**
[25] EN
[54] **ISOXAZOLIDINES AS RIPK1 INHIBITORS AND USE THEREOF**
[54] **ISOXAZOLIDINES EN TANT QU'INHIBITEURS DE RIPK1 ET LEUR UTILISATION**
[72] DEFOSSA, ELISABETH, DE
[72] HEINELT, UWE, DE
[72] MATTER, HANS, DE
[72] MENDEZ-PEREZ, MARIA, DE
[72] RACKELMANN, NILS, DE
[72] RITTER, KURT, DE
[72] SZILLAT, HAUKE, DE
[72] ZECH, GERNOT, DE
[71] GENZYME CORPORATION, US
[85] 2024-05-10
[86] 2022-11-09 (PCT/EP2022/081226)
[87] (WO2023/083847)
[30] EP (21315242.4) 2021-11-11

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[13] A1
[51] **Int.Cl. A23K 10/12 (2016.01) A23K 50/75 (2016.01) A61K 35/74 (2015.01) C07H 13/06 (2006.01) C12P 19/04 (2006.01)**
[25] EN
[54] **BREVUNDIMONAS SP FOR USE IN DISEASE PREVENTION AND TREATMENT**
[54] **BREVUNDIMONAS SP POUR UNE UTILISATION DANS LA PREVENTION ET LE TRAITEMENT DE MALADIES**
[72] STEFFEK, AMY E., US
[72] PFUND, WILLIAM P., US
[72] DAHL, ANDREW A., US
[71] ZIVO BIOSCIENCE, INC., US
[85] 2024-05-10
[86] 2022-12-07 (PCT/US2022/052181)
[87] (WO2023/107583)
[30] US (63/286,599) 2021-12-07
[30] US (63/355,799) 2022-06-27

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[13] A1
[51] **Int.Cl. G06N 3/04 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **ARCHITECTURE AGNOSTIC, ITERATIVE AND GUIDED FRAMEWORK FOR ROBUSTNESS IMPROVEMENT**
[54] **CADRE AGNOSTIQUE A L'ARCHITECTURE, ITERATIF ET GUIDE POUR AMELIORATION DE LA ROBUSTESSE**
[72] CORBEIL-LETOURNEAU, SIMON, CA
[72] LECUE, FREDDY, CA
[72] BEACH, DAVID, CA
[71] THALES CANADA INC., CA
[85] 2024-05-10
[86] 2022-12-15 (PCT/IB2022/062323)
[87] (WO2023/111953)
[30] US (63/290,167) 2021-12-16

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[13] A1
[51] **Int.Cl. E21C 35/18 (2006.01) E21C 35/183 (2006.01)**
[25] EN
[54] **A WEAR PROTECTION CAP AND A BIT HOLDER ARRANGEMENT**
[54] **BOUCHON DE PROTECTION CONTRE L'USURE ET AGENCEMENT DE SUPPORT DE TREPAN**
[72] GRIEF, RALF, AT
[72] SCHRUNNER, CHRISTIAN, AT
[71] SANDVIK MINING AND CONSTRUCTION G.M.B.H., AT
[85] 2024-05-10
[86] 2022-12-16 (PCT/EP2022/086462)
[87] (WO2023/111319)
[30] EP (21215580.8) 2021-12-17

[21] **3,237,982**
[13] A1
[51] **Int.Cl. A01N 31/06 (2006.01) C07H 15/203 (2006.01)**
[25] EN
[54] **SLOW-RELEASE FORMULATION**
[54] **FORMULATION A LIBERATION LENTE**
[72] SUTTON, PETER WILLIAM, ES
[72] BOSCH HEREU, LLUIS, ES
[71] GLYCOSCIENCE, S.L., ES
[85] 2024-05-10
[86] 2022-11-24 (PCT/EP2022/083096)
[87] (WO2023/099327)
[30] EP (21383077.1) 2021-11-30

[21] **3,237,983**
[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/038 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **SPATIAL AUDIO PARAMETER DECODING**
[54] **DECODAGE DE PARAMETRE AUDIO SPATIAL**
[72] VASILACHE, ADRIANA, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2024-05-10
[86] 2022-09-23 (PCT/FI2022/050642)
[87] (WO2023/084145)
[30] GB (2116345.6) 2021-11-12

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[13] A1
[51] **Int.Cl. A23K 20/142 (2016.01) A23K 10/30 (2016.01) A23K 20/195 (2016.01) A23K 40/10 (2016.01) A23K 50/75 (2016.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING MYOPATHY IN POULTRY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT OU DE PREVENTION DE LA MYOPATHIE CHEZ LES VOLAILLES**
[72] HAMMOCK, WILLIAM, US
[72] STETZER, DOUGLAS A., US
[72] GUO, XIAOWEN, US
[71] NUTRITION 21, LLC, US
[71] KENT CORPORATION, US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/049703)
[87] (WO2023/086567)
[30] US (63/278,987) 2021-11-12

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[54] **GENE THERAPY FOR TREATMENT OF MUCOPOLYSACCHARIDOSIS IIIA**
[54] **THERAPIE GENIQUE POUR LE TRAITEMENT DE LA MUCOPOLYSACCHARIDOSE IIIA**
[72] HORDEAUX, JULIETTE, US
[72] WILSON, JAMES M., US
[72] RASSOULI-TAYLOR, LEIDA, US
[72] DO, HUNG, US
[72] TUSKE, STEVEN, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] AMICUS THERAPEUTICS, INC., US
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[54] **PSILOCYBIN AND O-ACETYLPSILOCIN, SALTS AND SOLID STATE FORMS THEREOF**
[54] **PSILOCYBINE ET O-ACETYLPSILOCINE, LEURS SELS ET FORMES A L'ETAT SOLIDE**
[72] DUNCTON, MATTHEW, US
[72] CLARK, SAMUEL, US
[71] TERRAN BIOSCIENCES INC., US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/079752)
[87] (WO2023/086962)
[30] US (63/278,943) 2021-11-12
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[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES TO DETERMINE ONCOGENIC SIGNALS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR DETERMINER DES SIGNAUX ONCOGENES**
[72] WANG, YIKAN, US
[72] KUNZ, JEREMY, US
[72] KANAN, CHRISTOPHER, US
[71] PAIGE.AI, INC., US
[85] 2024-05-10
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[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE DE VALVULE CARDIAQUE ET DISPOSITIFS DE DISTRIBUTION ASSOCIES**
[72] GALON, AVIV, IL
[72] HOFFER, ERAN, IL
[72] PELEG, CARMEL, IL
[72] OBERWISE, ERIC MICHAEL, US
[72] HABERMAN-BROWNS, BEZALEL, IL
[72] AVIVI, SARIT, IL
[72] BRAUON, HAIM, IL
[72] HALABI, IDO, IL
[72] KOSLOSKY, JEFFREY MICHAEL, US
[72] ABUCASIS, MEIR, IL
[72] CHU, WAINA MICHELLE, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-09
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[54] **BIS(HEXAMETHYLENE)TRIAMINE IN ADHESIVE COMPOSITIONS**
[54] **COMPOSITIONS ADHESIVES A BASE DE BHM**
[72] CHAI, ZHENG, US
[72] EBERT, JEFFERSON THOMAS, US
[71] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049681)
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[25] EN
[54] **TRUNCATED TACI POLYPEPTIDE AND FUSION PROTEIN AND USE THEREOF**
[54] **POLYPEPTIDE TACI TRONQUE ET PROTEINE DE FUSION ET LEUR UTILISATION**
[72] MAO, LANGYONG, CN
[72] YING, HUA, CN
[72] JIN, XINSHENG, CN
[72] LI, LINGLING, CN
[72] TAO, WEIKANG, CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-09
[86] 2022-03-31 (PCT/CN2022/084256)
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[54] **ALTERNATOR MONITORING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE SURVEILLANCE D'ALTERNATEUR**
[72] ABDUL HALIM, SALMEY BIN, MY
[72] ABDUL RAHMAN, ABDUL RAZAK BIN, MY
[72] HAMID, MOHAMED NAZIM BIN, MY
[72] WARUAH MATOLLAH, ABDUL RAHMAN BIN, MY
[72] ABU HURAIRAH, ABU ZHARR BIN, MY
[71] PETROLIAM NASIONAL BERHAD (PETRONAS), MY
[85] 2024-05-10
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[54] **BABY CARRIER**
[54] **PORTE-BEBE**
[72] ZHANG, XIAOJIAN, CH
[71] WONDERLAND SWITZERLAND AG, CH
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[86] 2022-11-10 (PCT/EP2022/081512)
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[25] EN
[54] **SYSTEMS, METHODS, AND MEDIA FOR CONTROLLING SHARED EXTENDED REALITY PRESENTATIONS**
[54] **SYSTEMES, PROCEDES ET SUPPORTS POUR COMMANDER DES PRESENTATIONS DE REALITE ETENDUE PARTAGEES**
[72] EASTMAN, HENRY, US
[72] GOTSCHALL, ROBERT, US
[72] MLAKAR, JEFFREY, US
[72] GRISWOLD, MARK, US
[72] GASPARATOS, JAMES, US
[72] HENNINGER, ERIN, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
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[54] **TRANSMISSION METHOD AND APPARATUS, COMMUNICATION DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION, DISPOSITIF DE COMMUNICATION ET SUPPORT D'ENREGISTREMENT**
[72] CHEN, JINGJING, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-05-10
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[54] **COMPOSITIONS COMPRISING AMINO LIPID COMPOUNDS AND METHODS OF MAKING AND USE THEREOF**
[54] **COMPOSITIONS COMPRENANT DES COMPOSES DE LIPIDES AMINES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] DONG, YIZHOU, US
[72] XUE, YONGER, US
[72] ZHANG, YUEBAO, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2024-05-10
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[54] **IMPROVED METHOD OF PRODUCING PURIFIED GRAPHITE**
[54] **METHODE AMELIOREE DE PRODUCTION DE GRAPHITE PURIFIE**
[72] CHAN, MICHAEL, AU
[71] ECOGRAF LIMITED, AU
[85] 2024-04-30
[86] 2022-11-11 (PCT/AU2022/051353)
[87] (WO2023/081979)
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[25] EN
[54] **NASAL VACCINE-SPRAYING FORMULATION FOR SIMULTANEOUSLY TARGETING NASAL MUCOSA AND NASOPHARYNX**
[54] **FORMULATION DE PULVERISATION DE VACCIN NASAL POUR CIBLER SIMULTANEMENT LA MUQUEUSE NASALE ET LE RHINOPHARYNX**
[72] KAMISHITA, TAIZOU, JP
[72] MIYAZAKI, TAKASHI, JP
[71] TOKO YAKUHIN KOGYO CO., LTD., JP
[85] 2024-05-10
[86] 2022-12-01 (PCT/JP2022/044399)
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[30] JP (2021-196205) 2021-12-02

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[51] **Int.Cl. B25J 9/06 (2006.01) B25J 9/00 (2006.01) B25J 9/10 (2006.01) B25J 9/12 (2006.01) B25J 17/00 (2006.01) B25J 18/00 (2006.01) B25J 19/00 (2006.01)**
[25] EN
[54] **HUMANOID ROBOT**
[54] **ROBOT HUMANOIDE**
[72] FLEURY, PAUL GLONINGER, US
[72] PAINE, NICHOLAS ARDEN, US
[72] FOX, JONAS ALEXAN, US
[71] APPTRONIK, INC., US
[85] 2024-05-09
[86] 2022-12-06 (PCT/US2022/052031)
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[51] **Int.Cl. E06B 9/266 (2006.01) E06B 9/264 (2006.01) E06B 9/42 (2006.01)**
[25] EN
[54] **WINDOW BLIND FRAME**
[54] **CADRE DE STORE DE FENETRE**
[72] GREENING, ANDREW, GB
[71] LOUVER-LITE LIMITED, GB
[85] 2024-05-10
[86] 2022-11-10 (PCT/GB2022/052861)
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[30] GB (2116362.1) 2021-11-12

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[51] **Int.Cl. E02F 3/96 (2006.01) E02F 9/20 (2006.01) E02F 9/22 (2006.01) E21B 7/02 (2006.01) F04B 49/00 (2006.01) F04B 49/10 (2006.01)**
[25] EN
[54] **HYDRAULIC SYSTEM, WORKING VEHICLE AND METHOD**
[54] **SYSTEME HYDRAULIQUE, VEHICULE DE TRAVAIL ET PROCEDE**
[72] VERHO, SAMULI, FI
[72] VATANEN, HARRI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-05-10
[86] 2022-12-09 (PCT/EP2022/085194)
[87] (WO2023/105048)
[30] EP (21213736.8) 2021-12-10

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[51] **Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES**
[72] SONG, YUN, US
[72] LAJOIE, MARC JOSEPH, US
[72] WEITZNER, BRIAN DOUGLAS, US
[72] BOYKEN, SCOTT EDWARD, US
[71] OUTPACE BIO, INC., US
[71] SONG, YUN, US
[71] LAJOIE, MARC JOSEPH, US
[71] WEITZNER, BRIAN DOUGLAS, US
[71] BOYKEN, SCOTT EDWARD, US
[85] 2024-05-10
[86] 2022-11-10 (PCT/US2022/049611)
[87] (WO2023/086517)
[30] US (63/277,984) 2021-11-10
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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC CHIP, AND LIQUID INJECTION METHOD THEREFOR AND USE THEREOF**
[54] **PUCE MICROFLUIDIQUE, ET SON PROCEDE D'INJECTION DE LIQUIDE ET SON UTILISATION**
[72] DU, PEI, CN
[72] SU, YANG, CN
[72] ZHANG, YAN, CN
[71] JIANGSU LOGILET BIOTECH CO., LTD., CN
[85] 2024-05-10
[86] 2022-10-08 (PCT/CN2022/123905)
[87] (WO2023/087964)
[30] CN (202111376549.7) 2021-11-19

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[25] EN
[54] **TAB FORMING DEVICE FOR JELLYROLL-TYPE ELECTRODE ASSEMBLY AND FORMING M ETHOD USING THE SAME**
[54] **DISPOSITIF DE FORMATION DE LANGUETTE POUR UN ASSEMBLAGE D'ELECTRODE DE TYPE ROULE ET METHODE DE FORMATION CONNEXE**
[72] LEE, SOONO, KR
[72] CHOI, KYUHYUN, KR
[72] KONG, JINHAK, KR
[72] LEE, JE JUN, KR
[72] LIM, JAE WON, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-10
[86] 2022-11-11 (PCT/KR2022/017692)
[87] (WO2023/085828)
[30] KR (10-2021-0155211) 2021-11-11
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[25] EN
[54] **BACTERIAL STRAINS FOR TREATING DISEASE**
[54] **SOUCHES BACTERIENNES POUR LE TRAITEMENT D'UNE MALADIE**
[72] CUIV, PARAIC O., AU
[72] KRAUSE, LUTZ, AU
[71] MICROBA IP PTY LTD, AU
[85] 2024-05-10
[86] 2022-11-11 (PCT/AU2022/051354)
[87] (WO2023/081980)
[30] AU (2021903624) 2021-11-11

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[51] **Int.Cl. A01N 43/78 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] EDMUNDS, ANDREW, CH
[72] BLUM, MATHIAS, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-10
[86] 2022-11-29 (PCT/EP2022/083647)
[87] (WO2023/099460)
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[51] **Int.Cl. A61B 90/20 (2016.01) A61B 90/25 (2016.01) A61B 90/30 (2016.01)**
[25] EN
[54] **SURGICAL MICROSCOPE SYSTEM**
[54] **SYSTEME DE MICROSCOPE CHIRURGICAL**
[72] HEWLETT, ROBERT T., US
[72] BUTLER, JONATHAN MICHAEL, US
[71] HEWLETT, ROBERT T., US
[71] BUTLER, JONATHAN MICHAEL, US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049696)
[87] (WO2023/086565)
[30] US (63/278,691) 2021-11-12
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[13] A1
[51] **Int.Cl. B65G 15/14 (2006.01) B65G 21/10 (2006.01) B65G 59/10 (2006.01) B65G 65/02 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR LOCATING, ENGAGING, AND SHIFTING OBJECTS IN AUTOMATED OR SEMI-AUTOMATED FASHION**
[54] **SYSTEMES, PROCEDES, ET APPAREILS DE LOCALISATION, DE MISE EN PRISE, ET DE DEPLACEMENT D'OBJETS D'UNE MANIERE AUTOMATISEE OU SEMI-AUTOMATISEE**
[72] GIL, JULIO, NL
[72] BELL, JULIAN LELAND, US
[72] CHOI, YOUNGJUN, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2024-05-10
[86] 2022-11-02 (PCT/US2022/079148)
[87] (WO2023/114580)
[30] US (17/553,599) 2021-12-16

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[25] EN
[54] **ETHYLENE VINYL ACETATE-BASED DISPERSIONS SUITABLE AS POUR POINT DEPRESSANTS WITH IMPROVED PERFORMANCE AND STABILITY**
[54] **DISPERSIONS A BASE D'ACETATE DE VINYLE-ETHYLENE APPROPRIEES EN TANT QU'AMELIORANTS DE POINT D'ECOULEMENT PRESENTANT UNE PERFORMANCE ET UNE STABILITE AMELIOREES**
[72] SIRAK, SOFIA, US
[72] BORGER, ALISA, DE
[72] MEURER, JASMIN, DE
[72] MEISTER, CLAUDIA, DE
[72] MOSNIER, GAEL, DE
[72] RIEGER, JOHANNES, DE
[72] BERWING, INES, DE
[72] WINKLER, MARIE-CHRISTIN, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2024-05-10
[86] 2022-11-10 (PCT/EP2022/081432)
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[30] EP (21208234.1) 2021-11-15

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[51] **Int.Cl. A47G 1/06 (2006.01) A47G 1/08 (2006.01)**
[25] EN
[54] **A MOUNTING SYSTEM, METHOD, AND DEVICE**
[54] **SYSTEME, PROCEDE ET DISPOSITIF DE MONTAGE**
[72] HILL, JAYSON, US
[71] HILL, JAYSON, US
[85] 2024-05-10
[86] 2022-05-24 (PCT/US2022/030776)
[87] (WO2023/086128)
[30] US (63/277,985) 2021-11-10
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[51] **Int.Cl. A61K 8/11 (2006.01) A61K 8/26 (2006.01) A61K 8/41 (2006.01) A61K 8/46 (2006.01) A61K 8/92 (2006.01) A61Q 5/02 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **RINSE-OFF PERSONAL CARE COMPOSITION**
[54] **COMPOSITION DE SOINS PERSONNELS A RINCER**
[72] PAN, XIAOYUN, NL
[72] TANG, XUEZHI, NL
[72] WANG, JINFANG, NL
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2024-05-10
[86] 2022-10-21 (PCT/EP2022/079350)
[87] (WO2023/099078)
[30] CN (PCT/CN2021/130217) 2021-11-12
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[51] **Int.Cl. H02B 15/00 (2006.01) H02S 10/20 (2014.01)**
[25] EN
[54] **UNIVERSAL USAGE METHOD INCLUDING ELECTRICITY STORAGE FORNEAR-CONSUMPTION POWER SUPPLY WITH RENEWABLE ENERGE SOURCESAND ITS APPLICATION**
[54] **PROCEDE - NOTAMMENT PROCEDE DE STOCKAGE D'ENERGIE - DE FOURNITURE D'ENERGIE A PROXIMITE DU POINT DE CONSOMMATION UTILISANT DES SOURCES D'ENERGIE REGENERATIVE ET UTILISATION AFFERENT**
[72] HARAZIM, WOLFGANG, DE
[71] EXCELLENCE - GESELLSCHAFT ZUR OBHUTSVERWALTUNG ERLESENER LIEGENSCHAFT..., DE
[85] 2024-05-10
[86] 2023-06-09 (PCT/EP2023/000034)
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[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CRYOABLATION NEEDLE WITH ADJUSTABLE J-T SLOT POSITION**
[54] **AIGUILLE DE CRYOABLATION A REGLAGE DE POSITION DE FENTE EN J-T**
[72] YANG, CHI, CN
[72] CHANG, ZHAOHUA, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
[85] 2024-05-10
[86] 2022-11-01 (PCT/CN2022/128872)
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[51] **Int.Cl. A61K 39/12 (2006.01)**
[25] EN
[54] **LENTIVIRAL VECTORS FOR EXPRESSION OF HUMAN PAPILLOMAVIRUS (HPV) ANTIGENS AND ITS IMPLEMENTATION IN THE TREATMENT OF HPV INDUCED CANCERS**
[54] **VECTEURS LENTIVIRAUX POUR L'EXPRESSION D'ANTIGENES DU PAPILLOMAVIRUS HUMAIN (HPV) ET LEUR MISE EN OEUVRE DANS LE TRAITEMENT DE CANCERS INDUITS PAR LE HPV**
[72] CHARNEAU, PIERRE, FR
[72] ANNA, FRANCOIS, FR
[72] MONCOQ, FANNY, FR
[72] NOIRAT, AMANDINE, FR
[72] MAJLESSI, LALEH, FR
[72] DOUGUET, LAETITIA, FR
[72] FERT, INGRID, FR
[71] THERAVECTYS, FR
[71] INSTITUT PASTEUR, FR
[85] 2024-05-10
[86] 2022-11-14 (PCT/EP2022/081839)
[87] (WO2023/084094)
[30] EP (21306581.6) 2021-11-15
[30] US (63/279,945) 2021-11-16
[30] EP (22306119.3) 2022-07-27

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[13] A1
[51] **Int.Cl. A61K 8/60 (2006.01) A61K 8/73 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS BASED ON FRUCTANS AND THICKENING AGENT, AND METHODS FOR THE SAME**
[54] **COMPOSITIONS DE SOIN BUCCODENTAIRE A BASE DE FRUCTANES ET D'AGENT EPAISSISSANT, ET PROCEDES ASSOCIES**
[72] MARTINETTI, MELISSA, US
[72] SURIANO, DAVID, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2024-05-10
[86] 2022-11-22 (PCT/US2022/050678)
[87] (WO2023/096889)
[30] US (63/282,229) 2021-11-23

[21] **3,238,022**
[13] A1
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CRYOABLATION NEEDLE HAVING DUAL J-T SLOTS**
[54] **AIGUILLE DE CRYOABLATION A DOUBLE CANAL EN J-T**
[72] YANG, CHI, CN
[72] CHANG, ZHAOHUA, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
[85] 2024-05-10
[86] 2022-11-01 (PCT/CN2022/128870)
[87] (WO2023/083048)
[30] CN (202111329742.5) 2021-11-11

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[13] A1
[51] **Int.Cl. B23B 51/00 (2006.01) B23D 1/02 (2006.01)**
[25] EN
[54] **CUTTING HEAD HAVING FOUR CUTTING PORTIONS AND TWO CONVEX CLAMPING SURFACES, AND ROTARY CUTTING TOOL**
[54] **TETE DE COUPE PRESENTANT QUATRE PARTIES DE COUPE ET DEUX SURFACES DE SERRAGE CONVEXES, ET OUTIL DE COUPE ROTATIF**
[72] SHITRIT, SHIM'ON, IL
[72] KABLAN, HYTHAM, IL
[71] ISCAR LTD., IL
[85] 2024-05-10
[86] 2022-10-18 (PCT/IL2022/051097)
[87] (WO2023/089603)
[30] US (17/527,638) 2021-11-16

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[13] A1
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CRYOABLATION NEEDLE WITH ADJUSTABLE VACUUM WALL POSITION**
[54] **AIGUILLE DE CRYOABLATION REGLABLE EN POSITION DE PAROI SOUS VIDE**
[72] YANG, CHI, CN
[72] CHANG, ZHAOHUA, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
[85] 2024-05-10
[86] 2022-11-01 (PCT/CN2022/128871)
[87] (WO2023/083049)
[30] CN (202111329707.3) 2021-11-11

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[13] A1
[51] **Int.Cl. A61B 18/02 (2006.01)**
[25] EN
[54] **CRYOABLATION NEEDLE HAVING J-T SLOT SLEEVE**
[54] **AIGUILLE DE CRYOABLATION AYANT UN MANCHON A FENTE EN J-T**
[72] SUN, JIAYUAN, CN
[72] YANG, CHI, CN
[72] XU, BINKAI, CN
[72] XIE, FANGFANG, CN
[72] GU, CHUANJIA, CN
[72] FENG, XINTONG, CN
[71] SHANGHAI CHEST HOSPITAL, CN
[71] ACCU TARGET MEDIPHARMA (SHANGHAI) CO., LTD., CN
[85] 2024-05-10
[86] 2022-11-01 (PCT/CN2022/128869)
[87] (WO2023/083047)
[30] CN (202111329723.2) 2021-11-11

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[13] A1
[51] **Int.Cl. C07D 311/76 (2006.01) A61K 31/35 (2006.01) A61K 31/366 (2006.01) A61P 23/02 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **MULTICYCLIC COMPOUNDS**
[54] **COMPOSES MULTICYCLIQUES**
[72] SOLOMON, ATLEE, US
[71] ATLEE BIOTECH, INC., US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/049719)
[87] (WO2023/086580)
[30] US (63/279,094) 2021-11-13
[30] US (63/282,264) 2021-11-23
[30] US (63/299,749) 2022-01-14
[30] US (63/317,980) 2022-03-09
[30] US (63/321,915) 2022-03-21
[30] US (63/336,476) 2022-04-29
[30] US (63/375,050) 2022-09-08

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[13] A1
[51] **Int.Cl. G10L 15/26 (2006.01) G10L 17/26 (2013.01) G10L 25/66 (2013.01) G06F 40/30 (2020.01) A61B 5/00 (2006.01) G10L 25/63 (2013.01)**
[25] EN
[54] **INTELLIGENT TRANSCRIPTION AND BIOMARKER ANALYSIS**
[54] **TRANSCRIPTION INTELLIGENTE ET ANALYSE DE BIOMARQUEURS**
[72] DOUGHERTY, ROBERT F., US
[72] SZTANKO, DEMETER, GB
[72] RYSLIK, GREGORY A., US
[72] HARRINGTON, ALEXIS, GB
[72] BETTKE, ANDREW, GB
[71] COMPASS PATHFINDER LIMITED, GB
[85] 2024-05-09
[86] 2022-11-21 (PCT/US2022/050603)
[87] (WO2023/096867)
[30] US (63/282,638) 2021-11-23
[30] US (63/414,772) 2022-10-10

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[13] A1
[51] **Int.Cl. G16H 20/70 (2018.01)**
[25] EN
[54] **APPARATUSES, SYSTEMS, AND METHODS FOR A REAL TIME BIOADAPTIVE STIMULUS ENVIRONMENT**
[54] **APPAREILS, SYSTEMES ET PROCEDES POUR UN ENVIRONNEMENT DE STIMULUS BIOADAPTATIF EN TEMPS REEL**
[72] DOUGHERTY, ROBERT F., US
[72] KUC, JOANNA, GB
[72] MALIEVSKAIA, EKATERINA, GB
[72] RYSLIK, GREGORY A., US
[71] COMPASS PATHFINDER LIMITED, GB
[85] 2024-05-09
[86] 2022-11-22 (PCT/US2022/050755)
[87] (WO2023/096916)
[30] US (63/282,635) 2021-11-23

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CD20-PD1 BINDING MOLECULES AND METHODS OF USE THEREOF**
[54] **MOLECULES DE LIAISON CD20-PD1 ET LEURS METHODES D'UTILISATION**
[72] SHEN, YANG, US
[72] WANG, BEI, US
[72] AVVARU, NAGA SUHASINI, US
[72] LIN, CHIA-YANG, US
[72] MURPHY, ANDREW, US
[72] HERMANN, AYNUR, US
[72] KIM, JEE H., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-05-09
[86] 2022-11-09 (PCT/US2022/079530)
[87] (WO2023/086812)
[30] US (63/278,374) 2021-11-11
[30] US (63/278,454) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/86 (2006.01) A61K 38/17 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR SLC6A1 GENE THERAPY**
[54] **MATERIEL ET METHODES DE THERAPIE ASSOCIEE AU GENE SLC6A1**
[72] MEYER, KATHRIN CHRISTINE, US
[72] BRADBURY, ALLISON MARIE, US
[72] LIKHITE, SHIBI, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/079756)
[87] (WO2023/086966)
[30] US (63/278,905) 2021-11-12

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[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 31/06 (2006.01) B65G 1/04 (2006.01)**
[25] EN
[54] **STORAGE SYSTEM FOR VERTICAL FARMING AND A METHOD THEREOF**
[54] **GRILLE DE STOCKAGE POUVANT ETRE ECLAIREE POUR STOCKER ET CULTIVER DES CULTURES, SYSTEME AUTOMATISE DE STOCKAGE ET DE RECUPERATION POUR STOCKER DES CULTURES DANS UNE TELLE GRILLE DE STOCKAGE ET LES RECUPERER ET PROCEDE ASSOCI**
[72] AUSTRHEIM, TROND, NO
[72] FAGERLAND, INGVAR, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-05-13
[86] 2022-12-16 (PCT/EP2022/086476)
[87] (WO2023/117801)
[30] NO (20211565) 2021-12-21

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[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/22 (2006.01) B32B 19/04 (2006.01) E04F 15/02 (2006.01) B32B 7/09 (2019.01) B32B 27/18 (2006.01)**
[25] EN
[54] **BUILDING PANEL AND METHOD TO PRODUCE SUCH PANEL**
[54] **PANNEAU DE CONSTRUCTION ET PROCEDE DE PRODUCTION D'UN TEL PANNEAU**
[72] JOSEFSSON, PER, SE
[72] SKOLD, FILIP, SE
[71] VALINGE INNOVATION AB, SE
[85] 2024-05-09
[86] 2022-12-09 (PCT/SE2022/051166)
[87] (WO2023/106995)
[30] SE (2151509-3) 2021-12-10

[21] **3,238,033**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES (ASO) FOR EFFICIENT AND PRECISE RNA EDITING WITH ENDOGENOUS ADENOSINE DEAMINASE ACTING ON RNA (ADAR)**
[54] **OLIGONUCLEOTIDES ANTISENS (ASO) POUR UNE EDITION EFFICACE ET PRECISE DE L'ARN AVEC L'ADENOSINE DESAMINASE ENDOGENE AGISSANT SUR L'ARN (ADAR)**
[72] STAFFORST, THORSTEN, DE
[72] LATIFI, NGADHNJIM, DE
[72] PFEIFFER, LAURA SOPHIA, DE
[71] EBERHARD KARLS UNIVERSITAT TUBINGEN, DE
[85] 2024-05-09
[86] 2022-11-29 (PCT/EP2022/083711)
[87] (WO2023/099494)
[30] EP (21211372.4) 2021-11-30

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[13] A1
[51] **Int.Cl. C22B 3/04 (2006.01) H01M 10/052 (2010.01) C22B 3/00 (2006.01) C22B 7/00 (2006.01) C22B 23/00 (2006.01) C22B 26/00 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **FLUORIDE REMOVAL PROCESS**
[54] **PROCEDE D'ELIMINATION DE FLUORURE**
[72] ALEMRAJABI, MAHMOOD, SE
[72] ERIKSSON, MARIA, SE
[72] JENSEN, ROBERT, SE
[72] MUSFIQUE, IBRIJA, SE
[72] GARCIA TABUENCA, ALEJANDRO, SE
[71] NORTHVOLT REVOLT AB, SE
[85] 2024-05-09
[86] 2022-11-16 (PCT/EP2022/082115)
[87] (WO2023/088955)
[30] EP (21208782.9) 2021-11-17

[21] **3,238,035**
[13] A1
[51] **Int.Cl. A61C 17/34 (2006.01)**
[25] EN
[54] **CLEANING AND CARING APPLIANCE**
[54] **APPAREIL DE NETTOYAGE ET DE SOINS**
[72] DAI, XIAOGUO, CN
[72] XU, ZHENWU, CN
[71] SHANGHAI SHIFT ELECTRICS CO., LTD., CN
[85] 2024-05-09
[86] 2022-09-27 (PCT/CN2022/121612)
[87] (WO2023/082876)
[30] CN (202111331795.0) 2021-11-11

[21] **3,238,036**
[13] A1
[51] **Int.Cl. F23D 14/02 (2006.01)**
[25] EN
[54] **GAS-AIR MIXING STRUCTURE AND BURNER**
[54] **STRUCTURE DE MELANGE GAZ-AIR ET BRULEUR**
[72] LI, WEIZHEN, CN
[72] ZHANG, JINGCAI, CN
[72] ZHANG, TAO, CN
[71] DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES, CN
[85] 2024-05-09
[86] 2022-11-14 (PCT/CN2022/131636)
[87] (WO2023/093554)
[30] CN (202111396849.1) 2021-11-23
[30] CN (202122880926.2) 2021-11-23

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[13] A1
[51] **Int.Cl. G16H 15/00 (2018.01) G16H 20/30 (2018.01) G16H 20/70 (2018.01) G16H 40/63 (2018.01) G16H 50/30 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **APPARATUSES, SYSTEMS, AND METHODS FOR BIOMARKER COLLECTION, BI-DIRECTIONAL PATIENT COMMUNICATION AND LONGITUDINAL PATIENT FOLLOW-UP**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE COLLECTE DE BIOMARQUEURS, COMMUNICATION DE PATIENT BIDIRECTIONNELLE ET SUIVI DE PATIENT LONGITUDINAL**
[72] BIRK, JACOB, US
[72] DOUGHERTY, ROBERT F., US
[72] LYE, KWAN, US
[72] JIANG, YUCHEN, US
[72] AL-ALAMI, DINA, GB
[72] RYSLIK, GREGORY A., US
[71] COMPASS PATHFINDER LIMITED, GB
[85] 2024-05-09
[86] 2022-11-22 (PCT/US2022/050752)
[87] (WO2023/096914)
[30] US (63/282,633) 2021-11-23

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[13] A1
[51] **Int.Cl. F16D 63/00 (2006.01) H02K 41/03 (2006.01)**
[25] EN
[54] **PLANAR MOVING SYSTEM**
[54] **SYSTEME DE DEPLACEMENT PLAT**
[72] SCHWARZ, SEBASTIAN, DE
[72] KLEINERT, MARCUS, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
[85] 2024-05-09
[86] 2022-09-23 (PCT/EP2022/076464)
[87] (WO2023/083518)
[30] DE (10 2021 129 155.0) 2021-11-09

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[13] A1
[51] **Int.Cl. B60P 1/64 (2006.01) B60P 1/44 (2006.01)**
[25] EN
[54] **COMMERCIAL VEHICLE LOADING AND UNLOADING SYSTEMS AND ASSOCIATED SYSTEMS, DEVICES, AND METHODS**
[54] **SYSTEMES DE CHARGEMENT ET DE DECHARGEMENT DE VEHICULES COMMERCIAUX ET SYSTEMES, DISPOSITIFS ET PROCEDES ASSOCIES**
[72] SMOLOV, ILIA, US
[72] KEMMET, RYAN, US
[72] MARION, CHRIS, US
[71] NODE SYSTEMS INC., US
[85] 2024-05-09
[86] 2022-11-10 (PCT/US2022/049573)
[87] (WO2023/086488)
[30] US (63/278,008) 2021-11-10
[30] US (63/335,205) 2022-04-26

[21] **3,238,040**
[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01) C12Q 1/6883 (2018.01) A61P 25/28 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR TAUOPATHY DIAGNOSIS AND TREATMENT**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT D'UNE TAUOPATHIE**
[72] STEEN, JUDITH AJ, US
[72] STEEN, HANNO, US
[72] CHENG, LONG, US
[72] BEEREPOOT, PIETER, US
[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2024-05-09
[86] 2022-11-15 (PCT/US2022/049920)
[87] (WO2023/086663)
[30] US (63/279,544) 2021-11-15

[21] **3,238,041**
[13] A1
[51] **Int.Cl. B60F 3/00 (2006.01) B62D 55/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR AMPHIBIOUS TRACKED VEHICLE**
[54] **AGENCEMENT POUR VEHICULE AMPHIBIE CHENILLE**
[72] SUNDELIN, TOM, SE
[71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
[85] 2024-05-09
[86] 2022-11-11 (PCT/SE2022/051056)
[87] (WO2023/096549)
[30] SE (2151433-6) 2021-11-24

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[13] A1
[51] **Int.Cl. A61B 5/1455 (2006.01) A61B 5/0205 (2006.01) A61B 5/024 (2006.01) G01G 19/46 (2006.01) A61B 5/021 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD OF MEASURING BLOOD FLOW IN THE FOOT**
[54] **APPAREIL ET PROCEDE DE MESURE DU FLUX SANGUIN DANS LE PIED**
[72] LINDERS, DAVID, US
[72] WOLSZON, ZOE, US
[72] O'BRIEN, JACOB, US
[72] ROGERS, MADELINE DIANE, US
[72] GROVE, LAUREN O'NEIL, US
[72] WEI, DENNIS LAN-BO, US
[72] LLOYD, EMMA GRACE, US
[72] GERSTLEY, HEATHER, US
[72] CENTRACCHIO, BENJAMIN THOMAS, US
[71] PODIMETRICS, INC., US
[85] 2024-05-09
[86] 2022-12-06 (PCT/US2022/051999)
[87] (WO2023/107483)
[30] US (63/286,352) 2021-12-06

[21] **3,238,048**
[13] A1
[51] **Int.Cl. E05B 3/00 (2006.01) E05B 55/00 (2006.01) E05B 63/00 (2006.01)**
[25] EN
[54] **HANDLE CATCH ASSEMBLIES**
[54] **ENSEMBLES DE LOQUET DE POIGNEE**
[72] DHANVANTRI, ACHYUTA, IN
[72] TELANG, RAVI, IN
[72] ROSS, MARK A., US
[72] PADDILLAYA, NARESH, IN
[72] RAMACHANDRAN, SIDHARTH, IN
[72] KULAL, ANKITH, IN
[71] SCHLAGE LOCK COMPANY LLC, US
[85] 2024-05-13
[86] 2022-11-10 (PCT/US2022/049561)
[87] (WO2023/086481)
[30] US (17/524,247) 2021-11-11

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[13] A1
[51] **Int.Cl. A23L 2/54 (2006.01) B01F 23/23 (2022.01)**
[25] EN
[54] **EFFERVESCENT BEVERAGE IN VALVELESS CONTAINER AERATED WITH SPARINGLY SOLUBLE GASES, AND APPARATUSES AND METHODS FOR MAKING THE SAME**
[54] **BOISSON EFFERVESCENTE DANS UN RECIPIENT SANS SOUPAPE GAZEIFIEES AVEC DES GAZ MODEREMENT SOLUBLES, ET APPAREILS ET PROCEDES DE FABRICATION DE CELLE-CI**
[72] CARMICHAEL, TODD, US
[71] CARMICHAEL, TODD, US
[85] 2024-05-13
[86] 2022-11-29 (PCT/US2022/051156)
[87] (WO2023/097098)
[30] US (63/283,979) 2021-11-29

[21] **3,238,065**
[13] A1
[51] **Int.Cl. A61K 8/365 (2006.01) A61K 8/9789 (2017.01) A61K 8/49 (2006.01) A61K 8/67 (2006.01)**
[25] FR
[54] **COSMETIC COMPOSITION COMPRISING INDIRUBIN AND A MIXTURE OF ANTIOXIDANTS**
[54] **COMPOSITION COSMETIQUE COMPRENANT DE L'INDIRUBINE ET UN MELANGE D'ANTIOXYDANTS**
[72] DEMIMUID, MARINE, FR
[72] RIQUE, CAROLE, FR
[72] FRANCOISE, JULIE, FR
[71] LABORATOIRES CLARINS, FR
[85] 2024-05-13
[86] 2022-12-19 (PCT/FR2022/052423)
[87] (WO2023/118718)
[30] FR (FR2113985) 2021-12-20

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[13] A1
[51] **Int.Cl. G01D 5/14 (2006.01) B62J 45/413 (2020.01) B62J 45/422 (2020.01) B62K 23/04 (2006.01) F02D 11/02 (2006.01) G05G 1/08 (2006.01)**
[25] FR
[54] **DEVICE FOR DETECTING RELATIVE POSITION WITH CIRCUIT BREAKER**
[54] **DISPOSITIF DE DETECTION DE POSITION RELATIVE AVEC COUPE-CIRCUIT**
[72] GUILLEMIN, HAROLD, FR
[72] RANDON, VINCENT, FR
[72] SIX, ISALINE, FR
[71] FINX, FR
[85] 2024-05-13
[86] 2022-11-15 (PCT/EP2022/082027)
[87] (WO2023/084123)
[30] FR (FR2112073) 2021-11-15

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01)**
[25] EN
[54] **APPLICATOR FOR IMPLANT INSERTION**
[54] **APPLICATEUR POUR INSERTION D'IMPLANT**
[72] HOLL, RICHARD J., US
[72] MATUSAITIS, TOMAS, US
[71] LUPIN INC., US
[85] 2024-05-13
[86] 2022-11-10 (PCT/US2022/049484)
[87] (WO2023/086434)
[30] US (63/278,528) 2021-11-12

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[13] A1
[51] **Int.Cl. B01D 15/18 (2006.01) B01J 20/283 (2006.01) C07C 67/56 (2006.01) C11B 3/10 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHIC SEPARATION PROCESS FOR EFFICIENT PURIFICATION OF POLYUNSATURATED FATTY ACIDS**
[54] **PROCEDE DE SEPARATION CHROMATOGRAPHIQUE POUR LA PURIFICATION EFFICACE D'ACIDES GRAS POLYINSATURES**
[72] SA GOMES, PEDRO, DE
[72] MORRISON, ANGUS, GB
[72] BILLING, JOHAN FREDRIK, SE
[72] MACARTHUR, ISEABAL, GB
[71] BASF SE, DE
[85] 2024-05-13
[86] 2022-12-16 (PCT/EP2022/086458)
[87] (WO2023/111317)
[30] EP (21215675.6) 2021-12-17

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[13] A1
[51] **Int.Cl. B66C 13/18 (2006.01) B66C 23/26 (2006.01)**
[25] EN
[54] **DEVICE FOR MONITORING A CONSTRUCTION SITE**
[54] **DISPOSITIF DE SURVEILLANCE D'UN SITE DE CONSTRUCTION**
[72] BUTCHER, KRISTIAN, AU
[71] BUILDAI PTY LTD, AU
[85] 2024-05-13
[86] 2022-11-12 (PCT/AU2022/051356)
[87] (WO2023/081982)
[30] AU (2021903629) 2021-11-12

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[13] A1
[51] **Int.Cl. C07C 69/24 (2006.01) C07C 69/26 (2006.01) H01B 3/20 (2006.01)**
[25] EN
[54] **DIELECTRIC FLUID COMPOSITIONS COMPRISING LOW VISCOSITY MONOESTERS WITH IMPROVED LOW TEMPERATURE PERFORMANCE**
[54] **COMPOSITIONS DE FLUIDE DIELECTRIQUE COMPRENANT DES MONOESTERS DE FAIBLE VISCOSITE PRESENTANT DES PERFORMANCES A BASSE TEMPERATURE AMELIOREE**
[72] JOVIC, KRISTINA, SG
[72] WILKENS, ROLAND, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2024-05-13
[86] 2022-11-10 (PCT/EP2022/081455)
[87] (WO2023/088773)
[30] EP (21208763.9) 2021-11-17

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[13] A1
[51] **Int.Cl. A01G 24/60 (2018.01) A01G 9/029 (2018.01) A01G 24/44 (2018.01)**
[25] EN
[54] **A PROCESS AND SYSTEM FOR LINE PRODUCING SEED FILLED PLANT GROWTH MEDIUM POTS, RODS, OR BANDS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION EN LIGNE DE POTS, DE TIGES OU DE BANDES DE MILIEU DE CROISSANCE DE PLANTES REMPLI DE GRAINES**
[72] JACOBSEN, PETER MELDGAARD, DK
[72] DRACHMANN, MADS, DK
[71] ELLEPOT A/S, DK
[85] 2024-05-13
[86] 2022-12-05 (PCT/EP2022/084430)
[87] (WO2023/104721)
[30] DK (PA202101179) 2021-12-10

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[13] A1
[51] **Int.Cl. E04B 2/70 (2006.01) E04B 2/74 (2006.01) E04B 2/76 (2006.01)**
[25] EN
[54] **ENERGY WALL STUD MEMBER AND CONSTRUCTION SYSTEM**
[54] **ELEMENT DE POTEAU MURAL ENERGETIQUE ET SYSTEME DE CONSTRUCTION**
[72] PUES, JON, US
[71] PUES, JON, US
[85] 2024-05-13
[86] 2022-11-14 (PCT/US2022/049849)
[87] (WO2023/086641)
[30] US (63/279,227) 2021-11-15

[21] **3,238,077**
[13] A1
[51] **Int.Cl. C07K 7/64 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A SALT OF ISOCYCLOSPORIN A**
[54] **PROCEDE DE PREPARATION D'UN SEL D'ISOCYCLOSPORINE A**
[72] PIUMATTI, SONIA, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[85] 2024-05-07
[86] 2022-12-21 (PCT/IB2022/062576)
[87] (WO2023/119172)
[30] IT (102021000032648) 2021-12-24

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[13] A1
[51] **Int.Cl. H01M 4/525 (2010.01) C01G 53/00 (2006.01) H01M 4/02 (2006.01) H01M 4/36 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING POSITIVE ELECTRODE ACTIVE MATERIAL**
[54] **METHODE DE PRODUCTION D'UN MATERIAU ACTIF D'ELECTRODE POSITIVE**
[72] LEE, WOO RAM, KR
[72] KIM, DONG JIN, KR
[72] CHOI, SANG SOON, KR
[72] KIM, JAE GEUN, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-07
[86] 2023-04-04 (PCT/KR2023/004537)
[87] (WO2023/219274)
[30] KR (10-2022-0057424) 2022-05-10

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[13] A1
[51] **Int.Cl. B65G 61/00 (2006.01) B25J 9/16 (2006.01) B65G 59/02 (2006.01) G05B 1/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR REMOVING A UNIT LOAD FROM A STACK**
[54] **PROCEDE ET DISPOSITIF POUR RETIRER UN PRODUIT D'UN EMPILEMENT**
[72] TUDOR, CARMEN, AT
[72] WYSS, DOMINIQUE, CH
[71] TGW LOGISTICS GROUP GMBH, AT
[85] 2024-05-08
[86] 2022-11-08 (PCT/AT2022/060385)
[87] (WO2023/081945)
[30] AT (A50888/2021) 2021-11-09

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[13] A1
[51] **Int.Cl. B05D 1/36 (2006.01) C23C 16/448 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPOSITION FOR PRODUCING LIQUID REPELLANT MATERIALS**
[54] **SYSTEME, PROCEDE ET COMPOSITION POUR LA PRODUCTION DE MATIERES IMPERMEABLES AUX LIQUIDES**
[72] ANDREW, TRISHA L., US
[72] KELLIHER, AIDAN, US
[72] CALI, JONATHAN, US
[72] MONROE, TIMOTHY D., US
[72] BEACH, ADRIAN J., US
[72] NANDY, SAYANTANI, US
[71] SOLIYARN, LLC, US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049648)
[87] (WO2023/086534)
[30] US (63/278,327) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 31/53 (2006.01) A61K 9/00 (2006.01) A61K 31/506 (2006.01) A61K 45/06 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **COMBINATION OF A SSAO INHIBITOR AND THR-BETA AGONIST FOR USE IN THE TREATMENT OF LIVER DISORDERS**
[54] **COMBINAISON D'UN INHIBITEUR DE SSAO ET D'UN AGONISTE DE THR-BETA POUR UNE UTILISATION DANS LE TRAITEMENT DE TROUBLES HEPATIQUES**
[72] FENAUX, MARTIJN, US
[72] KLUCHER, KEVIN, US
[72] JONES, CHRISTOPHER T., US
[72] KIRSCHBERG, THORSTEN A., US
[72] WANG, YUJIN, US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049690)
[87] (WO2023/086561)
[30] US (63/263,933) 2021-11-11
[30] US (63/349,977) 2022-06-07

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF CONTROLLING BLADDER AND RECTAL FUNCTION**
[54] **SYSTEME ET METHODE DE CONTROLE DE LA FONCTION VESICALE ET RECTALE**
[72] ROMERO-ORTEGA, MARIO I., US
[72] CONSTANTINE, DAVID, US
[71] REGENERATIVE BIOELECTRONICS INC., US
[85] 2024-05-10
[86] 2022-11-12 (PCT/US2022/049744)
[87] (WO2023/086602)
[30] US (63/278,801) 2021-11-12

[21] **3,238,085**
[13] A1
[51] **Int.Cl. A47J 31/06 (2006.01)**
[25] EN
[54] **SEPARABLE FILTER HOLDER FOR AN ESPRESSO COFFEE MACHINE**
[54] **PORTE-FILTRE SEPARABLE POUR MACHINE A CAFE EXPRESSO**
[72] GUCCI, SIMONE, IT
[72] DELLA PIETRA, STEFANO, IT
[72] MARCHI, RICCARDO, IT
[72] GATTI, RICCARDO, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2024-05-09
[86] 2022-12-06 (PCT/IB2022/061844)
[87] (WO2023/105414)
[30] IT (102021000030959) 2021-12-09

[21] **3,238,086**
[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01)**
[25] EN
[54] **HEMODIALYSIS SYSTEM INCLUDING ULTRAVIOLET CHAMBER(S)**
[54] **SYSTEME D'HEMODIALYSE COMPRENANT UNE OU PLUSIEURS CHAMBRES A ULTRAVIOLETS**
[72] YIK, KELLY, US
[72] SCHMIDT, DANIEL, US
[72] WANG, AIYUAN, US
[72] CHEN, DERYU, US
[72] MCCORMICK, CHRISTOPHER, US
[72] ZARO, EVAN, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2024-05-10
[86] 2022-11-15 (PCT/US2022/049892)
[87] (WO2023/121789)
[30] US (17/555,630) 2021-12-20

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[13] A1
[51] **Int.Cl. C12M 1/32 (2006.01) C12M 1/12 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **CASSETTE FOR PRESERVATION OF NATURAL AND BIOENGINEERED TISSUES**
[54] **CASSETTE POUR LA CONSERVATION DE TISSUS NATURELS ET BIOTECHNIQUES**
[72] CAMPBELL, LIA H., US
[72] WRIGHT, GREGORY J., US
[72] GREENE, ELIZABETH, US
[72] BROCKBANK, KELVIN G.M., US
[71] TISSUE TESTING TECHNOLOGIES LLC, US
[85] 2024-05-10
[86] 2022-11-15 (PCT/US2022/049939)
[87] (WO2023/086668)
[30] US (63/279,240) 2021-11-15

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[13] A1
[51] **Int.Cl. A47J 31/06 (2006.01)**
[25] EN
[54] **HEAT-INSULATED FILTER HOLDER FOR AN ESPRESSO COFFEE MACHINE**
[54] **SUPPORT DE FILTRE ISOLE THERMIQUEMENT POUR MACHINE A CAFE EXPRESSO**
[72] GUCCI, SIMONE, IT
[72] DELLA PIETRA, STEFANO, IT
[72] MARCHI, RICCARDO, IT
[72] GATTI, RICCARDO, IT
[71] LA MARZOCCO S.R.L., IT
[85] 2024-05-09
[86] 2022-12-08 (PCT/IB2022/061923)
[87] (WO2023/105459)
[30] IT (102021000030974) 2021-12-09

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[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01) A61K 31/497 (2006.01) A61P 25/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **HTT MODULATORS FOR TREATING HUNTINGTON'S DISEASE**
[54] **DERIVES DE N-(2H-INDAZOL-5-YL)PYRAZINE-2-CARBOXAMIDE ET COMPOSES SIMILAIRES UTILISES EN TANT QUE MODULATEURS HTT POUR LE TRAITEMENT DE LA MALADIE DE HUNTINGTON**
[72] LIU, LONGBIN, US
[72] DOMINGUEZ, CELIA, US
[72] PLOTNIKOV, NIKOLAY V., US
[72] HAUGHAN, ALAN, US
[72] STOTT, ANDREW, US
[72] COSGROVE, BRETT, US
[72] CLISSOLD, COLE, US
[72] VATER, HUW, US
[72] SPENCER, JONATHAN, US
[72] ESMIEU, WILLIAM, US
[72] MALAGU, KARINE, US
[72] CHAMBERS, MARK, US
[71] CHDI FOUNDATION, INC., US
[85] 2024-05-10
[86] 2022-11-16 (PCT/US2022/050058)
[87] (WO2023/091456)
[30] US (63/280,551) 2021-11-17

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **BUTT CLOSURES AND ORGANIZER ASSEMBLIES THEREFOR**
[54] **FERMETURES BORD A BORD ET ENSEMBLES ORGANISATEURS ASSOCIES**
[72] BEYMER, MATTHEW, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2024-05-10
[86] 2022-11-17 (PCT/US2022/050225)
[87] (WO2023/091558)
[30] US (63/281,583) 2021-11-19

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[13] A1
[51] **Int.Cl. B01D 53/52 (2006.01) B09B 1/00 (2006.01) E21B 43/38 (2006.01)**
[25] EN
[54] **SULFIDE SCAVENGING AGGREGATE FOR THE CONSTRUCTION OF LANDFILL GAS WELLS**
[54] **AGREGAT DE PIEGEAGE DE SULFURE POUR LA CONSTRUCTION DE PUITS DE GAZ D'ENFOUISSEMENT**
[72] EYSTER, PERRY, US
[71] HERITAGE RESEARCH GROUP, LLC, US
[85] 2024-05-10
[86] 2022-11-21 (PCT/US2022/050555)
[87] (WO2023/091745)
[30] US (63/264,306) 2021-11-19

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[13] A1
[51] **Int.Cl. A21D 2/36 (2006.01) A23L 7/161 (2016.01) A21D 13/00 (2017.01) A23G 3/00 (2006.01)**
[25] EN
[54] **STARCH-CONTAINING SWOLLEN COMPOSITION AND PRODUCTION METHOD THEREFOR, AND FERMENTED COMPOSITION AND PRODUCTION METHOD THEREFOR**
[54] **COMPOSITION DE SOUFFLAGE CONTENANT DE L'AMIDON, SON PROCEDE DE PRODUCTION, COMPOSITION DE FERMENTATION ET SON PROCEDE DE PRODUCTION**
[72] MIZUNO, HIROFUMI, JP
[72] YAMAMOTO, EISUKE, JP
[72] MIZUTA, ERIKA, JP
[72] TANAKA, SHUNGO, JP
[71] MIZKAN HOLDINGS CO., LTD., JP
[85] 2024-05-09
[86] 2023-06-28 (PCT/JP2023/024026)
[87] (WO2024/005093)
[30] JP (2022-103984) 2022-06-28

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[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4439 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **LPA RECEPTOR ANTAGONISTS AND USES THEREOF**
[54] **ANTAGONISTES DU RECEPTEUR LPA ET LEURS UTILISATIONS**
[72] BESTVATER, BRIAN P., CA
[72] PHILLIPS, BARTON W. (DECEASED), US
[72] ZAGORSKA, ANNA, US
[72] KAPLAN, JOSHUA A., US
[72] YANG, KIN S., US
[71] GILEAD SCIENCES, INC., US
[85] 2024-05-10
[86] 2022-12-06 (PCT/US2022/081008)
[87] (WO2023/107938)
[30] US (63/287,252) 2021-12-08

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[13] A1
[51] **Int.Cl. G06Q 10/087 (2023.01) G06F 3/0481 (2022.01) G06F 3/0482 (2013.01) G06F 3/04842 (2022.01)**
[25] EN
[54] **ADVANCED MERCHANDISING AND SHELF RESTOCKING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AVANCES DE MARCHANDISAGE ET DE REAPPROVISIONNEMENT DE RAYON**
[72] OPERSKO, CALEB, CA
[72] BELISLE, ANDRE, CA
[72] HUSSAIN, MOHANNAD, CA
[72] ZEROUAL, ALI, CA
[71] SPOT IT LTD., CA
[85] 2024-05-10
[86] 2022-11-11 (PCT/CA2022/051672)
[87] (WO2023/082015)
[30] US (63/278,259) 2021-11-11
[30] US (63/312,131) 2022-02-21

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[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B60N 2/26 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] ZHAO, GUANGHUI, CH
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2024-05-10
[86] 2022-11-14 (PCT/EP2022/081792)
[87] (WO2023/084079)
[30] CN (202111342785.7) 2021-11-12

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[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01C 23/02 (2006.01) A01M 17/00 (2006.01) A01B 45/02 (2006.01)**
[25] EN
[54] **VALVED DOSING SYSTEM**
[54] **SYSTEME DE DOSAGE PAR VALVE**
[72] NOEL, STEPHEN, JR., GB
[71] SEEGROW HOLDINGS LIMITED, GB
[85] 2024-05-10
[86] 2022-11-11 (PCT/GB2022/052868)
[87] (WO2023/084237)
[30] GB (2116272.2) 2021-11-11

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) G16H 10/40 (2018.01) G16H 20/10 (2018.01) G16H 20/40 (2018.01) G16H 40/60 (2018.01) G16H 40/63 (2018.01) G16H 40/67 (2018.01) G16H 50/20 (2018.01) G16H 50/70 (2018.01) A61B 5/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/1477 (2006.01) A61B 5/20 (2006.01)**
[25] EN
[54] **SENSING SYSTEMS AND METHODS FOR DIAGNOSING KIDNEY DISEASE**
[54] **SYSTEMES ET PROCEDES DE DETECTION POUR DIAGNOSTIQUER UNE MALADIE RENALE**
[72] JOHNSON, MATTHEW L., US
[72] AN, QI, US
[72] BARTLETT, RUSH, US
[72] PADERI, JOHN, US
[71] DEXCOM, INC., US
[85] 2024-05-10
[86] 2023-05-31 (PCT/US2023/024076)
[87] (WO2023/235443)
[30] US (63/365,702) 2022-06-01
[30] US (63/403,568) 2022-09-02
[30] US (63/403,582) 2022-09-02
[30] US (63/376,673) 2022-09-22
[30] US (63/377,332) 2022-09-27
[30] US (63/387,078) 2022-12-12

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/19 (2006.01) A61K 31/428 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/55 (2006.01) A61K 31/575 (2006.01) A61K 31/715 (2006.01) A61K 38/06 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **TREATING LIVER DISORDERS WITH AN SSAO INHIBITOR**
[54] **TRAITEMENT DE TROUBLES HEPATIQUES AVEC UN INHIBITEUR DE SSAO**
[72] JONES, CHRISTOPHER T., US
[72] FENAUX, MARTIJN, US
[72] WANG, YUJIN, US
[72] JIN, FENG, US
[72] CRITTENDEN, D. BARRY, US
[72] QUIRK, ERIN K., US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/049692)
[87] (WO2023/086562)
[30] US (63/263,934) 2021-11-11
[30] US (63/349,978) 2022-06-07

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[13] A1
[51] **Int.Cl. A01N 59/00 (2006.01) A01N 25/06 (2006.01) A01N 43/16 (2006.01) A01P 1/00 (2006.01) A01P 5/00 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **OZONE SPRAY METHODS**
[54] **PROCEDES DE PULVERISATION D'OZONE**
[72] NOEL, STEPHEN, JR., GB
[71] SEEGROW HOLDINGS LIMITED, GB
[85] 2024-05-10
[86] 2022-11-11 (PCT/GB2022/052869)
[87] (WO2023/084238)
[30] GB (2116273.0) 2021-11-11

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYZING AND UTILIZING CANCER TESTIS ANTIGEN BURDEN**
[54] **PROCEDES ET SYSTEMES D'ANALYSE ET D'UTILISATION DE LA CHARGE D'UN ANTIGENE TESTICULAIRE DU CANCER**
[72] PABLA, SARABJOT, US
[72] SEAGER, ROBERT JOHN, JR., US
[72] VAN ROEY, ERIK, US
[72] GAO, SHUANG, US
[72] CONROY, JEFFREY M., US
[71] OMNISEQ, INC., US
[85] 2024-05-10
[86] 2022-11-14 (PCT/US2022/049867)
[87] (WO2023/086652)
[30] US (63/263,913) 2021-11-11

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[13] A1
[51] **Int.Cl. C07K 14/18 (2006.01) G16B 20/20 (2019.01) G16B 30/00 (2019.01) A61K 39/29 (2006.01) A61K 39/385 (2006.01) A61P 31/14 (2006.01) C07K 14/435 (2006.01) C07K 19/00 (2006.01) C12N 15/40 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **POLYVALENT VACCINES AND METHODS FOR MAKING THEM**
[54] **VACCINS POLYVALENTS ET LEURS PROCEDES DE FABRICATION**
[72] CAMPO, DAVID S., US
[72] URBANOWICZ, RICHARD A., GB
[72] ABOUHAIDAR, MOUNIR G., CA
[72] MOSA, ALEXANDER I., CA
[72] FELD, JORDAN J., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] CAMPO, DAVID S., US
[71] URBANOWICZ, RICHARD A., GB
[71] ABOUHAIDAR, MOUNIR G., CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[71] UNIVERSITY OF LIVERPOOL, GB
[71] CENTERS FOR DISEASE CONTROL AND PREVENTION, US
[85] 2024-05-10
[86] 2022-11-14 (PCT/CA2022/051680)
[87] (WO2023/082022)
[30] US (63/278,467) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 31/53 (2006.01) A61P 1/16 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **TREATMENT OF LIVER DISORDERS WITH A THR-.BETA. AGONIST**
[54] **TRAITEMENT DE TROUBLES HEPATIQUES AVEC UN AGONISTE DE THR-.BETA.**
[72] JONES, CHRISTOPHER T., US
[72] KLUCHER, KEVIN, US
[72] CRITTENDEN, D. BARRY, US
[72] QUIRK, ERIN K., US
[72] JIN, FENG, US
[72] DUAN, MATT, US
[72] GUO, SHENG, US
[72] BIAN, JIANWEI, US
[72] DONG, QIANQUIAN, US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/CN2022/131297)
[87] (WO2023/083288)
[30] CN (PCT/CN2021/130083) 2021-11-11
[30] CN (PCT/CN2022/097426) 2022-06-07

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/369 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING A TYPE OF A BRAIN DYSFUNCTION DURING MEDICAL PROCEDURES**
[54] **SYSTEME ET PROCEDE DE DETERMINATION D'UN TYPE DE DYSFONCTIONNEMENT CEREBRAL PENDANT DES PROCEDURES MEDICALES**
[72] BAR ON SHAHAF, DANA, IL
[72] SHAHAF, GODED, IL
[71] RAMBAM MED-TECH LTD., IL
[85] 2024-05-14
[86] 2022-10-27 (PCT/IL2022/051142)
[87] (WO2023/084509)
[30] US (63/279,132) 2021-11-14
[30] US (63/309,722) 2022-02-14

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[13] A1
[51] **Int.Cl. C08J 3/22 (2006.01) C08J 3/05 (2006.01) C08J 3/12 (2006.01) C08K 3/04 (2006.01) C08K 7/22 (2006.01) C08L 33/12 (2006.01) C08L 91/06 (2006.01)**
[25] EN
[54] **REMOTE THERMAL ACTIVATION OF PARTICLES FOR INGREDIENT RELEASE AND ACTIVATION**
[54] **THERMOACTIVATION A DISTANCE DE PARTICULES POUR LIBERATION ET ACTIVATION D'INGREDIENT**
[72] MALOFSKY, ADAM GREGG, US
[72] LEVIN, STEVE, US
[72] POTLURI, SRINAGESH KUMAR, US
[72] SHAFER, JANE MORRIS, US
[71] NANO CATALYTICS, INC., US
[85] 2024-05-10
[86] 2022-11-14 (PCT/US2022/079840)
[87] (WO2023/087007)
[30] US (63/278,235) 2021-11-11

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[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 47/18 (2012.01)**
[25] EN
[54] **PRESSURE COMPENSATOR, METHOD FOR PRESSURE COMPENSATION, AND SYSTEM**
[54] **COMPENSATEUR DE PRESSION, PROCEDE DE COMPENSATION DE PRESSION ET SYSTEME**
[72] LOH, YUH, US
[72] ZHANG, ZHIHUI, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-14
[86] 2022-11-01 (PCT/US2022/048559)
[87] (WO2023/086240)
[30] US (17/526,512) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/498 (2006.01) A61K 31/4985 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION OF ANTIBODY-DRUG CONJUGATE AND PARP1 SELECTIVE INHIBITOR**
[54] **COMBINAISON D'UN CONJUGUE ANTICORPS-MEDICAMENT ET D'UN INHIBITEUR SELECTIF DE LA PARP1**
[72] SUNG, MATTHEW SIMON, US
[72] METTETAL II, JEROME THOMAS, US
[72] LEO, ELISABETTA, GB
[72] WALLEZ, YANN, GB
[72] PROIA, THERESA ANGELA, US
[71] ASTRAZENECA UK LIMITED, GB
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2024-05-14
[86] 2022-11-17 (PCT/IB2022/061095)
[87] (WO2023/089527)
[30] US (63/280,682) 2021-11-18

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[13] A1
[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/343 (2006.01) A61K 31/423 (2006.01) A61K 31/4523 (2006.01) A61K 31/4525 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 491/04 (2006.01) C07D 498/00 (2006.01)**
[25] EN
[54] **FUSED IMIDE DERIVATIVE**
[54] **DERIVE IMIDE FUSIONNE**
[72] ZHANG, YINSHENG, CN
[72] REN, JING, CN
[72] WANG, JINAN, CN
[72] XU, SHENG, CN
[72] YANG, XIAOJUN, CN
[72] DENG, LI, CN
[72] HUANG, YONGKANG, CN
[72] WANG, QINGLIN, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2024-05-10
[86] 2022-11-18 (PCT/CN2022/132769)
[87] (WO2023/088406)
[30] CN (202111371514.4) 2021-11-18
[30] CN (202210824373.5) 2022-07-13
[30] CN (202211378992.2) 2022-11-04
[30] CN (202211413934.9) 2022-11-11

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[13] A1
[51] **Int.Cl. A63C 17/01 (2006.01)**
[25] EN
[54] **A BOARD FOR USE IN SKATEBOARDING OR OTHER EXTREME SPORTS AND A METHOD OF MANUFACTURING SUCH A BOARD**
[54] **PLANCHE DESTINEE A ETRE UTILISEE DANS LA PLANCHE A ROULETTES OU D'AUTRES SPORTS EXTREMES ET PROCEDE DE FABRICATION D'UNE TELLE PLANCHE**
[72] PHILIMIS, PANAYIOTIS, CY
[72] CHARALAMBOUS, ANDREAS, CY
[71] CAPSULE SKATEBOARDS LTD, CY
[85] 2024-05-10
[86] 2022-11-08 (PCT/EP2022/081133)
[87] (WO2023/083810)
[30] GB (2116164.1) 2021-11-10

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[13] A1
[51] **Int.Cl. H04W 24/02 (2009.01)**
[25] EN
[54] **QUALITY OF EXPERIENCE PRIORITY METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE PRIORITE DE QUALITE D'EXPERIENCE**
[72] LIU, YANSHENG, CN
[72] GAO, YIN, CN
[72] LI, DAPENG, CN
[72] ZHANG, MAN, CN
[72] LIU, ZHUANG, CN
[71] ZTE CORPORATION, CN
[85] 2024-05-10
[86] 2022-09-28 (PCT/CN2022/122250)
[87] (WO2024/065306)

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[13] A1
[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **MOVEMENT MEASURING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE MESURE DE MOUVEMENT**
[72] KELLY, PETER JOHN, GB
[72] ELLIS, ROBERT, US
[71] KONEKSA HEALTH INC., US
[85] 2024-05-10
[86] 2022-12-12 (PCT/GB2022/053180)
[87] (WO2023/111534)
[30] US (17/549,226) 2021-12-13

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 9/12 (2006.01) A61K 31/245 (2006.01) A61K 31/4045 (2006.01) A61K 31/513 (2006.01) A61K 31/5377 (2006.01) A61K 31/706 (2006.01) A61K 31/7068 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **NOVEL ANTIVIRAL COMPOSITIONS COMPRISING OLEIC ACID**
[54] **NOUVELLES COMPOSITIONS ANTIVIRALES COMPRENANT DE L'ACIDE OLEIQUE**
[72] RAPEPORT, WILLIAM GARTH, GB
[72] ITO, KAZUHIRO, GB
[72] SHUR, JAGDEEP, GB
[71] SUBINTRO LIMITED, GB
[85] 2024-05-10
[86] 2022-12-23 (PCT/GB2022/053380)
[87] (WO2023/118896)
[30] EP (21217653.1) 2021-12-23

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[13] A1
[51] **Int.Cl. B01J 13/06 (2006.01) B01J 13/04 (2006.01)**
[25] EN
[54] **TUNABLE NANOSTRUCTURE FORMATION METHODS AND TECHNIQUES EXPLOITING ABLATION**
[54] **PROCEDES ET TECHNIQUES DE FORMATION DE NANOSTRUCTURES ACCORDABLES A L'AIDE D'ABLATION**
[72] NECHACHE, RIAD, CA
[71] NECHACHE, RIAD, CA
[85] 2024-05-14
[86] 2022-11-15 (PCT/CA2022/051681)
[87] (WO2023/082023)
[30] US (63/279,259) 2021-11-15

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[13] A1
[51] **Int.Cl. H01L 31/18 (2006.01) G05B 19/18 (2006.01) H01L 21/304 (2006.01) H01L 21/76 (2006.01)**
[25] EN
[54] **THIN FILM PHOTOVOLTAIC DEVICES AND MANUFACTURING METHODS**
[54] **DISPOSITIFS PHOTOVOLTAIQUES A COUCHES MINCES ET PROCEDES DE FABRICATION**
[72] NECULA, ROBERT, CA
[72] NECHACHE, RIAD, CA
[71] NECULA, ROBERT, CA
[71] NECHACHE, RIAD, CA
[85] 2024-05-14
[86] 2022-11-14 (PCT/CA2022/051673)
[87] (WO2023/082016)
[30] US (63/279,254) 2021-11-15

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[13] A1
[51] **Int.Cl. G01R 33/035 (2006.01) H03F 19/00 (2006.01) H03K 3/38 (2006.01) H03K 17/92 (2006.01) H03K 19/195 (2006.01)**
[25] EN
[54] **A QUANTUM MAGNETIC FIELD RECEIVING DEVICE**
[54] **DISPOSITIF DE RECEPTION DE CHAMP MAGNETIQUE QUANTIQUE**
[72] GIAZOTTO, FRANCESCO, IT
[72] ATANACKOVIC, PETAR B., AU
[72] TETTAMANZI, GIUSEPPE CARLO, AU
[72] NAKONE, ISAAC, AU
[71] THE UNIVERSITY OF ADELAIDE, AT
[71] GIAZOTTO, FRANCESCO, IT
[71] ATANACKOVIC, PETAR B., AU
[85] 2024-05-10
[86] 2022-11-11 (PCT/AU2022/051343)
[87] (WO2023/081970)
[30] AU (2021903616) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 31/00 (2006.01) A61K 47/22 (2006.01)**
[25] EN
[54] **SELF-EMULSIFYING OIL-IN-WATER MICROEMULSION OR NANOEMULSION, AND EMULSIFYING COMPOSITION**
[54] **MICROEMULSION OU NANOEMULSION HUILE DANS L'EAU AUTOEMULSIONNANTE ET COMPOSITION EMULSIONNANTE**
[72] STEINFELD, UTE, DE
[72] HEE LEE, HYECK, DE
[72] HOLZER, FRANK, DE
[72] MAHLER, MARKUS, DE
[71] URSAPHARM ARZNEIMITTEL GMBH, DE
[85] 2024-05-10
[86] 2022-11-11 (PCT/EP2022/081645)
[87] (WO2023/084038)
[30] DE (10 2021 212 692.8) 2021-11-11

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[13] A1
[51] **Int.Cl. G06N 10/60 (2022.01) G06N 10/20 (2022.01) G06F 17/16 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SOLVING A PROBLEM USING QUBIT COUPLED CLUSTER AND BINARY ENCODING OF QUANTUM INFORMATION**
[54] **PROCEDES ET SYSTEMES POUR RESOUDRE UN PROBLEME AU MOYEN D'UNE GRAPPE DE SERVEURS COUPLEE A UN BIT QUANTIQUE ET UN CODAGE BINAIRE D'INFORMATION QUANTIQUE**
[72] IZMAYLOV, ARTUR, CA
[72] LANG, ROBERT A., CA
[72] GENIN, SCOTT NICHOLAS, CA
[72] RYABINKIN, ILYA, CA
[71] OTI LUMIONICS INC., CA
[85] 2024-05-10
[86] 2022-11-10 (PCT/IB2022/060806)
[87] (WO2023/084425)
[30] US (63/277,784) 2021-11-10
[30] US (63/278,368) 2021-11-11

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[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/659 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **PELLETIZED ETHYLENE/.ALPHA.-OLEFIN COPOLYMER PRODUCT**
[54] **PRODUIT DE COPOLYMERE D'ETHYLENE/.ALPHA.-OLEFINE**
[72] SADEGHI, SOHEIL, CA
[72] NOORJAHAN, ABOLFAZL, CA
[72] BROWN, STEPHEN, CA
[72] PIERS FORTES FERREIRA, MARCIA, CA
[72] RAHIMI, MEHRNAZ, CA
[72] WANG, JUN, CA
[71] NOVA CHEMICALS CORPORATION, CA
[85] 2024-05-10
[86] 2022-12-13 (PCT/IB2022/062137)
[87] (WO2023/119061)
[30] US (63/292,343) 2021-12-21

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[13] A1
[51] **Int.Cl. B62K 5/003 (2013.01) B62K 5/08 (2006.01) A61G 5/04 (2013.01) B62K 5/00 (2013.01)**
[25] EN
[54] **A FOUR-WHEEL DRIVEN, ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN A QUATRE ROUES MOTRICES**
[72] STORVESTRE, MATTIAS, NO
[71] EXOTEK AS, NO
[85] 2024-05-10
[86] 2022-11-11 (PCT/NO2022/050256)
[87] (WO2023/085949)
[30] NO (20211370) 2021-11-12

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[13] A1
[51] **Int.Cl. F17C 13/00 (2006.01) F17C 5/02 (2006.01) F17C 7/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COOLING OF A LIQUEFIED GAS PRODUCT**
[54] **SYSTEME ET PROCEDE DE REFROIDISSEMENT D'UN PRODUIT GAZEUX LIQUEFIE**
[72] JONAS, JORN MAGNUS, NO
[72] MAGNUSSON, STIAN, NO
[71] AZANE FUEL SOLUTIONS AS, NO
[85] 2024-05-10
[86] 2022-11-18 (PCT/NO2022/050267)
[87] (WO2023/091027)
[30] NO (20211391) 2021-11-19

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[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/30 (2006.01) A24B 15/36 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **PRODUCTS WITH ENHANCED SENSORY CHARACTERISTICS**
[54] **PRODUITS PRESENTANT DES CARACTERISTIQUES SENSORIELLES AMELIOREES**
[72] KELLER, CHRISTOPHER, US
[72] ODEN, ROSS JAY, GB
[72] O'NEAL, TRAVIS, GB
[72] GRIMES, CHRIS J., GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-14
[86] 2022-11-15 (PCT/IB2022/060998)
[87] (WO2023/084499)
[30] US (63/279,668) 2021-11-15

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[13] A1
[51] **Int.Cl. G01F 1/84 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **CORIOLIS FLOWMETER EXTERNAL MAGNETIC FIELD QUANTIFICATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE QUANTIFICATION DE CHAMP MAGNETIQUE EXTERNE DE DEBITMETRE DE CORIOLIS**
[72] SCHMIDT, MARCUS J., US
[72] MCANALLY, CRAIG B., US
[71] MICRO MOTION, INC., US
[85] 2024-05-10
[86] 2021-11-12 (PCT/US2021/059129)
[87] (WO2023/086099)

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[13] A1
[51] **Int.Cl. E21B 7/24 (2006.01) E21B 1/28 (2006.01) E21B 7/04 (2006.01) E21B 31/00 (2006.01)**
[25] EN
[54] **DOWNHOLE VIBRATION TOOL**
[54] **OUTIL DE VIBRATION DE FOND DE TROU**
[72] RITCHIE, SHELDON, US
[72] ADAM, MARK, US
[72] FEDDEMA, CHAD, US
[71] TURBO DRILL INDUSTRIES, INC., US
[85] 2024-05-10
[86] 2022-11-16 (PCT/US2022/050036)
[87] (WO2023/091443)
[30] US (63/279,967) 2021-11-16

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[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/24 (2006.01) A24B 15/28 (2006.01)**
[25] EN
[54] **ORAL PRODUCTS WITH NICOTINE-POLYMER COMPLEX**
[54] **PRODUITS ORAUX CONTENANT UN COMPLEXE NICOTINE-POLYMERE**
[72] ROOHINEJAD, SHAHIN, US
[72] KELLER, CHRISTOPHER, GB
[72] ZAWADZKI, MICHAEL ANDREW, GB
[72] DARROW, BRANDON SCOTT, GB
[72] DANIEL, MICHAEL S., GB
[72] JACKSON, CORTNEY R., US
[72] WATTS, JOSHUA LEE, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-14
[86] 2022-11-15 (PCT/IB2022/060997)
[87] (WO2023/084498)
[30] US (63/279,669) 2021-11-15
[30] US (63/421,473) 2022-11-01

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **STABLE FORMULATIONS COMPRISING A BISPECIFIC BCMA/CD3 ANTIBODY**
[54] **FORMULATIONS STABLES COMPRENANT UN ANTICORPS BCMA/CD3 BISPECIFIQUE**
[72] MUZAMMIL, SALMAN, US
[72] MISTILIS, MATTHEW JOSEPH, US
[72] CHOUDHARI, SHYAMAL, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-10
[86] 2022-11-09 (PCT/US2022/079535)
[87] (WO2023/086817)
[30] US (63/277,885) 2021-11-10

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[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EYE TREATMENT**
[54] **SYSTEME ET METHODE DE TRAITEMENT OCULAIRE**
[72] MASKO, MARSHALL T., US
[72] VELURE, JOHN C., US
[72] MINOGUE, CONOR M., IE
[71] I-LUMEN SCIENTIFIC, INC., US
[85] 2024-05-14
[86] 2022-11-17 (PCT/US2022/050319)
[87] (WO2023/091611)
[30] US (63/281,558) 2021-11-19

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[13] A1
[51] **Int.Cl. C10M 107/10 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **SUSTAINABLE LUBRICANTS**
[54] **LUBRIFIANTS DURABLES**
[72] LEE, RICHARD D., US
[72] KIRKHAM, THOMAS L., JR., US
[71] EVOLVE LUBRICANTS, INC., US
[85] 2024-05-10
[86] 2022-11-10 (PCT/US2022/079642)
[87] (WO2023/086886)
[30] US (63/277,986) 2021-11-10
[30] US (63/277,989) 2021-11-10
[30] US (63/277,990) 2021-11-10
[30] US (63/278,939) 2021-11-12
[30] US (63/287,465) 2021-12-08

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[13] A1
[51] **Int.Cl. F28D 9/00 (2006.01) F28D 21/00 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER ARRANGEMENT, USE OF IT IN EXHAUST GAS HEAT RECOVERY AND METHOD FOR RECOVERING HEAT FROM EXHAUST GAS**
[54] **AGENCEMENT D'ECHANGEUR DE CHALEUR A PLAQUES, SON UTILISATION DANS LA RECUPERATION DE CHALEUR DE GAZ D'ECHAPPEMENT ET PROCEDE DE RECUPERATION DE CHALEUR A PARTIR DE GAZ D'ECHAPPEMEN**
[72] VIINIKKALA, REIMA, FI
[71] VAHTERUS OY, FI
[85] 2024-05-14
[86] 2022-12-19 (PCT/FI2022/050846)
[87] (WO2023/118653)
[30] FI (20216308) 2021-12-21

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[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 34/30 (2016.01)**
[25] EN
[54] **METHODS OF PLANNING A ROBOT- IMPLEMENTED DENTAL PROCEDURE**
[54] **PROCEDES DE PLANIFICATION D'UNE PROCEDURE DENTAIRE MISE EN OEUVRE PAR UN ROBOT**
[72] REEBYE, UDAY N., US
[72] MOZES, ALON, US
[72] MOSES, DENNIS, US
[72] TIEMAN, JAMES SCOTT, US
[72] BELLETTRE, ALEXANDRA, US
[72] RANDALL, CARTER JONAH, US
[72] KENI, PRANAV VIKAS, US
[72] CHAZOTTE, KEVIN CHRISTOPHER, US
[71] NEOCIS INC., US
[85] 2024-05-14
[86] 2022-11-14 (PCT/IB2022/060945)
[87] (WO2023/084487)
[30] US (63/279,454) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 47/69 (2017.01) A61K 39/215 (2006.01) A61P 31/14 (2006.01) C12N 15/63 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **SARS COV-2 VACCINE, ASSOCIATED POLYNUCLEOTIDES, AND METHODS OF USE**
[54] **VACCIN SARS-COV-2, POLYNUCLEOTIDES ASSOCIES ET METHODES D'UTILISATION**
[72] JIANG, HONG, US
[72] LEWIS, JOHN, CA
[72] RATURI, ARUN, CA
[72] THOMPSON, THORNTON, US
[71] AEGIS LIFE, INC., US
[71] ENTOS PHARMACEUTICALS, INC., CA
[85] 2024-05-14
[86] 2022-11-29 (PCT/US2022/051178)
[87] (WO2023/097102)
[30] US (63/264,649) 2021-11-29
[30] US (63/348,260) 2022-06-02

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[13] A1
[51] **Int.Cl. A61K 38/08 (2019.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) C07K 7/06 (2006.01) C07K 14/47 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **DICKKOPF-1 VARIANT ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS VARIANTS DICKKOPF-1 ET PROCEDES D'UTILISATION**
[72] SATO, AARON, US
[72] YUAN, TOM, US
[72] WANG, LINYA, US
[72] AXELROD, FUMIKO, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2024-05-14
[86] 2022-11-17 (PCT/US2022/050322)
[87] (WO2023/091614)
[30] US (63/280,840) 2021-11-18
[30] US (63/286,522) 2021-12-06
[30] US (63/374,497) 2022-09-02
[30] US (63/379,634) 2022-10-14

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/13 (2006.01) A61K 47/06 (2006.01) A61K 47/08 (2006.01)**
[25] EN
[54] **INTRAVITREAL CORTICOSTEROID EXTENDED RELEASE IMPLANT AND METHODS OF USE**
[54] **IMPLANT A LIBERATION PROLONGEE DE CORTICOSTEROIDES INTRAVITREENS ET PROCEDES D'UTILISATION**
[72] GARCIA, ANDRES, US
[72] LIU, XUNPEI, US
[71] EYEDEA BIO, LLC, US
[85] 2024-05-14
[86] 2022-11-18 (PCT/US2022/080164)
[87] (WO2023/092087)
[30] US (63/281,052) 2021-11-18

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[13] A1
[51] **Int.Cl. A23J 3/14 (2006.01) A23J 3/16 (2006.01) A23L 11/00 (2021.01)**
[25] EN
[54] **METHODS FOR PROCESSING ULTRA HIGH PROTEIN SOYBEANS, AND COMPOSITIONS RELATED THERETO**
[54] **PROCEDES DE TRAITEMENT DE SOJA A HAUTE TENEUR EN PROTEINES ET COMPOSITIONS ASSOCIEES A CE DERNIER**
[72] LOMBARDI, JASON F., US
[72] GIBSON, MICHAEL W., US
[72] CHELLADURAI, SAVITHA G., US
[72] COLLINS, TRENT L., US
[72] KINGSLEY, ANTHONY J., US
[72] RASHID NIAGHI, ALI, US
[72] BRUCKER, DUSTIN A., US
[72] PETROFSKY, KEITH, US
[71] BENSON HILL, INC., US
[71] LOMBARDI, JASON F., US
[71] GIBSON, MICHAEL W., US
[71] CHELLADURAI, SAVITHA G., US
[71] COLLINS, TRENT L., US
[71] KINGSLEY, ANTHONY J., US
[71] RASHID NIAGHI, ALI, US
[71] BRUCKER, DUSTIN A., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/079738)
[87] (WO2023/086952)
[30] US (63/278,995) 2021-11-12

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[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/34 (2006.01) A61K 8/46 (2006.01) A61K 8/60 (2006.01) A61K 8/64 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **PERSONAL CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS PERSONNELS**
[72] MCANGEL, SAMUEL, US
[72] LI, NINGWEI, US
[72] LEE, JONGHUN, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2024-05-14
[86] 2022-12-02 (PCT/US2022/051687)
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[30] US (63/285,308) 2021-12-02

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[51] **Int.Cl. A61M 60/00 (2021.01) A61M 60/13 (2021.01) A61M 60/857 (2021.01) A61M 60/867 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CANNULA FIBER LUMEN STRAIN RELIEF**
[54] **SYSTEME ET PROCEDE DE REDUCTION DE TENSION DE LUMIERE DE FIBRE DE CANULE**
[72] LOUGHLIN, CAM, US
[71] ABIOMED, INC., US
[85] 2024-05-14
[86] 2022-11-23 (PCT/US2022/050862)
[87] (WO2023/096966)
[30] US (63/282,407) 2021-11-23

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[13] A1
[51] **Int.Cl. F04B 53/00 (2006.01) F04B 53/16 (2006.01) F16M 9/00 (2006.01)**
[25] EN
[54] **PUMP CRADLE ASSEMBLY**
[54] **ENSEMBLE BERCEAU DE POMPE**
[72] NEEB, TIMOTHY HOWARD, CA
[72] ZIMMERMAN, TRISTAN, CA
[71] STORMWELL INC., CA
[85] 2024-05-14
[86] 2022-11-15 (PCT/CA2022/051683)
[87] (WO2023/082024)
[30] US (63/279,507) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) C07K 16/30 (2006.01)**
[25] EN
[54] **GPC3 BINDING AGENTS, CONJUGATES THEREOF AND METHODS OF USING THE SAME**
[54] **AGENTS DE LIAISON DE GPC3, LEURS CONJUGUES ET LEURS PROCEDES D'UTILISATION**
[72] SMITH, MARIA LEIA, US
[72] SUTHERLAND, MAY KUNG, US
[71] ARDEAGEN CORPORATION, US
[85] 2024-05-14
[86] 2022-11-18 (PCT/US2022/080183)
[87] (WO2023/092099)
[30] US (63/281,454) 2021-11-19
[30] US (63/326,061) 2022-03-31

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[13] A1
[51] **Int.Cl. C07D 265/30 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING DERIVATIVES OF SUBSTITUTED MORPHOLINES**
[54] **PROCEDE DE FABRICATION DE DERIVES DE MORPHOLINES SUBSTITUEES**
[72] SUN, YANJUN, US
[72] NALLAGANCHU, BHASKARA RAO, US
[72] OLSON, GARY L., US
[71] SUPERNUS PHARMACEUTICALS, INC., US
[85] 2024-05-14
[86] 2023-03-17 (PCT/US2023/015461)
[87] (WO2023/177845)
[30] US (63/321,423) 2022-03-18

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[13] A1
[51] **Int.Cl. A47K 13/00 (2006.01) A47K 13/10 (2006.01) A47K 13/12 (2006.01) A47K 13/24 (2006.01) A47K 13/26 (2006.01)**
[25] EN
[54] **SELF-LIFTING TOILET SEAT**
[54] **SIEGE DE TOILETTES AUTO-LEVANT**
[72] LI, MINGYUAN, US
[72] POUNANOV, MAX, US
[72] TANG, KEVIN Z., US
[72] BLONDER, GREG, US
[71] CLEANA INC., US
[85] 2024-05-14
[86] 2022-11-15 (PCT/US2022/049993)
[87] (WO2023/086678)
[30] US (63/279,646) 2021-11-15
[30] US (63/303,171) 2022-01-26
[30] US (63/325,523) 2022-03-30
[30] US (63/395,168) 2022-08-04

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[13] A1
[51] **Int.Cl. A01K 67/027 (2024.01) C12N 5/071 (2010.01) C07K 14/715 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING AND USING HUMAN HEPATOCYTES AND RELATED COMPOSITIONS**
[54] **PROCEDES DE PRODUCTION ET D'UTILISATION D'HEPATOCYTES HUMAINS ET COMPOSITIONS ASSOCIEES**
[72] KEYS, KEVIN, US
[72] MERRELL, ALLYSON, US
[72] BANDA, YAMBAZI, US
[72] GUEDELHOEFER, OTTO, US
[72] DORKO, KENNETH, US
[72] HICKEY, RAYMOND, US
[72] HOLMES, MICHAEL, US
[72] MAO, TIN, US
[72] MENDOZA, ALAN, US
[72] STEWART, LESLIE, US
[72] WILSON, ELIZABETH, US
[72] WITEK, RAFAL, US
[71] CYTOTHERYX, INC., US
[71] KEYS, KEVIN, US
[71] MERRELL, ALLYSON, US
[71] BANDA, YAMBAZI, US
[71] GUEDELHOEFER, OTTO, US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/079747)
[87] (WO2023/086958)
[30] US (63/278,854) 2021-11-12
[30] US (63/332,020) 2022-04-18
[30] US (63/332,022) 2022-04-18

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[13] A1
[51] **Int.Cl. E06B 9/266 (2006.01) E06B 9/323 (2006.01)**
[25] EN
[54] **MOTORIZED WINDOW TREATMENT**
[54] **TRAITEMENT DE FENETRE MOTORISE**
[72] FIEBIG, CHARLES, US
[72] SEIPLE, RANDY C., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2024-05-14
[86] 2022-11-16 (PCT/US2022/050051)
[87] (WO2023/091451)
[30] US (63/264,136) 2021-11-16

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[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/0783 (2010.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR IMPROVED EXPANSION AND USES OF IMMUNE CELLS**
[54] **SUBSTANCES ET PROCEDES POUR UNE MULTIPLICATION ET DES UTILISATIONS AMELIOREES DE CELLULES IMMUNITAIRES**
[72] GORDON, RENATA, US
[72] GREWAL, IQBAL S., US
[72] HAYES, SANDRA, US
[72] DE MAEYER, DRIES, US
[72] GOTTARDIS, MARCO, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-10
[86] 2022-11-11 (PCT/US2022/079759)
[87] (WO2023/086968)
[30] US (63/279,042) 2021-11-12
[30] US (63/323,040) 2022-03-23

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[13] A1
[51] **Int.Cl. B62J 1/08 (2006.01) B62M 6/40 (2010.01) B62M 3/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE BIKE**
[54] **VELO REGLABLE**
[72] MATTHIASSON, ASGEIR, IS
[71] BIKESON EHF., IS
[85] 2024-05-14
[86] 2022-11-15 (PCT/IS2022/050008)
[87] (WO2023/084546)
[30] IS (050349) 2021-11-15

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[13] A1
[51] **Int.Cl. H01H 9/04 (2006.01)**
[25] EN
[54] **OUTDOOR AND/OR WATERPROOF SWITCH**
[54] **COMMUTATEUR EXTERIEUR ET/OU ETANCHE A L'EAU**
[72] AARON, STEPHEN, US
[72] KAMOR, MICHAEL, US
[71] LEVITON MANUFACTURING CO., INC., US
[85] 2024-05-14
[86] 2022-12-29 (PCT/US2022/082503)
[87] (WO2023/141008)
[30] US (17/582,073) 2022-01-24

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[13] A1
[51] **Int.Cl. B04C 5/04 (2006.01) C10J 3/56 (2006.01) C10K 1/02 (2006.01)**
[25] FR
[54] **CYCLONE FOR A CHEMICAL LOOPING COMBUSTION FACILITY AND METHOD PROVIDED WITH AN INLET DUCT HAVING SLOPED WALLS AND GAS INJECTION**
[54] **CYCLONE POUR UNE INSTALLATION ET UN PROCEDE DE COMBUSTION EN BOUCLE CHIMIQUE MUNI D'UNE CONDUITE D'ARRIVEE A PAROIS INCLINEES ET INJECTION DE GAZ**
[72] TEBIANIAN, SINA, FR
[72] GAUTHIER, THIERRY, FR
[72] GUILLOU, FLORENT, FR
[71] IFP ENERGIES NOUVELLES, FR
[71] TOTALENERGIES ONETECH, FR
[85] 2024-05-14
[86] 2022-12-07 (PCT/EP2022/084843)
[87] (WO2023/110590)
[30] FR (FR2113894) 2021-12-17

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[13] A1
[51] **Int.Cl. H01R 4/48 (2006.01) H01R 9/24 (2006.01) H01R 25/00 (2006.01)**
[25] EN
[54] **WIRE TERMINALS**
[54] **BORNES DE FIL**
[72] KAMOR, MICHAEL, US
[72] JANSEN, RONALD, US
[72] TYLER, KELLY, US
[72] PILATO, NICHOLAS, US
[72] AARON, STEPHEN, US
[71] LEVITON MANUFACTURING CO., INC., US
[85] 2024-05-14
[86] 2023-01-24 (PCT/US2023/011392)
[87] (WO2023/154176)
[30] US (63/308,124) 2022-02-09

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[13] A1
[51] **Int.Cl. G06T 7/33 (2017.01) G06T 7/80 (2017.01) G06N 3/02 (2006.01) G06N 3/08 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMAGE REGISTRATION AND IMAGING DEVICE CALIBRATION**
[54] **SYSTEMES ET PROCEDES DE RECALAGE D'IMAGES ET D'ETALONNAGE DE DISPOSITIF D'IMAGERIE**
[72] JAVAN ROSHTKHARI, MEHRSAN, CA
[72] FENG, SHI, CA
[72] MARCHWICA, PAUL CHRISTOPHER, CA
[72] GAMBOA HIGUERA, JUAN CAMILO, CA
[72] JAMIESON, CHRISTOPHER MICHAEL, CA
[72] SIVA, PARTHIPAN, CA
[71] SPORTLOGIQ INC., CA
[85] 2024-05-14
[86] 2021-12-20 (PCT/CA2021/051848)
[87] (WO2023/115190)

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[13] A1
[51] **Int.Cl. A63G 21/18 (2006.01) A63G 21/02 (2006.01)**
[25] EN
[54] **CONJOINED MULTIPLE BOWL WATER SLIDE FEATURE**
[54] **ELEMENT DE TOBOGGAN AQUATIQUE A CUVES MULTIPLES CONJOINTES**
[72] BARRERA, CLAUDIO, CA
[72] HU, JASON, CA
[72] CORNWELL-MOTT, BEN, CA
[72] FLAVELL, ROSS, CA
[72] BRADLEY, BRUCE, CA
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[85] 2024-05-14
[86] 2022-11-15 (PCT/CA2022/051686)
[87] (WO2023/082026)
[30] US (63/264,087) 2021-11-15

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[13] A1
[51] **Int.Cl. A61G 7/10 (2006.01) A61H 3/00 (2006.01) A61H 3/04 (2006.01) B62K 11/00 (2013.01)**
[25] EN
[54] **MOBILITY ASSISTANCE DEVICE**
[54] **DISPOSITIF D'AIDE A LA MOBILITE**
[72] PARDOWITZ, BENJAMIN, DE
[71] ROOWALK MOBILITY GMBH, DE
[85] 2024-05-14
[86] 2022-11-30 (PCT/EP2022/083799)
[87] (WO2023/099538)
[30] EP (21211278.3) 2021-11-30

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 47/10 (2017.01) A61M 5/00 (2006.01)**
[25] EN
[54] **PRESERVED FORMULATIONS**
[54] **FORMULATIONS CONSERVEES**
[72] ALLEN, DAVID PAUL, US
[72] BEALS, JOHN MICHAEL, US
[72] CORVARI, VINCENT JOHN, US
[72] DONOVAN, PATRICK DANIEL, US
[72] QIAN, KEN KANGYI, US
[72] WANG, WEI, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-05-14
[86] 2022-11-14 (PCT/US2022/079791)
[87] (WO2023/086980)
[30] US (63/279,390) 2021-11-15

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[13] A1
[51] **Int.Cl. A61M 60/148 (2021.01) G16H 40/67 (2018.01) G16H 10/60 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACTIVITY TRACKING AND PHYSIOLOGICAL SENSING FOR CARDIAC RECOVERY ASSESSMENT AND SUPPORT IN MECHANICAL BLOOD PUMPS**
[54] **SYSTEMES ET PROCEDES DE SUIVI D'ACTIVITE ET DE DETECTION PHYSIOLOGIQUE POUR EVALUATION DE RECUPERATION CARDIAQUE ET SUPPORT DANS DES POMPES A SANG MECANIQUES**
[72] SHIP, ALEXANDER, US
[71] ABIOMED, INC., US
[85] 2024-05-14
[86] 2022-11-17 (PCT/US2022/050194)
[87] (WO2023/091541)
[30] US (63/280,327) 2021-11-17

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[13] A1
[51] **Int.Cl. A63G 21/18 (2006.01) A63G 21/02 (2006.01)**
[25] EN
[54] **ROTATING AMUSEMENT WATER RELATED FEATURE**
[54] **ELEMENT DE DIVERTISSEMENT ROTATIF ASSOCIE A L'EAU**
[72] FRANKOWSKI, HYUMA, CA
[72] WILLIAMS, KELLY, CA
[72] FLAVELL, ROSS, CA
[72] CHUTTER, GEOFF, CA
[72] SINITSIN, RYAN, CA
[72] BRADLEY, BRUCE, CA
[72] CORNWELL-MOTT, BEN, CA
[72] BARRERA, CLAUDIO, CA
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[85] 2024-05-14
[86] 2022-11-15 (PCT/CA2022/051688)
[87] (WO2023/082028)
[30] US (63/264,090) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 31/415 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **METHODS OF TREATING SARS-COV-2 INFECTION**
[54] **PROCEDES DE TRAITEMENT D'UNE INFECTION PAR LE SARS-COV-2**
[72] MILLER, MICHELLE, AU
[72] EWART, GARY DINNEEN, AU
[71] BIOTROM LIMITED, AU
[85] 2024-05-14
[86] 2022-11-24 (PCT/AU2022/051405)
[87] (WO2023/092180)
[30] AU (2021903789) 2021-11-24

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[13] A1
[51] **Int.Cl. F23C 10/08 (2006.01)**
[25] FR
[54] **LOOP COMBUSTION PLANT AND METHOD COMPRISING A CYCLONE AIR REACTOR**
[54] **INSTALLATION ET PROCEDE DE COMBUSTION EN BOUCLE COMPORTANT UN REACTEUR AIR CYCLONIQUE**
[72] LAROCHE, CATHERINE, FR
[72] GUILLOU, FLORENT, FR
[72] TEBIANIAN, SINA, FR
[71] IFP ENERGIES NOUVELLES, FR
[71] TOTALENERGIES ONETECH, FR
[85] 2024-05-14
[86] 2022-12-07 (PCT/EP2022/084839)
[87] (WO2023/110589)
[30] FR (FR2113898) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 31/4355 (2006.01) A61K 31/719 (2006.01)**
[25] EN
[54] **COMBINATION OF TLR LIGANDS, COMPOUNDS LABELLING TUMORS FOR IMMUNE ATTACK, ANTI-CD40 ANTIBODIES AND INHIBITORS OF GLUTAMINE METABOLISM FOR TREATING CANCER**
[54] **COMBINAISON DE LIGANDS DU TLR, DE COMPOSES POUR LE MARQUAGE DE TUMEURS POUR UNE ATTAQUE IMMUNITAIRE, D'ANTICORPS ANTI-CD40 ET D'INHIBITEURS DU METABOLISME DE LA GLUTAMINE POUR LE TRAITEMENT DU CANCE**
[72] ZENKA, JAN, CZ
[72] FREJLACHOVA, ANDREA, CZ
[72] LENCOVA, RADKA, CZ
[72] UHER, ONDREJ, CZ
[71] BIOCANIM A.S., CZ
[85] 2024-05-14
[86] 2022-11-03 (PCT/CZ2022/050115)
[87] (WO2023/083396)
[30] US (63/279,212) 2021-11-15

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[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 39/24 (2006.01)**
[25] EN
[54] **CONNECTOR COMPRISING AN ANTI-ROTATION AND ANTI-DISPLACEMENT MEANS**
[54] **RACCORD AVEC DISPOSITIFS ANTIROTATION ET ANTIDEPLACEMENT**
[72] JORN, JENS, DE
[72] KOPP, FLORIN, DE
[72] BOLZ, JOHANNES, DE
[72] HOHMANN, CHRISTIAN, DE
[71] B. BRAUN MELSUNGEN AG, DE
[85] 2024-05-14
[86] 2022-11-11 (PCT/EP2022/081582)
[87] (WO2023/084009)
[30] DE (10 2021 129 674.9) 2021-11-15

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[13] A1
[51] **Int.Cl. A61F 2/02 (2006.01)**
[25] EN
[54] **MODULAR IMPLANTABLE DEVICE FOR THE MACROENCAPSULATION OF CELLS**
[54] **DISPOSITIF IMPLANTABLE MODULAIRE POUR LA MACROENCAPSULATION DE CELLULES**
[72] LUDWIG, BARBARA, DE
[72] BORNSTEIN, STEFAN, DE
[72] WERNER, CARSTEN, DE
[72] HELLER, CAROLIN, DE
[72] WELZEL, PETRA, DE
[71] TECHNISCHE UNIVERSITAET DRESDEN, DE
[71] LEIBNIZ-INSTITUT FUR POLYMERFORSCHUNG DRESDEN E.V., DE
[85] 2024-05-14
[86] 2022-12-19 (PCT/EP2022/086567)
[87] (WO2023/117849)
[30] EP (21216070.9) 2021-12-20

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **CELL DELIVERY COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ADMINISTRATION CELLULAIRE ET LEURS METHODES D'UTILISATION**
[72] WILSON, ROSS C., US
[72] FOSS, DANA V., US
[72] HUNSINGER, JOHN, US
[72] CARR, DANIEL, US
[72] MARSON, ALEXANDER, US
[72] NGUYEN, DAVID-HUY, US
[72] SAHU, SRISHTI U., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-14
[86] 2022-11-22 (PCT/US2022/080336)
[87] (WO2023/097222)
[30] US (63/282,622) 2021-11-23

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[13] A1
[51] **Int.Cl. G16H 20/40 (2018.01) G16H 50/50 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING STAGES FOR ORTHODONTIC TREATMENT**
[54] **SYSTEMES ET PROCEDES POUR GENERER DES ETAPES D'UN TRAITEMENT ORTHODONTIQUE**
[72] GORBOVSKOY, EVGENY SERGEEVICH, RU
[72] EMELYANENKO, ANDREY LVOVICH, RU
[72] NIKOLSKIY, SERGEY, US
[71] SDC U.S. SMILEPAY SPV, US
[85] 2024-05-14
[86] 2021-11-15 (PCT/RU2021/000504)
[87] (WO2023/085967)

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[13] A1
[51] **Int.Cl. A61C 7/00 (2006.01)**
[25] EN
[54] **MODELING A BITE ADJUSTMENT FOR AN ORTHODONTIC TREATMENT PLAN**
[54] **MODELISATION D'UN REGLAGE DE PLAN D'OCCLUSION POUR UN PLAN DE TRAITEMENT ORTHODONTIQUE**
[72] KALININ, ANTON OLEGOVICH, RU
[72] NIKOLSKIY, SERGEY, US
[72] ZAMORA SBRAVATTI, ESTEBAN, ES
[71] SDC U.S. SMILEPAY SPV, US
[85] 2024-05-14
[86] 2021-11-15 (PCT/RU2021/000503)
[87] (WO2023/085966)

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[13] A1
[51] **Int.Cl. A61C 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A FINAL POSITION OF TEETH FOR ORTHODONTIC TREATMENT**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GENERER UNE POSITION FINALE DE DENTS POUR UN TRAITEMENT ORTHODONTIQUE**
[72] GORBOVSKOY, EVGENY SERGEEVICH, RU
[72] ZAMORA SBRAVATTI, ESTEBAN, ES
[72] NIKOLSKIY, SERGEY, US
[72] EMELYANENKO, ANDREY LVOVICH, RU
[72] KABYKIN, ALEKSEI VALERIEVICH, RU
[72] KALININ, ANTON OLEGOVICH, RU
[72] BOGATYREV, MAXIM ALEXANDROVICH, RU
[71] SDC U.S. SMILEPAY SPV, US
[85] 2024-05-14
[86] 2021-11-15 (PCT/RU2021/000502)
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[25] EN
[54] **METHODS OF ASSESSING SMOLDERING MULTIPLE MYELOMA**
[54] **PROCEDES D'EVALUATION DU MYELOME MULTIPLE A L'ETAT LATENT**
[72] MAI, SABINE, CA
[72] LOUIS, SHERIF, CA
[72] KNECHT, HANS, CA
[71] TELO GENOMICS HOLDINGS CORP., CA
[85] 2024-05-14
[86] 2022-11-16 (PCT/CA2022/051694)
[87] (WO2023/087105)
[30] CA (3139296) 2021-11-16

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[25] EN
[54] **METHOD FOR TREATING HEAD AND NECK CANCER**
[54] **PROCEDE DE TRAITEMENT DU CANCER DE LA TETE ET DU COU**
[72] CUI, JISONG, CN
[72] ZHAO, RENBIN, CN
[72] ZHOU, CARRIE, CN
[72] ZHANG, BIN, CN
[71] BEIJING INNOCARE PHARMA TECH CO., LTD., CN
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[86] 2022-11-03 (PCT/CN2022/129571)
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[30] US (63/279,985) 2021-11-16

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[51] **Int.Cl. F16C 19/06 (2006.01) F16C 19/52 (2006.01) F16C 23/00 (2006.01) F16C 23/08 (2006.01) F16C 35/00 (2006.01) F16C 35/077 (2006.01) F16C 41/00 (2006.01)**
[25] EN
[54] **ANTI-STATIC BEARING HOUSE**
[54] **LOGEMENT DE PALIER ANTISTATIQUE**
[72] OLSEN, TOMAS HECHT, DK
[71] NGI A/S, DK
[85] 2024-05-14
[86] 2022-12-05 (PCT/EP2022/084394)
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[30] DK (PA202101177) 2021-12-09

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[51] **Int.Cl. G06Q 40/06 (2012.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR EXECUTING QUANTITATIVE TRADING STRATEGY**
[54] **PROCEDE ET APPAREIL POUR EXECUTER UNE STRATEGIE DE COMMERCE QUANTITATIVE**
[72] HUA, BAIBO, CN
[71] FUTU NETWORK TECHNOLOGY (SHENZHEN) CO., LTD., CN
[85] 2024-05-14
[86] 2021-11-15 (PCT/CN2021/130705)
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[25] EN
[54] **SLIDING STRUCTURE, MOUNTING METHOD AND ACTUATOR**
[54] **STRUCTURE COULISSANTE, PROCEDE DE MONTAGE ET ACTIONNEUR**
[72] YAO, XINRAN, CN
[72] ZHU, GENGXING, CN
[72] GONG, ZHENBIN, CN
[71] CHANGZHOU KAIDI ELECTRICAL CO., LTD., CN
[85] 2024-05-15
[86] 2022-06-10 (PCT/CN2022/098156)
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[30] CN (202111354229.1) 2021-11-16

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[25] EN
[54] **IMMUNOGENIC COMPOSITIONS AND VACCINES IN THE TREATMENT AND PREVENTION OF INFECTIONS**
[54] **COMPOSITIONS IMMUNOGENES ET VACCINS DANS LE TRAITEMENT ET LA PREVENTION D'INFECTIONS**
[72] FISCHER, GERALD W., US
[72] SEI, CLARA J., US
[71] LONGHORN VACCINES AND DIAGNOSTICS, LLC, US
[85] 2024-05-13
[86] 2022-11-11 (PCT/US2022/049660)
[87] (WO2023/086542)
[30] US (63/278,759) 2021-11-12
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[51] **Int.Cl. A63B 21/005 (2006.01) H02K 7/08 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **NOISE REDUCTION ASSEMBLY FOR MOTOR-DRIVEN EXERCISE DEVICE**
[54] **ENSEMBLE REDUCTION DE BRUIT POUR UN DISPOSITIF D'EXERCICE ENTRAINE PAR MOTEUR**
[72] BHARGAVA, KRISNA, US
[72] BUCKLES, NICHOLAS, US
[71] ARENA INNOVATION CORP., US
[85] 2024-05-13
[86] 2022-11-11 (PCT/US2022/049709)
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[30] US (63/278,813) 2021-11-12

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[51] **Int.Cl. A61F 5/058 (2006.01) A42B 3/12 (2006.01) A42B 3/28 (2006.01)**
[25] EN
[54] **A CRANIAL REMOLDING ORTHOSIS DEVICE, SYSTEMS, AND METHODS THEREOF**
[54] **DISPOSITIF D'ORTHESE DE REMOULAGE CRANIEN, SYSTEMES ET PROCEDES ASSOCIES**
[72] SMITH, KOURTNEY F., US
[72] HINTON, CHRISTINA MARGARET, US
[72] TETRO, ROBERT ERNEST, US
[72] PAZMINO, ANDRES, US
[71] ORTHOMERICA PRODUCTS, INC., US
[71] SMITH, KOURTNEY F., US
[71] HINTON, CHRISTINA MARGARET, US
[71] TETRO, ROBERT ERNEST, US
[71] PAZMINO, ANDRES, US
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[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/38 (2006.01)**
[25] EN
[54] **CLOSURE AND ORGANIZER ASSEMBLIES THEREFOR**
[54] **FERMETURE ET ENSEMBLES D'ASSEMBLAGE ASSOCIES**
[72] COURCHAINE, WILFRED, US
[72] LICHOULAS, TED, US
[72] CHARLES, SCOTT, US
[71] AFL TELECOMMUNICATIONS LLC, US
[85] 2024-05-13
[86] 2022-11-18 (PCT/US2022/050358)
[87] (WO2023/091635)
[30] US (63/281,589) 2021-11-19
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[25] EN
[54] **METHODS AND SYSTEMS FOR FORMING TRAYS**
[54] **PROCEDES ET SYSTEMES DE FORMAGE DE PLATEAUX**
[72] WALSH, JOSEPH C., US
[72] CONATSER, ROBERT L., US
[72] WOODWARD, MARK, US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2024-05-13
[86] 2022-11-30 (PCT/US2022/051355)
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[30] US (63/284,823) 2021-12-01

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF THE CRYSTALLINE FORM A OF SELPERCATINIB. A RET INHIBITOR**
[54] **PROCEDES DE PREPARATION DE LA FORME CRISTALLINE A DU SELPERCATINIB, INHIBITEUR DE RET**
[72] BHARDWAJ, RAJNI MIGLANI, US
[72] MERRITT, JEREMY MILES, US
[72] SELBO, JON GORDON, US
[71] LOXO ONCOLOGY, INC., US
[85] 2024-05-13
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[54] **SELF-MAINTAINING HOT TUB OR SPA**
[54] **SPA OU CUVE THERMALE A AUTO-ENTRETIEN**
[72] MOIR, ERICA ALOISIA, US
[72] PIERSON, BRIAN, US
[72] OVALLE, LARRY R., US
[71] SUNDANCE SPAS, INC., US
[85] 2024-05-13
[86] 2022-11-16 (PCT/US2022/079980)
[87] (WO2023/091962)
[30] US (63/264,359) 2021-11-19
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[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/133 (2010.01) H01M 4/134 (2010.01) H01M 4/1393 (2010.01) H01M 4/1395 (2010.01) H01M 4/36 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **LITHIUM CARBON COMPOSITE BATTERY**
[54] **BATTERIE COMPOSITE AU LITHIUM-CARBONE**
[72] PHILLIP, NATHAN D., US
[72] SAKSHAUG, AVERY J., US
[72] PATEL, RAJANKUMAR, US
[72] DHANABALAN, ABIRAMI, US
[72] TIMMONS, CHRISTOPHER, US
[72] FEAVER, AARON M., US
[72] COSTANTINO, HENRY R., US
[71] GROUP14 TECHNOLOGIES, INC., US
[85] 2024-05-13
[86] 2022-11-17 (PCT/US2022/080075)
[87] (WO2023/092030)
[30] US (63/280,491) 2021-11-17

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/075 (2006.01) A61K 31/155 (2006.01) A61K 31/205 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **A SYNERGISTIC COMPOSITION FOR ACTIVATING INTRACELLULAR SECONDARY MESSENGER(CAMP) PATHWAY**
[54] **COMPOSITION SYNERGIQUE POUR ACTIVER LA VOIE (CAMP) DE MESSAGER SECONDAIRE INTRACELLULAIRE**
[72] SAMANT, RAJARAM, IN
[71] CELAGENEX RESEARCH (INDIA) PVT. LTD., IN
[85] 2024-05-10
[86] 2022-06-14 (PCT/IN2022/050544)
[87] (WO2023/084531)
[30] IN (202121051996) 2021-11-12

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[51] **Int.Cl. C12N 15/12 (2006.01) A61K 35/17 (2015.01) A61K 35/545 (2015.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/24 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **GENE-MODIFIED PLURIPOTENT STEM CELL, IMMUNOCOMPETENT CELL DERIVED THEREFROM, METHOD FOR PRODUCING SAID CELLS, AND USE THEREOF**
[54] **CELLULE SOUCHE PLURIPOTENTE GENETIQUEMENT MODIFIEE, CELLULE IMMUNOCOMPETENTE DERIVEE, PROCEDE DE PRODUCTION DE CES CELLULES ET UTILISATION ASSOCIEE**
[72] TAMURA, KOUICHI, JP
[72] KIMURA, HIRONOBU, JP
[72] HOSOYA, TOMONORI, JP
[72] YAMADA, MASASHI, JP
[71] HEALIOS K.K., JP
[85] 2024-05-10
[86] 2022-11-10 (PCT/JP2022/041884)
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[30] JP (2021-184197) 2021-11-11

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[51] **Int.Cl. G21F 9/32 (2006.01) F23G 5/00 (2006.01) F23G 5/08 (2006.01) F23G 5/44 (2006.01) F23G 7/00 (2006.01) F23J 15/08 (2006.01) H05H 1/46 (2006.01)**
[25] EN
[54] **PLASMA CURTAIN GENERATOR IN ATMOSPHERIC PRESSURE STATE USING HIGH VOLTAGE AND MAGNETIC FORCE AND LOW-VACUUM INCINERATION FACILITY FOR LOW- AND INTERMEDIATE-LEVEL RADIOACTIVE WASTE TREATMENT USING SAME**
[54] **GENERATEUR DE RIDEAU DE PLASMA A L'ETAT DE PRESSION ATMOSPHERIQUE FONCTIONNANT A L'AIDE D'UNE HAUTE TENSION ET D'UNE FORCE MAGNETIQUE, ET INSTALLATION D'INCINERATION A VIDE REDUIT POUR LE TRAITEMENT DE DECHETS RADIO ACTIFS DE FAIBLE ET MOYENNE ACTIVITE A L'AIDE D'UN TEL GENERATEUR**
[72] KANG, HORIM, KR
[72] KIM, HYEJUNG, KR
[72] KANG, INHAN, KR
[72] KANG, HAE, KR
[71] KANG, HORIM, KR
[71] KIM, HYEJUNG, KR
[71] KANG, INHAN, KR
[71] KANG, HAE, KR
[85] 2024-05-10
[86] 2022-11-11 (PCT/KR2022/017784)
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[30] KR (10-2021-0154789) 2021-11-11
[30] KR (10-2022-0104245) 2022-08-19

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[51] **Int.Cl. A62B 33/00 (2006.01) A62B 7/00 (2006.01) A62B 9/00 (2006.01) A62B 18/00 (2006.01)**
[25] EN
[54] **A SURVIVAL DEVICE FOR FEEDING A STEADY SUPPLY OF BREATHABLE AIR INTO AN ENVIRONMENT**
[54] **DISPOSITIF DE SURVIE POUR L'ALIMENTATION CONSTANTE EN AIR RESPIRABLE DANS UN ENVIRONNEMENT**
[72] BERGE, TOR, NO
[72] ANDREASSEN, SIGMUND, NO
[72] MJOLHUS, ANDRE, NO
[71] SAFEBACK AS, NO
[85] 2024-05-10
[86] 2022-11-09 (PCT/NO2022/050254)
[87] (WO2023/085947)
[30] NO (20211364) 2021-11-12
[30] NO (20220224) 2022-02-17

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[51] **Int.Cl. C07K 14/475 (2006.01) A61K 47/60 (2017.01) A61K 47/64 (2017.01)**
[25] EN
[54] **CELL PENETRATING POLYPEPTIDES (CPPS) AND THEIR USE IN HUMAN THERAPY**
[54] **POLYPEPTIDES DE PENETRATION CELLULAIRE (CPPS) ET LEUR UTILISATION EN THERAPIE HUMAINE**
[72] KUHNE, CHRISTIAN, AT
[71] RDP PHARMA AG, CH
[71] PAGS CO., LTD., KR
[85] 2024-05-15
[86] 2022-12-15 (PCT/EP2022/086215)
[87] (WO2023/111213)
[30] EP (21215322.5) 2021-12-16
[30] EP (22150880.7) 2022-01-11

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[13] A1
[51] **Int.Cl. G16B 20/30 (2019.01) G16B 40/20 (2019.01) C07K 14/725 (2006.01)**
[25] EN
[54] **METHODS FOR THE DESIGN AND OPTIMISATION OF CHIMERIC ANTIGEN RECEPTORS (CARS)**
[54] **PROCEDES DE CONCEPTION ET D'OPTIMISATION DE RECEPTEURS D'ANTIGENES CHIMERIQUES (CAR)**
[72] BORNSCHEIN, SIMON, GB
[72] LAMPI, YOULIA, GB
[72] LEES, JONATHAN, GB
[71] CODING BIO LIMITED, GB
[85] 2024-05-13
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[30] GB (2116514.7) 2021-11-16

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[51] **Int.Cl. C01B 33/107 (2006.01)**
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[54] **PROCESS FOR THE PRODUCTION OF SILICON TETRACHLORIDE**
[54] **PROCEDE DE PRODUCTION DE TETRACHLORURE DE SILICIUM**
[72] YANKO, TARAS, PL
[72] SIDORENKO, SERGIY, PL
[72] STEPANISHEVA, DINA, PL
[71] PCC SE, DE
[85] 2024-05-13
[86] 2022-11-16 (PCT/EP2022/082069)
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[30] EP (21208645.8) 2021-11-16

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[51] **Int.Cl. E03F 3/04 (2006.01) E03F 5/02 (2006.01) F16L 5/02 (2006.01) F16L 41/00 (2006.01) F16L 41/08 (2006.01)**
[25] EN
[54] **METHOD, CONNECTOR AND APPARATUS FOR CONNECTING A PIPE TO A PIT OR A WALL**
[54] **PROCEDE, RACCORD ET APPAREIL POUR RACCORDER UN TUYAU A UNE FOSSE OU A UNE PAROI**
[72] PRUSAC, DANIEL, AU
[72] ABEYSINGHE, CHANAKA, AU
[72] HOPKINS, CHRIS, AU
[71] INFRASTRUCTURE PRODUCTS AUSTRALIA PTY LTD, AU
[85] 2024-05-13
[86] 2022-12-14 (PCT/AU2022/051504)
[87] (WO2023/108212)
[30] AU (2021904065) 2021-12-14

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[13] A1
[51] **Int.Cl. D21C 11/12 (2006.01) F16J 15/16 (2006.01) F16J 15/56 (2006.01) F23M 5/00 (2006.01) F23M 11/02 (2006.01)**
[25] EN
[54] **A GASKET ARRANGEMENT FOR A PROTRUDING BAR OF A BOILER AND A METHOD OF OPERATING THE GASKET ARRANGEMENT**
[54] **AGENCEMENT DE JOINT STATIQUE POUR UNE BARRE SAILLANTE D'UNE CHAUDIERE ET PROCEDE DE MISE EN FONCTIONNEMENT DE L'AGENCEMENT DE JOINT STATIQUE**
[72] BRUNOU, JARKKO, FI
[72] RASANEN, JANI, FI
[71] ANDRITZ OY, FI
[85] 2024-05-15
[86] 2022-11-30 (PCT/FI2022/050800)
[87] (WO2023/099817)
[30] FI (20216229) 2021-12-01

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[13] A1
[51] **Int.Cl. C25C 3/08 (2006.01) C25C 3/10 (2006.01)**
[25] FR
[54] **INTERIOR LINING SYSTEM FOR AN ELECTROLYTIC CELL**
[54] **SYSTEME DE REVETEMENT INTERIEUR POUR CUVE D'ELECTROLYSE**
[72] LANGLOIS, STEVE, FR
[72] TINKA, DENIS, FR
[72] ALLANO, BERTRAND, FR
[72] MARTIN, OLIVIER, FR
[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2024-05-13
[86] 2022-11-17 (PCT/CA2022/051698)
[87] (WO2023/087107)
[30] FR (FR2112213) 2021-11-18

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF USING ANTI-PSGL-1 ANTIBODIES IN COMBINATION WITH JAK INHIBITORS TO TREAT T-CELL MEDIATED INFLAMMATORY DISEASES OR CANCERS**
[54] **METHODES D'UTILISATION D'ANTICORPS ANTI-PSGL-1 EN COMBINAISON AVEC DES INHIBITEURS DE JAK POUR TRAITER DES CANCERS OU DES MALADIES INFLAMMATOIRES INDUITES PAR LES LYMPHOCYTES T**
[72] LIN, SHIH-YAO, TW
[72] CHIANG, FENG-LIN, TW
[72] YEH, YOU-CHIA, TW
[71] ALTRUBIO INC., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/079976)
[87] (WO2023/091958)
[30] US (63/280,463) 2021-11-17

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[51] **Int.Cl. H02M 1/08 (2006.01) H02M 1/44 (2007.01) H02M 7/66 (2006.01) H02P 27/06 (2006.01)**
[25] EN
[54] **REDUCTION OF ELECTROMAGNETIC INTERFERENCE USING RANDOM FINITE FREQUENCY SET PULSE-WIDTH MODULATION**
[54] **REDUCTION DE PERTURBATIONS ELECTROMAGNETIQUES A L'AIDE D'UNE MODULATION DE LARGEUR D'IMPULSION A ENSEMBLES DE FREQUENCES FINIS ALEATOIRES**
[72] ABARZADEH, MOSTAFA, CA
[72] CARON, SIMON, CA
[71] SMARTD TECHNOLOGIES INC., CA
[85] 2024-05-13
[86] 2022-11-23 (PCT/CA2022/051721)
[87] (WO2023/092224)
[30] US (63/283,263) 2021-11-25

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[13] A1
[51] **Int.Cl. G06N 10/40 (2022.01)**
[25] EN
[54] **QUANTUM DEVICE AND METHOD OF OPERATING SAME**
[54] **DISPOSITIF QUANTIQUE ET PROCEDE POUR SON FONCTIONNEMENT**
[72] CAMIRAND LEMYRE, JULIEN, CA
[72] LEMIEUX, PASCAL, CA
[71] NORD QUANTIQUE INC., CA
[85] 2024-05-15
[86] 2022-11-11 (PCT/CA2022/051671)
[87] (WO2023/082014)
[30] US (63/279,333) 2021-11-15
[30] US (63/279,347) 2021-11-15
[30] US (18/054,704) 2022-11-11

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[51] **Int.Cl. A61K 31/35 (2006.01) A61K 31/191 (2006.01) A61P 25/00 (2006.01) C07C 59/105 (2006.01) C07D 491/06 (2006.01)**
[25] EN
[54] **ALPHA-1062 FOR TREATING TRAUMATIC BRAIN INJURY**
[54] **ALPHA-1062 DESTINE AU TRAITEMENT D'UNE LESION CEREBRALE TRAUMATIQUE**
[72] KAY, DENIS G., CA
[71] ALPHA COGNITION INC., CA
[85] 2024-05-13
[86] 2022-11-25 (PCT/CA2022/051730)
[87] (WO2023/092231)
[30] EP (21210661.1) 2021-11-26
[30] EP (22157789.3) 2022-02-21
[30] EP (22178357.4) 2022-06-10

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[51] **Int.Cl. G06T 7/00 (2017.01) G06T 5/00 (2024.01)**
[25] EN
[54] **PRECISION THREE-DIMENSIONAL PAVEMENT FAULTING MEASUREMENT METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE MESURE DE DEFAUT DE PAVE TRIDIMENSIONNEL DE PRECISION**
[72] LIN, HONG, CN
[72] CAO, MIN, CN
[72] LU, YI, CN
[72] WANG, XINLIN, CN
[72] QU, XUAN, CN
[72] LI, HUI, CN
[72] HU, XIUWEN, CN
[71] WUHAN OPTICS VALLEY ZOYON SCIENCE AND TECHNOLOGY CO., LTD., CN
[85] 2024-05-13
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[30] CN (202111572820.4) 2021-12-21

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[51] **Int.Cl. C22C 38/00 (2006.01) C21D 9/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/24 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01)**
[25] EN
[54] **COMPONENT MADE OF B-ZR ALLOYED STEEL**
[54] **ELEMENT EN ACIER ALLIE A BASE DE B-ZR**
[72] SOLIMANI, ALI, DE
[72] GALLER, MATTHEW, AT
[72] KIENREICH, ROBERT, AT
[71] KAMAX HOLDING GMBH & CO. KG, DE
[71] VOESTALPINE WIRE ROD AUSTRIA GMBH, AT
[85] 2024-05-13
[86] 2022-12-01 (PCT/EP2022/084020)
[87] (WO2023/099654)
[30] EP (21211997.8) 2021-12-02

[21] **3,238,224**
[13] A1
[51] **Int.Cl. B65G 39/02 (2006.01)**
[25] EN
[54] **CONVEYOR COMPONENT WITH FLEXIBLE HUB AND CONVEYOR ASSEMBLY**
[54] **COMPOSANT DE TRANSPORTEUR A MOYEU FLEXIBLE ET ENSEMBLE TRANSPORTEUR**
[72] VULPETTI, MATTHEW, US
[72] HALE, RYAN, US
[71] LAITRAM, L.L.C., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/050091)
[87] (WO2023/101816)
[30] US (63/285,112) 2021-12-02

[21] **3,238,225**
[13] A1
[51] **Int.Cl. G16Z 99/00 (2019.01) G06Q 10/04 (2023.01)**
[25] EN
[54] **DIGITAL MODEL BASED PLANT OPERATION AND OPTIMIZATION**
[54] **EXPLOITATION ET OPTIMISATION D'UNE INSTALLATION BASEES SUR UN MODELE NUMERIQUE**
[72] WOLFE, BEN, CA
[72] BHARADWAJ, DEVESH, CA
[71] PANI ENERGY INC, CA
[85] 2024-05-13
[86] 2022-10-03 (PCT/IB2022/059426)
[87] (WO2023/084330)
[30] US (17/525,467) 2021-11-12

[21] **3,238,227**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/30 (2015.01) A61P 27/02 (2006.01) C12N 1/04 (2006.01)**
[25] EN
[54] **CRYOPRESERVATION PREPARATION FOR CORNEAL ENDOTHELIAL CELLS AND METHOD FOR PRODUCING SAID CRYOPRESERVATION PREPARATION**
[54] **PREPARATION DE CRYOCONSERVATION POUR CELLULES ENDOTHELIALES CORNEENNES ET PROCEDE DE PRODUCTION DE LADITE PREPARATION DE CRYOCONSERVATION**
[72] KOIZUMI, NORIKO, JP
[72] OKUMURA, NAOKI, JP
[72] MATSUOKA, YASUSHI, JP
[71] THE DOSHISHA, JP
[71] ACTUALEYES INC., JP
[85] 2024-05-13
[86] 2022-11-10 (PCT/JP2022/041960)
[87] (WO2023/085369)
[30] JP (2021-184246) 2021-11-11

[21] **3,238,228**
[13] A1
[51] **Int.Cl. G01N 23/02 (2006.01) G01N 21/17 (2006.01) G01N 23/06 (2018.01) G01N 23/083 (2018.01) G01T 1/00 (2006.01) G01T 1/164 (2006.01) G01T 1/20 (2006.01)**
[25] EN
[54] **SHROUDED X-RAY DEVICE**
[54] **DISPOSITIF A RAYONS X BLINDE**
[72] DAMIANO, ADAM, US
[72] CHAN, BRIAN, US
[71] LUMAFIELD, US
[85] 2024-05-15
[86] 2022-11-15 (PCT/US2022/050014)
[87] (WO2023/091435)
[30] US (63/280,064) 2021-11-16

[21] **3,238,229**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01)**
[25] EN
[54] **DEPLETING EGFR AND HER2 OVERCOMES RESISTANCE TO EGFR INHIBITORS IN COLORECTAL CANCER**
[54] **LA DEPLETION EN EGFR ET HER2 SUPPRIME LA RESISTANCE A DES INHIBITEURS D'EGFR DANS LE CANCER COLORECTAL**
[72] ZHANG, YUESHENG, US
[72] YANG, LU, US
[72] BHATTACHARYA, ARUP, US
[72] LI, YUN, US
[71] HEALTH RESEARCH INC., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/079935)
[87] (WO2023/091929)
[30] US (63/280,109) 2021-11-16

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[13] A1
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 31/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **AMUSEMENT CONTENT PROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE CONTENU DE DIVERTISSEMENT**
[72] GOERGEN, PATRICK JOHN, US
[72] JORDAN, ROBERT, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2024-05-15
[86] 2022-12-07 (PCT/US2022/052104)
[87] (WO2023/107542)
[30] US (63/287,602) 2021-12-09
[30] US (63/308,847) 2022-02-10
[30] US (18/075,125) 2022-12-05

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[13] A1
[51] **Int.Cl. C09K 8/14 (2006.01) C09K 8/03 (2006.01)**
[25] EN
[54] **DRILLING FLUID BASED ON NANOCLAY MINERALS AND MANUFACTURING METHOD THEREOF**
[54] **BOUE DE FORAGE A BASE DE MINERAUX DE NANO-ARGILE ET SON PROCEDE DE PRODUCTION**
[72] KIM, SOO-YOUNG, KR
[72] HONG, SUNG-HYUN, KR
[72] HWANG, WOOK-RYOL, KR
[72] JO, HAE-JIN, KR
[72] KIM, YOUNG-JU, KR
[72] WOO, NAM-SUB, KR
[72] HAN, SANG-MOK, KR
[71] KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION, KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION GYEONGSANG NATIONAL UNIVERSITY, KR
[71] KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES (KIGAM), KR
[85] 2024-05-13
[86] 2022-11-04 (PCT/KR2022/017237)
[87] (WO2023/080709)
[30] KR (10-2021-0151005) 2021-11-05

[21] **3,238,232**
[13] A1
[51] **Int.Cl. H01M 50/533 (2021.01) H01M 50/538 (2021.01) B26D 1/00 (2006.01) B26D 1/08 (2006.01) B26D 1/11 (2006.01) B26D 7/08 (2006.01) H01M 10/04 (2006.01)**
[25] EN
[54] **CUTTING DEVICE, ELECTRODE ASSEMBLY, CYLINDRICAL BATTERY CELL, ELECTRODE ASSEMBLY MANUFACTURING DEVICE, BATTERY PACK AND VEHICLE INCLUDING THE ELECTRODE ASSEMBLY, AND BATTERY CELL MANUFACTURING METHOD**
[54] **DISPOSITIF DE COUPE, ENSEMBLE ELECTRODE, CELLULE DE BATTERIE, DISPOSITIF DE TRAITEMENT D'ENSEMBLE ELECTRODE, BLOC-BATTERIE ET VEHICULE LE COMPRENANT, ET PROCEDE DE FABRICATION DE CELLULE DE BATTERIE**
[72] KIM, MINWOO, KR
[72] KIM, DO GYUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-13
[86] 2022-11-11 (PCT/KR2022/017697)
[87] (WO2023/085829)
[30] KR (10-2021-0155213) 2021-11-11
[30] KR (10-2022-0079449) 2022-06-29

[21] **3,238,233**
[13] A1
[51] **Int.Cl. F02D 19/06 (2006.01) F02D 19/02 (2006.01) F02D 19/08 (2006.01) F02D 19/10 (2006.01) F02M 43/04 (2006.01)**
[25] EN
[54] **INJECTORS, METHODS, AND SYSTEMS FOR DUAL FUEL COMBUSTION**
[54] **INJECTEURS, PROCEDES ET SYSTEMES POUR UNE COMBUSTION A DEUX CARBURANTS**
[72] HOU, DEYANG, US
[71] QUANTLOGIC CORPORATION, US
[71] HOU, DEYANG, US
[85] 2024-05-15
[86] 2022-12-06 (PCT/US2022/051922)
[87] (WO2023/091802)
[30] US (63/281,629) 2021-11-20

[21] **3,238,234**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 8/66 (2006.01) A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **BOTULINUM NEUROTOXIN COMPOSITION**
[54] **COMPOSITION DE NEUROTOXINE BOTULIQUE**
[72] KWAK, SEONGSUNG, KR
[72] KWON, JINHEE, KR
[72] BYUN, JAEYOON, KR
[71] MEDYTOX INC., KR
[85] 2024-05-13
[86] 2022-11-11 (PCT/KR2022/017751)
[87] (WO2023/085849)
[30] KR (10-2021-0156686) 2021-11-15
[30] KR (10-2021-0156703) 2021-11-15

[21] **3,238,235**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/497 (2006.01)**
[25] EN
[54] **PYRAZINE COMPOUNDS USEFUL IN THE TREATMENT OF PARASITIC PROTOZOAL INFECTION**
[54] **COMPOSES DE PYRAZINE UTILES DANS LE TRAITEMENT D'UNE INFECTION PROTOZOAIRE PARASITAIRE**
[72] FERNANDEZ-MOLINA, JORGE, ES
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2024-05-15
[86] 2022-11-21 (PCT/EP2022/082570)
[87] (WO2023/094305)
[30] EP (21383056.5) 2021-11-23

[21] **3,238,236**
[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 9/60 (2021.01) C25B 9/70 (2021.01) C25B 9/77 (2021.01) C25B 15/027 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **ELECTROLYSIS UNIT FOR OBTAINING GASEOUS PRODUCTS**
[54] **UNITE D'ELECTROLYSE POUR OBTENIR DES PRODUITS GAZEUX**
[72] CARRETTIN, LEONELLO, IT
[71] INDUSTRIE DE NORA S.P.A., IT
[85] 2024-05-15
[86] 2022-11-17 (PCT/EP2022/082266)
[87] (WO2023/089024)
[30] EP (21208945.2) 2021-11-18

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[13] A1
[51] **Int.Cl. H01M 50/449 (2021.01) H01M 10/0587 (2010.01) H01M 50/107 (2021.01) H01M 50/446 (2021.01) H01M 50/533 (2021.01) H01M 50/538 (2021.01) H01M 10/04 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **SEPARATOR, ELECTRODE ASSEMBLY, CYLINDRICAL BATTERY CELL, AND BATTERY PACK AND VEHICLE COMPRISING THE SAME**
[54] **SEPARATEUR, ENSEMBLE ELECTRODE, ELEMENT CYLINDRIQUE DE BATTERIE, BLOC-BATTERIE ET VEHICULE LES COMPRENANT**
[72] WOO, JAE-YOUNG, KR
[72] KIM, SUE-JIN, KR
[72] RYU, DUK-HYUN, KR
[72] LEE, MYUNG-AN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-13
[86] 2022-11-14 (PCT/KR2022/017917)
[87] (WO2023/085893)
[30] KR (10-2021-0156090) 2021-11-12

[21] **3,238,238**
[13] A1
[51] **Int.Cl. G09B 21/00 (2006.01)**
[25] EN
[54] **DEVICE FOR AIDING VISUALLY IMPAIRED OR BLIND PERSONS WHILE SHOPPING**
[54] **DISPOSITIF D'AIDE AUX PERSONNES MALVOYANTES OU AVEUGLES PENDANT LES COURSES**
[72] GMAJNIC, NIKOLA, AT
[72] JAUCK, PHILIPP, AT
[71] VUSIONGROUP GMBH, AT
[85] 2024-05-15
[86] 2021-12-18 (PCT/EP2021/086677)
[87] (WO2023/110139)

[21] **3,238,239**
[13] A1
[51] **Int.Cl. H01M 50/20 (2021.01) H01M 10/44 (2006.01)**
[25] EN
[54] **BATTERY TRAY AND METHOD FOR MANUFACTURING BATTERY USING SAME**
[54] **PLATEAU DE BATTERIE ET PROCEDE DE FABRICATION DE BATTERIE L'UTILISANT**
[72] KWON, HYUN CHEOL, KR
[72] PARK, JI WON, KR
[72] PARK, PIL KYU, KR
[72] DOH, SUNG KWAN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-15
[86] 2022-11-18 (PCT/KR2022/018299)
[87] (WO2023/090933)
[30] KR (10-2021-0160203) 2021-11-19

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[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) H01M 4/133 (2010.01) H01M 4/134 (2010.01) H01M 4/587 (2010.01) H01M 4/02 (2006.01) H01M 4/36 (2006.01) H01M 4/38 (2006.01)**
[25] EN
[54] **MULTIMODAL SILICON-CARBON COMPOSITE MATERIAL, AN ANODE COMPRISING THE SAME AND A METHOD TO MANUFACTURE OF THE SAID COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE SILICIUM-CARBONE MULTIMODAL, ANODE LE COMPRENANT ET PROCEDE DE FABRICATION DUDIT MATERIAU COMPOSITE**
[72] COSTANTINO, HENRY R., US
[72] SOMMER, HEINO, DE
[71] GROUP14 TECHNOLOGIES, INC., US
[71] CELLFORCE GROUP GMBH, DE
[85] 2024-05-13
[86] 2022-11-18 (PCT/US2022/080178)
[87] (WO2023/092096)
[30] US (63/281,522) 2021-11-19

[21] **3,238,242**
[13] A1
[51] **Int.Cl. B65G 23/06 (2006.01)**
[25] EN
[54] **SPLIT SPROCKET**
[54] **PIGNON FENDU**
[72] DEGROOT, MICHAEL HENDRIK, US
[72] HILKHUIJSEN, PETER, NL
[72] SPRENKELER, MARTIN, NL
[72] HULSHOF, GERKO, NL
[71] LAITRAM, L.L.C., US
[85] 2024-05-15
[86] 2022-11-29 (PCT/US2022/051151)
[87] (WO2023/101927)
[30] US (63/285,153) 2021-12-02

[21] **3,238,243**
[13] A1
[51] **Int.Cl. B29C 64/118 (2017.01) B29C 64/20 (2017.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR MANUFACTURING A THREE-DIMENSIONAL POROUS STRUCTURE**
[54] **PROCEDE ET SYSTEME DE FABRICATION D'UNE STRUCTURE POREUSE TRIDIMENSIONNELLE**
[72] LEFEVERE, JASPER, BE
[72] MICHIELSEN, BART, BE
[72] KRAEMER, MICHAEL, DE
[72] BORNINKHOF, FRED, DE
[71] BASF SE, DE
[71] VITO NV, BE
[85] 2024-05-15
[86] 2022-11-30 (PCT/EP2022/083886)
[87] (WO2023/099580)
[30] EP (21211435.9) 2021-11-30

[21] **3,238,244**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 30/02 (2023.01) G06Q 30/08 (2012.01) G06Q 10/047 (2023.01) G06Q 10/0631 (2023.01) G06Q 10/1053 (2023.01) G06Q 10/109 (2023.01) B64D 1/20 (2006.01) G09F 21/08 (2006.01) G09F 21/16 (2006.01)**
[25] EN
[54] **AERIAL MESSAGE JOB DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE REALISATION DE TACHES LIEES A DES MESSAGES AERIENS**
[72] GRAFFUNDER, JODY MARK, US
[71] SMOKEON, LLC, US
[85] 2024-05-15
[86] 2022-11-14 (PCT/US2022/049809)
[87] (WO2023/101806)
[30] US (63/284,119) 2021-11-30

[21] **3,238,245**
[13] A1
[51] **Int.Cl. H01M 50/533 (2021.01) H01M 50/107 (2021.01) H01M 50/167 (2021.01) H01M 50/538 (2021.01) H01M 50/586 (2021.01) H01M 50/593 (2021.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY, BATTERY, AND BATTERY PACK AND VEHICLE INCLUDING THE SAME**
[54] **ENSEMBLE ELECTRODE, BATTERIE, BLOC-BATTERIE ET VEHICULE LE COMPRENANT**
[72] LEE, JAE-EUN, KR
[72] PARK, JONG-SIK, KR
[72] LEE, JE-JUN, KR
[72] KIM, HAK-KYUN, KR
[72] KIM, SANG-YEOL, KR
[72] LIM, JAE-WON, KR
[72] CHOE, YU-SUNG, KR
[72] LEE, BYOUNG-GU, KR
[72] RYU, DUK-HYUN, KR
[72] LEE, KWAN-HEE, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-15
[86] 2022-07-19 (PCT/KR2022/010562)
[87] (WO2023/090574)
[30] KR (10-2021-0160823) 2021-11-19

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[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61P 37/02 (2006.01) C07D 491/22 (2006.01) C07K 5/103 (2006.01)**
[25] EN
[54] **EXATECAN DERIVATIVES, LINKER-PAYLOADS, AND CONJUGATES AND THEREOF**
[54] **DERIVES D'EXATECAN, LIEUR-CHARGE UTILE ET LEURS CONJUGUES**
[72] QIN, GANG, CN
[72] ZHANG, TONY YANTAO, CN
[72] CHEN, GUANGMING, CN
[72] SONG, PAUL H., CN
[72] ZHONG, BOYU, CN
[72] HU, MINGYU, CN
[71] GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD., CN
[85] 2024-05-15
[86] 2022-11-15 (PCT/CN2022/131904)
[87] (WO2023/088235)
[30] CN (PCT/CN2021/130896) 2021-11-16

[21] **3,238,248**
[13] A1
[51] **Int.Cl. H02S 20/32 (2014.01) F24S 30/425 (2018.01) F24S 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACKER-LEVEL PROTECTION**
[54] **SYSTEMES ET PROCEDES DE PROTECTION AU NIVEAU DU DISPOSITIF DE SUIVI**
[72] LI, CHEN, US
[72] LIU, YANG, US
[72] AU, ALEXANDER W., US
[71] NEXTRACKER LLC, US
[85] 2024-05-15
[86] 2022-11-30 (PCT/US2022/051407)
[87] (WO2023/102050)
[30] US (63/284,617) 2021-11-30

[21] **3,238,249**
[13] A1
[51] **Int.Cl. H04L 67/1008 (2022.01) H04L 43/08 (2022.01) H04L 43/50 (2022.01) H04L 67/1029 (2022.01) H04L 67/288 (2022.01) H04L 67/60 (2022.01)**
[25] EN
[54] **TRANSMITTING REQUEST AND RESPONSE INFORMATION THROUGH DIFFERENT PROXIES**
[54] **TRANSMISSION D'INFORMATIONS DE DEMANDE ET DE REPONSE PAR L'INTERMEDIAIRE DE DIFFERENTS MANDATAIRES**
[72] KOZLOVSKI, MIROSLAV, LT
[72] PILKAUSKAS, VALDAS, LT
[72] PETRUSKEVICIUS, ARNAS, LT
[71] OXYLABS, UAB, LT
[85] 2024-05-15
[86] 2023-02-07 (PCT/EP2023/052926)
[87] (WO2023/186381)
[30] US (17/707,682) 2022-03-29

[21] **3,238,250**
[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **A TROCAR FIXATION ASSEMBLY**
[54] **ENSEMBLE DE FIXATION DE TROCART**
[72] ROSENGREN, OSCAR, SE
[72] APELSTEDT, KRISTOFFER, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2024-05-15
[86] 2022-11-10 (PCT/EP2022/081461)
[87] (WO2023/094172)
[30] EP (21210491.3) 2021-11-25

[21] **3,238,251**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ANALYTE MONITORING**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE D'ANALYTE**
[72] OU, JUNLI, US
[72] MCCARTER, JAMES, US
[72] CHEN, TING, US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-05-15
[86] 2022-12-29 (PCT/US2022/054216)
[87] (WO2023/129634)
[30] US (63/295,654) 2021-12-31

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[13] A1
[51] **Int.Cl. C07D 233/58 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **BIFUNCTIONAL CHIMERIC MOLECULES FOR LABELING OF KINASES WITH TARGET BINDING MOIETIES AND METHODS OF USE THEREOF**
[54] **MOLECULES CHIMERIQUES BIFONCTIONNELLES POUR LE MARQUAGE DE KINASES AVEC DES FRACTIONS DE LIAISON CIBLES ET LEURS METHODES D'UTILISATION**
[72] CHOUDHARY, AMIT, US
[72] ANOKHINA, VIKA, US
[72] CHAUDHARY, SANTOSH, US
[72] SINGH, PRASHANT, US
[72] SINGH, SAMEEK, US
[72] SHOBA, VERONIKA, US
[72] DHAWA, UTTAM, US
[72] MODELL, ASHLEY, US
[72] TIWARI, PRAVEEN, US
[71] THE BROAD INSTITUTE, INC., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/080175)
[87] (WO2023/092094)
[30] US (63/281,538) 2021-11-19

[21] **3,238,253**
[13] A1
[51] **Int.Cl. C07C 1/24 (2006.01) C07C 2/32 (2006.01) C07C 11/02 (2006.01) C07C 11/04 (2006.01) C07C 11/10 (2006.01) C07C 29/151 (2006.01) C07C 31/08 (2006.01) C08F 110/00 (2006.01) C12P 3/00 (2006.01) C25B 3/00 (2021.01)**
[25] EN
[54] **PRODUCTION OF POLYETHYLENE AND ETHYLENE OLIGOMERS FROM ETHANOL AND THE USE OF BIOMASS AND WASTE STREAMS AS FEEDSTOCKS TO PRODUCE THE ETHANOL**
[54] **PRODUCTION DE POLYETHYLENE ET D'OLIGOMERES D'ETHYLENE A PARTIR D'ETHANOL ET UTILISATION DE BIOMASSE ET DE FLUX DE DECHETS EN TANT QUE CHARGES D'ALIMENTATION POUR PRODUIRE DE L'ETHANOL**
[72] HILLIER, JAMES, US
[72] WEBSTER-GARDINER, MICHAEL S., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-13
[86] 2022-12-01 (PCT/US2022/080757)
[87] (WO2023/114643)
[30] US (17/551,273) 2021-12-15

[21] **3,238,254**
[13] A1
[51] **Int.Cl. G06F 9/54 (2006.01)**
[25] EN
[54] **STORAGE CONTROL METHOD, STORAGE CONTROLLER, STORAGE CHIP, NETWORK CARD, AND READABLE MEDIUM**
[54] **PROCEDE DE COMMANDE DE STOCKAGE, CONTROLEUR DE STOCKAGE, PUCE DE STOCKAGE, CARTE RESEAU ET SUPPORT LISIBLE**
[72] DAI, SHUZHOU, CN
[72] YAN, LIN, CN
[72] LIU, QIANGJUN, CN
[72] WANG, JUN, CN
[72] LIAO, ZHIJIA, CN
[72] YU, FENG, CN
[71] ZTE CORPORATION, CN
[85] 2024-05-15
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[87] (WO2023/093805)
[30] CN (202111421847.3) 2021-11-26

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[51] **Int.Cl. H05K 7/20 (2006.01)**
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[54] **COOLING SYSTEM FOR ELECTRONIC COMPONENT RACKS**
[54] **SYSTEME DE REFROIDISSEMENT POUR BAIE DE COMPOSANTS ELECTRONIQUES**
[72] THOME, JOHN R., CH
[72] MARCINICHEN, JACKSON B., CH
[71] JJ COOLING INNOVATION SARL, CH
[85] 2024-05-15
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[30] EP (21208623.5) 2021-11-16

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[51] **Int.Cl. A61L 27/28 (2006.01) A61L 27/22 (2006.01) A61L 27/50 (2006.01)**
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[54] **ANTIMICROBIAL WRAPS FOR MEDICAL IMPLANTS**
[54] **ENVELOPPES ANTIMICROBIENNES POUR IMPLANTS MEDICAUX**
[72] ROSENBLATT, JOEL, US
[72] RAAD, ISSAM, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2024-05-15
[86] 2022-11-17 (PCT/US2022/080031)
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[30] US (63/280,945) 2021-11-18

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[51] **Int.Cl. A47J 37/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REMOVING OIL FROM FRIED FOODS**
[54] **APPAREIL ET PROCEDE D'ELIMINATION D'HUILE D'ALIMENTS FRITS**
[72] ZARATE ANDRADE, LEOPOLDO, MX
[72] CARIDIS, ANDREW ANTHONY, US
[71] HEAT AND CONTROL, INC., US
[85] 2024-05-15
[86] 2022-11-22 (PCT/IB2022/061288)
[87] (WO2023/089596)
[30] MX (MX/A/2021/014296) 2021-11-22

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01) A61K 47/64 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61P 37/06 (2006.01) C07K 7/08 (2006.01) C07K 14/025 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **STEROID ACID-PEPTIDE BASED CYTOTOXIC COMPOUNDS**
[54] **COMPOSES CYTOTOXIQUES A BASE D'ACIDE STEROIDE-PEPTIDE**
[72] BEAUDOIN, SIMON, CA
[71] DEFENCE THERAPEUTICS INC., CA
[85] 2024-05-15
[86] 2022-11-16 (PCT/CA2022/051692)
[87] (WO2023/087103)
[30] US (63/264,126) 2021-11-16

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **COMPOSITIONS OF PROTEIN COMPLEXES AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE COMPLEXES PROTEIQUES ET LEURS PROCEDES D'UTILISATION**
[72] MULLIGAN, JOHN THOMAS, US
[72] OKADA, SHANNON LEE, US
[72] KILLEBREW, JUSTIN RICHARD, US
[72] HOLLENBAUGH, DIANE LOUISE, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2024-05-15
[86] 2022-11-17 (PCT/US2022/080043)
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[51] **Int.Cl. G10K 11/178 (2006.01)**
[25] EN
[54] **ACOUSTIC SYSTEM FOR USE IN AN INTERIOR OF AN AIRCRAFT, AIRCRAFT SEAT, AIRCRAFT BED, AND AIRCRAFT**
[54] **SYSTEME ACOUSTIQUE POUR UTILISATION A L'INTERIEUR D'UN AERONEF, SIEGE D'AERONEF, LIT D'AERONEF ET AERONEF**
[72] NOSHARI, ARASH, DE
[72] THAHER, RAMI, DE
[71] AIRCRAFT CABIN MODIFICATION GMBH, DE
[85] 2024-05-15
[86] 2022-12-08 (PCT/EP2022/084980)
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[13] A1
[51] **Int.Cl. C21B 13/00 (2006.01) C21B 13/02 (2006.01) F27B 1/16 (2006.01) F27B 1/22 (2006.01) F27D 3/16 (2006.01)**
[25] EN
[54] **A SYSTEM FOR DIRECT REDUCTION OF IRON ORE TO SPONGE IRON**
[54] **SYSTEME POUR LA REDUCTION DIRECTE DE MINERAI DE FER EN FER SPONGIEUX**
[72] RUONA, TOMMY, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2024-05-15
[86] 2022-10-26 (PCT/SE2022/050976)
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[30] SE (2151459-1) 2021-11-30

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[51] **Int.Cl. A47J 31/54 (2006.01) B67D 1/00 (2006.01) E03C 1/04 (2006.01) F24D 17/00 (2022.01) F24H 1/10 (2022.01)**
[25] EN
[54] **WATER SUPPLY DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN EAU**
[72] PETERI, NIELS THEODOOR, NL
[72] OOSTING, JAN, NL
[72] DE RIJKE, LAURENS GILLIS JACOBUS, NL
[71] QUOOKER INTERNATIONAL B.V., NL
[85] 2024-05-15
[86] 2022-12-02 (PCT/NL2022/050698)
[87] (WO2023/101557)
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[51] **Int.Cl. C05G 5/20 (2020.01) C05G 5/23 (2020.01) C05G 5/27 (2020.01) C05G 3/00 (2020.01)**
[25] EN
[54] **LIQUID FERTILIZER COMPRISING NITROGEN, MAGNESIUM, AND CHLORIDE, AND METHODS FOR MAKING AND USING THE SAME**
[54] **ENGRAIS LIQUIDE COMPRENANT DE L'AZOTE, DU MAGNESIUM ET DU CHLORURE, ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELUI-CI**
[72] DENNIS, MARCUS J., US
[71] GMCO GROWTH TECHNOLOGIES, LLC, US
[71] DENNIS, MARCUS J., US
[85] 2024-05-13
[86] 2022-12-05 (PCT/US2022/080951)
[87] (WO2023/102572)
[30] US (63/286,076) 2021-12-05

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[13] A1
[51] **Int.Cl. B65G 45/20 (2006.01) F16D 1/112 (2006.01) F16D 1/08 (2006.01)**
[25] EN
[54] **SHAFT-MOUNTED CONVEYOR ASSEMBLY**
[54] **ENSEMBLE TRANSPORTEUR MONTE SUR ARBRE**
[72] DWORNICK, MARTIN A., US
[72] MOHAN, JAKE A., US
[71] LAITRAM, L.L.C., US
[85] 2024-05-15
[86] 2022-12-01 (PCT/US2022/051483)
[87] (WO2023/102094)
[30] US (63/285,517) 2021-12-03

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[13] A1
[51] **Int.Cl. H04W 28/02 (2009.01)**
[25] EN
[54] **INFORMATION PROCESSING METHOD AND APPARATUS, AND DEVICE AND READABLE STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT D'INFORMATIONS, ET DISPOSITIF ET SUPPORT DE STOCKAGE LISIBLE**
[72] CHAI, LI, CN
[72] HU, NAN, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-05-15
[86] 2022-11-15 (PCT/CN2022/131851)
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[51] **Int.Cl. C07D 471/10 (2006.01)**
[25] EN
[54] **?-LACTAMASE INHIBITOR INTERMEDIATE AND PREPARATION METHOD THEREFOR**
[54] **INTERMEDIAIRE D'INHIBITEUR DE ?-LACTAMASE ET SON PROCEDE DE PREPARATION**
[72] WANG, XUFAN, CN
[72] ZHANG, HUIXIN, CN
[72] WANG, YANFEI, CN
[72] WANG, WENGUI, CN
[72] HU, YUANYUAN, CN
[72] DU, GUOWEN, CN
[72] HU, HANWEI, CN
[71] EVOPOINT BIOSCIENCES CO., LTD., CN
[85] 2024-05-15
[86] 2022-11-17 (PCT/CN2022/132591)
[87] (WO2023/088375)
[30] CN (202111364821.X) 2021-11-17
[30] CN (202111364826.2) 2021-11-17

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[13] A1
[51] **Int.Cl. F25B 9/14 (2006.01) F25B 30/04 (2006.01)**
[25] EN
[54] **CRYOGENIC ADSORPTION REFRIGERATOR**
[54] **REFRIGERATEUR A ADSORPTION CRYOGENIQUE**
[72] CHASE, SIMON, GB
[71] CHASE RESEARCH CRYOGENICS LIMITED, GB
[85] 2024-05-15
[86] 2022-12-01 (PCT/GB2022/053037)
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[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 31/18 (2006.01) C07D 401/14 (2006.01) C07F 9/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOUNDS FOR HIV VIRUS INFECTION**
[54] **COMPOSES THERAPEUTIQUES POUR L'INFECTION PAR LE VIRUS DU VIH**
[72] BRIZGYS, GEDIMINAS J., US
[72] CHOU, CHIENHUNG, US
[72] CHU, HANG, US
[72] FARAND, JULIE, US
[72] GRAUPE, MICHAEL, US
[72] GUNEY, TEZCAN, US
[72] KATO, DARRYL, US
[72] LI, JIAYAO, US
[72] LINK, JOHN O., US
[72] MACK, JAMES B.C., US
[72] MUN, DONG MIN, US
[72] SCHROEDER, SCOTT D., US
[72] WATKINS, WILLIAM J., US
[72] WU, QIAOYIN, US
[72] ZHANG, JENNIFER R., US
[71] GILEAD SCIENCE, INC., US
[85] 2024-05-15
[86] 2022-12-02 (PCT/US2022/080813)
[87] (WO2023/102523)
[30] US (63/285,745) 2021-12-03

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[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01)**
[25] EN
[54] **ANATOMY DRIVEN COMPUTER-AIDED DESIGN AND MANUFACTURE OF DENTAL RESTORATIONS FOR TREATMENT OF DENTAL PATHOLOGIES**
[54] **CONCEPTION ET FABRICATION DE RESTAURATIONS DENTAIRES ASSISTEES PAR ORDINATEUR ET BASEES SUR L'ANATOMIE POUR LE TRAITEMENT DE PATHOLOGIES DENTAIRES**
[72] KUNERT, ANDREAS, DE
[72] HARSCH, SERGEJ, DE
[72] CRESSON, SYLVAIN, FR
[72] BUY, STEPHANE, FR
[72] KASPER, FLEUR, DE
[72] LAWITSCHKA, UWE, DE
[72] SHARPE, MARLON, DE
[72] GUINDON, MATHIEU, CA
[71] INSTITUT STRAUMANN AG, CH
[85] 2024-05-15
[86] 2021-11-29 (PCT/IB2021/061083)
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[51] **Int.Cl. F02B 31/04 (2006.01) F02M 26/10 (2016.01) F02M 26/19 (2016.01) F02C 1/10 (2006.01) F03G 7/04 (2006.01) F04F 5/16 (2006.01) F23D 1/02 (2006.01)**
[25] EN
[54] **VENTURI DEVICE WITH FORCED INDUCTION SYSTEMS AND METHODS**
[54] **DISPOSITIF VENTURI AVEC SYSTEMES A INDUCTION FORCEE ET PROCEDES**
[72] KERTON, JAMES MATTHEW, US
[71] ZERO NOX, INC., US
[85] 2024-05-15
[86] 2022-11-22 (PCT/US2022/050797)
[87] (WO2023/096938)
[30] US (63/282,556) 2021-11-23
[30] US (63/265,478) 2021-12-15
[30] US (63/265,483) 2021-12-15
[30] US (63/265,484) 2021-12-15
[30] US (63/265,486) 2021-12-15
[30] US (63/265,489) 2021-12-15
[30] US (63/268,053) 2022-02-15
[30] US (PCT/US2022/026399) 2022-04-26
[30] US (63/381,905) 2022-11-01
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[51] **Int.Cl. A61K 47/69 (2017.01) A61K 47/62 (2017.01) A61P 25/28 (2006.01)**
[25] EN
[54] **POLYMERSOMES FOR CLEARANCE OF AMYLOID BETA AND/OR TAU PROTEINS**
[54] **POLYMERSOMES POUR L'ELIMINATION DE PROTEINES AMYLOIDES BETA ET/OU TAU**
[72] BATTAGLIA, GIUSEPPE, GB
[72] LEITE, DIANA, GB
[72] TIAN, XIAOHE, CN
[71] UCL BUSINESS LTD, GB
[71] WEST CHINA HOSPITAL, SICHUAN UNIVERSITY, CN
[85] 2024-05-15
[86] 2022-11-23 (PCT/GB2022/052970)
[87] (WO2023/094810)
[30] CN (PCT/CN2021/132741) 2021-11-24

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[51] **Int.Cl. A61K 31/473 (2006.01) A61K 31/704 (2006.01) A61K 38/05 (2006.01) A61K 38/07 (2006.01) A61K 39/395 (2006.01) A61P 9/00 (2006.01) A61P 35/00 (2006.01) A61P 39/00 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **METHOD OF CARDIOPROTECTION**
[54] **METHODE DE CARDIOPROTECTION**
[72] TILLETT, DANIEL, AU
[72] NGO, DOAN THI MINH, AU
[72] SVERDLOV, AARON LEONID, AU
[71] RACE ONCOLOGY LTD, AU
[85] 2024-05-15
[86] 2022-11-18 (PCT/AU2022/051380)
[87] (WO2023/087065)
[30] AU (2021903734) 2021-11-19
[30] AU (2022901827) 2022-06-30

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 15/02 (2021.01)**
[25] EN
[54] **A HYDROGEN PRODUCTION PLANT COMPRISING TWO TYPES OF ELECTROLYSIS SYSTEMS**
[54] **INSTALLATION DE PRODUCTION D'HYDROGENE COMPRENANT DEUX TYPES DE SYSTEMES D'ELECTROLYSE**
[72] BISKOPING, MATTHIAS, DE
[72] GUTERMUTH, GEORG, DE
[72] LENDERS, FELIX, DE
[72] PRIMAS, BERNHARD, DE
[72] KOENIG, KAI, DE
[71] ABB SCHWEIZ AG, CH
[85] 2024-05-15
[86] 2022-11-08 (PCT/EP2022/081059)
[87] (WO2023/088723)
[30] EP (21209367.8) 2021-11-19

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[13] A1
[51] **Int.Cl. B64B 1/06 (2006.01) B64F 5/10 (2017.01) B64B 1/08 (2006.01) B64C 39/02 (2023.01)**
[25] EN
[54] **IMPROVED SYSTEM, METHOD AND APPARATUS FOR AIRSHIP MANUFACTURE USING ROBOTICS**
[54] **SYSTEME, PROCEDE ET APPAREIL AMELIORES PERMETTANT LA FABRICATION DE DIRIGEABLE A L'AIDE DE LA ROBOTIQUE**
[72] BRUTOCO, RINALDO S., US
[72] SHELTON, ROBERT H., US
[72] EVERMAN, MICHAEL R., US
[71] H2 CLIPPER, INC., US
[85] 2024-05-15
[86] 2022-11-17 (PCT/US2022/080018)
[87] (WO2023/091991)
[30] US (63/280,368) 2021-11-17

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[13] A1
[51] **Int.Cl. A61J 3/07 (2006.01) A61J 3/00 (2006.01) A61K 9/48 (2006.01) A61K 31/78 (2006.01) A61K 47/32 (2006.01) A61K 47/42 (2017.01) A61K 47/58 (2017.01)**
[25] EN
[54] **ORAL DOSAGE FORMS**
[54] **FORMES GALENIQUES ORALES**
[72] CARON, DAVID, US
[72] LANDAU, ISAAC, US
[71] AMRYT ENDO, INC., US
[85] 2024-05-15
[86] 2023-01-13 (PCT/US2023/060631)
[87] (WO2023/137428)
[30] US (63/299,128) 2022-01-13

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[13] A1
[51] **Int.Cl. G07F 9/00 (2006.01) G06Q 20/20 (2012.01) G06Q 30/06 (2023.01) G07F 11/00 (2006.01) G07F 17/00 (2006.01)**
[25] EN
[54] **SELF-SERVE KIOSK**
[54] **KIOSQUE LIBRE-SERVICE**
[72] ROSBURG, KLAUS, US
[72] DE SOUZA MESSIAS, GUSTAVO, IT
[72] AKAY, ALI, IT
[71] PEPSICO., INC., US
[85] 2024-05-15
[86] 2022-11-21 (PCT/US2022/050602)
[87] (WO2023/096866)
[30] US (17/456,494) 2021-11-24

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[13] A1
[51] **Int.Cl. G06F 16/25 (2019.01) G06F 16/21 (2019.01) G06F 16/2452 (2019.01)**
[25] EN
[54] **PRIVACY PRESERVING FEDERATED QUERY ENGINE**
[54] **MOTEUR DE REQUETE FEDERE PRESERVANT LA CONFIDENTIALITE**
[72] NGO, CHI LANG, GB
[72] MAKOWSKI, MACIEJ, PL
[72] GABRYANCZYK, PIOTR, GB
[72] GILMORE, DAVID, US
[72] HALES, ISAAC, US
[71] LIVERAMP, INC., US
[85] 2024-05-15
[86] 2022-11-15 (PCT/US2022/049973)
[87] (WO2023/091418)
[30] US (63/279,867) 2021-11-16

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[51] **Int.Cl. G01N 33/24 (2006.01)**
[25] EN
[54] **POLYACRYLAMIDE-CONTAINING INDIRECT NEGATIVE CAVITY WATER PRESSURE MEASUREMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MESURE INDIRECTE DE LA PRESSION D'EAU NEGATIVE DANS DES CAVITES CONTENANT DU POLYACRYLAMIDE**
[72] ACIKEL, ASLI SENEM, US
[72] PEKCAN, MEHMET ONDER, TR
[72] UYSAL, BENGU OZUGUR, TR
[71] KADIR HAS UNIVERSITESI, TR
[85] 2024-05-15
[86] 2023-03-24 (PCT/TR2023/050281)
[87] (WO2024/058745)
[30] TR (2022/014178) 2022-09-13

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[13] A1
[51] **Int.Cl. C10G 49/12 (2006.01) B01J 8/22 (2006.01)**
[25] FR
[54] **GAS-LIQUID SEPARATION DEVICE WITH A ZONE FOR GUIDING THE LIQUID AT THE OUTLET END, IN PARTICULAR FOR A THREE-PHASE FLUIDISED BED REACTOR**
[54] **DISPOSITIF DE SEPARATION GAZ-LIQUIDE AVEC UNE ZONE D'ACCOMPAGNEMENT DU LIQUIDE EN SORTIE, NOTAMMENT POUR REACTEUR EN LIT FLUIDISE TRIPHASIQUE**
[72] AMBLARD, BENJAMIN, FR
[72] MARQUES, JOAO, FR
[72] VINCENT-GENOD, VANESSA, FR
[72] AIT-MHAND, DRISS, FR
[72] LE COZ, JEAN-FRANCOIS, FR
[72] BALZ, PIERRE, FR
[72] BRAHEM, RIM, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2024-05-15
[86] 2022-12-09 (PCT/EP2022/085197)
[87] (WO2023/117497)
[30] FR (FR2113963) 2021-12-20

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[13] A1
[51] **Int.Cl. C21D 1/40 (2006.01) C21D 1/42 (2006.01) C21D 6/00 (2006.01) C21D 9/08 (2006.01) C21D 9/50 (2006.01) C22C 38/22 (2006.01)**
[25] EN
[54] **INTEGRATED WELDING AND THERMAL PROCESSING JOINING METHOD FOR CREEP STRENGTH ENHANCED FERRITIC STEELS**
[54] **PROCEDE D'ASSEMBLAGE A SOUDAGE ET TRAITEMENT THERMIQUE INTEGRES POUR ACIERS FERRITIQUES PRESENTANT UNE RESISTANCE AU FLUAGE RENFORCEE**
[72] CODD, DANIEL S., US
[72] MCCRINK, JOSEPH J., US
[71] KVA TECHNOLOGIES, US
[85] 2024-05-15
[86] 2022-11-15 (PCT/US2022/049960)
[87] (WO2023/086673)
[30] US (63/279,326) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **FUSION PROTEIN CONSTRUCT TAKING INTERLEUKIN 15 AS ACTIVE INGREDIENT AND USE THEREOF**
[54] **CONSTRUCTION DE PROTEINE DE FUSION PRENANT EN TANT QUE PRINCIPE ACTIF L'INTERLEUKINE 15 ET UTILISATION ASSOCIEE**
[72] FU, YANGXIN, CN
[72] PENG, HUA, CN
[72] SHEN, JIAO, CN
[71] INSTITUTE OF BIOPHYSICS, CHINESE ACADEMY OF SCIENCES, CN
[85] 2024-05-15
[86] 2022-11-15 (PCT/CN2022/132019)
[87] (WO2023/083379)
[30] CN (202111346279.5) 2021-11-15
[30] CN (202211013404.5) 2022-08-23

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[13] A1
[51] **Int.Cl. C08L 1/12 (2006.01) C08K 3/013 (2018.01) C08K 3/016 (2018.01) C08J 5/06 (2006.01) C08K 5/52 (2006.01) C08K 7/02 (2006.01) C08L 1/10 (2006.01) B32B 23/20 (2006.01)**
[25] EN
[54] **BIODEGRADABLE COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE BIODEGRADABLE**
[72] PANDA, JITENDRA, CA
[72] TAJBAKHSH, SAEID, CA
[72] DIAZ, CARLOS, CA
[71] CTK RESEARCH AND DEVELOPMENT CANADA LTD., CA
[85] 2024-05-15
[86] 2022-09-13 (PCT/CA2022/051363)
[87] (WO2023/087095)
[30] US (63/281,349) 2021-11-19

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[13] A1
[51] **Int.Cl. A61K 8/42 (2006.01)**
[25] EN
[54] **LIQUID COMPOSITION OF CERAMIDES AND PALMITIC ACID AMIDES**
[54] **COMPOSITION LIQUIDE DE CERAMIDES ET D'AMIDES D'ACIDE PALMITIQUE**
[72] BARATTO, GIOVANNI, IT
[71] UNIFARCO S.P.A., IT
[85] 2024-05-15
[86] 2022-11-18 (PCT/IB2022/061150)
[87] (WO2023/089557)
[30] IT (102021000029171) 2021-11-18

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[51] **Int.Cl. A61F 5/01 (2006.01) A61F 5/02 (2006.01)**
[25] EN
[54] **ORTHOPEDIC BRACE HAVING AN ADJUSTABLE SPINAL SUPPORT EXTENSION AND SUPPORT HARNESS**
[54] **APPAREIL ORTHOPEDIQUE AYANT UNE EXTENSION DE SUPPORT VERTEBRAL AJUSTABLE ET HARNAIS DE SUPPORT**
[72] PEREZ, JOEL, US
[72] WONG, GEOFFREY, US
[72] ROMO, DUANE, US
[71] ASPEN MEDICAL PRODUCTS, LLC, US
[85] 2024-05-15
[86] 2022-11-14 (PCT/US2022/049814)
[87] (WO2023/086628)
[30] US (63/279,650) 2021-11-15
[30] US (17/984,101) 2022-11-09

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[51] **Int.Cl. H01R 13/533 (2006.01) E21B 33/03 (2006.01) H01R 43/20 (2006.01)**
[25] EN
[54] **METHOD OF TERMINATING AN ELECTRICAL CONDUCTOR**
[54] **PROCEDE DE TERMINAISON D'UN CONDUCTEUR ELECTRIQUE**
[72] AMES, NIGEL, GB
[72] BENSON, PAUL, GB
[72] JOHNSTON, ROBERT STUART, GB
[71] RMSPUMPTOOLS LIMITED, GB
[85] 2024-05-15
[86] 2022-11-24 (PCT/GB2022/052974)
[87] (WO2023/099870)
[30] GB (2117373.7) 2021-12-01

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[13] A1
[51] **Int.Cl. C08K 3/016 (2018.01) C08K 3/22 (2006.01) C08K 5/00 (2006.01) C08K 5/3492 (2006.01) C08K 5/52 (2006.01) C08L 23/06 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **MOISTURE RESISTANT POLYMER FORMULATIONS CONTAINING PHOSPHORUS-BASED FLAME RETARDANTS**
[54] **FORMULATIONS POLYMERES RESISTANTES A L'HUMIDITE CONTENANT DES RETARDATEURS DE FLAMME A BASE DE PHOSPHORE**
[72] ISAROV, ALEKSEY, US
[72] TEMPLES, DAVID DWAYNE, US
[72] LIU, YUE, US
[72] HOHL, PETER CHARLES, US
[71] J.M. HUBER CORPORATION, US
[85] 2024-05-15
[86] 2022-12-23 (PCT/US2022/082359)
[87] (WO2023/129894)
[30] US (63/294,438) 2021-12-29

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[51] **Int.Cl. C07C 229/16 (2006.01) C07C 237/12 (2006.01) C07C 275/16 (2006.01) C07C 333/04 (2006.01)**
[25] EN
[54] **NOVEL IONIZABLE LIPIDS AND LIPID NANOPARTICLES AND METHODS OF USING THE SAME**
[54] **NOUVEAUX LIPIDES IONISABLES ET NANOPARTICULES LIPIDIQUES ET LEURS PROCEDES D'UTILISATION**
[72] BARTOLOZZI, ALESSANDRA, US
[72] PROUDFOOT, JOHN, US
[72] ERDMANN, ROMAN, US
[72] PATEL, SIDDHARTH, US
[72] HOWE, ALAINA, US
[72] SALERNO, DOMINICK, US
[72] ADHIKARI, SANMIT, US
[72] BOGORAD, ROMAN, US
[72] ADHIKARI, ARIJIT, US
[71] SAIL BIOMEDICINES, INC., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/050111)
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[30] US (63/264,149) 2021-11-16

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[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01) E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **SET CONSISTING OF TWO PANELS FOR CLADDING A SURFACE AND OF A PANEL CONNECTION ELEMENT, PANEL CONNECTION ELEMENT, AND USE OF A PANEL CONNECTION ELEMENT**
[54] **ENSEMBLE CONSTITUE DE DEUX PANNEAUX POUR LE REVETEMENT D'UNE SURFACE ET D'UN ELEMENT DE LIAISON DE PANNEAU, ELEMENT DE LIAISON DE PANNEAU ET UTILISATION D'UN ELEMENT DE LIAISON DE PANNEA**
[72] HANNIG, HANS-JURGEN, DE
[72] SIEDER, ANDREAS, DE
[71] SURFACE TECHNOLOGIES GMBH & CO. KG, DE
[85] 2024-05-15
[86] 2022-12-28 (PCT/EP2022/087977)
[87] (WO2023/126456)
[30] DE (20 2021 003 901.5) 2021-12-30

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **SEQUENCES AND METHODS FOR PRODUCTION OF RECOMBINANT BIOLOGICAL MOLECULES IN VESICLES**
[54] **SEQUENCES ET PROCEDES DE PRODUCTION DE MOLECULES BIOLOGIQUES RECOMBINANTES DANS DES VESICULES**
[72] MULVIHILL, DANIEL, GB
[72] BAKER, KAREN, GB
[72] EASTWOOD, TARA, GB
[72] LENNON, CHRISTOPHER, GB
[71] UNIVERSITY OF KENT, GB
[71] FUJIFILM DIOSYNTH BIOTECHNOLOGIES UK LIMITED, GB
[85] 2024-05-15
[86] 2022-12-15 (PCT/GB2022/053239)
[87] (WO2023/111569)
[30] GB (2118435.3) 2021-12-17

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[13] A1
[51] **Int.Cl. H04L 1/16 (2023.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND APPARATUS, AND COMMUNICATION DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES, ET DISPOSITIF DE COMMUNICATION ET SUPPORT DE STOCKAGE**
[72] CHAI, LI, CN
[72] XU, XIAODONG, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD. RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2024-05-15
[86] 2022-11-15 (PCT/CN2022/132011)
[87] (WO2023/083378)
[30] CN (202111350583.7) 2021-11-15

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[13] A1
[51] **Int.Cl. A01N 65/22 (2009.01) A01P 7/04 (2006.01)**
[25] EN
[54] **OIL-BASED INSECTICIDAL AND INSECT REPELLENT COMPOSITIONS**
[54] **COMPOSITIONS INSECTICIDES ET INSECTIFUGES A BASE D'HUILE**
[72] HUCKABEE, ALEXIS, US
[71] S.C. JOHNSON & SON, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050376)
[87] (WO2023/091649)
[30] US (63/280,982) 2021-11-18
[30] US (63/280,986) 2021-11-18
[30] US (17/989,529) 2022-11-17

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[51] **Int.Cl. A01N 65/06 (2009.01) A01N 65/08 (2009.01) A01N 65/22 (2009.01) A01N 65/24 (2009.01) A01P 7/04 (2006.01)**
[25] EN
[54] **OIL-BASED INSECTICIDAL AND INSECT REPELLENT COMPOSITIONS**
[54] **COMPOSITIONS INSECTICIDES ET INSECTIFUGES A BASE D'HUILE**
[72] HUCKABEE, ALEXIS, US
[71] S.C. JOHNSON & SON, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050377)
[87] (WO2023/091650)
[30] US (63/280,994) 2021-11-18
[30] US (63/280,997) 2021-11-18
[30] US (17/989,516) 2022-11-17

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[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 8/64 (2006.01) C07K 14/46 (2006.01)**
[25] EN
[54] **PEPTIDES AND COMPOSITIONS FOR USE IN COSMETICS**
[54] **PEPTIDES ET COMPOSITIONS DESTINES A ETRE UTILISES EN COSMETIQUE**
[72] GRAU-CAMPISTANY, ARIADNA, ES
[72] PASTOR, SILVIA, ES
[72] CARULLA, PATRICIA, ES
[72] ESCUDERO, JUAN CARLOS, ES
[72] KLEIN, MARCO JAN, ES
[72] TRIM, STEVEN ANTHONY, ES
[71] LIPOTRUE, S.L., ES
[85] 2024-05-15
[86] 2023-02-15 (PCT/EP2023/053685)
[87] (WO2023/156413)
[30] EP (22382122.4) 2022-02-16

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[13] A1
[51] **Int.Cl. A01N 65/22 (2009.01) A01P 7/04 (2006.01)**
[25] EN
[54] **WATER-BASED INSECTICIDAL AND INSECT REPELLENT COMPOSITIONS**
[54] **COMPOSITIONS INSECTICIDES ET INSECTIFUGES A BASE D'EAU**
[72] HUCKABEE, ALEXIS, US
[71] S.C. JOHNSON & SON, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050379)
[87] (WO2023/091651)
[30] US (63/280,982) 2021-11-18
[30] US (63/280,986) 2021-11-18
[30] US (17/989,560) 2022-11-17

[21] **3,238,302**
[13] A1
[51] **Int.Cl. B65D 5/66 (2006.01)**
[25] EN
[54] **CONTAINERS, BLANKS FOR CONTAINERS AND METHODS FOR FORMING CONTAINERS AND PACKAGING PRODUCT**
[54] **RECIPIENTS, EBAUCHES POUR RECIPIENTS ET PROCEDES DE FORMATION DE RECIPIENTS ET PRODUIT D'EMBALLAGE**
[72] VALENCIA, JOHN, US
[72] SCHERER, ALYSSA J., US
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050399)
[87] (WO2023/091667)
[30] US (63/281,223) 2021-11-19

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[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01)**
[25] EN
[54] **SECURE MULTI-PARTY COMPUTATIONS**
[54] **CALCULS SECURISES MULTI-PARTIES**
[72] DE VEGA RODRIGO, MIGUEL, ES
[71] SEDICII INNOVATIONS LTD., IE
[85] 2024-05-15
[86] 2022-11-23 (PCT/EP2022/082986)
[87] (WO2023/094453)
[30] EP (21210077.0) 2021-11-23

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[13] A1
[51] **Int.Cl. A01N 65/06 (2009.01) A01N 65/08 (2009.01) A01N 65/22 (2009.01) A01N 65/24 (2009.01) A01P 7/04 (2006.01)**
[25] EN
[54] **WATER-BASED INSECTICIDAL AND INSECT REPELLENT COMPOSITIONS**
[54] **COMPOSITIONS INSECTICIDES ET INSECTIFUGES A BASE D'EAU**
[72] HUCKABEE, ALEXIS, US
[71] S.C. JOHNSON & SON, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050382)
[87] (WO2023/091654)
[30] US (63/280,994) 2021-11-18
[30] US (63/280,997) 2021-11-18
[30] US (17/989,565) 2022-11-17

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[13] A1
[51] **Int.Cl. A61P 11/00 (2006.01) A61P 31/14 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF PROGRESSIVE CHRONIC INTERSTITIAL LUNG DISEASE**
[54] **PROCEDE DE TRAITEMENT D'UNE PNEUMOPATHIE INTERSTITIELLE CHRONIQUE PROGRESSIVE**
[72] JOHNSON, TIMOTHY SCOTT, GB
[72] JAMES, IAN TROLLOPE, GB
[72] SIME, PATRICIA J., US
[72] THATCHER, THOMAS HENRY, US
[71] UCB BIOPHARMA SRL, BE
[85] 2024-05-15
[86] 2022-11-17 (PCT/EP2022/082299)
[87] (WO2023/089042)
[30] US (63/264,276) 2021-11-18

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[13] A1
[51] **Int.Cl. H02B 13/025 (2006.01)**
[25] EN
[54] **SOLUTION PREVENTING PERMANENT DEFORMATION IN AN ARC FAULT EVENT OR SHORT CIRCUIT EVENT**
[54] **SOLUTION EMPECHANT UNE DEFORMATION PERMANENTE DANS UN EVENEMENT DE DEFAUT D'ARC OU UN EVENEMENT DE COURT-CIRCUIT**
[72] IONESCU, BOGDAN CRISTIAN, US
[71] INNOMOTICS GMBH, DE
[85] 2024-05-15
[86] 2021-11-30 (PCT/US2021/061055)
[87] (WO2023/101652)

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[13] A1
[51] **Int.Cl. A61K 8/365 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **SKIN CARE COMPOSITION**
[54] **COMPOSITION DE SOIN DE LA PEAU**
[72] GU, XUELAN, NL
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2024-05-15
[86] 2022-11-07 (PCT/EP2022/080893)
[87] (WO2023/088698)
[30] CN (PCT/CN2021/130878) 2021-11-16
[30] EP (22151254.4) 2022-01-13

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[13] A1
[51] **Int.Cl. C01G 53/00 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) H01M 4/36 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE ACTIVE MATERIAL AND METHOD FOR PRODUCING THE SAME**
[54] **MATERIAU ACTIF DE CATHODE ET PROCEDE DE PREPARATION ASSOCIE**
[72] MOK, DUCK GYUN, KR
[72] LEE, HYUCK, KR
[72] SON, MIN HEE, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-15
[86] 2022-12-02 (PCT/KR2022/019507)
[87] (WO2023/101512)
[30] KR (10-2021-0171783) 2021-12-03

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/172 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01) A61M 5/48 (2006.01)**
[25] EN
[54] **PATCH-PUMP**
[54] **AUTO-INJECTEUR ET PROCEDES D'UTILISATION ASSOCIES**
[72] PHILLIPS, WAYNE, US
[72] KENYON, ROSS, US
[72] NORUP, JAN, DK
[72] GRYGUS, BRYAN C., US
[72] HALBIG, DANIEL, US
[72] MOORE, JEFF, US
[72] LANGLEY, TREVOR, US
[72] MARINO, ALFRED, US
[72] NYGAARD, STEN, DK
[72] ODEGARD, JEREMY, US
[72] MCNAMARA, JEREMY, US
[72] FARRAGE, DAVID, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/079921)
[87] (WO2023/091922)
[30] US (63/264,121) 2021-11-16

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[13] A1
[51] **Int.Cl. A61K 8/60 (2006.01) A61K 8/9789 (2017.01)**
[25] EN
[54] **COMPOSITION, IN PARTICULAR COSMETIC FORMULATION, COMPRISING A VERBASCOSIDE EXTRACT**
[54] **COMPOSITION, EN PARTICULIER FORMULATION COSMETIQUE, COMPRENANT UN EXTRAIT DE VERBASCOSIDE**
[72] MAYER, WOLFGANG, CH
[72] KORKINA, LIUDMILA, IT
[71] MEDENA AG, CH
[85] 2024-05-15
[86] 2021-11-26 (PCT/EP2021/083201)
[87] (WO2023/093998)

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[13] A1
[51] **Int.Cl. B63H 9/10 (2006.01) B63H 9/072 (2020.01)**
[25] FR
[54] **TETHERED-WING TRACTION SYSTEM PROVIDED WITH A STAND HAVING INTERNAL STORAGE SPACE**
[54] **SYSTEME DE TRACTION A AILE CAPTIVE MUNI D'UN SOCLE A ESPACE INTERNE DE STOCKAGE**
[72] LAMAT, ERIC, FR
[72] HAUDEBAULT, JEAN - LUC, FR
[72] WIEL, GEORGES, FR
[72] RETHO, REMI, FR
[71] AIRSEAS, FR
[85] 2024-05-15
[86] 2022-11-15 (PCT/EP2022/082025)
[87] (WO2023/094224)
[30] FR (FR2112464) 2021-11-24

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[13] A1
[51] **Int.Cl. E05B 15/04 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL LOCKING DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE ELECTROMECANIQUE**
[72] DI SARIO, FRANCO, CH
[72] ZAHNER, MARKUS, CH
[71] DORMAKABA SCHWEIZ AG, CH
[85] 2024-05-15
[86] 2022-12-01 (PCT/EP2022/084123)
[87] (WO2023/099691)
[30] EP (21212263.4) 2021-12-03

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 9/23 (2021.01) C25B 9/70 (2021.01) C25B 11/052 (2021.01) C25B 11/056 (2021.01) C25B 11/071 (2021.01) C25B 11/075 (2021.01) C25B 11/081 (2021.01)**
[25] EN
[54] **STRUCTURAL DESIGN OF AN ELECTROCHEMICAL CELL**
[54] **CONCEPTION STRUCTURALE D'UNE CELLULE ELECTROCHIMIQUE**
[72] MALJUSCH, ARTJOM, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2024-05-15
[86] 2022-11-09 (PCT/EP2022/081185)
[87] (WO2023/088734)
[30] EP (21208566.6) 2021-11-16

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[13] A1
[51] **Int.Cl. B65D 5/42 (2006.01) B65D 5/54 (2006.01) B65D 65/40 (2006.01) G06K 19/077 (2006.01)**
[25] FR
[54] **REUSABLE AND/OR RECYCLABLE SMART PACKAGING**
[54] **EMBALLAGE CONNECTE REUTILISABLE ET/OU RECYCLABLE**
[72] CHALBOS, NICOLAS, FR
[72] JELOYAN, CHRISTOPHE, FR
[71] UNABIZ, FR
[85] 2024-05-15
[86] 2022-11-15 (PCT/EP2022/081937)
[87] (WO2023/084105)
[30] FR (2112078) 2021-11-15

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[13] A1
[51] **Int.Cl. B60R 16/02 (2006.01) G01S 19/14 (2010.01) H04W 4/029 (2018.01) H04W 4/40 (2018.01) B60R 16/03 (2006.01) H01R 13/10 (2006.01) H01R 13/648 (2006.01) H01R 13/66 (2006.01)**
[25] EN
[54] **TRAILER WIRING HARNESS WITH INTEGRATED CELLULAR TRACKING DEVICE**
[54] **FAISCEAU DE CABLAGE DE REMORQUE AVEC DISPOSITIF DE SUIVI CELLULAIRE INTEGRE**
[72] FORTHOFFER, DANIEL WILLIAM, US
[72] PETERSON, THOMAS DALE, US
[71] R.A. PHILLIPS INDUSTRIES, INC., US
[85] 2024-05-15
[86] 2022-12-29 (PCT/US2022/054290)
[87] (WO2023/129679)
[30] US (63/295,241) 2021-12-30

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[13] A1
[25] EN
[54] **A SUPERCONDUCTING CABLE SYSTEM**
[54] **SYSTEME DE CABLE SUPRACONDUCTEUR**
[72] DOYLE, STEPHEN, IE
[72] VOLSCHENK, DEON, IE
[72] ACIN, MARCOS, IE
[72] HODGE, EOIN, IE
[71] SUPERNODE LTD, IE
[85] 2024-05-15
[86] 2022-11-18 (PCT/EP2022/082449)
[87] (WO2023/089118)
[30] EP (21209191.2) 2021-11-19

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[13] A1
[51] **Int.Cl. B65D 43/16 (2006.01) B65D 45/24 (2006.01) E05B 65/52 (2006.01)**
[25] EN
[54] **CONTAINER AND LATCHING SYSTEM**
[54] **CONTENANT ET SYSTEME DE VERROUILLAGE**
[72] BULLOCK, DUSTIN R., US
[72] DARLING, COLIN, US
[72] BLANCHARD, WALTER T., US
[71] YETI COOLERS, LLC, US
[85] 2024-05-15
[86] 2022-11-11 (PCT/US2022/079726)
[87] (WO2023/091882)
[30] US (17/530,053) 2021-11-18

[21] **3,238,338**
[13] A1
[25] FR
[54] **CONNECTED PACKAGING AND ASSOCIATED ACTIVATION METHOD**
[54] **EMBALLAGE CONNECTE ET PROCEDE D'ACTIVATION ASSOCIE**
[72] CHALBOS, NICOLAS, FR
[72] JELOYAN, CHRISTOPHE, FR
[71] UNABIZ, FR
[85] 2024-05-15
[86] 2022-11-15 (PCT/EP2022/081939)
[87] (WO2023/084106)
[30] FR (FR2112077) 2021-11-15

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[13] A1
[51] **Int.Cl. D06L 4/40 (2017.01) D06L 1/12 (2006.01) D06L 4/614 (2017.01)**
[25] EN
[54] **PRETREATMENT METHODS FOR COTTON TEXTILE WASTE FABRIC**
[54] **PROCEDES DE PRETRAITEMENT POUR CHUTES DE TISSU TEXTILES EN COTON**
[72] ANKENY, MARY ANN, US
[72] FARRELL, MATTHEW J, US
[72] GONZALEZ, RONALDS, US
[72] JAMEEL, HASAN, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[71] COTTON INCORPORATED, US
[85] 2024-05-15
[86] 2022-12-06 (PCT/US2022/081020)
[87] (WO2023/107947)
[30] US (63/287,355) 2021-12-08

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[13] A1
[51] **Int.Cl. G01S 17/89 (2020.01) G01S 17/86 (2020.01) G01S 17/42 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR OBTAINING DIMENSIONS AND FEATURES OF AN OBJECT**
[54] **DISPOSITIFS ET PROCEDES D'OBTENTION DE DIMENSIONS ET DE CARACTERISTIQUES D'UN OBJET**
[72] ROCK, ALAN, GB
[72] KRIEGLER, EDUARD, GB
[71] 3D TECHNOLOGIES LTD, GB
[85] 2024-05-15
[86] 2022-11-17 (PCT/EP2022/082322)
[87] (WO2023/089055)
[30] GB (2116602.0) 2021-11-17

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[13] A1
[51] **Int.Cl. B64C 39/02 (2023.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR AUTONOMOUS AND RANDOM DRONE TRAVEL**
[54] **PROCEDE ET SYSTEME SERVANT AU DEPLACEMENT DE DRONE AUTONOME ET ALEATOIRE**
[72] OAKLEY, IMANI R., US
[71] HOWARD UNIVERSITY, US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050421)
[87] (WO2023/091672)
[30] US (17/530,926) 2021-11-19

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[51] **Int.Cl. A01H 6/34 (2018.01)**
[25] EN
[54] **NOVEL SQUASH PLANTS WITH DOWNY MILDEW RESISTANCE**
[54] **NOUVELLES PLANTES DE COURGE PRESENTANT UNE RESISTANCE AU MILDIOU**
[72] PADLEY, LES, US
[72] RIZZOLATTI, CARINE, FR
[72] SANDHU, AJAY, US
[72] COOK, KEVIN, US
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-15
[86] 2022-11-30 (PCT/EP2022/083878)
[87] (WO2023/099576)
[30] US (17/539,392) 2021-12-01

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[13] A1
[51] **Int.Cl. B23D 71/04 (2006.01)**
[25] EN
[54] **BONE RESECTION METHOD BY PLUNGE MILLING AND RASPING DURING TOTAL ANKLE ARTHROPLASTY**
[54] **METHODE DE RESECTION OSSEUSE PAR FRAISAGE EN PLONGEE ET RAPAGE PENDANT UNE ARTHROPLASTIE TOTALE DE LA CHEVILLE**
[72] PRIEDITIS, MARIS, US
[72] CHAN, BENJAMIN, US
[72] GARLOCK, ADAM N., US
[71] ARTHREX, INC., US
[85] 2024-05-15
[86] 2022-12-02 (PCT/US2022/051613)
[87] (WO2023/102160)
[30] US (63/285,722) 2021-12-03
[30] US (63/301,600) 2022-01-21

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[51] **Int.Cl. C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-GD2 ADMINISTRATION REGIMEN**
[54] **REGIME POSOLOGIQUE D'ADMINISTRATION D'ANTI-GD2**
[72] MORA GRAUPERA, JAUME, ES
[72] CHEUNG, NAI-KONG, US
[72] MODAK, SHAKEEL, US
[72] RAJAH, VIGNESH, DK
[72] J. MOLLER SAN-PEDRO, CLAUS, DK
[71] Y-MABS THERAPEUTICS, INC., US
[85] 2024-05-15
[86] 2022-12-08 (PCT/DK2022/050270)
[87] (WO2023/104272)
[30] EP (21383131.6) 2021-12-10

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[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CANCER**
[54] **METHODES ET COMPOSITIONS POUR TRAITEMENT DU CANCER**
[72] FRUCHTMAN, STEVEN M., US
[72] PARRIS, MATTHEW, US
[72] GELDER, MARK S., US
[71] ONCONOVA THERAPEUTICS, INC., US
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050503)
[87] (WO2023/091724)
[30] US (63/280,957) 2021-11-18

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **FORMULATIONS COMPRISING A SADA COMPLEX**
[54] **FORMULATIONS COMPRENANT UN COMPLEXE SADA**
[72] LUND-HANSEN, TORBEN, DK
[72] LIEBENBERG, NICO, DK
[72] MORTENSEN, MATIAS MUNCK, DK
[72] LISBY, STEEN, DK
[72] PING, LI, DK
[71] Y-MABS THERAPEUTICS, INC., US
[85] 2024-05-15
[86] 2022-12-14 (PCT/DK2022/050279)
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[30] DK (PA 2021 70621) 2021-12-15

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[51] **Int.Cl. H01M 8/1039 (2016.01) C25B 1/04 (2021.01) C25B 11/04 (2021.01)**
[25] EN
[54] **TUNING OF FORMULATIONS BASED ON ANION-CONDUCTIVE POLYMERS (IONOMERS) FOR PRODUCING ELECTROCHEMICALLY ACTIVE LAYERS**
[54] **ACCORD DE FORMULATIONS A BASE DE POLYMERES CONDUCTEURS D'ANIONS (IONOMERES) POUR LA PRODUCTION DE COUCHES ELECTROCHIMIQUEMENT ACTIVES**
[72] BOROWSKI, PATRICK, DE
[72] MALJUSCH, ARTJOM, DE
[72] ELKEMANN, INES, DE
[72] ROTERS, PHILIPP, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2024-05-15
[86] 2022-11-07 (PCT/EP2022/080984)
[87] (WO2023/088714)
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[51] **Int.Cl. C01B 3/24 (2006.01) C01B 3/38 (2006.01) C01B 3/40 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **VOLUME COMPENSATION IN HYDROGEN PRODUCTION FROM HYDROCARBONS**
[54] **COMPENSATION DU VOLUME LORS DE LA PRODUCTION D'HYDROGENE A PARTIR D'HYDROCARBURES**
[72] MERIDA-DONIS, WALTER R., CA
[72] SHARAFIANARDAKANI, AMIRHOSSEIN, CA
[72] HERRERA, OMAR, CA
[72] WEI, KAI, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2024-05-15
[86] 2022-11-16 (PCT/CA2022/051693)
[87] (WO2023/087104)
[30] US (63/280,902) 2021-11-18

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[25] EN
[54] **FIXATION METHODS FOR TOTAL ANKLE ARTHROPLASTY**
[54] **PROCEDES DE FIXATION POUR ARTHROPLASTIE TOTALE DE LA CHEVILLE**
[72] GARLOCK, ADAM N., US
[72] POWELL, CHRIS, US
[72] DHILLON, BRAHAM, US
[72] PRIEDITIS, MARIS, US
[72] CHAN, BENJAMIN, US
[71] ARTHREX, INC., US
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[86] 2022-12-02 (PCT/US2022/051676)
[87] (WO2023/102198)
[30] US (63/285,827) 2021-12-03
[30] US (63/286,713) 2021-12-07

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[13] A1
[51] **Int.Cl. E21B 10/00 (2006.01) G01N 33/24 (2006.01) G01V 5/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING GAMMA-RAY MEASUREMENTS USING A SENSITIVITY MAP AND CONTROLLED SAMPLING MOTION**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE MESURES DE RAYONS GAMMA A L'AIDE D'UNE CARTE DE SENSIBILITE ET D'UN MOUVEMENT D'ECHANTILLONNAGE COMMANDE**
[72] CHEN, JIN-HONG, US
[72] ALTHAUS, STACEY M., US
[72] ZHANG, HOUZHOU, US
[71] ARAMCO SERVICES COMPANY, US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/050126)
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[30] US (17/455,128) 2021-11-16

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[51] **Int.Cl. A61B 50/24 (2016.01) A61B 34/30 (2016.01) A61B 90/50 (2016.01)**
[25] EN
[54] **MINIMALLY INVASIVE SURGICAL INSTRUMENT SUPPORT STAND**
[54] **SUPPORT D'APPUI D'INSTRUMENT CHIRURGICAL MINIMALEMENT INVASIF**
[72] AZAR, TOUFIC, CA
[72] LABBAN, OMAR, LB
[72] EID, ANTHONY, LB
[72] CECERE, RENZO, CA
[71] MEACOR, INC., US
[85] 2024-05-15
[86] 2022-12-01 (PCT/IB2022/061662)
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[51] **Int.Cl. G01R 19/25 (2006.01) G01R 13/00 (2006.01) G06F 17/40 (2006.01) H02J 3/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING, ANALYZING AND REDUCING EXTRANEOUS WAVEFORM CAPTURES**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION, D'ANALYSE ET DE REDUCTION AUTOMATIQUES DE CAPTURES DE FORME D'ONDE ETRANGERE**
[72] BICKEL, JON A., US
[72] MENZEL, JOHANNES, FR
[71] SCHNEIDER ELECTRIC USA, INC., US
[85] 2024-05-13
[86] 2022-11-11 (PCT/US2022/049704)
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[30] US (63/278,679) 2021-11-12

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[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **PRESERVATION OF NATURAL AND BIONENGINEERED TISSUES AND METHODS OF STORING AND TRANSPORT**
[54] **CONSERVATION DE TISSUS NATURELS ET OBTENUS PAR BIO-INGENIERIE ET PROCEDES DE STOCKAGE ET DE TRANSPORT**
[72] CAMPBELL, LIA H., US
[72] BROCKBANK, KELVIN G.M., US
[71] TISSUE TESTING TECHNOLOGIES LLC, US
[85] 2024-05-13
[86] 2022-11-15 (PCT/US2022/049930)
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[51] **Int.Cl. A61B 1/008 (2006.01) A61B 1/005 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE HAVING ARTICULATION MEMBER AND METHODS OF USE**
[54] **DISPOSITIF MEDICAL AYANT UN ELEMENT D'ARTICULATION ET PROCEDES D'UTILISATION**
[72] DOLAN, BRENT, US
[72] POWELL, SEAN, US
[72] GESSLER, RAYMOND DAVID, III, US
[72] EDISON, BRIAN PAUL, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2024-05-13
[86] 2022-11-23 (PCT/US2022/050822)
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[51] **Int.Cl. C07K 14/04 (2006.01) A61K 39/12 (2006.01) A61K 39/25 (2006.01) A61P 31/22 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **VARICELLA-ZOSTER VIRUS IMMUNOGEN COMPOSITIONS AND THEIR USES**
[54] **COMPOSITIONS D'IMMUNOGENES DU VIRUS VARICELLE-ZONA ET LEURS UTILISATIONS**
[72] NELSON, JENNIFER A., US
[72] CARTER, ERIK PAUL, US
[72] MELFI, MICHAEL DONATO, US
[71] FLAGSHIP PIONEERING INNOVATIONS VI, LLC, US
[85] 2024-05-13
[86] 2022-11-23 (PCT/US2022/050859)
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[13] A1
[51] **Int.Cl. B25C 1/08 (2006.01)**
[25] EN
[54] **DOSING LEVER FOR FASTENER DRIVING TOOL**
[54] **LEVIER DE DOSAGE POUR OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION**
[72] FRANK, ADAM J., US
[72] MANIAR, NINAD C., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2024-05-13
[86] 2022-11-17 (PCT/US2022/080022)
[87] (WO2023/097159)
[30] US (63/282,400) 2021-11-23
[30] US (18/056,119) 2022-11-16

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[13] A1
[51] **Int.Cl. B25C 1/08 (2006.01)**
[25] EN
[54] **FUEL CELL ADAPTER FOR FASTENER DRIVING TOOL**
[54] **ADAPTATEUR DE PILE A COMBUSTIBLE POUR OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION**
[72] VANSTAAN, VALERY H., US
[72] MANIAR, NINAD C., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2024-05-13
[86] 2022-11-17 (PCT/US2022/080026)
[87] (WO2023/097160)
[30] US (63/282,392) 2021-11-23
[30] US (18/056,040) 2022-11-16

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[13] A1
[51] **Int.Cl. B25C 1/08 (2006.01)**
[25] EN
[54] **COMBUSTION CHAMBER RING FOR FASTENER DRIVING TOOL**
[54] **BAGUE DE CHAMBRE DE COMBUSTION POUR OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION**
[72] BRELOT, FLORIAN, US
[72] MANIAR, NINAD C., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2024-05-13
[86] 2022-11-17 (PCT/US2022/080044)
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[30] US (63/282,525) 2021-11-23
[30] US (18/056,050) 2022-11-16

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[51] **Int.Cl. H05B 45/12 (2020.01) H05B 45/10 (2020.01) H05B 45/30 (2020.01) H05B 45/305 (2020.01) H05B 45/32 (2020.01) H05B 47/11 (2020.01) H05B 47/125 (2020.01)**
[25] EN
[54] **CONTROL A DIMMING LEVEL OF AN ILLUMINATION LOAD BY A DIMMER DEVICE**
[54] **COMMANDE D'UN NIVEAU DE GRADATION D'UNE CHARGE D'ECLAIRAGE PAR UN DISPOSITIF GRADATEUR**
[72] GARNER, GREGORY MACK, US
[71] ROKU, INC., US
[85] 2024-05-13
[86] 2022-11-17 (PCT/US2022/080057)
[87] (WO2023/092014)
[30] US (17/529,940) 2021-11-18

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[13] A1
[51] **Int.Cl. B65D 17/28 (2006.01)**
[25] EN
[54] **CAN END AND METHOD OF MANUFACTURING A CAN END**
[54] **COUVERCLE DE BOITE ET PROCEDE DE PRODUCTION D'UN COUVERCLE DE BOITE**
[72] PIECH, GREGOR ANTON, AT
[71] TOP CAP HOLDING GMBH, AT
[85] 2024-05-13
[86] 2022-11-18 (PCT/EP2022/082447)
[87] (WO2023/094281)
[30] DE (10 2021 131 239.6) 2021-11-29

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[51] **Int.Cl. C08L 83/04 (2006.01) C08K 5/5317 (2006.01) C08K 5/54 (2006.01) C08K 5/549 (2006.01) C09D 183/04 (2006.01) C09J 183/04 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **COMPOSITION FOR SILICONE RUBBER COMPOUNDS**
[54] **COMPOSITION POUR MATERIAUX DE CAOUTCHOUC DE SILICONE**
[72] SCHUCK, RUDIGER, DE
[72] LIPPSTREU, JORG, DE
[72] KRUPP, ALEXIS, DE
[72] KNOTT, THOMAS, DE
[72] PICHL, ULRICH, DE
[71] NITROCHEMIE ASCHAU GMBH, DE
[85] 2024-05-13
[86] 2022-11-24 (PCT/EP2022/083121)
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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CROHN'S DISEASE WITH ANTI-IL23 SPECIFIC ANTIBODY**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE CROHN AU MOYEN D'UN ANTICORPS SPECIFIQUE ANTI-IL23**
[72] ADEDOKUN, OMONIYI, US
[72] CHAN, DAPHNE, US
[72] CHEN, YANG, US
[72] SZAPARY, PHILIPPE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-13
[86] 2022-11-14 (PCT/IB2022/060946)
[87] (WO2023/084488)
[30] US (63/279,418) 2021-11-15

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[51] **Int.Cl. F21V 29/60 (2015.01) F21V 29/67 (2015.01) F21V 29/83 (2015.01) F28F 3/12 (2006.01) G06F 1/20 (2006.01) H01L 23/467 (2006.01)**
[25] EN
[54] **DISPLAY ASSEMBLY WITH DIVIDED INTERIOR SPACE**
[54] **ENSEMBLE D'AFFICHAGE A ESPACE INTERIEUR DIVISE**
[72] DUNN, WILLIAM, US
[72] DIAZ, MARCOS, US
[72] MOREAU, ALEX, US
[71] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2024-05-15
[86] 2022-11-08 (PCT/US2022/049263)
[87] (WO2023/096738)
[30] US (17/533,609) 2021-11-23

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[51] **Int.Cl. F03D 13/40 (2016.01)**
[25] EN
[54] **TRANSIT BRACKET ASSEMBLY FOR WIND TURBINE TOWER SECTIONS**
[54] **ENSEMBLE CONSOLE DE TRANSIT POUR SECTIONS DE TOUR D'EOLIENNE**
[72] STUART, WILLIAM, US
[72] STUART, PETER W., US
[71] BNSF LOGISTICS, LLC, US
[85] 2024-05-16
[86] 2021-11-17 (PCT/US2021/059620)
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[54] **RECOUVREMENT TRANSPARENT PRESENTANT DES REVETEMENTS ANTIREFLET**
[72] WILSON, STEPHEN S., US
[71] RACING OPTICS, INC., US
[22] 2019-10-03
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[62] 3,116,126
[30] US (62/748,154) 2018-10-19
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[25] EN
[54] **METHODS, SYSTEMS, AND COMPUTER-READABLE MEDIA FOR PERFORMING AUTOMATED DRILLING OF A WELLBORE**
[54] **METHODES, SYSTEMES ET SUPPORT LISIBLE PAR ORDINATEUR POUR REALISER UN FORAGE AUTOMATISE D'UN TROU DE FORAGE**
[72] AGARWAL, KSHITIJ, CA
[72] MCINTYRE, JONATHAN ALAN, CA
[72] NG, CHOON-SUN JAMES, CA
[72] EDDY, AARON, CA
[71] PASON SYSTEMS CORP., CA
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[62] 3,099,282

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[54] **AUTOMATED CART OPERATION**
[54] **EXPLOITATION DE CHARIOT AUTOMATISEE**
[72] VAN MILL, MICHAEL D., US
[72] SELF, CHRISTOPHER M., US
[72] SCHLIMGEN, RONALD J., US
[71] UNVERFERTH MANUFACTURING COMPANY, INC., US
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[54] **POTATO PROTEIN POWDERS**
[54] **POUDRES DE PROTEINE DE POMME DE TERRE**
[72] BOHLSCHEID, JEFFRI CURTIS, US
[72] FLETCHER, KATRINA MARIE, NZ
[72] HUFFMAN, LEE MERYL, NZ
[71] J.R. SIMPLOT COMPANY, US
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[54] **SYSTEM AND METHOD FOR STREAMLINING USER INTERACTION WITH ELECTRONIC CONTENT**
[54]
[72] BEHAR, YVES, US
[72] MORENSTEIN, JOSHUA, US
[72] HIBMACRONAN, CHRISTOPHER, US
[72] EDAHIRO, NAOYA, US
[72] DAY, MATTHEW DAVID, US
[72] HAVOC, ROBERT SANFORD, US
[72] GUYOT, NOAH BRUCE, US
[72] KUO, DANIEL, US
[72] HAYES, JENEA BOSHART, US
[72] TANG, AARON, US
[72] FISCHER, DONALD FRANCIS, US
[72] SCHMIDT, CHRISTIAN MARC, US
[72] STRAUSFELD, LISA, US
[72] FORE, DAVID LIVINGSTONE, US
[72] GALLUCI, MARC, US
[72] SUTTON, ERIC, US
[72] WEBBER, SAMUEL WALLACE, US
[72] MEAHAN, CHRISTINE, US
[72] HENSON, PHILIP, US
[72] CHUANG, JOHN, US
[72] HANEY, BART, US
[72] RAY, LOGAN, US
[72] BAMBACUS, CHRIS, US
[72] BEAULIEU, SERGE, US
[71] LITL, LLC, US
[22] 2009-04-01
[41] 2009-12-03
[62] 3,028,799
[30] US (61/041,365) 2008-04-01
[30] US (12/170,939) 2008-07-10
[30] US (12/170,951) 2008-07-10

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[13] A1
[25] EN
[54] **METHODS FOR TREATING CONDITIONS ASSOCIATED WITH MASP-2 DEPENDENT COMPLEMENT ACTIVATION**
[54] **METHODES DE TRAITEMENT D'ETATS ASSOCIES A UNE ACTIVATION DU COMPLEMENT_DEPENDANT DR MASP-2**
[72] DEMOPULOS, GREGORY A., US
[72] DUDLER, TOM, US
[72] SCHWAEBLE, HANS-WILHELM, GB
[71] OMEROS CORPORATION, US
[22] 2012-04-06
[41] 2012-10-11
[62] 3,076,975
[30] US (61/473,698) 2011-04-08

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[13] A1
[25] EN
[54] **BATTERY LIFE EXTENSION VIA CHANGES IN TRANSMISSION RATES**
[54] **PROLONGEMENT DE LA DUREE DE VIE D'UNE BATTERIE AU MOYEN DE MODIFICATIONS DE DEBITS DE TRANSMISSION**
[72] CORNWALL, MARK K., US
[72] KANN, JAMES LEE, US
[71] ITRON, INC., US
[22] 2019-12-13
[41] 2020-06-25
[62] 3,122,074
[30] US (16/231,145) 2018-12-21

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[13] A1
[25] EN
[54] **IMAGE PROCESSING METHOD AND APPARATUS THEREFOR**
[54] **METHODE DE TRAITEMENT D'IMAGE ET APPAREIL ASSOCIE**
[72] JANG, HYEONGMOON, KR
[72] NAM, JUNGHAK, KR
[72] KIM, SEUNGHWAN, KR
[72] LIM, JAEHYUN, KR
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[22] 2017-12-27
[41] 2018-07-12
[62] 3,142,941
[30] US (62/441,588) 2017-01-03
[30] US (62/446,535) 2017-01-16

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[13] A1
[51] **Int.Cl. C07C 43/03 (2006.01) H01M 10/056 (2010.01) C07C 29/132 (2006.01) C07C 29/62 (2006.01) C07C 68/06 (2020.01) C07D 301/03 (2006.01) C09K 5/10 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING A PARTIALLY FLUORINATED ALCOHOL**
[54] **METHODE DE PREPARATION D'UN ALCOOL PARTIELLEMENT FLUORE**
[72] SHARRATT, ANDREW, GB
[72] GRUNDY, DAVID, GB
[72] SAXENA, IRA, GB
[71] MEXICHEM FLUOR S.A. DE C.V., MX
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[54] **ANTIBODY VARIABLE DOMAINS TARGETING THE NKG2D RECEPTOR**
[54] **DOMAINES VARIABLES D'ANTICORPS CIBLANT LE RECEPTEUR NKG2D**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] GRINBERG, ASYA, US
[72] HANEY, WILLIAM, US
[72] LUNDE, BRADLEY M., US
[72] PRINZ, BIANKA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[22] 2019-02-08
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[54] **CARBON-NEUTRAL PROCESS FOR GENERATING ELECTRICITY**
[54] **PROCEDE NEUTRE EN CARBONE DE PRODUCTION D'ELECTRICITE**
[72] ALLINSON, PAUL A., US
[72] HOHMANN, ROBERT P., US
[72] MUNSON, CURTIS L., US
[72] O'REAR, DENNIS, US
[72] SCIAMANNA, STEVEN F., US
[72] SCHINSKI, WILLIAM L., US
[72] WILSON, CHARLES R., US
[72] KLAASSEN, ALAN W., US
[71] THE CLAIRE TECHNOLOGIES CORPORATION, US
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[62] 3,169,264
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[25] EN
[54] **LOW-CONVERGENCE NEGATIVE POWER SPECTACLES**
[54] **LUNETTES DE PUISSANCE NEGATIVE A FAIBLE CONVERGENCE**
[72] KRALL, JEFFREY P., US
[72] PLUMLEY, ARIC, US
[71] NEUROLENS, INC., US
[22] 2018-12-15
[41] 2019-07-04
[62] 3,085,584
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[21] **3,237,917**
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[25] EN
[54] **METHODS FOR AGRONOMIC AND AGRICULTURAL MONITORING USING UNMANNED AERIAL SYSTEMS**
[54] **PROCEDES DE SURVEILLANCE AGRONOMIQUE ET AGRICOLE A L'AIDE DE SYSTEMES AERIENS SANS PILOTE**
[72] SAUNDER, DOUG, US
[72] KOCH, JUSTIN L., US
[72] PLATTNER, TROY L., US
[72] BAURER, PHIL, US
[71] CLIMATE LLC, US
[22] 2015-08-20
[41] 2016-02-25
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[54] **LOW-CONVERGENCE NEGATIVE POWER SPECTACLES**
[54] **LUNETTES DE PUISSANCE NEGATIVE A FAIBLE CONVERGENCE**
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[72] PLUMLEY, ARIC, US
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[54] **METHOD OF TARGETING SPECIFIC CELL POPULATIONS USING CELL-BINDING AGENT MAYTANSINOID CONJUGATES LINKED VIA A NON-CLEAVABLE LINKER, SAID CONJUGATES, AND METHODS OF MAKING SAID CONJUGATES**
[54] **PROCEDE DE CIBLAGE DE POPULATIONS CELLULAIRES SPECIFIQUES A L'AIDE DE CONJUGUES FORMES D'UN AGENT DE LIAISON CELLULAIRE ET DE MAYTANSINOIDES, LIES PAR L'INTERMEDIAIRE D'UN LIEUR NON CLIVABLE, LESDITS CONJUGUES ET LEURS PROCEDES DE PREPARATION**
[72] STEEVES, RITA, US
[72] CHARI, RAVI, US
[72] BLATTLER, WALTER, US
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[71] IMMUNOGEN, INC., US
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[72] PETKUS, MATTHEW MICHAEL, US
[72] BYRD, ALANA, US
[72] FARMER, RACHEL ANN, US
[71] W.M. BARR & COMPANY, INC., US
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[54] **DOWNHOLE OPERATIONS USING REMOTE OPERATED SLEEVES AND APPARATUS THEREFO R**
[54] **OPERATIONS DE FOND DE TROU FAISANT INTERVENIR DES MANCHONS ACTIONNES A DISTANCE ET APPAREIL CONNEXE**
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[72] ANGMAN, PER, CA
[72] PETRELLA, ALLAN, CA
[71] KOBOLD CORPORATION, CA
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[51] **Int.Cl. C12M 1/00 (2006.01) B01L 3/00 (2006.01) B01L 9/00 (2006.01) C12M 1/26 (2006.01) C12M 1/34 (2006.01) C12M 3/00 (2006.01) G01N 33/48 (2006.01) G01N 35/00 (2006.01)**
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[54] **MULTI FUNCTION SPINNING PLATFORM**
[54] **PLATE-FORME DE CENTRIFUGATION MULTIFONCTION**
[72] BOISEN, ANJA, DK
[72] HWU, EN-TE, DK
[72] ZOR, KINGA IUDITH, SE
[72] RANJENDRAN, SRIRAM, DK
[72] SERIOLI, LAURA, DK
[71] DANMARKS TEKNISKE UNIVERSITET, DK
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[54] **METHODS FOR CANNABINOID QUANTIFICATION**
[54] **PROCEDES DE QUANTIFICATION DE CANNABINOIDE**
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[54] **EFFIECIENT COMMUNICATION FOR DEVICES OF A HOME NETWORK**
[54] **COMMUNICATION EFFICACE DESTINEE A DES DISPOSITIFS DANS UN RESEAU DOMESTIQUE**
[72] ERICKSON, GRANT M., US
[72] LOGUE, JAY D., US
[72] BOROSS, CHRISTOPHER A., US
[72] SMITH, ZACHARY B., US
[72] HARDISON, OSBORNE B., US
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[54] **METHODS AND COMPOSITIONS FOR HERBICIDE TOLERANCE IN PLANTS**
[54] **METHODES ET COMPOSITIONS POUR LA TOLERANCE AUX HERBICIDES DES PLANTES**
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[72] LARUE, CLAYTON T., US
[72] MOSHIRI, FARHAD, US
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[54] **CHAISE HAUTE FIXEE A UNE TABLE DE PIQUE-NIQUE**
[72] NORQUIST, THOMAS ROBERT, US
[72] VAIJAPURKAR, SALIL SHRIRAM, US
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[54] **IMPLEMENT CONTOURING TOOLBAR**
[54] **BARRE PORTE-OUTILS DE LABOUR EN COURBES DE NIVEAUX D'INSTRUMENT**
[72] FANSHIER, BENJAMIN ANSON, US
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[71] AGCO CORPORATION, US
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[54] **MERGE MODE-BASED INTER-PREDICTION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'INTER-PREDICTION BASEE SUR UN MODE DE FUSION**
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[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **ELECTRIC VEHICLE**
[54] **VEHICULE ELECTRIQUE**
[72] STENBERG, KURT E., US
[72] NOTARO, JOEL M., US
[72] LEONARD, JOSH J., US
[72] CRAIN, STEPHEN G., US
[72] SABOURIN, DENNIS P., US
[72] OLSEN, RUSS G., US
[72] MAKI, RICHARD R., US
[72] MALONE, AMBER PATRICIA, US
[72] GILLINGHAM, BRIAN R., US
[72] JOHNSTUN, JEREMIAH, US
[71] POLARIS INDUSTRIES INC., US
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[54] **UPLINK CHANNEL TRANSMISSION IN DUAL CONNECTIVITY**
[54] **TRANSMISSION DE CANAL DE LIAISON MONTANTE DANS UNE DOUBLE CONNECTIVITE**
[72] HAN, SEUNGHEE, US
[72] HEO, YOUN HYOUNG YOUN, KR
[72] ZHANG, YUJIAN, CN
[72] HE, HONG, CN
[71] APPLE INC., US
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[54] **SYSTEMS AND METHODS FOR INTER-APP COMMUNICATIONS**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATIONS ENTRE DES APPLICATIONS**
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[72] BELLIVEAU, SCOTT M., US
[72] CABRERA, ESTEBAN, US
[72] DRAEGER, RIAN, US
[72] DUNN, LAURA J., US
[72] GOLDSMITH, TIMOTHY JOSEPH, US
[72] HAMPAPURAM, HARI, US
[72] HANNEMANN, CHRISTOPHER ROBERT, US
[72] KAMATH, APURV ULLAS, US
[72] KOEHLER, KATHERINE YERRE, US
[72] MCBRIDE, PATRICK WILE, US
[72] MENSINGER, MICHAEL ROBERT, US
[72] PASCUAL, FRANCIS WILLIAM, US
[72] PELLOUCHOUD, PHILIP MANSIEL, US
[72] POLYTARDIS, NICHOLAS, US
[72] PUPA, PHILIP THOMAS, US
[72] DAVIS, ANNA LEIGH, US
[72] SHOEMAKER, KEVIN, US
[72] SMITH, BRIAN CHRISTOPHER, US
[72] WEST, BENJAMIN ELROD, US
[72] WILEY, ATIIM JOSEPH, US
[71] DEXCOM, INC., US
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[54] **SERUM-FREE CELL CULTURE MEDIUM**
[54] **MILIEU DE CULTURE CELLULAIRE SANS SERUM**
[72] OSHODI, SHADIA, US
[72] JOHNSON, AMY, US
[72] LAWRENCE, SHAWN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[51] **Int.Cl. C12P 21/02 (2006.01) C07K 14/71 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01) C12N 5/02 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01)**
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[54] **SERUM-FREE CELL CULTURE MEDIUM**
[54] **MILIEU DE CULTURE CELLULAIRE SANS SERUM**
[72] OSHODI, SHADIA, US
[72] JOHNSON, AMY, US
[72] LAWRENCE, SHAWN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[41] 2014-09-18
[62] 3,135,232
[30] US (61/790,136) 2013-03-15
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[54] **METHODS AND SYSTEMS FOR OCT GUIDED GLAUCOMA SURGERY**
[54] **PROCEDES ET SYSTEMES POUR CHIRURGIE DU GLAUCOME GUIDEE PAR OCT**
[72] BERLIN, MICHAEL S., US
[71] BERLIN, MICHAEL S., US
[22] 2018-06-18
[41] 2018-12-20
[62] 3,067,561
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[21] **3,238,129**
[13] A1
[25] EN
[54] **STABLE SALT AND CRYSTAL FORMS OF 2-[3-({1-[2-(DIMETHYLAMINO)ETHYL]-2-(2,2-DIMETHYLPROPYL)-1H-1,3-BENZODIAZOL-5-YL}SULFONYL)AZETIDIN-1-YL]ETHAN-1-OL**
[54] **SEL ET FORMES CRISTALLINES STABLES DU 2-[3-({1-[2-(DIMETHYLAMINO)ETHYL]-2-(2,2-DIMETHYLPROPYL)-1H-1,3-BENZODIAZOL-5-YL}SULFONYL)AZETIDIN-1-YL]ETHAN-1-OL**
[72] INAMI, YUKARI, JP
[72] OKUMURA, YOSHIYUKI, JP
[72] WALKER, TRACY, GB
[71] ASKAT INC., JP
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[41] 2022-05-19
[62] 3,196,706
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