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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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 14, 2024 contains applications open to public inspection from April 28, 2024 to May 4, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 14 mai 2024 contient les demandes disponibles au public pour consultation pour la période du 28 avril 2024 au 4 mai 2024.

Canadian Patents Issued

May 14, 2024

Brevets canadiens délivrés

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[54] **SYSTEME D'AUTO-CLASSIFICATION ET PROCEDE POUR UNE RETROACTION D'UTILISATEUR DYNAMIQUE**
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[54] **SYSTEMES ET PROCEDES POUR FOURNIR DES NOTIFICATIONS SUR SOLDE DE COMPTE A DES DISPOSITIFS CONNECTES**
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[72] CHAN, PAUL MON-WAH, CA
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[54] **COMPOSES BOLAAMPHIPHILES, COMPOSITIONS ET LEURS UTILISATIONS**
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[54] **SYSTEME ET PROCEDE DE DETECTION DE TRANSMISSION DE DISPOSITIF CELLULAIRE D'EQUIPEMENT MOBILE**
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[72] PRAVONGVIENGKHAM, KENNII, US
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[72] BOLANOS, EDUARDO, US
[72] FALKENSTEIN, ZORAN, US
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[73] GILL CORPORATE LIMITED, GB
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[54] **ENZYME MUTANTE ET PROCEDE DE FABRICATION D'UN TERPENOIDE METTANT EN OEUVRE CETTE ENZYME MUTANTE**
[72] TAKEHANA, TOSHIHIKO, JP
[72] KOIKE, SEIJI, JP
[72] KUZUYAMA, TOMOHISA, JP
[73] ADEKA CORPORATION, JP
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[54] **SYSTEMS AND METHODS FOR TRACKING AND TRANSFERRING OWNERSHIP OF CONNECTED DEVICES USING BLOCKCHAIN LEDGERS**
[54] **SYSTEMES ET METHODE DE SUIVI ET DE TRANSFERT DE LA PROPRIETE DE DISPOSITIFS CONNECTES AU MOYEN DE REGISTRES A CHAINE DE BLOCS**
[72] HALDENBY, PERRY AARON
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[72] MAHADEVAN, RAJAN, CA
[72] LEE, JOHN JONG SUK, CA
[72] DEL VECCHIO, ORIN, CA
[72] CHAN, PAUL MON-WAH, CA
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[54] **AGRAFEUSE MULTICOUP DOTEE D'UN COMPTEUR ELECTRONIQUE, D'UN VERROU ET D'UN INDICATEUR VISUEL**
[72] MARCZYK, STANISLAW, US
[72] RACENET, DAVID, US
[72] KOSTRZEWSKI, STANISLAW, US
[72] IRKA, PHILIP, US
[73] COVIDIEN LP, US
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[54] **SYSTEMES ET PROCEDES POUR SURVEILLER LES STOCKS DE PRODUITS PRESENTES**
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[72] JONES, NICHOLAUS A., US
[72] TAYLOR, ROBERT J., US
[72] VASGAARD, AARON J., US
[73] WALMART APOLLO, LLC, US
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[54] **METHODES DE DETECTION DE LA GRIPPE**
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[72] BROWN, BRADLEY, US
[72] JONES, ROBERT, US
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[54] **ENSEMBLE DE BORNE INCENDIE**
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[72] JENKINS, KYLE WILLIAM, CA
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[72] RICHARDS, KURT, US
[72] HOOVER, ANDREW, US
[73] REOXCYN, LLC, US
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[72] KING, PHILIP A., US
[72] HASSELL, JON P., US
[72] APPS, WILLIAM P., US
[72] KALINOWSKI, DANE GIN MUN, US
[73] REHRIG PACIFIC COMPANY, US
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[72] ROZMAN, ROBERT, SI
[73] RIPD IP DEVELOPMENT LTD, CY
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[54] **PROCEDE DE PRODUCTION DE CARBURANT ELABORE**
[72] TOBERMAN, RICHARD A., US
[73] WM INTELLECTUAL PROPERTY HOLDINGS, L.L.C., US
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[54] **METHODE DE FABRICATION D'UN EMPILEMENT STRATIFIE DESTINE A UNE MACHINE ELECTRIQUE**
[72] DA SILVA, JOAQUIM, FR
[72] SALAHUN, ERWAN, FR
[72] TELLIER, BRUNO, FR
[73] SKF MAGNETIC MECHATRONICS, FR
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[54] **DOSAGE ET ADMINISTRATION DES ANTICORPS ANTI-CD40 NON FUCOSYLES**
[72] GARDAI, SHYRA, US
[72] LAW, CHE-LEUNG, US
[72] PENG, STANFORD, US
[72] YANG, JING, US
[72] NEFF-LAFORD, HALEY, US
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[54] **TAU PROTEIN PRODUCTION ACCELERATOR, AND THERAPEUTIC OR PREVENTIVE AGENT AND THERAPEUTIC OR PREVENTIVE FOOD COMPOSITION FOR DISEASES CAUSED BY TAU PROTEIN DEFICIENCY**
[54] **AGENT POUR FAVORISER LA PRODUCTION DE PROTEINE TAU, ET MEDICAMENT THERAPEUTIQUE OU PROPHYLACTIQUE ET COMPOSITION DE PRODUIT ALIMENTAIRE THERAPEUTIQUE OU PROPHYLACTIQUE POUR UNE MA LADIE CAUSEE PAR UNE CARENCE EN PROTEINE TAU**
[72] ISHII, YOICHI, JP
[72] NEMOTO, TAKAYUKI, JP
[72] OKAMOTO, TAKESHI, JP
[73] WELL STONE CO., JP
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[54] **METHODE POUR LA DETECTION DE LA PERMEABILITE INTESTINALE ET DE LA BARRIERE HEMATOENCEPHALIQUE ET MATERIAUX D'ESSAI POUR CELLE-CI**
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[73] CYREX LABORATORIES, LLC, US
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[54] **REVETEMENTS RESISTANT AUX INTEMPERIES, AUX CHAMPIGNONS ET AUX TACHES ET PROCEDES D'APPLICATION SUR BOIS, MACONNERIE OU AUTRES MATERIAUX POREUX**
[72] CURRAN, SEAMUS, US
[72] LIAO, KANG-SHYANG, US
[72] ALLEY, NIGEL, US
[72] HALDAR, AMRITA, US
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[54] **APPARATUSES AND METHODS FOR PASSIVE FAULT MONITORING OF CURRENT SENSING DEVICES IN PROTECTIVE CIRCUIT INTERRUPTERS**
[54] **APPAREILS ET PROCEDES DE SURVEILLANCE DE DEFAUT PASSIVE DE DISPOSITIFS DE DETECTION DE COURANT DANS DES DISJONCTEURS DE PROTECTION**
[72] MILLER, WILLIAM VERNON, III, US
[72] CHEN, EDWARD SHI, US
[72] MILLER, GARY MICHAEL, US
[73] HUBBELL INCORPORATED, US
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[54] **PROCEDE DE PRODUCTION D'ANTICORPS MONOCLONAL DE LAPIN RECOMBINE SPECIFIQUE D'UN ALLOTYPE**
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[73] ABCAM LIMITED, GB
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[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'HYPERKALIEMIE**
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[72] DAVIDSON, JAMES P., US
[72] LIN, FANGLING, US
[72] JACOBS, JEFFREY W., US
[72] BLINOVA, NATALIA, US
[72] LABONTE, ERIC, US
[72] LANGSETMO, INGRID, US
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[73] AMCOR FLEXIBLES BURGDORF GMBH, CH
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[54] **COUSSINAGE DE MONTANT**
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[72] STRONG, SCOTT, CA
[73] AMATRIMARA INC. C.O.B. RIVER DRIVE MANUFACTURING, CA
[73] BENTECH INC., US
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[72] GOSLING, GEOFF, CA
[72] SMED, MOGENS, CA
[72] TISDALL, MARK, CA
[72] CASSIE, BRIAN, CA
[72] HOVDEBO, KENTON, CA
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[54] **ANTICORPS ANTI-SCLEROSTINE, FRAGMENT DE LIAISON A L'ANTIGENE ET UTILISATION MEDICALE ASSOCIEE**
[72] LIU, JIAJIAN, CN
[72] FU, YAYUAN, CN
[72] ZHANG, HAOYING, CN
[72] WANG, YIFANG, CN
[72] ZHANG, ZHEN, CN
[72] ZHANG, LING, CN
[72] CUI, DONGBING, CN
[72] ZHANG, LIANSHAN, CN
[72] TAO, WEIKANG, CN
[73] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[73] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
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[54] **LUMINAIRE DEL**
[72] POPPENHEIMER, TORI, US
[72] ZIOLKOWSKI, DAVID P., US
[73] AMERLUX, LLC, US
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[72] BURNS, THOMAS W., US
[72] CALCATERRA, CHRIS, US
[72] COLLINS, EDWARD, US
[72] MCCAULEY, TIMOTHY, US
[72] HAFFNER, DAVID S., US
[72] HENDERSON, STEVEN M., US
[73] GLAUKOS CORPORATION, US
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[54] **INTEGRATED PROCESS CONTROLLER WITH LOOP AND VALVE CONTROL CAPABILITY**
[54] **ORGANE DE COMMANDE DE PROCESSUS INTEGRE AVEC CAPACITE DE COMMANDE DE BOUCLE ET VALVE**
[72] CARTWRIGHT, CARTER B., US
[72] BRANDAU, THOMAS A., US
[72] ANCTIL, JAMES, US
[72] MANDERNACH, JORDAN E., US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
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[72] SAIKA, MASAYUKI, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[73] SUMITOMO HEAVY INDUSTRIES, LTD., JP
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[54] **PROCEDE ET SYSTEME D'IDENTIFICATION D'UN ISTHME DANS UNE CARTOGRAPHIE TRIDIMENSIONNELLE**
[72] DE CHILLOU, CHRISTIAN, FR
[73] UNIVERSITE DE LORRAINE, FR
[73] CENTRE HOSPITALIER REGIONAL DE NANCY, FR
[85] 2017-09-29
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[54] **HYDROQUINONES A ENCOMBREMENT STERIQUE EN TANT QU'AGENTS CONTRE L'ENCRASSEMENT POUR MONOMERES INSATURES**
[72] MASERE, JONATHAN, US
[72] COLORADO, RAMON, JR., US
[73] ECOLAB USA INC., US
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[30] US (62/150,022) 2015-04-20

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[54] **ECLAIRAGE ET SYSTEME CAPTEUR DESTINES A UN OUTIL DE REPECHAGE**
[72] FRETZ, DARREN G., US
[72] AVERILL, BRYAN, US
[72] CHRISTENSEN, KEVIN, US
[72] WENDLER, IAN, US
[72] HERAVI, OLIVER, US
[73] WARN INDUSTRIES, INC., US
[86] (2982985)
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[73] BIRD TECHNOLOGIES GROUP, INC., US
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[73] BLACKBERRY LIMITED, CA
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[54] **FEUILLE OU PANNEAU SANDWICH EN NID D'ABEILLE A BASE DE PROLYPROPYLENE COMPRENANT UN FILM CENTRAL THERMOFORME**
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[54] **FLUIDES DE FORAGE ET LEURS PROCEDES D'UTILISATION**
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[73] ECOLAB USA INC., US
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[72] CALLAHAN, JAMES FRANCIS, US
[72] YAN, HONGXING, US
[72] HEIGHTMAN, THOMAS DANIEL, GB
[72] GRIFFITHS-JONES, CHARLOTTE MARY, GB
[72] WOOLFORD, ALISON JO-ANNE, GB
[72] LI, TINDY, US
[72] LAKDAWALA SHAH, AMI, US
[72] DAVIS, RODERICK S., US
[72] NORTON, DAVID, GB
[72] GOODWIN, NICOLE CATHLEEN, US
[72] JIN, YUN, CN
[72] HAMILTON, PARIS L., US
[72] BOEHM, JEFFREY CHARLES, US
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[72] CHISHOLM, P. SCOTT, CA
[72] BROWN, STEPHEN, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[54] **PROCEDE D'ETALONNAGE DE MESURE DE LA DURETE DE L'EAU**
[72] LI, HUI, US
[72] KNOTH, ALEXANDRA, US
[72] SCHWARTZ, JOE, US
[72] WILSON, CHRISTOPHER BRANT, US
[72] KAHAIAN, ARTHUR, US
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[54] **DISPOSITIF CAPTEUR ET PROCEDE DE DETECTION D'UN CONSTITUANT DANS UN GAZ**
[72] GYLFASON, KRISTINN B., SE
[72] SOHLSTROM, HANS, SE
[72] BRIANO, FLORIA OTTONELLO, SE
[72] STEMME, GORAN, SE
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[54] **COMPOSITION A MACHER COMPRENANT UN INGREDIENT PHARMACEUTIQUEMENT ACTIF**
[72] COLEMAN, DAN, US
[72] STANDLEY, STEVE, US
[73] VIRBAC CORPORATION, US
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[54] **PROCEDE ET APPAREIL MULTIFOCAUX PERMETTANT UNE STABILISATION DES SYSTEMES OPTIQUES**
[72] CHOU, KENG, CA
[72] TAFTEH, REZA, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
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[54] **CONDENSATEUR ET BOBINE D'INDUCTANCE INTEGRES A FAIBLE INDUCTANCE PARASITE**
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[72] SCHROEDERMEIER, ANDY LEE, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[72] SCHELHAAS, KARL-PETER, DE
[73] DIEHL AEROSPACE GMBH, DE
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[54] **DISTRIBUTEURS DE PRODUIT AUTOMATISE ET PROCEDES ASSOCIES POUR L'ISOLEMENT D'UN ENSEMBLE D'ENTRAINEMENT POUR INHIBER LA TRANSMISSION DE VIBRATIONS**
[72] CITTADINO, ANTONIO MICHAEL, US
[72] PETERS, MARK EDWIN, US
[73] GPCP IP HOLDINGS LLC, US
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[73] THE COCA-COLA COMPANY, US
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[54] **PROCEDE DE PRODUCTION DE COMPOSES ALCENES ET ALCANES EN C3 CHLORES**
[72] ONDRUS, ZDENEK, CZ
[72] KUBICEK, PAVEL, CZ
[72] SLADEK, PETR, CZ
[73] SPOLCHEMIE ZEBRA, A.S., CS
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[54] **TAMIS MOLECULAIRE SSZ-91, PROCEDES DE PREPARATION DE SSZ-91, ET UTILISATIONS DE SSZ-91**
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[72] XIE, DAN, US
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[54] **METHODES DE TRAITEMENT DE TROUBLES NEURODEGENERATIFS DANS UNE POPULATION SPECIFIQUE DE PATIENTS**
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[72] POWER, AIDAN, US
[72] TOLAR, MARTIN, US
[72] HEY, JOHN, US
[72] YU, JEREMY, US
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[54] **BOBINE D'ALLUMAGE DESTINEE A APPLIQUER UN COURANT ALTERNATIF A UNE BOUGIE D'ALLUMAGE**
[72] MARRS, THOMAS C., US
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[54] **PRODUIT EN BOIS COMPOSITE ET PROCEDE DE PRODUCTION DE CE PRODUIT**
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[72] PYNNONEN, JANNE, FI
[72] STOD, REETA-MARIA, FI
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[72] DAYTON, PAUL, US
[72] FERGUSON, JOE WILLIAM, US
[72] GIL, CARLOS EDUARDO, US
[72] SANTROCK, ROBERT D., US
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[72] SMITH, W. BRET, US
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[54] **CROCHET ET MANILLE DESTINES A DES MANTEAUX DE PROTECTION DE POMPIER**
[72] BARBEAU, CLAUDE, CA
[72] ST-ARNEAULT, ERIC, CA
[73] INNOTEX INC., CA
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[54] **DISPOSITIFS DE COMMUTATION HAUTE PUISSANCE POUR APPLICATIONS DE CHAUFFAGE PAR INDUCTION**
[72] JONES, FRANKLIN B., US
[72] DONAHUE, ERIC D., US
[72] NEHRING, ANDREW I., US
[72] JONES, DANIEL T., US
[72] HUMMEL, ROBERT A., US
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[54] **DISPOSITIF DE PROFILAGE MAGNETIQUE DE PARTICULES DANS UN ECOULEMENT**
[72] KELLEY, SHANA, CA
[72] SARGENT, EDWARD, CA
[72] POUDINEH, MAHLA, CA
[72] MOHAMADI, REZA, CA
[72] ALDRIDGE, PETER, CA
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[54] **PROCEDES DE PRODUCTION DE CONSTRUCTIONS DE FOIE IN VITRO ET UTILISATIONS ASSOCIEES**
[72] ATALA, ANTHONY, US
[72] BISHOP, COLIN, US
[72] MEAD, IVY, US
[73] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
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[54] **DETECTION PAR AMPLIFICATION MULTIPLEXEE ET ISOLEMENT ET DETECTION D'ADN ISSU DE PLASMA**
[72] ALLAWI, HATIM, US
[72] LIDGARD, GRAHAM P., US
[72] AIZENSTEIN, BRIAN, US
[72] SANDER, TAMARA J., US
[72] GIAKOUMOPOULOS, MARIA, US
[72] KAISER, MICHAEL W., US
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[54] **COMPOSITIONS ANAEROBIQUEMENT DURCISSABLES**
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[72] HYNES, AIMEE, IE
[72] O'KANE, RUAIRI, IE
[72] MULLEN, DAVID, IE
[72] BERGIN, NIAMH, IE
[72] DWORAK, DAVID, US
[72] FITZPATRICK, MARTIN, IE
[72] WROBEL, PETER, IE
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[25] EN
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[54] **DISPOSITIF DE DISTRIBUTION D'ENERGIE MICRO-ONDE ET UTILISATIONS CONNEXES**
[72] THIEL, MATTHEW, US
[72] THOM, MARK, US
[72] SCHEFELKER, RICHARD W., US
[72] BISSING, JEFF, US
[72] LAZIMY, YANIV, US
[72] SCHANING, MATT, US
[72] ANDERSON, DAVE, US
[73] NEUWAVE MEDICAL, INC., US
[85] 2018-04-24
[86] 2016-10-26 (PCT/US2016/058888)
[87] (WO2017/075067)
[30] US (62/246,431) 2015-10-26

[11] **3,003,222**
[13] C
[51] **Int.Cl. F15B 11/042 (2006.01) F15B 11/044 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING A HYDRAULICALLY ACTUATED DRIVE UNIT OF A VALVE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE D'UNE UNITE D'ENTRAINEMENT A ACTIONNEMENT HYDRAULIQUE D'UN ELEMENT DE ROBINETTERIE**
[72] LITSCHKO, BJORN, DE
[73] PLEIGER MASCHINENBAU GMBH & CO. KG, DE
[85] 2018-04-25
[86] 2016-11-03 (PCT/EP2016/076543)
[87] (WO2017/076965)
[30] DE (10 2015 119 108.3) 2015-11-06

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[51] **Int.Cl. A23L 7/117 (2016.01) A23L 33/17 (2016.01) A23P 30/20 (2016.01)**
[25] EN
[54] **HIGH PROTEIN FLAKES DERIVED FROM PROTEIN PELLETS**
[54] **FLOCONS RICHES EN PROTEINE OBTENUS A PARTIR DE GRANULES DE PROTEINE**
[72] HOSSEN, MONJUR, US
[72] CHERIAN, GEORGE, US
[72] ASIF, MUHAMMAD, US
[73] KELLOGG COMPANY, US
[85] 2018-04-25
[86] 2016-11-15 (PCT/US2016/062001)
[87] (WO2017/087369)
[30] US (62/255,710) 2015-11-16

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[13] C
[51] **Int.Cl. G16C 20/70 (2019.01) G01N 33/48 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **AUTOMATED SAMPLE QUALITY ASSESSMENT**
[54] **EVALUATION AUTOMATISEE DE LA QUALITE D'UN ECHANTILLON**
[72] KENNEDY, ADAM D., US
[72] MITCHELL, MATTHEW W., US
[72] BROWN, MEREDITH V., US
[72] LAWTON, KAY A., US
[72] LONERGAN, SHAUN, US
[72] WULFF, JACOB, US
[73] METABOLON, INC., US
[85] 2018-04-30
[86] 2016-11-03 (PCT/US2016/060245)
[87] (WO2017/079384)
[30] US (62/250,627) 2015-11-04

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[13] C
[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/4427 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A SOLID STATE FORM OF PLADIENOLIDE PYRIDINE COMPOUNDS AND METHODS OF USE**
[54] **FORME D'ETAT SOLIDE DE COMPOSES DE PLADIENOLIDE-PYRIDINE ET PROCEDES POUR LEUR UTILISATION**
[72] KEANEY, GREGG F., US
[72] WANG, JOHN, US
[72] GERARD, BAUDOUIN, US
[72] ARAI, KENZO, JP
[72] LIU, XIANG, US
[72] KIRA, KAZUNOBU, JP
[72] TIVITMAHAISOON, PARCHAREE, US
[72] PRAJAPATI, SUDEEP, US
[72] KOTAKE, YOSHIHIKO, JP
[72] MIYANO, MASAYUKI, JP
[72] MURAI, NORIO, JP
[72] BUONAMICI, SILVIA, US
[72] YU, LIHUA, US
[72] PAZOLLI, ERMIRA, US
[72] ZHENG, GUO ZHU, US
[72] GEARHART, NICHOLAS C., US
[72] NAGAO, SATOSHI, JP
[72] KANADA SONABE, REGINA MIKIE, JP
[72] PARK, EUNICE SUN, US
[72] CHAN, BETTY, US
[72] SMITH, PETER G., US
[72] THOMAS, MICHAEL P., US
[72] LIM, KIAN HUAT, US
[72] CHANDA, ARANI, US
[72] ENDO, ATSUSHI, US
[73] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-05-07
[86] 2016-11-17 (PCT/US2016/062525)
[87] (WO2017/087667)
[30] US (62/257,088) 2015-11-18

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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/11 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDES FOR INDUCING PATERNAL UBE3A EXPRESSION**
[54] **OLIGONUCLEOTIDES POUR INDUIRE L'EXPRESSION PATERNELLE D'UBE3A**
[72] COSTA, VERONICA, CH
[72] HEDTJARN, MAJ, DK
[72] HOENER, MARIUS, CH
[72] JAGASIA, RAVI, CH
[72] JENSEN, MADS AABOE, DK
[72] PATSCH, CHRISTOPH, CH
[72] PEDERSEN, LYKKE, DK
[72] RASMUSSEN, SOREN VESTERGAARD, DK
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-05-09
[86] 2016-11-11 (PCT/EP2016/077383)
[87] (WO2017/081223)
[30] EP (15194367.7) 2015-11-12
[30] EP (16189502.4) 2016-09-19

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[13] C
[51] **Int.Cl. C10M 169/04 (2006.01)**
[25] EN
[54] **ZINC-FREE LUBRICATING COMPOSITION**
[54] **COMPOSITION LUBRIFIANTE DEPOURVUE DE ZINC**
[72] SUTTON, MICHAEL R., GB
[72] VINCENT, PAUL R., GB
[73] THE LUBRIZOL CORPORATION, US
[85] 2018-05-08
[86] 2016-11-10 (PCT/US2016/061369)
[87] (WO2017/083546)
[30] US (62/253,871) 2015-11-11

[11] **3,005,062**
[13] C
[51] **Int.Cl. C09K 8/32 (2006.01) E21B 21/00 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **BASE OIL COMPOSITION FOR USE IN OIL-BASE DRILLING MUD COMPOSITIONS, AND METHODS OF PRODUCING SAME**
[54] **COMPOSITION D'HUILE DE BASE A UTILISER DANS LES COMPOSITIONS DE BOUE DE FORAGE A BASE D'HUILE, ET METHODES DE PRODUCTION DE CES COMPOSITIONS**
[72] SCALLEY, MATTHEW, CA
[73] RECOVER ENERGY SERVICES INC., CA
[86] (3005062)
[87] (3005062)
[22] 2018-05-16
[30] US (62/506,851) 2017-05-16

[11] **3,005,946**
[13] C
[51] **Int.Cl. H04L 67/12 (2022.01) B64D 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REPRESENTING A LOCATION OF A FAULT IN AN AIRCRAFT CABIN**
[54] **SYSTEME ET PROCEDE POUR REPRESENTER UN EMPLACEMENT D'UNE ANOMALIE DANS UNE CABINE D'AERONEF**
[72] FAGAN, TIM, CA
[72] MURPHY, ERIN, US
[72] NANCARROW, LINSEY, US
[72] BARTENBACH, JEFF, US
[73] BOMBARDIER INC., CA
[85] 2018-05-22
[86] 2015-11-23 (PCT/IB2015/059053)
[87] (WO2017/089862)

[11] **3,006,147**
[13] C
[51] **Int.Cl. G01N 37/00 (2006.01) F27D 21/02 (2006.01) G01J 5/48 (2006.01) G01N 21/84 (2006.01) G01N 23/00 (2006.01) G03B 17/55 (2021.01) G03B 35/08 (2021.01) G03B 37/04 (2021.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THE INSPECTION OR OPERATIONAL OBSERVATION OF DANGEROUS, HARSH SPACES OR SPACES WITH HOSTILE ENVIRONMENTAL CONDITIONS**
[54] **PROCEDE ET APPAREIL D'INSPECTION OU D'OBSERVATION FONCTIONNELLE D'ESPACES DANGEREUX OU RUDES OU D'ESPACES A CONDITIONS ENVIRONNEMENTALES HOSTILES**
[72] MORI, CRISTIAN, US
[72] MEMOLI, FRANCESCO, US
[73] TENOVA S.P.A., IT
[85] 2018-05-24
[86] 2016-12-15 (PCT/EP2016/081149)
[87] (WO2017/102926)
[30] IT (102015000084673) 2015-12-17

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[13] C
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPONENTS FOR TRANSFERRING MEDICAL FLUIDS**
[54] **SYSTEMES, PROCEDES ET COMPOSANTS POUR LE TRANSFERT DE FLUIDES MEDICAUX**
[72] FANGROW, THOMAS F., US
[73] ICU MEDICAL, INC., US
[85] 2018-05-30
[86] 2016-12-01 (PCT/US2016/064467)
[87] (WO2017/096072)
[30] US (62/263,541) 2015-12-04
[30] US (62/360,900) 2016-07-11

[11] **3,007,505**
[13] C
[51] **Int.Cl. E01B 27/13 (2006.01)**
[25] EN
[54] **METHOD FOR COMPACTING THE BALLAST BED OF A TRACK, AND TAMPING UNIT**
[54] **PROCEDE DE COMPACTAGE DU LIT DE BALLAST D'UNE VOIE FERREE ET ENSEMBLE DE BOURRAGE**
[72] HOFSTATTER, JOSEF, AT
[72] PHILIPP, THOMAS, AT
[73] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2018-06-06
[86] 2016-12-29 (PCT/EP2016/002185)
[87] (WO2017/129215)
[30] AT (A 34/2016) 2016-01-26

[11] **3,008,555**
[13] C
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **DEVICE FOR PHOTODYNAMIC TREATMENT**
[54] **DISPOSITIF DE TRAITEMENT PHOTODYNAMIQUE**
[72] GJORSVIK, TORE, NO
[72] GODAL, ASLAK, NO
[72] WARREN, ROGER WILLIAM ROLFE, NZ
[73] PHOTOCURE ASA, NO
[85] 2018-06-14
[86] 2016-12-16 (PCT/EP2016/081425)
[87] (WO2017/103105)
[30] GB (1522398.5) 2015-12-18

[11] **3,008,748**
[13] C
[51] **Int.Cl. C09D 183/02 (2006.01) C04B 24/42 (2006.01) C04B 28/24 (2006.01) C09D 183/04 (2006.01)**
[25] EN
[54] **POTASSIUM SILICATE COATING COMPOSITION SYSTEM FOR CELLULOSIC ARTICLES**
[54] **SYSTEME DE COMPOSITION DE REVETEMENT DE SILICATE DE POTASSIUM POUR DES ARTICLES CELLULOSIQUES**
[72] BOSTROM, HERJE, SE
[72] GEVERT, BORJE, SE
[73] SIOO FARGKULTUR AB, SE
[85] 2018-06-15
[86] 2016-12-23 (PCT/EP2016/082562)
[87] (WO2017/109174)
[30] SE (1551715-4) 2015-12-23
[30] US (62/387,233) 2015-12-23

[11] **3,010,116**
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[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 9/08 (2006.01) H04L 9/30 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **DETERMINING A COMMON SECRET FOR THE SECURE EXCHANGE OF INFORMATION AND HIERARCHICAL, DETERMINISTIC CRYPTOGRAPHIC KEYS**
[54] **DETERMINATION D'UN SECRET COMMUN POUR L'ECHANGE SECURISE D'INFORMATIONS ET DE CLES CRYPTOGRAPHIQUES DETERMINISTES ET HIERARCHIQUES**
[72] WRIGHT, CRAIG STEVEN, GB
[72] SAVANAH, STEPHANE, GB
[73] NCHAIN HOLDINGS LIMITED, AG
[85] 2018-06-28
[86] 2017-02-16 (PCT/IB2017/050856)
[87] (WO2017/145016)
[30] GB (1603117.1) 2016-02-23
[30] GB (1619301.3) 2016-11-15

[11] **3,010,263**
[13] C
[51] **Int.Cl. G06F 3/033 (2013.01)**
[25] EN
[54] **MANAGING DISPLAYED INFORMATION ACCORDING TO USER GAZE DIRECTIONS**
[54] **GESTION DES INFORMATIONS AFFICHEES SELON LES DIRECTIONS DU REGARD DE L'UTILISATEUR**
[72] NOCHAM, ITAMAR, IL
[72] SHAHAL, AVNER, IL
[73] ELBIT SYSTEMS LTD., IL
[85] 2018-06-29
[86] 2016-12-28 (PCT/IL2016/051390)
[87] (WO2017/115365)
[30] IL (243422) 2015-12-30

[11] **3,010,565**
[13] C
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 38/16 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **FREEZE-DRIED FORMULATIONS OF ANTIBACTERIAL PROTEIN**
[54] **FORMULATIONS LYOPHILISEES DE PROTEINE ANTIBACTERIENNE**
[72] YOON, SEONG JUN, KR
[72] JUN, SOO YOUN, KR
[72] JUNG, GI MO, KR
[72] KANG, SANG HYEON, KR
[73] INTRON BIOTECHNOLOGY, INC., KR
[85] 2018-07-04
[86] 2017-01-09 (PCT/IB2017/050091)
[87] (WO2017/122114)
[30] US (62/277,588) 2016-01-12

[11] **3,010,835**
[13] C
[51] **Int.Cl. A61B 7/04 (2006.01) H03F 99/00 (2009.01) H03H 7/01 (2006.01)**
[25] EN
[54] **STETHOGRAPHIC DEVICE**
[54] **APPAREIL STETHOGRAPHIQUE**
[72] ATASHBAR, MASSOOD ZANDI, US
[72] NARAKATHU, BINU BABY, US
[72] ZHANG, XINGZHE, US
[72] MADDIPATLA, DINESH, US
[73] THE BOARD OF TRUSTEES OF WESTERN MICHIGAN UNIVERSITY, US
[86] (3010835)
[87] (3010835)
[22] 2018-07-09
[30] US (62/650,781) 2018-03-30

[11] **3,011,268**
[13] C
[51] **Int.Cl. A61B 5/107 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD FOR PROVIDING A MEASURE OF A CIRCUMFERENCE OF A BODY PART**
[54] **DISPOSITIF ET PROCEDE POUR FOURNIR UNE MESURE DE LA CIRCONFERENCE D'UNE PARTIE DU CORPS**
[72] ETTRUP, JENS, DK
[72] HARBOE, HENRIK, DK
[73] SPECIALBANDAGER.DK A/S, DK
[85] 2018-07-12
[86] 2017-01-13 (PCT/DK2017/050004)
[87] (WO2017/121434)
[30] DK (PA201670014) 2016-01-13

[11] **3,011,377**
[13] C
[51] **Int.Cl. G06F 3/01 (2006.01) A63F 13/52 (2014.01) G02B 27/00 (2006.01) G06F 3/00 (2006.01) G06F 3/03 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUGMENTED REALITY**
[54] **SYSTEMES ET PROCEDES POUR REALITE AUGMENTEE**
[72] MILLER, SAMUEL A., US
[72] WOODS, MICHAEL J., US
[72] LUNDMARK, DAVID C., US
[73] MAGIC LEAP, INC., US
[85] 2018-07-12
[86] 2017-02-06 (PCT/US2017/016722)
[87] (WO2017/136833)
[30] US (62/292,185) 2016-02-05
[30] US (62/298,993) 2016-02-23
[30] US (15/062,104) 2016-03-05

[11] **3,011,993**
[13] C
[51] **Int.Cl. A61N 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR PERIPHERAL NEUROMODULATION FOR TREATING DISEASES RELATED TO OVERACTIVE BLADDER**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE NEUROMODULATION PERIPHERIQUE POUR LE TRAITEMENT DE MALADIES ASSOCIEES A UNE HYPERACTIVITEVESICALE**
[72] WONG, SERENA HANYING, US
[72] ROSENBLUTH, KATHRYN H., US
[72] HAMNER, SAMUEL RICHARD, US
[72] LIN, PETER, US
[72] PLESS, BENJAMIN, US
[73] CALA HEALTH, INC., US
[85] 2018-07-18
[86] 2017-01-20 (PCT/US2017/014431)
[87] (WO2017/132067)
[30] US (62/281,606) 2016-01-21
[30] US (62/352,462) 2016-06-20
[30] US (62/365,326) 2016-07-21

[11] **3,012,278**
[13] C
[51] **Int.Cl. A61B 3/113 (2006.01) A61B 3/10 (2006.01) G02C 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING AN OPHTHALMIC LENS ADAPTED TO A LOCOMOTION PARAMETER**
[54] **PROCEDE DE DETERMINATION D'UNE LENTILLE OPHTALMIQUE ADAPTEE A UN PARAMETRE DE LOCOMOTION**
[72] TRANVOUEZ-BERNARDIN, DELPHINE, FR
[72] BARANTON, KONOGAN, FR
[72] POULAIN, ISABELLE, FR
[72] CALIXTE, LAURENT, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2018-07-23
[86] 2017-03-09 (PCT/EP2017/055578)
[87] (WO2017/157760)
[30] EP (16305279.8) 2016-03-15

[11] **3,012,573**
[13] C
[51] **Int.Cl. H02G 3/22 (2006.01) B23B 45/00 (2006.01) B23B 47/02 (2006.01) B25J 1/02 (2006.01) B25J 17/02 (2006.01) B25J 18/00 (2006.01)**
[25] EN
[54] **SNAKE-LIKE ROBOT**
[54] **ROBOT DU TYPE SERPENT**
[72] BILSKY, MATTHEW, US
[73] FLX SOLUTIONS, INC., US
[85] 2018-07-23
[86] 2016-10-06 (PCT/US2016/055791)
[87] (WO2017/062648)
[30] US (62/237,987) 2015-10-06
[30] US (62/278,487) 2016-01-14

[11] **3,016,503**
[13] C
[51] **Int.Cl. B23K 37/04 (2006.01) B23P 11/00 (2006.01)**
[25] EN
[54] **TOOL FOR FACILITATING REMOVAL OF A BROKEN EXHAUST MANIFOLD STUD FROM A CYLINDER HEAD AND METHOD OF USING SAME**
[54] **OUTIL SERVANT A FACILITER LE RETRAIT D'UN MONTANT DE COLLECTEUR D'ECHAPPEMENT BRISE D'UNE TETE DE CYLINDRE ET METHODE D'UTILISATION ASSOCIEE**
[72] ROBERTO, MARCO, CA
[72] ROBERTO, CARLO, CA
[73] GESTIONS ROBERTO INC., CA
[86] (3016503)
[87] (3016503)
[22] 2018-09-05
[30] GB (1715542.5) 2017-09-22

[11] **3,016,529**
[13] C
[51] **Int.Cl. B63H 20/02 (2006.01) B63H 21/20 (2006.01) B63H 25/42 (2006.01)**
[25] EN
[54] **STERN-MOUNTED LATERAL MARINE THRUSTER**
[54] **PROPULSEUR MARIN LATERAL MONTE A LA POUPE**
[72] GRIFFIN, ROB, CA
[72] HOULE, MARK, CA
[73] SIDESHIFT INC., CA
[86] (3016529)
[87] (3016529)
[22] 2018-09-05
[30] CA (3,012,297) 2018-07-25

[11] **3,017,022**
[13] C
[51] **Int.Cl. H01M 12/08 (2006.01) H01M 10/39 (2006.01)**
[25] EN
[54] **APPARATUS FOR STORING ELECTRIC ENERGY AND METHOD OF OPERATING THE APPARATUS**
[54] **PROCEDE D'ACCUMULATION D'ENERGIE ELECTRIQUE ET PROCEDE DE FONCTIONNEMENT DU DISPOSITIF**
[72] HEIDEBRECHT, PETER, DE
[72] BAYER, DOMNIK, DE
[72] JABCZYNSKI, WOLFGANG, DE
[72] ZERPA UNDA, JESUS ENRIQUE, DE
[72] DUERR, ANNA KATHARINA, DE
[73] BASF SE, DE
[85] 2018-09-06
[86] 2017-03-03 (PCT/EP2017/055067)
[87] (WO2017/153292)
[30] EP (16159091.4) 2016-03-08

[11] **3,018,050**
[13] C
[51] **Int.Cl. G21C 5/18 (2006.01) G21C 19/20 (2006.01) G21D 1/00 (2006.01)**
[25] EN
[54] **INTER-MODULE FUEL SHUFFLING**
[54] **REARRANGEMENT DE COMBUSTIBLE INTER-MODULE**
[72] KITTO, ALLYSON, US
[72] INGERSOLL, DANIEL, US
[72] REYES, JOSE N., JR., US
[73] NUSCALE POWER, LLC, US
[85] 2018-09-17
[86] 2017-03-01 (PCT/US2017/020169)
[87] (WO2017/184259)
[30] US (62/314,523) 2016-03-29
[30] US (15/445,186) 2017-02-28

[11] **3,018,131**
[13] C
[51] **Int.Cl. A61K 8/34 (2006.01) A01N 31/04 (2006.01) A01N 31/08 (2006.01) A01N 33/12 (2006.01) A01N 57/12 (2006.01) A61K 8/55 (2006.01) A61K 31/045 (2006.01) A61K 31/05 (2006.01) A61K 31/685 (2006.01) A61P 31/02 (2006.01) A61Q 17/00 (2006.01) A61Q 19/10 (2006.01) C11D 3/48 (2006.01)**
[25] EN
[54] **AN ANTIMICROBIAL COMPOSITION COMPRISING THYMOL, TERPINEOL AND A CATIONIC PHOSPHOLIPID**
[54] **COMPOSITION ANTIMICROBIENNE COMPRENANT DU THYMOL, DU TERPINEOL ET UN PHOSPHOLIPIDE CATIONIQUE**
[72] DASGUPTA, ANINDYA, IN
[72] GU, QIONG, CN
[72] HERMANSON, KEVIN DAVID, US
[72] MOADDEL, TEANOOSH, US
[72] SALGAONKAR, NEHA, IN
[72] SHEN, BO, CN
[72] QIU, QIANG, US
[73] UNILEVER GLOBAL IP LIMITED, GB
[85] 2018-09-18
[86] 2017-03-30 (PCT/EP2017/057610)
[87] (WO2017/178240)
[30] CN (PCT/CN2016/079293) 2016-04-14
[30] EP (16176486.5) 2016-06-27

[11] **3,020,933**
[13] C
[51] **Int.Cl. A61K 31/122 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC COMPOSITIONS FOR TREATING PANCREATIC CANCER**
[54] **COMPOSITIONS THERAPEUTIQUES DESTINEES AU TRAITEMENT DU CANCER DU PANCREAS**
[72] LIU, SHENG-YUNG, TW
[72] CHEN, CHIH-MING, TW
[73] GOLDEN BIOTECHNOLOGY CORPORATION, US
[86] (3020933)
[87] (3020933)
[22] 2018-10-15
[30] US (62/608,549) 2017-12-20

[11] **3,021,367**
[13] C
[51] **Int.Cl. H04W 40/22 (2009.01) H04W 8/26 (2009.01) H04W 24/00 (2009.01) H04L 43/0811 (2022.01) H04L 43/0888 (2022.01) H04L 43/16 (2022.01) H04L 61/4511 (2022.01) H04L 61/5007 (2022.01) H04L 61/5014 (2022.01) H04L 69/14 (2022.01) H04L 61/103 (2022.01) H04L 61/2514 (2022.01) H04L 61/2517 (2022.01) H04L 61/256 (2022.01) H04L 61/2592 (2022.01)**
[25] EN
[54] **USING WLAN CONNECTIVITY OF A WIRELESS DEVICE**
[54] **UTILISATION DE LA CONNECTIVITE WLAN D'UN DISPOSITIF SANS FIL**
[72] BARRETT, STEPHEN JOHN, GB
[72] MCCANN, STEPHEN, GB
[72] RUSSELL, NICHOLAS JAMES, GB
[72] CHRONQVIST, ANDERS FREDRIK, SE
[73] BLACKBERRY LIMITED, CA
[85] 2018-09-14
[86] 2017-05-16 (PCT/CA2017/050593)
[87] (WO2017/197516)
[30] US (15/160,126) 2016-05-20

[11] **3,022,771**
[13] C
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **SMART POWER SUPPLY**
[54] **ALIMENTATION ELECTRIQUE INTELLIGENTE**
[72] HACKL, DANIEL PATRICK, CA
[73] SAVOX COMMUNICATIONS OY AB (LTD), FI
[85] 2018-10-31
[86] 2017-05-04 (PCT/FI2017/050342)
[87] (WO2017/191368)
[30] FI (20165385) 2016-05-04

[11] **3,023,389**
[13] C
[51] **Int.Cl. A01G 23/083 (2006.01) A01G 23/091 (2006.01)**
[25] EN
[54] **A TREE HARVESTING MACHINE, A TREE HARVESTING MONITORING SYSTEM, A TREE HARVESTING HEAD, A METHOD FOR CONTROLLING OPERATION OF A TREE HARVESTING HEAD AND A METHOD FOR MONITORING OPERATION OF A TREE HARVESTING MACHINE**
[54] **ABATTEUSE-EBRANCHEUSE, SYSTEME DE SURVEILLANCE D'ABATTAGE-EBRANCHAGE, TETE D'ABATTAGE-EBRANCHAGE, PROCEDE DE COMMANDE DE FONCTIONNEMENT D'UNE TETE D'ABATTAGE-EBRANCHAGE, ET PROCEDE DE SURVEILLANCE DE FONCTIONNEMENT D'ABATTEUSE-EBRANCHEUSE**
[72] ELIASSON, MIKAEL, SE
[73] LOG MAX AB, SE
[85] 2018-11-06
[86] 2017-05-10 (PCT/EP2017/061112)
[87] (WO2017/198504)
[30] SE (1650663-6) 2016-05-17

[11] **3,023,759**
[13] C
[51] **Int.Cl. A61J 9/06 (2006.01)**
[25] EN
[54] **A CONTAINER GRIPPING AID**
[54] **AIDE DE PREHENSION DE RECIPIENT**
[72] MORAN, OLLWYN AGNES, IE
[73] MORAN, OLLWYN AGNES, IE
[85] 2018-11-09
[86] 2016-05-11 (PCT/EP2016/060576)
[87] (WO2016/180887)
[30] IE (S2015/0144) 2015-05-11

[11] **3,024,001**
[13] C
[51] **Int.Cl. A61K 8/34 (2006.01) A61Q 7/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR PROMOTING HAIR GROWTH AND/OR INHIBITING OR DELAYING HAIR LOSS IN HUMANS, AND COMPOSITIONS FOR SUCH USES**
[54] **COMPOSES POUR STIMULER LA CROISSANCE DES CHEVEUX ET/OU INHIBER OU RETARDER LA CHUTE DES CHEVEUX CHEZ L'HOMME, ET COMPOSITIONS POUR DE TELLES UTILISATIONS**
[72] PAUS, RALF, DE
[72] CHERET, JEREMY, DE
[72] HATT, HANNS, DE
[72] BARONI, SERGIO, IT
[73] GIULIANI S.P.A., IT
[85] 2018-11-13
[86] 2017-05-19 (PCT/EP2017/062110)
[87] (WO2017/198818)
[30] IT (102016000051626) 2016-05-19

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[13] C
[51] **Int.Cl. F23L 17/00 (2006.01) F04D 25/08 (2006.01) F16L 25/04 (2006.01) F23L 17/16 (2006.01) F23N 3/08 (2006.01)**
[25] EN
[54] **DIRECT VENT DILUTION AIR CONNECTION SYSTEM**
[54] **SYSTEME DE CONNEXION D'AIR DE DILUTION D'EVENT DIRECT**
[72] SMITH, MICHAEL D., US
[73] REGAL BELOIT AMERICA, INC., US
[86] (3024582)
[87] (3024582)
[22] 2018-11-19
[30] US (15/830,567) 2017-12-04

[11] **3,024,863**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 34/02 (2006.01)**
[25] EN
[54] **HYDRAULIC FRACTURING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FRACTURATION HYDRAULIQUE**
[72] CIEZOBKA, JORDAN, US
[72] MAITY, DEBOTYAM, US
[72] SALEHI, IRAJ, US
[73] GAS TECHNOLOGY INSTITUTE, US
[85] 2018-11-19
[86] 2017-05-22 (PCT/US2017/033813)
[87] (WO2017/201526)
[30] US (62/339,233) 2016-05-20
[30] US (15/445,044) 2017-02-28
[30] US (15/464,939) 2017-03-21
[30] US (15/600,155) 2017-05-19

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[51] **Int.Cl. C07C 51/09 (2006.01) C07C 51/43 (2006.01) C07C 51/44 (2006.01) C07C 55/02 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF PURIFIED DICARBOXYLIC ACIDS**
[54] **PROCEDE DE PREPARATION D'ACIDES DICARBOXYLIQUES PURIFIES**
[72] CAPUZZI, LUIGI, IT
[72] DIGIOIA, FRANCESCA, IT
[73] NOVAMONT S.P.A., IT
[85] 2018-11-22
[86] 2017-06-05 (PCT/EP2017/063617)
[87] (WO2017/211766)
[30] IT (102016000057753) 2016-06-06

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[51] **Int.Cl. A61K 31/352 (2006.01) A23L 5/00 (2016.01) A61K 8/00 (2006.01) A61P 31/04 (2006.01) D21H 25/00 (2006.01)**
[25] EN
[54] **CANNABIDIOL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE CANNABIDIOL ET LEURS UTILISATIONS**
[72] AESCHBACH, RODIN, CH
[73] PHARMOTECH SA, CH
[85] 2018-11-28
[86] 2017-06-01 (PCT/EP2017/063385)
[87] (WO2017/207730)
[30] EP (16172574.2) 2016-06-02

[11] **3,026,092**
[13] C
[51] **Int.Cl. B61B 10/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE TRANSFER MECHANISM FOR CONVEYORS**
[54] **MECANISME DE TRANSFERT AJUSTABLE DESTINE A DES CONVOYEURS**
[72] ANDREAE, BRADLEY S., US
[72] SCOVILLE, ANTHONY C., US
[73] SST SYSTEMS, INC., US
[86] (3026092)
[87] (3026092)
[22] 2018-11-30
[30] US (62/594,205) 2017-12-04

[11] **3,026,380**
[13] C
[51] **Int.Cl. C09K 8/54 (2006.01) C23F 11/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CORROSION INHIBITOR MONITORING**
[54] **COMPOSITIONS ET PROCEDES DE SUIVI D'INHIBITEURS DE CORROSION**
[72] MOLONEY, JEREMY, US
[72] KUNDU, KOUSIK, US
[73] ECOLAB USA INC., US
[85] 2018-12-03
[86] 2017-06-08 (PCT/US2017/036540)
[87] (WO2017/214385)
[30] US (62/348,375) 2016-06-10

[11] **3,027,580**
[13] C
[51] **Int.Cl. G01F 11/08 (2006.01) B05B 11/04 (2006.01)**
[25] EN
[54] **PUMP HEAD AND METERING DEVICE**
[54] **TETE DE POMPAGE ET DISPOSITIF DE DOSAGE**
[72] LEE, HYECK-HEE, DE
[72] STEINFELD, UTE, DE
[72] MAHLER, MARKUS, DE
[72] HOLZER, FRANK, DE
[73] F. HOLZER GMBH, DE
[85] 2018-12-13
[86] 2017-06-01 (PCT/EP2017/063346)
[87] (WO2018/010890)
[30] DE (10 2016 212 892.2) 2016-07-14

[11] **3,029,050**
[13] C
[51] **Int.Cl. G01N 15/1404 (2024.01) B05B 1/00 (2006.01) G01N 15/149 (2024.01)**
[25] EN
[54] **NOZZLE ASSEMBLY FOR A FLOW CYTOMETER SYSTEM AND METHODS OF MANUFACTURE**
[54] **ENSEMBLE BUSE D'UN SYSTEME DE CYTOMETRE DE FLUX ET PROCEDES DE FABRICATION**
[72] BUCHANAN, KRIS, US
[72] SHARPE, JOHNATHAN CHARLES, NZ
[72] EVANS, KENNETH MICHAEL, US
[73] INGURAN, LLC, US
[86] (3029050)
[87] (3029050)
[22] 2013-03-14
[62] 2,885,170
[30] US (61/703102) 2012-09-19

[11] **3,030,182**
[13] C
[51] **Int.Cl. G06F 1/3206 (2019.01) G06F 1/3296 (2019.01)**
[25] EN
[54] **TRIGGERING TRANSITION OF A DEVICE BETWEEN STATES**
[54] **DECLENCHEMENT D'UNE TRANSITION D'UN DISPOSITIF ENTRE DES ETATS**
[72] CHENNAKESHU, SANDEEP, US
[72] BENNETT, JESSE WILLIAM, US
[72] DILL, SCOTT LEONARD, CA
[73] BLACKBERRY LIMITED, CA
[85] 2019-01-07
[86] 2017-07-31 (PCT/US2017/044674)
[87] (WO2018/031279)
[30] US (15/231,456) 2016-08-08

[11] **3,030,228**
[13] C
[51] **Int.Cl. C08L 101/02 (2006.01) H01M 8/0271 (2016.01) C08L 23/22 (2006.01) C08L 83/05 (2006.01) F16J 15/14 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **CURABLE RESIN COMPOSITION, CURED PRODUCT, FUEL CELL, AND SEALING METHOD**
[54] **COMPOSITION DE RESINE DURCISSABLE, ARTICLE DURCI, PILE A COMBUSTIBLE, ET PROCEDE D'ETANCHEITE**
[72] SOGA, TETSUNORI, JP
[73] THREEBOND CO., LTD., JP
[85] 2019-01-08
[86] 2017-07-14 (PCT/JP2017/025803)
[87] (WO2018/012631)
[30] JP (2016-139077) 2016-07-14

[11] **3,031,140**
[13] C
[51] **Int.Cl. C08F 10/10 (2006.01) C08F 4/12 (2006.01) C08F 4/14 (2006.01) C08F 4/18 (2006.01) C08F 4/26 (2006.01)**
[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
[72] BERAZIANKA, IVAN, BY
[73] BASF SE, DE
[85] 2019-01-17
[86] 2017-07-14 (PCT/EP2017/067892)
[87] (WO2018/015306)
[30] EP (16180673.2) 2016-07-22

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[51] **Int.Cl. B01J 23/68 (2006.01) B01J 23/652 (2006.01) B01J 29/03 (2006.01) B01J 37/03 (2006.01) C07D 301/03 (2006.01)**
[25] EN
[54] **CATALYSTS UTILIZING CARBON DIOXIDE FOR THE EPOXIDATION OF OLEFINS**
[54] **CATALYSEURS UTILISANT DU DIOXYDE DE CARBONE POUR L'EPOXYDATION D'OLEFINES**
[72] LAIL, MARTY, US
[72] MOBLEY, PAUL, US
[72] PETERS, JONATHAN, US
[72] AKUNURI, SREE NANDITA, US
[72] HLEBAK, JOSHUA J., US
[73] RESEARCH TRIANGLE INSTITUTE, US
[85] 2019-01-24
[86] 2017-07-26 (PCT/US2017/043921)
[87] (WO2018/022740)
[30] US (62/366,795) 2016-07-26

[11] **3,032,039**
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[51] **Int.Cl. C10G 3/00 (2006.01) C07C 51/47 (2006.01) C10G 25/00 (2006.01) C10G 25/02 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING HYDROCARBON COMPOSITIONS WITH REDUCED ACID NUMBER AND FOR ISOLATING SHORT CHAIN FATTY ACIDS**
[54] **PROCEDES DE PRODUCTION DE COMPOSITIONS D'HYDROCARBURES A INDICE D'ACIDITE REDUIT ET D'ISOLEMENT D'ACIDES GRAS A CHAINE COURTE**
[72] BRESSLER, DAVID, CA
[73] FORGE HYDROCARBONS CORPORATION, CA
[85] 2019-01-25
[86] 2017-07-21 (PCT/IB2017/001072)
[87] (WO2018/020321)
[30] US (62/366,278) 2016-07-25

[11] **3,033,389**
[13] C
[51] **Int.Cl. F21V 1/14 (2006.01) F21K 9/00 (2016.01) F21V 17/00 (2006.01)**
[25] EN
[54] **DIFFUSE LIGHTING DEVICES**
[54] **DISPOSITIFS D'ECLAIRAGE DIFFUS**
[72] MACALLEN, TODD P., CA
[72] FORSYTHE, STEPHANIE J., CA
[73] MOLO DESIGN, LTD., CA
[86] (3033389)
[87] (3033389)
[22] 2019-02-11
[30] US (62/799,389) 2019-01-31

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[51] **Int.Cl. H02M 7/04 (2006.01) H02M 1/08 (2006.01) H02M 3/00 (2006.01) H02M 7/06 (2006.01)**
[25] EN
[54] **LINE POWER EXTENSION FOR CAPACITOR SIZE REPRODUCTION IN AC-DC CONVERTERS**
[54] **EXTENSION DE PUISSANCE DE LIGNE DESTINEE A LA REPRODUCTION DE LA TAILLE D'UN CONDENSATEUR DANS LES CONVERTISSEURS CA-CC**
[72] CHEN, YANG, CA
[72] LIU, YAN-FEI, CA
[73] QUEEN'S UNIVERSITY AT KINGSTON, CA
[86] (3034422)
[87] (3034422)
[22] 2019-02-20
[30] US (62/632,464) 2018-02-20

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[13] C
[51] **Int.Cl. G06Q 50/20 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTI-INSTITUTIONAL OPTIMIZATION FOR A CANDIDATE APPLICATION SYSTEM**
[54] **SYSTEME ET PROCEDE D'OPTIMISATION PLURI-INSTITUTIONNELLE POUR SYSTEME DEDEMANDES DES CANDIDATS**
[72] ALDWORTH, MICHAEL, CA
[72] GLASSFORD, JEFFREY, CA
[72] HESCH, WAYNE EDWARD JASON, CA
[72] O'SHEA, DARREN MACKENZIE, CA
[72] PROVENCHER, MARC ANDREW, CA
[72] ROBINSON, SHAWN MAURICE, CA
[72] SANGHERA, ALISHA, CA
[72] SCHNEIDER, KEVIN MICHAEL, CA
[72] WHITELEY, TUDOR ALEXANDER, CA
[72] WILLIAMSON, MICHAEL ARMAN, CA
[73] OCAS., CA
[86] (3035049)
[87] (3035049)
[22] 2019-02-27
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[51] **Int.Cl. G06F 16/26 (2019.01) G06F 16/16 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **REAL-TIME DOCUMENT FILTERING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE FILTRAGE DE DOCUMENTS EN TEMPS REEL**
[72] PATERSON, GORDON SCOTT, CA
[72] BRADLEY, MICHAEL, CA
[72] ROSENBERG, BRAD, CA
[72] KO, KA FU, CA
[73] FUTUREVAULT INC., CA
[85] 2019-02-27
[86] 2017-02-28 (PCT/CA2017/050259)
[87] (WO2018/039772)
[30] US (62/383,293) 2016-09-02

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[51] **Int.Cl. C10L 3/10 (2006.01)**
[25] EN
[54] **PRETREATMENT OF NATURAL GAS PRIOR TO LIQUEFACTION**
[54] **PRETRAITEMENT DE GAZ NATUREL AVANT LIQUEFACTION**
[72] GASKIN, THOMAS K., US
[72] YAMIN, FEREIDOUN, US
[72] GUVELIOGLU, GALIP, US
[72] PALACIOS, VANESSA, US
[73] LUMMUS TECHNOLOGY INC., US
[85] 2019-03-05
[86] 2017-04-06 (PCT/US2017/026464)
[87] (WO2018/048478)
[30] US (15/257,100) 2016-09-06

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[51] **Int.Cl. A61K 38/13 (2006.01) A61K 9/00 (2006.01) A61K 47/06 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **OPHTHALMIC COMPOSITIONS COMPRISING CICLOSPORIN**
[54] **COMPOSITIONS OPHTALMIQUES CONTENANT DE LA CYCLOSPORINE**
[72] LOSCHER, FRANK, DE
[72] GRILLENBERGER, RALF, DE
[72] ENGBLOM, JOHAN, SE
[73] NOVALIQ GMBH, DE
[85] 2019-03-08
[86] 2017-09-22 (PCT/EP2017/074079)
[87] (WO2018/055101)
[30] EP (16190431.3) 2016-09-23

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[51] **Int.Cl. G06K 19/07 (2006.01) G06K 19/077 (2006.01) H01Q 1/04 (2006.01)**
[25] EN
[54] **IDENTIFICATION SENSOR FOR STRUCTURES BURIED AT GREAT DEPTH**
[54] **CAPTEUR D'IDENTIFICATION POUR OUVRAGES ENFOUIS A GRANDE PROFONDEUR**
[72] LE BASTARD, LUDOVIC, FR
[72] NIVON, THIERRY, FR
[72] PALOMARES, MARC, FR
[73] ELIOT INNOVATIVE SOLUTIONS S.A.S., FR
[85] 2019-03-14
[86] 2017-09-22 (PCT/EP2017/074142)
[87] (WO2018/055141)
[30] FR (16/01392) 2016-09-23

[11] **3,038,687**
[13] C
[51] **Int.Cl. C08K 3/22 (2006.01) B29C 35/02 (2006.01) B60C 1/00 (2006.01) C08F 210/02 (2006.01) C08J 3/24 (2006.01) C08J 5/00 (2006.01) C08K 3/06 (2006.01) C08K 5/00 (2006.01) C08K 9/04 (2006.01) C08L 7/00 (2006.01) C08L 9/06 (2006.01) C08L 23/22 (2006.01) C08L 25/06 (2006.01) C09C 1/28 (2006.01) C09J 123/08 (2006.01) D21D 1/34 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING DREGS, TREATED DREGS, USE THEREOF, PROCESS FOR VULCANIZING RUBBER, AND VULCANIZED RUBBER**
[54] **PROCEDE DE TRAITEMENT DE RESIDU, RESIDU TRAITE, SON UTILISATION, PROCEDE DE VULCANISATION DE CAOUTCHOUC, ET CAOUTCHOUC VULCANISE**
[72] SCODRO, SANDRO ANTONIO, BR
[73] OXITEC PARTICIPACAO E GESTAO DE ATIVOS NAO FINANCEIROS LTDA., BR
[85] 2019-03-28
[86] 2017-09-27 (PCT/BR2017/050283)
[87] (WO2018/058219)
[30] BR (BR102016022898-0) 2016-09-30

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[13] C
[51] **Int.Cl. F17C 13/00 (2006.01) F16L 41/16 (2006.01) F17D 5/00 (2006.01)**
[25] EN
[54] **VESSEL AND PIPELINE INSERTION TOOL**
[54] **RECIPIENT ET OUTIL D'INSERTION DE PIPELINE**
[72] NOWAK, DAVID, US
[72] PLISKA, NATHAN, US
[73] SENTRY EQUIPMENT CORP., US
[86] (3040389)
[87] (3040389)
[22] 2019-04-16
[30] US (16/361,872) 2019-03-22

[11] **3,042,791**
[13] C
[51] **Int.Cl. F16M 13/02 (2006.01) B25B 5/04 (2006.01) B25B 5/10 (2006.01) F16B 2/10 (2006.01)**
[25] EN
[54] **POLE CLAMP**
[54] **PINCE DE POTEAU**
[72] HERMANN, CARL, US
[72] CAYWOOD, RONALD JESSE, US
[73] GCX CORPORATION, US
[86] (3042791)
[87] (3042791)
[22] 2019-05-09
[30] US (16/001,583) 2018-06-06

[11] **3,043,258**
[13] C
[51] **Int.Cl. B66F 3/35 (2006.01) B66F 5/04 (2006.01) E04F 21/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR POSITIONING AN OBJECT RELATIVELY TO A SUPPORT BY INFLATABLE AIR CUSHION MEMBERS**
[54] **METHODE ET DISPOSITIF POUR POSITIONNER UN OBJET RELATIVEMENT A UN SUPPORT AU MOYEN D'ELEMENTS DE COUSSINS GONFLABLES**
[72] DISSING, CLAUS HORNSTRUP, DK
[73] DISSING A/S, DK
[85] 2019-05-08
[86] 2017-11-10 (PCT/DK2017/050368)
[87] (WO2018/086668)
[30] DK (PA 2016 70897) 2016-11-11
[30] US (62/420,638) 2016-11-11

[11] **3,043,683**
[13] C
[51] **Int.Cl. E03D 9/00 (2006.01)**
[25] EN
[54] **TOILET ANTI-SPLASH DEVICE**
[54] **DISPOSITIF ANTI-ECLABOUSSURES POUR TOILETTES**
[72] MOSCOVITS, SHAHAR, IL
[72] MOSKOVICH, DORON, IL
[73] MOSKOVITS INVENTIONS LTD., IL
[85] 2019-05-13
[86] 2017-12-14 (PCT/IL2017/051349)
[87] (WO2018/109768)
[30] IL (249611) 2016-12-16

[11] **3,043,998**
[13] C
[51] **Int.Cl. C01B 35/00 (2006.01) C01B 35/10 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR MAKING PICOCRYSTALLINE ARTIFICIAL BORANE ATOMS**
[54] **COMPOSITION ET PROCEDE DE PREPARATION D'ATOMES BORANES ARTIFICIELS PICOCRISTALLINS**
[72] CURRAN, PATRICK, US
[73] SEMINUCLEAR, INC., US
[85] 2019-05-15
[86] 2016-11-29 (PCT/US2016/063933)
[87] (WO2018/101905)

[11] **3,044,076**
[13] C
[51] **Int.Cl. B03C 1/12 (2006.01) B03C 1/06 (2006.01)**
[25] EN
[54] **PLANAR MAGNETIC SEPARATOR**
[54] **SEPARATEUR MAGNETIQUE PLAT**
[72] KELSEY, CHRISTOPHER GEORGE, AU
[73] CYCLOMAG PTY LIMITED, AU
[85] 2019-05-16
[86] 2017-11-28 (PCT/AU2017/051306)
[87] (WO2018/112509)
[30] AU (2016905260) 2016-12-20
[30] AU (2017900466) 2017-02-14

[11] **3,044,217**
[13] C
[51] **Int.Cl. H01F 41/06 (2016.01) G05B 19/042 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MANUFACTURING CONTINUOUSLY TRANSPOSED CABLE USING MULTIPLE LINEAR ACTUATORS**
[54] **APPAREIL ET PROCEDE DE FABRICATION DE CABLE A CONDUCTEURS TRANSPOSES EN CONTINU AU MOYEN DE PLUSIEURS ACTIONNEURS LINEAIRES**
[72] PARK, SUN GI, KR
[73] SAM DONG CO., LTD., KR
[73] PARK, SUN GI, KR
[85] 2019-05-16
[86] 2016-11-08 (PCT/KR2016/012777)
[87] (WO2017/086641)
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[54] **ANTICORPS ANTI-CD300F ET SES UTILISATIONS**
[72] HART, DEREK NIGEL JOHN, AU
[72] CLARK, GEORGINA JANE, AU
[72] GASIOROWSKI, ROBIN, AU
[73] DENDROCYTE BIOTECH PTY LTD, AU
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[54] **INHIBITORS OF INFLUENZA VIRUS REPLICATION AND USES THEREOF**
[54] **INHIBITEURS DE REPLICATION DU VIRUS DE LA GRIPPE ET UTILISATIONS ASSOCIEES**
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[72] REN, QINGYUN, CN
[72] YIN, JUNJUN, CN
[72] YI, KAI, CN
[72] LEI, YIBO, CN
[72] WANG, YEJUN, CN
[72] ZHANG, YINGJUN, CN
[73] SUNSHINE LAKE PHARMA CO., LTD., CN
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[54] **INTEGRATED CASTING CORE-SHELL STRUCTURE FOR MAKING CAST COMPONENT WITH NON-LINEAR HOLES**
[54] **STRUCTURE DE MOULAGE A NOYAU-COQUE INTEGRES PERMETTANT DE FABRIQUER UN COMPOSANT COULE POURVU DE TROUS NON LINEAIRES**
[72] GARAY, GREGORY TERRENCE, US
[72] YANG, XI, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **INTEGRATED CASTING CORE-SHELL STRUCTURE AND FILTER FOR MAKING CAST COMPONENT**
[54] **STRUCTURE COEUR-ECORCE DE COULEE INTEGREE ET FILTRE POUR LA FABRICATION D'UN COMPOSANT COULE**
[72] YANG, XI, US
[72] DEINES, JAMES HERBERT, US
[72] MCCARREN, MICHAEL JOHN, US
[72] PRZESLAWSKI, BRIAN DAVID, US
[72] PETERSON, BRIAN PATRICK, US
[72] GARAY, GREGORY TERRENCE, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **CODES POLAIRES A BITS GELES DYNAMIQUES**
[72] LI, JIAN, US
[72] XU, CHANGLONG, US
[72] WEI, CHAO, US
[72] HOU, JILEI, US
[72] JIANG, JING, US
[73] QUALCOMM INCORPORATED, US
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[54] **RELAY PLATFORM FOR COMMUNICATING TELEMETRY DATA FROM ONE OR MORE MOVING OBSERVATION SATELLITE(S) TO THE GROUND**
[54] **PLATEFORME-RELAIS DE COMMUNICATION DE DONNEES DE TELEMESURES DEPUIS UN OU PLUSIEURS SATELLITE(S) D'OBSERVATION DEFILANT(S) VERS LE SOL**
[72] MARTINERIE, FRANCIS, FR
[72] SAINCT, HERVE, FR
[72] TARIDE, SERGE, FR
[72] GAYRARD, JEAN DIDIER, FR
[73] THALES, FR
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[54] **COMPOSITION LUBRIFIANTE COMPORTANT UNE NAPHTYLAMINE ALKYLEE**
[72] HANTHORN, JASON J., US
[72] ZHANG, YANSHI, US
[73] THE LUBRIZOL CORPORATION, US
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[54] **AN ARRANGEMENT AND METHOD FOR LOCKING A CABINET OF A VEHICLE**
[54] **CONFIGURATION ET METHODE POUR VERROUILLER UNE ARMOIRE D'UN VEHICULE**
[72] VEDHOLM, JONAS, SE
[73] BOMBARDIER TRANSPORTATION GMBH, DE
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[54] **DEVICE FOR SAFE POSITIONING A CORONARY STENT WITHIN CORONARY ARTERIES AND METHOD THEREFOR**
[54] **DISPOSITIF ET PROCEDE DE POSITIONNEMENT SECURISE D'UN STENT CORONAIRE DANS DES ARTERES CORONAIRES**
[72] TRAPEZNIKOV, VLADIMIR BORISOVICH, RU
[73] SEVEN SONS LTD. R.N. 515985570 (THE "COMPANY"), IL
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[54] **INTEGRATED SURFACE PROTECTION SYSTEM, COMPOSITE STRUCTURE, AND METHOD FOR PROTECTING THE SAME**
[54] **SYSTEME INTEGRE DE PROTECTION DE SURFACE, STRUCTURE COMPOSITE ET PROCEDE POUR LA PROTECTION DE CELLE-CI**
[72] AYYADURAI, MARY S., US
[72] KOLTENBAH, BENJAMIN E. C., US
[72] LE, QUYNHGIAO N., US
[73] THE BOEING COMPANY, US
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[54] **PHASE TRACKING REFERENCE SIGNAL PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAL DE REFERENCE DE SUIVI DE PHASE**
[72] ZHANG, XI, CN
[72] LIU, FENGWEI, CN
[72] CHEN, LEI, CN
[72] XU, MINGHUI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CARBONATE DE CALCIUM FONCTIONNALISE POUR AMPLIFICATION DE PROTECTION SOLAIRE**
[72] BUDDE, TANJA, CH
[72] HECKER, ANAIS, CH
[73] OMYA INTERNATIONAL AG, CH
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[54] **APPARATUS AND METHOD FOR MEASURING FLUID CONSUMPTION**
[54] **APPAREIL ET PROCEDE DE MESURE DE CONSOMMATION DE FLUIDE**
[72] MEBBERSON, NICHOLAS, AU
[73] PURATAP PTY LTD, AU
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[54] **HIGHLY POLYUNSATURATED FATTY ACID-CONTAINING CHOCOLATE-LIKE FOOD PRODUCT WHEREIN GENERATION OF OFF-FLAVOR IS SUPPRESSED**
[54] **PRODUIT ALIMENTAIRE DE TYPE CHOCOLAT CONTENANT UN ACIDE GRAS HAUTEMENT POLYINSATURE, DANS LEQUEL LA PRODUCTION D'UN MAUVAIS GOUT EST SUPPRIMEE**
[72] ISHIWATA, AKIYUKI, JP
[72] MORIKAWA, MIWAKO, JP
[72] KATO, MASAHARU, JP
[72] YOSHINO, YURIKO, JP
[73] FUJI OIL HOLDINGS INC., JP
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[54] **PRIORITIZED REMEDIATION OF INFORMATION SECURITY VULNERABILITIES BASED ON SERVICE MODEL AWARE MULTI-DIMENSIONAL SECURITY RISK SCORING**
[54] **CORRECTION PRIORITAIRE DES VULNERABILITES EN MATIERE DE SECURITE DE L'INFORMATION SUR LA BASE D'UNE NOTATION MULTIDIMENSIONNELLE DES RISQUES DE SECURITE TENANT COMPTE DU MODELE DE SERVICE**
[72] IYER, G. S. NARAYAN, US
[72] KUMAR, AJOY, US
[72] GUPTA, AMIT, US
[73] BMC SOFTWARE, INC., US
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[54] **RESOURCE CONFIGURATIONS AND SCHEDULING OF DIRECT TRANSMISSIONS IN MULTI-NETWORK ENVIRONMENTS**
[54] **CONFIGURATIONS DE RESSOURCES ET PROGRAMMATION D'EMISSIONS DIRECTES DANS DES ENVIRONNEMENTS MULTI-RESEAUX**
[72] BARRETT, STEPHEN JOHN, CA
[72] FAURIE, RENE, CA
[72] VUTUKURI, ESWAR, CA
[72] YOUNG, GORDON PETER, CA
[73] BLACKBERRY LIMITED, CA
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[54] **SYSTEMS AND METHODS FOR DETERMINATION OF SEATING SYSTEM STATUS**
[54] **SYSTEMES ET METHODES POUR LA DETERMINATION DE L'ETAT DE SYSTEME DE SIEGE**
[72] PEREZ, VICTOR ARINO, US
[73] SAFRAN PASSENGER INNOVATIONS, LLC, US
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[54] **CHEMICAL COMPOUNDS AS ANTIBIOTICS**
[54] **COMPOSES CHIMIQUES UTILISES COMME ANTIBIOTIQUES**
[72] LEIRIS, SIMON, FR
[72] DAVIES, DAVID THOMAS, FR
[72] EVERETT, MARTIN, FR
[72] SPRYNSKI, NICOLAS, FR
[72] SUTTON, JONATHAN MARK, GB
[72] BODNARCHUK, MICHAEL STEVEN, GB
[72] PALLIN, THOMAS DAVID, GB
[72] CRIDLAND, ANDREW PETER, GB
[72] BLENCH, TOBY JONATHAN, GB
[72] CLARK, DAVID EDWARD, GB
[72] ELLIOTT, RICHARD LEONARD, GB
[72] BEYRIA, LILHA, FR
[73] ANTABIO SAS, FR
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[54] **MEMBRANE ECHANGEUSE D'IONS PRESENTANT UN SUBSTRAT NON TISSE IMPRIME**
[72] ZHAO, YONGHONG, SG
[72] BARBER, JOHN H., CA
[73] BL TECHNOLOGIES, INC., US
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[51] **Int.Cl. C22B 3/08 (2006.01) C22B 7/04 (2006.01) C22B 26/12 (2006.01)**
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[54] **PROCESS FOR THE RECOVERY OF LITHIUM**
[54] **PROCEDE DE RECUPERATION DE LITHIUM**
[72] OOSTERHOF, HARALD, BE
[72] DUPONT, DAVID, BE
[72] DROUARD, WENDY, BE
[73] UMICORE, BE
[85] 2019-09-24
[86] 2018-03-26 (PCT/EP2018/057569)
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[54] **SYRINGE SYSTEMS AND METHODS FOR MULTI-STAGE FLUID DELIVERY**
[54] **SYSTEME DE SERINGUE ET PROCEDE D'ADMINISTRATION DE FLUIDES MULTIPLES**
[72] HOPKINS, MICHAEL, US
[73] TRUE CONCEPTS MEDICAL TECHNOLOGIES, LLC, US
[85] 2019-09-26
[86] 2017-06-15 (PCT/US2017/037789)
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[54] **ELEMENT DE FERMETURE A CAPUCHON**
[72] WOHLGENANNT, HERBERT, CH
[73] CAPARTIS AG, CH
[85] 2019-10-07
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[54] **DOSING DEVICE FOR A LIQUID SUPPLY WITH NECK**
[54] **DISPOSITIF DE DOSAGE POUR L'ALIMENTATION EN LIQUIDE AVEC BUSE**
[72] WOHLGENANNT, HERBERT, CH
[73] CAPARTIS AG, CH
[85] 2019-11-05
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[54] **IDENTIFICATION, LOCATION, AND AUTHENTICATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION, DE LOCALISATION ET D'AUTHENTIFICATION**
[72] DE WITT, GREGORY TAYLOR, US
[72] MUNTEANU, EUGEN, US
[73] CLOUDTRAQ LLC, US
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[54] **WALLBOARD ANCHOR**
[54] **ANCRE DE PANNEAU MURAL**
[72] FAGHIDI, HAMID, US
[72] GARIKAPATI, NALINIKANTH, US
[72] HICKS, MICHAEL MARTIN, US
[73] THE HILLMAN GROUP, INC., US
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[25] EN
[54] **METHOD AND SYSTEM FOR UTILIZING A BYPASS HUMIDIFIER FOR DEHUMIDIFICATION DURING COOLING**
[54] **PROCEDE ET SYSTEME D'UTILISATION D'HUMIDIFICATEUR AVEC DERIVATION POUR DESHUMIDIFICATION PENDANT LE REFROIDISSEMENT**
[72] GOEL, RAKESH, US
[72] PEREZ, ERIC, US
[72] BERG, ERIC, US
[73] LENNOX INDUSTRIES INC., US
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[54] **PROCESS FOR MAKING EDIBLE OIL-CONTINUOUS EMULSIONS**
[54] **PROCEDE DE PRODUCTION D'EMULSIONS HUILE-PHASE CONTINUE COMESTIBLES**
[72] VAN MALSSEN, KEES FREDERIK, NL
[72] MEEUSE, FREDERIK MICHIEL, NL
[72] POTMAN, RONALD PETER, NL
[73] UPFIELD EUROPE B.V., NL
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[54] **AUTOMATED LOADING OF DELIVERY VEHICLES USING AUTOMATED GUIDED VEHICLES**
[54] **CHARGEMENT AUTOMATISE DE VEHICULES DE LIVRAISON A L'AIDE DE VEHICULES A GUIDAGE AUTOMATIQUE**
[72] JARVIS, DANIEL, US
[72] AMADOR, PAOLO GERIL, US
[72] BHASKARAN, MICHAEL, US
[72] KALRA, AMIT, US
[73] STAPLES, INC., US
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[54] **SYSTEMS AND METHODS FOR WIRELESS SIGNAL CLASSIFICATION**
[54] **SYSTEMES ET PROCEDES DE CLASSIFICATION DE SIGNAUX MOBILES**
[72] ZHA, WEI, US
[72] WANG, GANG, US
[73] PCTEL, INC., US
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[54] **DISTRIBUTEURS DE MATERIAU FLUIDE MAINS LIBRES ET PROCEDES ASSOCIES**
[72] BORKE, BRIAN S., US
[73] GPCP IP HOLDINGS LLC, US
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[25] FR
[54] **METHOD FOR PRODUCING SILICONE ELASTOMER MOULDS**
[54] **PROCEDE DE FABRICATION DE MOULES EN ELASTOMERE SILICONE**
[72] MARIOT, DAVID, FR
[72] MALIVERNEY, CHRISTIAN, FR
[72] PELLE, AURELIE, FR
[73] ELKEM SILICONES FRANCE SAS, FR
[85] 2019-12-20
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[25] EN
[54] **AUTOMATED FIBER-PLACEMENT SYSTEMS AND METHODS AND ARTICLES PRODUCED THEREFROM**
[54] **SYSTEMES ET PROCEDES DE PLACEMENT AUTOMATISE DE FIBRES ET ARTICLES PRODUITS A PARTIR DE CELLES-CI**
[72] JOHNSON, BRICE A., US
[72] GHOSE, SAYATA, US
[72] MALIK, KEVIN F., US
[73] THE BOEING COMPANY, US
[86] (3068714)
[87] (3068714)
[22] 2020-01-17
[30] US (16/363691) 2019-03-25

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[51] **Int.Cl. G01C 21/36 (2006.01) H04W 4/02 (2018.01) G06F 15/173 (2006.01) H04L 67/12 (2022.01)**
[25] EN
[54] **NETWORKED PERSONAL WEATHER DEVICES AND RELATED METHODS FOR PROVIDING WEATHER INFORMATION**
[54] **DISPOSITIFS METEOROLOGIQUES PERSONNELS EN RESEAU ET PROCEDES ASSOCIES PERMETTANT DE FOURNIR DES INFORMATIONS METEOROLOGIQUES**
[72] REICHMUTH, RICHARD, US
[72] MCCOTTRY, II, JONATHAN EDWARD, US
[72] AGASSINI, IVAN ALEJANDRO HERRERA, MX
[73] WEATHERMAN, INC., US
[85] 2020-01-17
[86] 2018-07-20 (PCT/US2018/043187)
[87] (WO2019/018825)
[30] US (62/535,203) 2017-07-20

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[51] **Int.Cl. C04B 35/03 (2006.01) C04B 35/043 (2006.01) C04B 35/626 (2006.01) C04B 35/63 (2006.01) C04B 35/66 (2006.01) C04B 38/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A POROUS SINTERED MAGNESIA, BATCH FOR PRODUCING A COARSE CERAMIC REFRACTORY PRODUCT HAVING A GRANULAR MATERIAL MADE OF THE SINTERED MAGNESIA, SUCH A PRODUCT AND METHOD FOR ITS PRODUCTION, LINING OF AN INDUSTRIAL FURNACE, AND INDUSTRIAL FURNACE**
[54] **PROCEDE POUR LA FABRICATION D'UNE MAGNESIE FRITTEE POREUSE, MELANGE POUR LA FABRICATION D'UN PRODUIT REFRACTAIRE EN CERAMIQUE GROSSIERE AYANT UNE GRANULOMETRIE A PARTIR DE LA MAGN ESIE FRITTEE, UN TEL PRODUIT AINSI QUE PROCEDE POUR SA FABRICATION, DISPOSITION D'UN FOUR INDUSTRIEL ET FOUR INDUSTRIEL**
[72] KLISCHAT, HANS-JURGEN, DE
[72] PLUMMER, ROBERT, CN
[72] VELLMER, CARSTEN, DE
[72] WIRSING, HOLGER, DE
[73] REFRATECHNIK HOLDING GMBH, DE
[85] 2020-01-22
[86] 2018-09-13 (PCT/EP2018/074817)
[87] (WO2019/053167)
[30] DE (10 2017 121 452.6) 2017-09-15

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[51] **Int.Cl. H04L 45/74 (2022.01) H04L 61/2514 (2022.01) H04L 61/2592 (2022.01)**
[25] EN
[54] **VIRTUALIZED NETWORK FUNCTIONS THROUGH ADDRESS SPACE AGGREGATION**
[54] **FONCTIONS DE RESEAU VIRTUALISEES PAR AGREGATION D'ESPACE ADRESSABLE**
[72] RAZA, SYED KHALID, US
[72] ATTARWALA, MURTUZA, US
[73] CISCO TECHNOLOGY, INC., US
[85] 2020-01-31
[86] 2018-07-25 (PCT/US2018/043618)
[87] (WO2019/027749)
[30] US (15/664,869) 2017-07-31

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[25] EN
[54] **CONTAINER ASSEMBLY**
[54] **ENSEMBLE DE RESERVOIRS**
[72] MACORETTA, FEDERICO, US
[72] NISHIJIMA, RICK T., US
[72] DONOVAN, MADELINE A., US
[72] BELL, RUSSELL E., US
[72] YAU, PIERCY, US
[73] BRITA LP, US
[86] (3074189)
[87] (3074189)
[22] 2020-02-28
[30] US (62/812,704) 2019-03-01
[30] US (16/801,891) 2020-02-26

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[13] C
[51] **Int.Cl. G01S 17/10 (2020.01) G01S 7/4865 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT**
[54] **METHODE ET APPAREIL DE MESURE D'UNE DISTANCE OPTIQUE**
[72] HOLZHUTER, HANNO, DE
[73] MICROVISION, INC., US
[86] (3074628)
[87] (3074628)
[22] 2020-03-04
[30] EP (19165546.3) 2019-03-27

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[51] **Int.Cl. A47B 13/10 (2006.01)**
[25] EN
[54] **TABLE TOP**
[54] **PLATEAU DE TABLE**
[72] OCHSENFELD, GERHARD, DE
[72] OCHSENFELD, MICHAEL, DE
[73] EINRICHTWERK GMBH, DE
[85] 2020-03-03
[86] 2017-12-18 (PCT/EP2017/083330)
[87] (WO2019/048073)
[30] DE (20 2017 105 463.2) 2017-09-08

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[13] C
[51] **Int.Cl. H01J 29/04 (2006.01) H01J 31/48 (2006.01) H01J 31/49 (2006.01)**
[25] EN
[54] **THERMALLY ASSISTED NEGATIVE ELECTRON AFFINITY PHOTOCATHODE**
[54] **PHOTOCATHODE A AFFINITE ELECTRONIQUE NEGATIVE ASSISTEE THERMIQUEMENT**
[72] COSTELLO, KENNETH A., US
[72] AEBI, VERLE, US
[72] JURKOVIC, MICHAEL, US
[72] ZENG, XI, US
[73] EOTECH, LLC, US
[85] 2020-03-10
[86] 2018-09-12 (PCT/US2018/050735)
[87] (WO2019/055554)
[30] US (15/702,647) 2017-09-12

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[51] **Int.Cl. E04B 2/88 (2006.01)**
[25] EN
[54] **THERMALLY SEPARATED COMPOSITE PANEL ASSEMBLY**
[54] **ASSEMBLAGE DE PANNEAUX COMPOSITES A COUPURE THERMIQUE**
[72] STRICKLAND, MICHAEL R., CA
[73] UNITIWALL CORPORATION, CA
[86] (3075824)
[87] (3075824)
[22] 2020-03-16
[30] US (62/819,278) 2019-03-15

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[51] **Int.Cl. F16H 1/24 (2006.01) F16H 1/12 (2006.01) F16H 35/02 (2006.01) F16H 55/10 (2006.01)**
[25] EN
[54] **GEAR SET IN WHICH INTERACTING GEARS HAVE A DIFFERENT CIRCULAR PITCH**
[54] **TRAIN D'ENGRENAGES DANS LEQUEL DES ENGRENAGES EN INTERACTION ONT UN PAS PRIMITIF DIFFERENT**
[72] BEAUDET, DONALD C., CA
[73] BEAUDET, DONALD C., CA
[86] (3076440)
[87] (3076440)
[22] 2020-03-20
[30] US (62/822,461) 2019-03-22

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[13] C
[51] **Int.Cl. H01Q 1/42 (2006.01)**
[25] EN
[54] **RADOME STRUCTURE, PROTECTED RADIATION-ACTIVE SYSTEM AND METHODS FOR USING SAME**
[54] **STRUCTURE DE RADOME, SYSTEME A RAYONNEMENT ACTIF PROTEGE ET PROCEDES D'UTILISATION ASSOCIES**
[72] STRESSING, DAVID WINFIELD, US
[73] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
[85] 2020-03-30
[86] 2018-09-28 (PCT/US2018/053576)
[87] (WO2019/068004)
[30] US (62/566,384) 2017-09-30

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[13] C
[51] **Int.Cl. E04F 15/20 (2006.01) E04B 1/84 (2006.01)**
[25] EN
[54] **HIGH COMPRESSIVE STRENGTH SOUND ATTENUATION**
[54] **ATTENUATEUR DE SON A HAUTE RESISTANCE A LA COMPRESSION**
[72] IGO, JOHN, US
[73] FORMULATED MATERIALS LLC, US
[86] (3077825)
[87] (3077825)
[22] 2020-04-01
[30] US (62/827,610) 2019-04-01

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[13] C
[51] **Int.Cl. H04R 1/10 (2006.01)**
[25] EN
[54] **A NOISE REDUCTION AIR TUBE MICROPHONE, NOISE-REDUCTION SAFE HEADSET AND NOISE-REDUCTION SAFE BLUETOOTH HEADSET**
[54] **MICROPHONE A CONDUIT D'AIR A REDUCTION DE BRUIT, ECOUTEUR A REDUCTION DE BRUIT SECURISE, ET ECOUTEUR BLUETOOTH A REDUCTION DE BRUIT SECURISE**
[72] ZHU, AIDAO, CN
[73] ZHU, AIDAO, CN
[85] 2020-04-06
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[25] EN
[54] **ANNATTO EXTRACTS FOR INSECT REPELLENCY, LARVICIDAL ACTIVITY AND METHODS OF USE**
[54] **EXTRAITS DE ROCOU DESTINES A REPOUSSER LES INSECTES, A ACTIVITE LARVICIDE ET LEURS PROCEDES D'UTILISATION**
[72] TAN, BARRIE, US
[72] ZHANG, JIA, US
[73] AMERICAN RIVER NUTRITION, LLC, US
[85] 2020-04-17
[86] 2018-11-10 (PCT/US2018/060229)
[87] (WO2019/094849)
[30] US (62/584,641) 2017-11-10

[11] **3,081,706**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **INTEGRATED FRACKING SYSTEM**
[54] **SYSTEME DE FRACTIONNEMENT INTEGRE**
[72] SHARP, BRIAN, US
[72] JOOST, CHAD, US
[72] HARVELL, CHRIS, US
[72] SMITH, PAUL, US
[73] STEWART & STEVENSON LLC, US
[86] (3081706)
[87] (3081706)
[22] 2020-05-28
[30] US (62/855634) 2019-05-31

[11] **3,087,465**
[13] C
[51] **Int.Cl. H02J 7/00 (2006.01)**
[25] EN
[54] **ON-BOARD STARTING POWER SUPPLY**
[54] **SOURCE D'ENERGIE DE DEMARRAGE MONTEE SUR UN VEHICULE**
[72] LEI, YUN, CN
[72] ZHANG, ZHIFENG, CN
[73] SHENZHEN CARKU TECHNOLOGY CO., LIMITED., CN
[85] 2020-07-02
[86] 2018-08-30 (PCT/CN2018/103295)
[87] (WO2020/042091)

[11] **3,088,457**
[13] C
[51] **Int.Cl. H04W 72/00 (2023.01) H04W 72/232 (2023.01)**
[25] EN
[54] **SCHEDULING REQUEST CANCELLATION METHOD, BUFFER STATUS REPORT CANCELLATION METHOD AND DEVICE**
[54] **PROCEDE D'ANNULATION DE DEMANDE D'ORDONNANCEMENT, PROCEDE D'ANNULATION DE RAPPORT D'ETAT DE MEMOIRE TAMPON ET DISPOSITIF**
[72] KUANG, YIRU, CN
[72] TENNY, NATHAN EDWARD, CN
[72] WANG, JIAN, CN
[72] YAO, CHUTING, CN
[72] CAO, ZHENZHEN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-07-14
[86] 2019-02-12 (PCT/CN2019/074864)
[87] (WO2019/158053)
[30] CN (201810150653.6) 2018-02-13

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[51] **Int.Cl. H04W 4/70 (2018.01) H04W 28/02 (2009.01) H04W 36/28 (2009.01) H04L 5/00 (2006.01) H04L 5/14 (2006.01)**
[25] EN
[54] **BWP HANDLING IN IDLE MODE AND INACTIVE MODE**
[54] **MANIPULATION BWP EN MODE REPOS ET EN MODE INACTIF**
[72] KOSKINEN, JUSSI-PEKKA, FI
[72] KOSKELA, JARKKO, FI
[72] HENTTONEN, TERO, FI
[73] NOKIA TECHNOLOGIES OY, FI
[85] 2020-07-14
[86] 2017-11-14 (PCT/FI2017/050782)
[87] (WO2019/097104)

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[51] **Int.Cl. A61B 8/14 (2006.01)**
[25] EN
[54] **IMAGE BASED ULTRASOUND PROBE CALIBRATION**
[54] **ETALONNAGE D'UNE SONDE A ULTRASONS BASE SUR UNE IMAGE**
[72] GOTTE, HUBERT, DE
[72] ILLANES MANRIQUEZ, ALFREDO GUILLERMO, DE
[72] FRIEBE, MICHAEL, DE
[72] BALAKRISHNAN, SATISH, DE
[72] POUDEL, PRABAL, DE
[73] BRAINLAB AG, DE
[85] 2020-07-28
[86] 2018-02-23 (PCT/EP2018/054524)
[87] (WO2019/161914)

[11] **3,090,310**
[13] C
[51] **Int.Cl. G05B 19/4099 (2006.01)**
[25] EN
[54] **A PRINTER FOR PRINTING A 3D OBJECT**
[54] **IMPRIMANTE PERMETTANT D'IMPRIMER UN OBJET 3D**
[72] GAY, JEREMIE PIERRE, DK
[72] VAJDA, ZOLTAN TAMAS, DK
[73] CREATE IT REAL A/S, DK
[85] 2020-08-03
[86] 2019-02-05 (PCT/EP2019/052727)
[87] (WO2019/149953)
[30] DK (PA 2018 70069) 2018-02-05

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[51] **Int.Cl. B05B 1/08 (2006.01) B05B 12/06 (2006.01) F15B 1/12 (2006.01) F15C 1/22 (2006.01)**
[25] EN
[54] **SPLIT BODY FLUIDIC SPRAY NOZZLE**
[54] **BUSE DE PULVERISATION FLUIDIQUE A CORPS FENDU**
[72] COPLIN, THOMAS L., US
[73] SPRAYING SYSTEMS CO., US
[85] 2020-08-18
[86] 2019-02-20 (PCT/US2019/018673)
[87] (WO2019/164869)
[30] US (62/632,673) 2018-02-20

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[51] **Int.Cl. C25B 1/26 (2006.01) C25B 9/15 (2021.01) C25B 9/70 (2021.01) C02F 1/461 (2006.01) C02F 1/467 (2006.01) C02F 1/50 (2006.01) C02F 1/76 (2006.01) C25B 15/02 (2021.01) C25B 15/08 (2006.01)**
[25] EN
[54] **ELECTROCHLORINATION SYSTEM CONFIGURATIONS FOR THE GENERATION OF HIGH PRODUCT STRENGTH SOLUTIONS**
[54] **CONFIGURATIONS DE SYSTEME D'ELECTROCHLORATION POUR LA GENERATION DE SOLUTIONS A HAUTE RESISTANCE DU PRODUIT**
[72] GRIFFIS, JOSHUA, US
[72] DUKES, SIMON P., US
[72] BEDDOES, PAUL, GB
[72] ROGERS, PETER G., GB
[72] AWAN, MUHAMMAD, GB
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[73] EVOQUA WATER TECHNOLOGIES LIMITED, GB
[85] 2020-08-20
[86] 2019-02-22 (PCT/US2019/019072)
[87] (WO2019/165161)
[30] US (62/633,790) 2018-02-22

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[13] C
[51] **Int.Cl. G06N 10/80 (2022.01) G16C 10/00 (2019.01) G16C 20/30 (2019.01)**
[25] EN
[54] **TECHNIQUES FOR OBTAINING ACCURATE DIAGONAL ELECTRONIC STRUCTURE HAMILTONIANS**
[54] **TECHNIQUES D'OBTENTION D'HAMILTONIENS A STRUCTURE ELECTRONIQUE DIAGONALE PRECISE**
[72] BABBUSH, RYAN, US
[72] MCCLEAN, JARROD RYAN, US
[73] GOOGLE LLC, US
[85] 2020-09-04
[86] 2018-08-10 (PCT/US2018/046249)
[87] (WO2019/203874)
[30] US (62/660,505) 2018-04-20

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[51] **Int.Cl. H04L 43/0823 (2022.01) H04L 1/08 (2006.01)**
[25] EN
[54] **MESSAGE MANAGEMENT**
[54] **GESTION DE MESSAGES**
[72] GABRIEL, MICHAEL RICHARD, US
[72] SCOTT, GLENN CARTER, US
[73] INTUIT INC., US
[85] 2020-09-14
[86] 2019-03-05 (PCT/US2019/020680)
[87] (WO2019/190708)
[30] US (15/942,347) 2018-03-30

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[13] C
[51] **Int.Cl. H04W 88/10 (2009.01) H04W 84/22 (2009.01) H04B 1/40 (2015.01)**
[25] EN
[54] **ACCESS POINT DEVICE**
[54] **DISPOSITIF DE POINT D'ACCES**
[72] LEE, YAU-SHING, US
[72] ESPARZA, ROLANDO WILLCOX, US
[72] LIU, GEORGE, US
[72] WONG, WING TUNG, US
[72] HECKMANN, FREDERIC, US
[72] TANG, VIVIAN W., US
[73] GOOGLE LLC, US
[85] 2020-09-22
[86] 2019-09-26 (PCT/US2019/053162)
[87] (WO2021/061127)

[11] **3,094,306**
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[51] **Int.Cl. D04H 1/58 (2012.01) D04H 1/00 (2006.01) D04H 1/40 (2012.01) D04H 1/46 (2012.01)**
[25] EN
[54] **ACTIVATED POROUS FIBERS AND PRODUCTS INCLUDING SAME**
[54] **FIBRES POREUSES ACTIVEES ET PRODUITS LES COMPRENANT**
[72] CROSS, JONATHAN, GB
[72] KELSALL, ADAM, GB
[72] ZOITOS, BRUCE, US
[72] CANNAN, CHAD, US
[73] UNIFRAX I LLC, US
[85] 2020-09-16
[86] 2019-04-03 (PCT/US2019/025562)
[87] (WO2019/195406)
[30] US (62/652,551) 2018-04-04

[11] **3,094,406**
[13] C
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 41/00 (2020.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07C 323/41 (2006.01) C07D 207/40 (2006.01) C07D 211/88 (2006.01) C07H 15/04 (2006.01) C07H 15/10 (2006.01)**
[25] EN
[54] **PRECISION GLYCOCONJUGATES AS THERAPEUTIC TOOLS**
[54] **GLYCOCONJUGUES DE PRECISION EN TANT QU'OUTILS THERAPEUTIQUES**
[72] SHIAO, TZE CHIEH, CA
[72] ROY, RENE, CA
[73] KORANEX CAPITAL, CA
[85] 2020-09-18
[86] 2019-03-22 (PCT/CA2019/050353)
[87] (WO2019/178699)
[30] US (62/647,151) 2018-03-23

[11] **3,095,648**
[13] C
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION, DISPOSITIF RESEAU ET DISPOSITIF TERMINAL**
[72] LIU, JIANHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-09-30
[86] 2018-04-04 (PCT/CN2018/082006)
[87] (WO2019/191968)

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[13] C
[51] **Int.Cl. B66C 1/66 (2006.01) B65G 1/04 (2006.01) B66F 9/07 (2006.01)**
[25] EN
[54] **TELESCOPIC PICK-UP FOR MOVING CONTAINERS IN HIGH-BAY WAREHOUSES**
[54] **RAMASSAGE TELESCOPIQUE POUR LE DEPLACEMENT DE CONTENEURS DANS LES ENTREPOTS A PLAFOND HAUT**
[72] HOFMANN, KARL ROBERT, DE
[73] AMOVA GMBH, DE
[85] 2020-10-01
[86] 2019-04-16 (PCT/EP2019/059762)
[87] (WO2019/201896)
[30] DE (10 2018 205 933.0) 2018-04-18

[11] **3,096,100**
[13] C
[51] **Int.Cl. F16L 55/24 (2006.01) F16K 11/10 (2006.01)**
[25] EN
[54] **BALL DRAIN WYE STRAINER VALVE ASSEMBLY**
[54] **ASSEMBLAGE DE CLAPET DE VIDANGE A BILLE A CREPINE EN Y**
[72] TERRY, ANDREW J., US
[72] COATES, ANDREW J., US
[72] MASON, CHRISTOPHER W., US
[72] WILLIAMSON, CARLA M., US
[73] NIBCO INC., US
[86] (3096100)
[87] (3096100)
[22] 2020-10-14
[30] US (16/997.250) 2020-08-19

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[13] C
[51] **Int.Cl. A61M 39/28 (2006.01)**
[25] EN
[54] **PINCH CLAMP DEVICE**
[54] **DISPOSITIF DE PINCE DE SERRAGE**
[72] BURKHOLZ, JONATHAN KARL, US
[72] PETERSON, BART D., US
[72] WANG, BIN, US
[72] STOUT, MARTY L., US
[72] HU, OLIVIA, CN
[72] HARDING, WESTON F., US
[72] SONDEREGGER, RALPH L., US
[72] CHAI, KELVIN, CN
[72] WANG, LIONEL, CN
[73] BECTON, DICKINSON AND COMPANY, US
[86] (3096795)
[87] (3096795)
[22] 2016-10-06
[62] 3,002,659
[30] US (62/247,615) 2015-10-28
[30] US (62/296,372) 2016-02-17
[30] US (15/286,248) 2016-10-05

[11] **3,097,838**
[13] C
[51] **Int.Cl. E06B 9/24 (2006.01) E06B 3/67 (2006.01) E06B 9/264 (2006.01) H01L 31/0392 (2006.01)**
[25] EN
[54] **ELECTRIC POTENTIALLY-DRIVEN SHADE WITH CIGS SOLAR CELL AND METHOD OF MAKING THE SAME**
[54] **STORE A ENTRAINEMENT POTENTIELLEMENT ELECTRIQUE AVEC CELLULE SOLAIRE CIGS ET SON PROCEDE DE FABRICATION**
[72] BLUSH, JASON, US
[72] PETRMICHL, RUDOLPH, US
[72] FREY, TIMOTHY, US
[73] GUARDIAN GLASS, LLC, US
[85] 2020-10-20
[86] 2019-07-05 (PCT/IB2019/055758)
[87] (WO2020/008432)
[30] US (16/028,705) 2018-07-06

[11] **3,097,839**
[13] C
[51] **Int.Cl. E06B 9/24 (2006.01)**
[25] EN
[54] **ELECTRIC POTENTIALLY-DRIVEN SHADE INCLUDING SHUTTER SUPPORTING SURFACE-MODIFIED CONDUCTIVE COATING, AND/OR METHOD OF MAKING THE SAME**
[54] **STORE ENTRAINE PAR POTENTIEL ELECTRIQUE COMPRENANT UN REVETEMENT CONDUCTEUR DE MODIFICATION DE SURFACE DE SUPPORT DE VOLET ET/OU METHODE DE FABRICATION**
[72] BLUSH, JASON, US
[72] FREY, TIMOTHY, US
[73] GUARDIAN GLASS, LLC, US
[85] 2020-10-20
[86] 2019-07-05 (PCT/IB2019/055762)
[87] (WO2020/008435)

[11] **3,098,256**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/167 (2006.01) A61K 31/4422 (2006.01) A61K 31/554 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/38 (2006.01)**
[25] EN
[54] **TOPICAL PHARMACEUTICAL COMPOSITION FOR TREATMENT OF ANAL FISSURES AND HEMORRHOIDS**
[54] **COMPOSITION PHARMACEUTIQUE TOPIQUE POUR LE TRAITEMENT DE FISSURES ANALES ET D'HEMORROIDES**
[72] DE SOUZA TEIXEIRA, LEONARDO, BR
[72] DE FARIA, JEANE ROBERTA SANTANA, BR
[72] DE CASTRO MELO NOGUEIRA, GILBIA, BR
[72] MOREIRA MUNDIM, IRAM, BR
[72] MOREIRA REZECK, LAURA, BR
[72] PIMENTEL ITAPEMA ALVES, CARINA, BR
[72] BRUNO BELLORIO, KARINI, BR
[72] RODRIGUES FERNANDES, SARAH, BR
[72] PIMENTEL ITAPEMA ALVES, VIVIANE, BR
[72] WOOLEY DE MENDONCA FILHO, ROBERT FREDERIC, BR
[73] FERRING B.V., NL
[85] 2020-10-23
[86] 2019-04-25 (PCT/EP2019/060643)
[87] (WO2019/207059)
[30] BR (1020180083244) 2018-04-25

[11] **3,099,102**
[13] C
[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **ENGINEERING WHEAT WITH INCREASED DIETARY FIBER**
[54] **BLE MODIFIE AYANT UNE PLUS GRANDE QUANTITE DE FIBRE ALIMENTAIRE**
[72] BALTES, NICHOLAS, US
[72] GIL HUMANES, JAVIER, US
[73] CELLECTIS, FR
[85] 2020-11-02
[86] 2019-05-02 (PCT/IB2019/053610)
[87] (WO2019/211796)
[30] US (62/665,643) 2018-05-02

[11] **3,099,478**
[13] C
[51] **Int.Cl. B01D 27/08 (2006.01)**
[25] EN
[54] **PUSH FILTER WITH FLOATING KEY LOCK**
[54] **FILTRE D'EAU AVEC VERROU DE SECURITE FLOTTANT**
[72] MCCOLLOUGH, THOMAS W., US
[72] ANNISS, WILLIAM THOMAS, III, US
[72] GRANT, WILLARD, US
[72] BARRIOS, ROANY, US
[72] SMALL, WILLIAM L., US
[72] MACHADO, MARCELLO CORREA, US
[72] ROUSEY, CHRISTOPHER STEPHAN, US
[72] SUBRAMANIAN, RAMESH, US
[72] BRANDT, KEN, US
[72] CANDEO, MARCELO C., US
[72] ASTLE, ROBERT, US
[72] LAURI, GEORGE NICHOLAS, III, US
[73] ELECTROLUX HOME PRODUCTS, INC., US
[86] (3099478)
[87] (3099478)
[22] 2020-11-17
[30] US (16/687,251) 2019-11-18

[11] **3,100,354**
[13] C
[51] **Int.Cl. F17C 13/00 (2006.01) F17C 13/04 (2006.01) F17C 13/08 (2006.01)**
[25] EN
[54] **HANDLE ASSEMBLY FOR A PORTABLE PRESSURIZED GAS CYLINDER**
[54] **ENSEMBLE POIGNEE POUR BOUTEILLE DE GAZ COMPRIME PORTATIVE**
[72] AGUIAR, CARLOS, PT
[72] TENREIRO, ANA, PT
[73] AMTROL LICENSING INC., US
[85] 2020-11-13
[86] 2019-05-15 (PCT/US2019/032356)
[87] (WO2019/222310)
[30] US (15/981,367) 2018-05-16

[11] **3,101,314**
[13] C
[51] **Int.Cl. H01Q 1/08 (2006.01) F24S 23/74 (2018.01)**
[25] EN
[54] **DEPLOYABLE CYLINDRICAL PARABOLIC ANTENNA**
[54] **ANTENNE PARABOLIQUE CYLINDRIQUE DEPLOYABLE**
[72] RUHL, LYN ERIC, US
[73] M.M.A. DESIGN, LLC, US
[85] 2020-11-18
[86] 2019-03-27 (PCT/US2019/024346)
[87] (WO2019/231538)
[30] US (62/677,959) 2018-05-30

[11] **3,101,665**
[13] C
[51] **Int.Cl. C13B 20/16 (2011.01)**
[25] EN
[54] **FILTER MEDIA FOR THE REMOVAL OF PARTICLES, IONS, AND BIOLOGICAL MATERIALS, AND DECOLORIZATION IN A SUGAR PURIFICATION PROCESS, AND USE THEREOF**
[54] **MILIEU FILTRANT POUR L'ELIMINATION DE PARTICULES, D'IONS ET DE MATERIAUX BIOLOGIQUES, ET DECOLORATION DANS UN PROCEDE DE PURIFICATION DE SUCRE, ET UTILISATION ASSOCIEE**
[72] KNOLL, JAMES, US
[72] HENDERSON, KATIE, US
[72] BELCHER, BRUCE, US
[72] MERTZ, JOSHUA, US
[73] GRAVER TECHNOLOGIES LLC, US
[85] 2020-11-25
[86] 2019-05-23 (PCT/US2019/033745)
[87] (WO2019/236315)
[30] US (62/681,737) 2018-06-07

[11] **3,104,857**
[13] C
[51] **Int.Cl. E21C 50/00 (2006.01) E21F 13/04 (2006.01) F04B 23/04 (2006.01) F04F 1/08 (2006.01) F04F 1/14 (2006.01)**
[25] EN
[54] **PUMPING SYSTEM**
[54] **SYSTEME DE POMPAGE**
[72] VAN RIJSWICK, RUDOLFUS, NL
[73] WEIR MINERALS NETHERLANDS B.V., NL
[85] 2020-12-22
[86] 2019-07-12 (PCT/IB2019/055957)
[87] (WO2020/016716)
[30] GB (1811632.7) 2018-07-16

[11] **3,106,244**
[13] C
[51] **Int.Cl. C11D 3/30 (2006.01) D06L 4/657 (2017.01) C11D 1/22 (2006.01) C11D 1/37 (2006.01) C11D 1/83 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01) C11D 11/00 (2006.01) D06L 1/04 (2006.01) D06M 13/00 (2006.01) D06M 13/332 (2006.01)**
[25] EN
[54] **TREATMENT COMPOSITIONS COMPRISING A SURFACTANT SYSTEM AND AN OLIGOAMINE**
[54] **COMPOSITIONS DE TRAITEMENT COMPRENANT UN SYSTEME TENSIOACTIF ET UNE OLIGOAMINE**
[72] RANDALL, SHERRI LYNN, US
[72] MELI, FABRIZIO, US
[72] MIRACLE, GREGORY SCOT, US
[72] STENGER, PATRICK CHRISTOPHER, US
[72] BIANCHETTI, GIULIA OTTAVIA, BE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-01-11
[86] 2019-08-14 (PCT/US2019/046481)
[87] (WO2020/041063)
[30] EP (18190607.4) 2018-08-24

[11] **3,106,744**
[13] C
[51] **Int.Cl. A01D 57/20 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **WEAR-INHIBITING CLIP FOR DRAPER CLEAT OR SLAT OF A CROP HARVESTING HEADER**
[54] **PINCE EMPECHANT L'USURE DESTINEE A UNE CLAVETTE DE CONVOYEUR A COURROIE OU UNE LATTE D'UN TABLIER DE RECOLTEUSE**
[72] ROGALSKY, DOUG, CA
[72] GEORGISON, RYAN, CA
[72] MARTENS, KRISTOPHER, CA
[73] MACDON INDUSTRIES LTD., CA
[86] (3106744)
[87] (3106744)
[22] 2018-04-30
[62] 3,003,359
[30] US (15631198) 2017-06-23

[11] **3,107,337**
[13] C
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 9/54 (2006.01) G06F 9/52 (2006.01)**
[25] EN
[54] **ACCELERATING DATAFLOW SIGNAL PROCESSING APPLICATIONS ACROSS HETEROGENEOUS CPU/GPU SYSTEMS**
[54] **ACCELERATION D'APPLICATIONS DE TRAITEMENT DE SIGNAL DE FLUX DE DONNEES A TRAVERS DES SYSTEMES CPU/GPU HETEROGENES**
[72] CHAMPIGNY, MICHAEL, US
[73] RAYTHEON COMPANY, US
[85] 2021-01-21
[86] 2019-10-24 (PCT/US2019/057796)
[87] (WO2020/117388)
[30] US (62/776,119) 2018-12-06
[30] US (16/372,618) 2019-04-02

[11] **3,107,810**
[13] C
[51] **Int.Cl. H01L 23/535 (2006.01) H01L 21/027 (2006.01) H01L 23/528 (2006.01)**
[25] EN
[54] **HETEROGENOUS INTEGRATION FOR RF, MICROWAVE AND MM WAVE SYSTEMS IN PHOTOACTIVE GLASS SUBSTRATES**
[54] **INTEGRATION HETEROGENE POUR SYSTEMES RF, HYPERFREQUENCES ET A ONDES MILLIMETRIQUES DANS DES SUBSTRATS EN VERRE PHOTOACTIF**
[72] FLEMMING, JEB H., US
[72] MCWETHY, KYLE, US
[73] 3D GLASS SOLUTIONS, INC., US
[85] 2021-01-26
[86] 2019-12-26 (PCT/US2019/068586)
[87] (WO2020/139951)
[30] US (62/786,155) 2018-12-28

[11] **3,108,053**
[13] C
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 35/76 (2015.01) A61K 47/30 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **POLYMER NANOPARTICLE COMPOSITION FOR DELIVERING VIRUS, AND PREPARATION METHOD THEREFOR**
[54] **COMPOSITION DE NANOPARTICULES POLYMERES POUR L'ADMINISTRATION DE VIRUS, ET SON PROCEDE DE PREPARATION**
[72] CHOI, JOUNG WOO, KR
[72] KIM, SANG HOON, KR
[72] NAM, HYE YEONG, KR
[72] CHO, HE LEN, KR
[72] YUN, MIN HYUK, KR
[72] KIM, GOO YOUNG, KR
[72] LEE, SO JIN, KR
[73] SAMYANG HOLDINGS CORPORATION, KR
[85] 2021-01-28
[86] 2019-08-07 (PCT/KR2019/009893)
[87] (WO2020/032581)
[30] KR (10-2018-0092089) 2018-08-07

[11] **3,108,709**
[13] C
[51] **Int.Cl. C25C 7/08 (2006.01) C25D 1/04 (2006.01) C25D 1/20 (2006.01)**
[25] EN
[54] **STRIPPING OF METAL FROM CATHODES**
[54] **DECAPAGE DU METAL DE CATHODES**
[72] ERIKSSON, PER OLA, AU
[72] KIMLIN, NOEL DOUGLAS, AU
[72] KIMURA, NAOFUMI, JP
[73] GLENCORE TECHNOLOGY PTY LIMITED, AU
[73] MESCO INC., JP
[85] 2021-02-04
[86] 2019-08-20 (PCT/AU2019/050876)
[87] (WO2020/037362)
[30] AU (2018903066) 2018-08-21
[30] AU (2018903463) 2018-09-14

[11] **3,109,300**
[13] C
[51] **Int.Cl. A61L 27/16 (2006.01) A61L 27/18 (2006.01) A61L 27/20 (2006.01) A61L 27/22 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/50 (2006.01)**
[25] EN
[54] **GENERATING ARTERIAL ENDOTHELIAL CELL-SEEDED VASCULAR GRAFTS**
[54] **PRODUCTION DE GREFFONS VASCULAIRES ENSEMENCES PAR DES CELLULES ENDOTHELIALES ARTERIELLES**
[72] THOMSON, JAMES A., US
[72] ZHANG, JUE, US
[72] MAUFORT, JOHN, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2021-02-10
[86] 2019-08-30 (PCT/US2019/049003)
[87] (WO2020/047380)
[30] US (62/725,469) 2018-08-31

[11] **3,109,360**
[13] C
[51] **Int.Cl. A61K 31/375 (2006.01) A23L 33/10 (2016.01) A61K 47/52 (2017.01) A61K 31/19 (2006.01) A61K 31/191 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A PHARMACEUTICAL COMPOSITION FOR TREATING CANCER COMPRISING AN IONIC COMPOUND HAVING METAL ION BINDING THERETO**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DU CANCER COMPRENANT UN COMPOSE IONIQUE DE TYPE A ION METALLIQUE LIE**
[72] PAI, CHAUL MIN, KR
[73] METAFINES.CO.LTD., KR
[85] 2021-02-10
[86] 2019-08-19 (PCT/KR2019/010485)
[87] (WO2020/040502)
[30] KR (10-2018-0098145) 2018-08-22

[11] **3,110,262**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/17 (2015.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **ANTI-BCMA SINGLE DOMAIN ANTIBODIES AND APPLICATION THEREOF**
[54] **ANTICORPS ANTI-BCMA A DOMAINE UNIQUE ET APPLICATION CORRESPONDANTE**
[72] ZHANG, JISHUAI, CN
[72] LI, HONGJIAN, CN
[72] BAO, CHAOLEMENG, CN
[72] CAI, QINGHUA, CN
[72] LI, YINGYING, CN
[72] SONG, ZONGPEI, CN
[72] DING, YIJIN, CN
[72] CAI, ZHIBO, CN
[73] SHENZHEN PREGENE BIOPHARMA CO. LTD., CN
[85] 2021-02-22
[86] 2019-07-10 (PCT/CN2019/095507)
[87] (WO2020/038147)
[30] CN (201810972054.2) 2018-08-24

[11] **3,110,739**
[13] C
[51] **Int.Cl. H05B 45/14 (2020.01) H05B 45/325 (2020.01) H05B 47/16 (2020.01) H05B 47/19 (2020.01)**
[25] EN
[54] **DRIVE CIRCUIT FOR A LIGHT-EMITTING DIODE LIGHT SOURCE**
[54] **CIRCUIT D'EXCITATION POUR SOURCE DE LUMIERE A DIODES ELECTROLUMINESCENTES**
[72] DEJONGE, STUART W., US
[72] NEWMAN, ROBERT C., JR., US
[73] LUTRON TECHNOLOGY COMPANY LLC, US
[85] 2021-02-24
[86] 2019-08-30 (PCT/US2019/049091)
[87] (WO2020/047427)
[30] US (62/725,467) 2018-08-31

[11] **3,112,763**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CD200R AGONIST ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS AGONISTES DE CD200R ET UTILISATIONS DE CES DERNIERS**
[72] DEMAREST, STEPHEN JOHN, US
[72] KOESTER, ANJA, US
[72] MEHTA, PAYAL, US
[72] POTTER, SCOTT CHARLES, US
[72] RUIZ, DIANA ISABEL, US
[72] WITCHER, DERRICK RYAN, US
[72] WU, XIUFENG, US
[73] ELI LILLY AND COMPANY, US
[85] 2021-03-12
[86] 2019-09-11 (PCT/US2019/050511)
[87] (WO2020/055943)
[30] US (62/731,204) 2018-09-14

[11] **3,113,381**
[13] C
[51] **Int.Cl. C03C 3/078 (2006.01) C03C 23/00 (2006.01) G01N 21/25 (2006.01) G01N 21/88 (2006.01) G01N 21/896 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING INCLUSIONS IN FLOAT GLASS BASED ON SPECTRAL REFLECTANCE ANALYSIS**
[54] **PROCEDE ET SYSTEME DE DETECTION D'INCLUSIONS DANS UN VERRE FLOTTE SUR LA BASE D'UNE ANALYSE DE LA REFLECTANCE SPECTRALE**
[72] AGBUGA, OKAN, US
[73] GUARDIAN GLASS, LLC, US
[85] 2021-03-18
[86] 2019-10-02 (PCT/IB2019/058398)
[87] (WO2020/070673)

[11] **3,113,922**
[13] C
[51] **Int.Cl. G06Q 50/10 (2012.01)**
[25] EN
[54] **EVENT MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'EVENEMENTS**
[72] ASANUMA, KATSUHIDE, JP
[73] ASANUMA HOLDINGS CO., LTD., JP
[85] 2021-03-23
[86] 2018-12-27 (PCT/JP2018/048118)
[87] (WO2020/079861)
[30] JP (2018-194387) 2018-10-15

[11] **3,114,387**
[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 50/00 (2016.01) H04W 4/38 (2018.01) G01R 31/371 (2019.01) G05F 1/66 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **COMMUNICATING BATTERY CHARGER**
[54] **CHARGEUR DE BATTERIE A CAPACITE DE COMMUNICATION**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] KRIST, RANDY F., US
[73] SNAP-ON INCORPORATED, US
[86] (3114387)
[87] (3114387)
[22] 2021-04-08
[30] US (16/852,144) 2020-04-17

[11] **3,114,728**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **ANTIBODY FORMULATION**
[54] **FORMULATION D'ANTICORPS**
[72] FREICHEL, CHRISTIAN, CH
[72] MUELLER, CLAUDIA, CH
[72] MUELLER, ROBERT, CH
[72] SZCZESNY, PIOTR JAN, CH
[72] WORGULL, MARTIN, CH
[72] WURTH, CHRISTINE, CH
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2021-03-29
[86] 2019-10-25 (PCT/EP2019/079137)
[87] (WO2020/089051)
[30] EP (18203104.7) 2018-10-29

[11] **3,115,010**
[13] C
[51] **Int.Cl. B01J 20/18 (2006.01) B01J 20/34 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING POLYFLUORINATED ORGANIC COMPOUNDS FROM WATER BY MEANS OF AN ADSORBENT AND REGENERATION OF THE LATTER**
[54] **PROCEDE POUR ELIMINER DES COMPOSES ORGANIQUES POLYFLUORES PRESENTS DANS DE L'EAU AU MOYEN D'UN ADSORBANT ET POUR REGENERER CE DERNIER**
[72] GEORGI, ANETT, DE
[72] KOPINKE, FRANK-DIETER, DE
[72] MACKENZIE, KATRIN, DE
[72] NGUYEN, THE VIET, DE
[72] WOSZIDLO, SILKE, DE
[72] KOHLER, ROBERT, DE
[73] HELMHOLTZ-ZENTRUM FUR UMWELTFORSCHUNG GMBH - UFZ, DE
[85] 2021-03-31
[86] 2019-10-29 (PCT/EP2019/079452)
[87] (WO2020/089192)
[30] EP (18203492.6) 2018-10-30

[11] **3,115,268**
[13] C
[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/9038 (2019.01) G06F 40/205 (2020.01) G06F 40/279 (2020.01)**
[25] EN
[54] **DETERMINING LEVELS OF DETAIL FOR DATA VISUALIZATIONS USING NATURAL LANGUAGE CONSTRUCTS**
[54] **DETERMINATION DE NIVEAUX DE DETAIL POUR DES VISUALISATIONS DE DONNEES A L'AIDE DE CONSTRUCTIONS EN LANGAGE NATUREL**
[72] DJALALI, ALEX, US
[72] SETLUR, VIDYA RAGHAVAN, US
[73] TABLEAU SOFTWARE, LLC, US
[85] 2021-04-01
[86] 2019-10-08 (PCT/US2019/055169)
[87] (WO2020/076811)
[30] US (62/742,857) 2018-10-08
[30] US (16/166,125) 2018-10-21
[30] US (16/234,470) 2018-12-27

[11] **3,115,337**
[13] C
[51] **Int.Cl. H01M 50/244 (2021.01) H01M 50/50 (2021.01) B65D 85/88 (2006.01) B65D 85/90 (2006.01)**
[25] EN
[54] **SAFE TRANSPORT AND STORAGE OF ENERGY STORAGE DEVICES**
[54] **TRANSPORT ET STOCKAGE SECURISES DE DISPOSITIFS DE STOCKAGE D'ENERGIE**
[72] NIZIOL, CHESTER STANLEY, CA
[73] DESIGN SCIENCE TECHNOLOGY LLC, US
[86] (3115337)
[87] (3115337)
[22] 2019-09-23
[62] 3,081,105
[30] US (62/734,494) 2018-09-21

[11] **3,116,842**
[13] C
[51] **Int.Cl. B02C 17/18 (2006.01)**
[25] EN
[54] **A GRINDING MILL**
[54] **BROYEUR**
[72] GREEN, NICHOLAS, NO
[72] BERGER, BRIAN, US
[72] BORDI, DAMON, AU
[72] WINTHER, KJELL, NO
[72] HOLSHAGEN, BJOERN, NO
[73] METSO OUTOTEC FINLAND OY, FI
[85] 2021-04-16
[86] 2019-04-23 (PCT/FI2019/050326)
[87] (WO2020/079323)
[30] US (16/165,573) 2018-10-19

[11] **3,117,066**
[13] C
[51] **Int.Cl. E02F 3/40 (2006.01) B62D 49/00 (2006.01) E02F 3/627 (2006.01) E02F 3/96 (2006.01)**
[25] EN
[54] **A BUCKET FOR AN EARTH-WORKING OR MATERIALS-HANDLING MACHINE**
[54] **GODET POUR MACHINE DE TERRASSEMENT OU DE MANIPULATION DE MATERIAUX**
[72] COULSON, BRIAN, GB
[73] SSAB TECHNOLOGY AB, SE
[85] 2021-04-20
[86] 2019-12-06 (PCT/EP2019/084023)
[87] (WO2020/115295)
[30] EP (18211055.1) 2018-12-07

[11] **3,117,307**
[13] C
[51] **Int.Cl. A61M 5/32 (2006.01) A61M 5/34 (2006.01)**
[25] EN
[54] **REUSABLE NEEDLE HANDLING APPARATUS**
[54] **APPAREIL DE MANIPULATION D'AIGUILLE REUTILISABLE**
[72] RADMAND, REZA, US
[72] COLE, STEPHEN J., US
[73] ACHAEMENID, LLC, US
[85] 2021-04-21
[86] 2018-10-10 (PCT/US2018/055114)
[87] (WO2019/089197)
[30] US (62/578,692) 2017-10-30

[11] **3,117,808**
[13] C
[51] **Int.Cl. C02F 1/70 (2006.01) C01F 5/02 (2006.01) C01F 5/06 (2006.01) C02F 1/04 (2006.01) C02F 5/00 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **SILICA REDUCER COMPOSITIONS AND METHODS FOR TREATMENT OF PRODUCED WATER FROM THERMAL IN SITU BITUMEN OR HEAVY HYDROCARBON RECOVERY OPERATIONS**
[54] **COMPOSITIONS DE REDUCTEUR DE SILICE ET METHODES DE TRAITEMENT D'EAU PRODUITE D'OPERATIONS THERMIQUES DE RECUPERATION DE BITUME OU D'HYDROCARBURES LOURDS SUR PLACE**
[72] BEREZOWSKI, NEIL, CA
[72] JAFARI, MARYAM, CA
[72] SHI, GANG, CA
[72] SPACHTHOLZ, FRANZ XAVER, CA
[72] SPROUL, RICHARD, CA
[73] BAYMAG INC., CA
[86] (3117808)
[87] (3117808)
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[51] **Int.Cl. H04L 67/14 (2022.01) H04L 67/141 (2022.01) H04L 67/143 (2022.01)**
[25] EN
[54] **PROTOCOL DATA UNIT SESSION STATUS INDICATION METHOD, TERMINAL DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE D'INDICATION D'UN ETAT D'UNE SESSION D'UNE UNITE DE DONNEES DE PROTOCOLE, DISPOSITIF TERMINAL ET SUPPORT DE STOCKAGE**
[72] SHI, CONG, CN
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-04-29
[86] 2018-10-31 (PCT/CN2018/113211)
[87] (WO2020/087421)

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[25] EN
[54] **ROTATING HANGER RUNNING TOOL**
[54] **OUTIL DE POSE DE DISPOSITIFS DE SUSPENSION ROTATIFS**
[72] COTTON, CRAIG, US
[73] PATRIOT RESEARCH CENTER, LLC, US
[86] (3118264)
[87] (3118264)
[22] 2021-05-14
[30] US (16878300) 2020-05-19

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[51] **Int.Cl. A61K 33/00 (2006.01) A61K 31/047 (2006.01) A61K 31/198 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING INOSITOL-STABILIZED ARGININE SILICATE COMPLEXES AND INOSITOL FOR IMPROVING COGNITIVE FUNCTION IN VIDEO GAMERS**
[54] **COMPOSITIONS CONTENANT DES COMPLEXES DE SILICATE D'ARGININE STABILISES PAR INOSITOL ET INOSITOL POUR AMELIORER LA FONCTION COGNITIVE CHEZ DES JOUEURS DE JEU VIDEO**
[72] KOMOROWSKI, JAMES R., US
[73] NUTRITION 21, LLC, US
[85] 2021-05-03
[86] 2019-10-29 (PCT/US2019/058653)
[87] (WO2020/092431)
[30] US (62/755,093) 2018-11-02

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[51] **Int.Cl. C22B 3/10 (2006.01) C01F 7/20 (2006.01) C01F 7/22 (2006.01) C22B 1/00 (2006.01) C22B 3/44 (2006.01) C22B 21/00 (2006.01) C25B 1/34 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING SMELTER-GRADE ALUMINA FROM LOW-GRADE HIGH-SILICON ALUMINUM-CONTAINING RAW MATERIALS**
[54] **PROCEDE DE PRODUCTION D'ALUMINE METALLURGIQUE DE MATIERES BRUTES QUI CONTIENNENT DE L'ALUMINIUM AVEC UNE TENEUR ELEVEE EN SILICIUM DE QUALITEINFERIEURE**
[72] SENYUTA, ALEKSANDR SERGEEVICH, RU
[72] PANOV, ANDREY VLADIMIROVICH, RU
[72] MIL'SHIN, OLEG NIKOLAEVICH, RU
[72] SLOBODYANYUK, EDUARD ANDREEVICH, RU
[72] SMIRNOV, ANDREY ANDREEVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[86] (3118678)
[87] (3118678)
[22] 2017-09-20
[62] 3,032,938
[30] RU (2016138762) 2016-09-30

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[51] **Int.Cl. A61N 1/18 (2006.01) A61N 1/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR FEEDBACK-BASED NERVE MODULATION**
[54] **APPAREIL ET METHODES DE NEUROMODULATION BASEE SUR LA RETROACTION**
[72] MASHIACH, ADI, IL
[73] NYXOAH SA, BE
[86] (3118745)
[87] (3118745)
[22] 2012-09-28
[62] 2,850,311
[30] US (61/541,651) 2011-09-30
[30] US (61/657,424) 2012-06-08

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[13] C
[51] **Int.Cl. A61B 34/30 (2016.01)**
[25] EN
[54] **OPERATION ENABLING CONTROL SYSTEM AND ROBOT-ASSISTED SURGICAL DEVICE WITH THE SYSTEM**
[54] **SYSTEME DE COMMANDE PERMETTANT UNE OPERATION ET INSTRUMENT CHIRURGICAL ASSISTE PAR ROBOT UTILISANT LE SYSTEME**
[72] XU, KAI, CN
[72] TANG, AOLIN, CN
[73] BEIJING SURGERII ROBOTICS COMPANY LIMITED, CN
[85] 2021-05-06
[86] 2019-12-27 (PCT/CN2019/128986)
[87] (WO2020/135665)
[30] CN (201811610863.5) 2018-12-27

[11] **3,121,309**
[13] C
[51] **Int.Cl. C10L 1/08 (2006.01) C07C 41/56 (2006.01) C10G 3/00 (2006.01) C10G 45/58 (2006.01) C10L 1/185 (2006.01) C10L 10/00 (2006.01)**
[25] EN
[54] **DIESEL FUEL COMPOSITIONS WITH DECREASED PARTICULATE EMISSIONS**
[54] **COMPOSITIONS DE CARBURANT DIESEL A EMISSIONS DE PARTICULES REDUITES**
[72] KOUVA, MERJA, FI
[72] LEHTO, KALLE, FI
[72] KURONEN, MARKKU, FI
[72] TIITTA, MARJA, FI
[72] KIISKI, ULLA, FI
[73] NESTE OYJ, FI
[85] 2021-05-27
[86] 2019-11-25 (PCT/FI2019/050837)
[87] (WO2020/120834)
[30] FI (20186076) 2018-12-14

[11] **3,122,129**
[13] C
[51] **Int.Cl. F25D 29/00 (2006.01)**
[25] EN
[54] **REFRIGERATOR AND METHOD AND DEVICE FOR CONTROLLING REFRIGERATION THEREOF**
[54] **REFRIGERATEUR, ET PROCEDE ET DISPOSITIF DE COMMANDE DE REFRIGERATION POUR CELUI-CI**
[72] FANG, RUIMING, CN
[72] LI, YU, CN
[73] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[73] HEFEI HUALING CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2021-06-04
[86] 2019-01-09 (PCT/CN2019/070989)
[87] (WO2020/142930)

[11] **3,122,155**
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[51] **Int.Cl. B01L 3/02 (2006.01)**
[25] EN
[54] **SUCTION DEVICE FOR PIPETTES**
[54] **DISPOSITIF D'ASPIRATION POUR PIPETTES**
[72] HILGENBERG, INGO, DE
[73] HILGENBERG GMBH, DE
[85] 2021-06-04
[86] 2019-11-26 (PCT/EP2019/082505)
[87] (WO2020/126340)
[30] EP (18213236.5) 2018-12-17

[11] **3,123,018**
[13] C
[51] **Int.Cl. A61M 1/28 (2006.01)**
[25] EN
[54] **VOLUMETRIC STANDARD CASSETTES**
[54] **CASSETTES DE NORME VOLUMETRIQUE**
[72] KAROL, DANIEL SCOTT, US
[72] NORRIS, MATTHEW ALLEN, US
[72] SANTOS, TYLER CHRISTOPHER, US
[72] TIPTON, CHRISTOPHER ALLEN, US
[72] SULJEVIC, ADNAN, US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2021-06-10
[86] 2020-03-19 (PCT/US2020/023556)
[87] (WO2020/191156)
[30] US (62/820,551) 2019-03-19

[11] **3,124,228**
[13] C
[51] **Int.Cl. C07K 16/00 (2006.01) A01K 67/02 (2006.01) C12N 5/10 (2006.01) C12N 5/16 (2006.01) C12N 15/00 (2006.01) C12N 15/13 (2006.01) C12N 15/85 (2006.01) C12P 21/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMALS THAT MAKE SINGLE DOMAIN BINDING PROTEINS**
[54] **ANIMAUX NON HUMAINS QUI PRODUISENT DES PROTEINES DE LIAISON MONODOMAINE**
[72] GURER, CAGAN, US
[72] MACDONALD, LYNN, US
[72] MCWHIRTER, JOHN, US
[72] MURPHY, ANDREW J., US
[73] REGENERON PHARMACEUTICALS, INC., US
[86] (3124228)
[87] (3124228)
[22] 2015-03-20
[62] 2,942,697
[30] US (61/968,905) 2014-03-21
[30] US (61/968,986) 2014-03-21

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[13] C
[51] **Int.Cl. G01L 1/24 (2006.01) G01H 9/00 (2006.01) G01V 1/22 (2006.01)**
[25] EN
[54] **PHASE SENSING WITH REDUNDANT SENSOR DIFFERENCE ERROR DETECTION AND SMART CORRECTION**
[54] **DETECTION DE PHASE A DETECTION D'ERREUR DE DIFFERENCE DE CAPTEUR REDONDANTE ET CORRECTION INTELLIGENTE**
[72] DAILING JR., JOHN HERBERT, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2021-06-22
[86] 2019-01-25 (PCT/US2019/015069)
[87] (WO2020/153967)

[11] **3,124,967**
[13] C
[51] **Int.Cl. C09J 133/04 (2006.01) C08F 220/18 (2006.01) C09J 11/06 (2006.01)**
[25] EN
[54] **ADHESIVE COMPOSITION AND METHODS OF FORMING THE SAME**
[54] **COMPOSITION ADHESIVE ET SES PROCEDES DE FORMATION**
[72] CHAN, NICKY, US
[72] CHEON, KAPSOO, US
[72] GADY, OLIVIA, FR
[72] CUI, YUBO, US
[72] LAI, CHOUNG-HOUNG, US
[72] GORDON, JAMES N., US
[73] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
[85] 2021-06-24
[86] 2019-12-19 (PCT/US2019/067329)
[87] (WO2020/139672)
[30] US (62/786,044) 2018-12-28

[11] **3,125,131**
[13] C
[51] **Int.Cl. H01Q 1/42 (2006.01) H01Q 1/28 (2006.01)**
[25] EN
[54] **CONTINUOUS DIELECTRIC CONSTANT ADAPTATION RADOME DESIGN**
[54] **CONCEPTION DE RADOME A ADAPTATION CONTINUE DE CONSTANTE DIELECTRIQUE**
[72] DESCLOUX, DELPHINE, FR
[72] MAZOYER, SIMON, FR
[72] MIMOUN, EMMANUEL, FR
[73] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US
[85] 2021-06-25
[86] 2019-12-16 (PCT/US2019/066610)
[87] (WO2020/139607)
[30] US (62/786,057) 2018-12-28

[11] **3,125,792**
[13] C
[51] **Int.Cl. A61J 3/00 (2006.01)**
[25] EN
[54] **DEVICE FOR TABLETING A POWDER, LIQUID, PASTE, ENCAPSULATED OR GRANULAR ACTIVE INGREDIENT COMPOSITION**
[54] **DISPOSITIF DE MISE EN COMPRIMES D'UNE COMPOSITION DE PRINCIPES ACTIFS PULVERULENTE, LIQUIDE, PATEUSE, ENCAPSULEE OU GRANULAIRE**
[72] SCHMITT, FRITZ, LU
[73] LUXCAN INNOVATION S.A., LU
[85] 2021-07-06
[86] 2019-12-10 (PCT/DE2019/101067)
[87] (WO2020/143864)
[30] DE (10 2019 000 018.8) 2019-01-07
[30] DE (10 2019 000 016.1) 2019-01-07
[30] DE (10 2019 000 199.0) 2019-01-15

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[13] C
[51] **Int.Cl. B01D 65/08 (2006.01) B08B 17/02 (2006.01) B08B 17/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO INCREASE SURFACE FRICTION ACROSS A HYDROPHOBIC, ANTI-FOULING, AND OLEOPHOBIC COATED SUBSTRATE**
[54] **SYSTEME ET PROCEDE POUR AUGMENTER LE FROTTEMENT DE SURFACE A TRAVERS UN SUBSTRAT REVETU HYDROPHOBE, ANTI-SALISSURES, ET OLEOPHOBE**
[72] KESTER, NORMAN L., US
[72] GILIKISON, DANNY CHARLES, US
[72] POST, PHILLIP H., US
[72] VOIN, PETER, US
[72] GLARUM, JOHN B., US
[73] QUANTUM INNOVATIONS, INC., US
[85] 2021-07-07
[86] 2020-01-15 (PCT/US2020/013586)
[87] (WO2020/159700)
[30] US (62/798,366) 2019-01-29
[30] US (16/674,905) 2019-11-05

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[13] C
[51] **Int.Cl. H04W 72/232 (2023.01) H04L 1/1812 (2023.01) H04W 72/1273 (2023.01)**
[25] EN
[54] **INFORMATION SENDING METHOD AND APPARATUS, INFORMATION RECEIVING METHOD AND APPARATUS, BASE STATION, TERMINAL, AND COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL D'ENVOI D'INFORMATIONS, PROCEDE ET APPAREIL DE RECEPTION D'INFORMATIONS, STATION DE BASE, TERMINAL ET SYSTEME DE COMMUNICATION**
[72] LIU, KUN, CN
[72] DAI, BO, CN
[72] YANG, WEIWEI, CN
[72] FANG, HUIYING, CN
[72] BIAN, LUANJIAN, CN
[72] HU, YOUJUN, CN
[73] ZTE CORPORATION, CN
[85] 2021-07-21
[86] 2020-01-20 (PCT/CN2020/073227)
[87] (WO2020/151661)
[30] CN (201910054154.1) 2019-01-21

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[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **PALATABLE FORMULATIONS**
[54] **FORMULATIONS PLAISANTE AU GOUT**
[72] SINGH, PARAMJIT, IN
[72] PANDA, DEBENDRA KUMAR, IN
[72] PRICE, JEFFREY ELLIS, US
[72] BADHAN, ATUL CHHAGAN, IN
[72] CUNNINGHAM, NICHOLAS FINN, US
[73] ZOETIS SERVICES LLC, US
[85] 2021-07-22
[86] 2020-02-19 (PCT/US2020/018762)
[87] (WO2020/172232)
[30] US (62/807,871) 2019-02-20

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[13] C
[51] **Int.Cl. F16G 13/16 (2006.01) H02G 11/00 (2006.01)**
[25] EN
[54] **OPERATIONALLY STABLE SIDE PLATE FOR AN ENERGY CHAIN**
[54] **MAILLON LATERAL DE CHAINE PORTE-CABLES DE CONCEPTION RESISTANTE AU FONCTIONNEMENT**
[72] HERMEY, ANDREAS, DE
[72] JAEKER, THILO-ALEXANDER, DE
[72] THEISS, GEORG, DE
[72] STRACK, STEFAN, DE
[73] IGUS GMBH, DE
[85] 2021-07-23
[86] 2020-01-22 (PCT/EP2020/051520)
[87] (WO2020/152221)
[30] DE (20 2019 100 465.7) 2019-01-25

[11] **3,127,814**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01) C12N 5/071 (2010.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **CRISPR/CAS DROPOUT SCREENING PLATFORM TO REVEAL GENETIC VULNERABILITIES ASSOCIATED WITH TAU AGGREGATION**
[54] **PLATE-FORME DE CRIBLAGE CRISPR/CAS POUR REVELER DES VULNERABILITES GENETIQUES ASSOCIEES A UNE AGREGATION DE TAU**
[72] PRISSETTE, MARINE, US
[72] KOSS, MATTHEW, US
[72] BAI, YU, US
[72] ZAMBROWICZ, BRIAN, US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2021-07-23
[86] 2020-03-17 (PCT/US2020/023121)
[87] (WO2020/190927)
[30] US (62/820,101) 2019-03-18

[11] **3,128,194**
[13] C
[51] **Int.Cl. D06F 39/20 (2024.01) D06F 33/46 (2020.01)**
[25] EN
[54] **CONTROLLER FOR A RINSE WATER REUSE SYSTEM AND METHODS OF USE**
[54] **DISPOSITIF DE COMMANDE DUN SYSTEME DE REUTILISATION D'EAU DE RINCAGE ET PROCEDES D'UTILISATION**
[72] MONSRUD, LEE, US
[72] GHOSH, KAUSTAV, US
[72] TAYLOR, BARRY R., US
[72] PAULSON-VU, LOAN, US
[72] MUEGGENBORG, BROCK, US
[73] ECOLAB USA INC., US
[85] 2021-07-28
[86] 2020-01-31 (PCT/US2020/016145)
[87] (WO2020/160429)
[30] US (62/799,440) 2019-01-31

[11] **3,128,517**
[13] C
[51] **Int.Cl. E04B 9/22 (2006.01)**
[25] EN
[54] **CEILING PANEL**
[54] **PANNEAU DE PLAFOND**
[72] TANAKA, KOYA, JP
[72] OKADA, YOSHIHIRO, JP
[72] ONO, TATSUJI, JP
[73] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2021-08-24
[86] 2020-01-30 (PCT/JP2020/003459)
[87] (WO2020/174999)
[30] JP (2019-035241) 2019-02-28

[11] **3,132,052**
[13] C
[51] **Int.Cl. C11D 3/30 (2006.01) C11D 1/00 (2006.01) C11D 3/00 (2006.01)**
[25] EN
[54] **LIQUID PRODUCT FOR STAINLESS-STEEL CORROSION REMEDIATION**
[54] **PRODUIT LIQUIDE POUR LA REPARATION DE LA CORROSION D'ACIER INOXYDABLE**
[72] SMITH, THOMAS WILLIAM, US
[72] KAISER, NANCY-HOPE ELIZABETH, US
[72] FIX, KATHLEEN ANN, US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2021-08-30
[86] 2020-01-30 (PCT/US2020/015778)
[87] (WO2020/185320)
[30] US (16/352,171) 2019-03-13

[11] **3,132,459**
[13] C
[51] **Int.Cl. A46B 13/02 (2006.01) A61C 17/24 (2006.01) A61C 17/26 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **AN ELECTRIC TOOTHBRUSH AND A BRUSH HEAD FOR THE SAME**
[54] **BROSSE A DENTS ELECTRIQUE ET TETE DE BROSSE POUR CELLE-CI**
[72] HUY, GERHART P., US
[73] CHURCH & DWIGHT CO., INC., US
[85] 2021-09-02
[86] 2020-03-05 (PCT/IB2020/051922)
[87] (WO2020/183304)
[30] US (62/815,815) 2019-03-08

[11] **3,132,622**
[13] C
[51] **Int.Cl. B01J 21/08 (2006.01) B01J 23/04 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) C07C 51/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PRODUCTION OF A CATALYST, A CATALYST THEREFROM AND A PROCESS FOR PRODUCTION OF ETHYLENICALLY UNSATURATED CARBOXYLIC ACIDS OR ESTERS**
[54] **PROCESSUS DE PRODUCTION D'UN CATALYSEUR, CATALYSEUR OBTENU A PARTIR DE CELUI-CI ET PROCESSUS DE PRODUCTION D'ACIDES OU D'ESTERS CARBOXYLIQUES ETHYLENIQUEMENT INSATURES**
[72] CULLEN, ADAM, GB
[72] NINOMIYA, WATARU, JP
[73] MITSUBISHI CHEMICAL UK LIMITED, GB
[85] 2021-09-03
[86] 2020-03-13 (PCT/GB2020/050644)
[87] (WO2020/183193)
[30] GB (1903455.2) 2019-03-13

[11] **3,132,644**
[13] C
[51] **Int.Cl. G06F 9/455 (2018.01) G06F 9/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF DETECTING APPLICATION AFFINITY USING NETWORK TELEMETRY**
[54] **SYSTEME ET PROCEDE DE DETECTION D'UNE AFFINITE D'APPLICATIONS A L'AIDE D'UNE TELEMESURE DE RESEAU**
[72] ENGUEHARD, MARCEL PAUL SOSTHENE, FR
[72] DESMOUCEAUX, YOANN, FR
[72] SAMAIN, JACQUES OLIVIER, FR
[73] CISCO TECHNOLOGY, INC., US
[85] 2021-09-03
[86] 2020-04-02 (PCT/US2020/026361)
[87] (WO2020/206102)
[30] US (16/375,798) 2019-04-04

[11] **3,132,658**
[13] C
[51] **Int.Cl. H04L 41/082 (2022.01) H04W 8/18 (2009.01) H04W 4/50 (2018.01)**
[25] EN
[54] **CLOUD ENABLING OF LEGACY TRUSTED NETWORKING DEVICES FOR ZERO TOUCH PROVISIONING AND ENTERPRISE AS A SERVICE**
[54] **ACTIVATION EN NUAGE DE DISPOSITIFS DE RESEAUTAGE DE CONFIANCE EXISTANTS POUR ZERO TOUCH PROVISIONING ET ENTREPRISE EN TANT QUE SERVICE**
[72] JAIN, PRAKASH C., US
[72] HOODA, SANJAY KUMAR, US
[73] CISCO TECHNOLOGY, INC., US
[85] 2021-09-03
[86] 2020-03-25 (PCT/US2020/024723)
[87] (WO2020/205370)
[30] US (16/375,574) 2019-04-04

[11] **3,132,797**
[13] C
[51] **Int.Cl. A01N 43/80 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **AQUEOUS AGROCHEMICAL SUSPENSION COMPOSITION AND METHOD FOR SPRAYING SAME**
[54] **COMPOSITION DE SUSPENSION AGROCHIMIQUE AQUEUSE ET SON PROCEDE DE PULVERISATION**
[72] YOKOYAMA, WAKI, JP
[73] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP
[85] 2021-09-07
[86] 2020-03-04 (PCT/JP2020/009158)
[87] (WO2020/189282)
[30] JP (2019-050487) 2019-03-18

[11] **3,132,895**
[13] C
[51] **Int.Cl. A61K 31/4375 (2006.01) A61K 31/438 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **USES OF PHOSPHODIESTERASE INHIBITORS**
[54] **UTILISATIONS D'INHIBITEURS DE LA PHOSPHODIESTERASE**
[72] SHENG, ZEJUAN, CN
[72] WU, FRANK, CN
[73] TRANSTHERA SCIENCES (NANJING), INC., CN
[85] 2021-09-08
[86] 2020-03-06 (PCT/CN2020/078215)
[87] (WO2020/182076)
[30] CN (201910174522.6) 2019-03-08
[30] CN (201910235722.8) 2019-03-27

[11] **3,135,254**
[13] C
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[54] **ADMINISTRATION ET SUIVI DU MONOXYDE D'AZOTE DANS LES FLUIDESEX VIVO**
[72] COOPER, LISA, US
[72] COSTA, EDDIE, US
[72] GRIEBEL, JEFF, US
[72] HANSELL, DOUGLAS R., US
[72] POTENZIANO, JIM, US
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[54] **METHOD FOR PROCESSING ELECTRONIC/ELECTRICAL DEVICE COMPONENT SCRAPS**
[54] **PROCEDE DE TRAITEMENT DE DECHETS DE COMPOSANTS DE DISPOSITIFS ELECTRONIQUES/ELECTRIQUES**
[72] AOKI, KATSUSHI, JP
[72] SASAOKA, HIDETOSHI, JP
[72] TAKEDA, TSUBASA, JP
[73] JX METALS CORPORATION, JP
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[54] **APP LOGIN VERIFICATION METHOD AND DEVICE AND COMPUTER READABLE STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE VERIFICATION DE CONNEXION A UNE APPLICATION ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] DING, JINFEI, CN
[73] 10353744 CANADA LTD., CA
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[54] **RESTRICTION SUR L'APPLICABILITE D'UN MODE DE COMPOSANTE TRANSVERSALE**
[72] DENG, ZHIPIN, CN
[72] ZHANG, LI, US
[72] LIU, HONGBIN, CN
[72] ZHANG, KAI, US
[72] XU, JIZHENG, US
[73] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
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[54] **DISPOSITIF DE SOIN POUR OFFRIR DE L'AIDE DANS UNE ACTIVITE DE LEVAGE**
[72] NOMURA, HIDEAKI, JP
[72] TAKAHASHI, RYU, JP
[72] SHIMIZU, SATOSHI, JP
[73] FUJI CORPORATION, JP
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[72] ACHTEN, GEORG, DE
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[54] **CONSTRAINTS ON QUANTIZED RESIDUAL DIFFERENTIAL PULSE CODE MODULATION REPRESENTATION OF CODED VIDEO**
[54] **CONTRAINTES SUR LA REPRESENTATION D'UNE MODULATION DIFFERENTIELLE PAR IMPULSIONS CODEES DE RESIDU QUANTIFIE POUR UNE VIDEO CODEE**
[72] ZHU, WEIJIA, US
[72] ZHANG, LI, US
[72] XU, JIZHENG, US
[72] CHUANG, HSIAO CHIANG, US
[73] BYTEDANCE INC., US
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[54] **SYSTEME DE GESTION DE PRESENTATION**
[72] SEKINE, KIYOSHI, JP
[73] INTERACTIVE SOLUTIONS CORP., JP
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[54] **CATALYST COMPRISING COKE AND PROCESS FOR THE PRODUCTION OF DIENES**
[54] **CATALYSEUR COMPRENANT DU COKE ET PROCESSUS DE PRODUCTION DE DIENES**
[72] VELASQUEZ OCHOA, JULIANA, IT
[72] CAVANI, FABRIZIO, IT
[72] TOSI, IRENE, IT
[72] FARCI, ERIKA, IT
[72] VECCHINI, NICOLA, IT
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[54] **FOUR A MICRO-ONDES INTEGRE**
[72] FENG, LIANGWANG, CN
[72] LI, FENG, CN
[73] GUANGDONG GALANZ ENTERPRISES CO., LTD., CN
[73] GUANGDONG GALANZ MICROWAVE ELECTRICAL APPLIANCES MANUFACTURING CO., LTD., CN
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[72] TJALMA, LIBBE FOEKES, NL
[72] SPELBRINK, ROBIN ERIC JACOBUS, NL
[72] LAUS, MARC CHRISTIAAN, NL
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[54] **DISPOSITIF DE CHAUFFAGE DE CIGARETTE ELECTRONIQUE SANS CONTACT**
[72] ZHU, XIAOHUA, CN
[72] XIONG, ZHAORONG, CN
[72] FU, ZENGXUE, CN
[72] YU, XIANGYI, CN
[72] LIU, MAOQI, CN
[73] XIAMEN FENGTAO CERAMICS CO., LTD, CN
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[54] **PREDICTION MODELISEE DANS UN BANC DE FILTRES A ECHANTILLONNAGE CRITIQUE**
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[54] **COMPOSES ORGANIQUES MOINS CORROSIFS UTILISES COMME ADDITIFS POUR LUBRIFIANTS**
[72] CASEY, BRIAN M., US
[72] GATTO, VINCENT J., US
[73] VANDERBILT CHEMICALS, LLC, US
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[54] **ALK PROTEIN REGULATOR AND ANTI-TUMOR APPLICATION THEREOF**
[54] **REGULATEUR DE PROTEINE ALK ET SON APPLICATION ANTITUMORALE**
[72] YANG, XIAOBAO, CN
[72] JIANG, BIAO, CN
[72] SONG, XIAOLING, CN
[72] SUN, NING, CN
[72] REN, CHAOWEI, CN
[72] KONG, YING, CN
[72] ZHANG, JIANSHUI, CN
[72] CHEN, JINJU, CN
[72] LI, YAN, CN
[72] ZHOU, YUEDONG, CN
[73] SHANGHAITECH UNIVERSITY, CN
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[54] **SAND DISCHARGE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE DECHARGEMENT DE SABLE**
[72] PITCHER, JASON, US
[73] BATFER INVESTMENT S.A., UY
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[54] **A METHOD FOR MANUFACTURING AN ASSEMBLY**
[54] **PROCEDE DE FABRICATION D'UN ASSEMBLAGE**
[72] PERLADE, ASTRID, FR
[72] MUSIK, CELINE, FR
[72] KACZYNSKI, CHRISTINE, FR
[72] BENLATRECHE, YACINE, FR
[72] CAVALLOTTI, REMI, FR
[73] ARCELORMITTAL, LU
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[54] **CPU HEAT DISSIPATION APPARATUS OF INDUSTRIAL CONTROL COMPUTER AND USING METHOD THEREOF**
[54] **APPAREIL DE DISSIPATION THERMIQUE DE CPU D'ORDINATEUR PILOTE INDUSTRIEL ET METHODE D'UTILISATION**
[72] HUANG, YONGZHENG, CN
[73] ADVANTECH TECHNOLOGY (CHINA) CO., LTD., CN
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[54] **SYSTEMES ET PROCEDES FOURNISSANT UNE PASSERELLE DE MICROSERVICES MULTI-CLOUD A L'AIDE D'UN PROXY SIDE-CAR**
[72] MESTERY, KYLE ANDREW DONALD, US
[72] TOLLET, JEROME, FR
[72] WELLS, IAN, US
[72] AUGUSTIN, ALOYS CHRISTOPHE, FR
[73] CISCO TECHNOLOGY, INC., US
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[54] **METHODES DE DECODAGE ET DE CODAGE D'IMAGE ET APPAREIL CONNEXE**
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[72] KIM, SEUNGHWAN, KR
[72] ZHAO, JIE, KR
[73] LG ELECTRONICS INC., KR
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[54] **METHOD AND APPARATUS FOR MONITORING A FLOW FIELD OF A PARTICLE JET**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE CHAMP D'ECOULEMENT D'UN JET DE PARTICULES**
[72] LARJO, JUSSI PEKKA, FI
[73] OSEIR OY, FI
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[54] **SYSTEME DE DETERMINATION DE PARAMETRES ELECTRIQUES D'UN RESEAU ELECTRIQUE**
[72] BERRY, BRIAN, GB
[72] VENTOLA, MIKA, GB
[72] GHEORGHE, DANIEL, GB
[72] PELTOLA, TIMO, GB
[72] ALAKONTIOLA, JUKKA, GB
[73] REACTIVE TECHNOLOGIES LIMITED, GB
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[54] **AUTOMATED ROOM SHAPE DETERMINATION USING VISUAL DATA OF MULTIPLE CAPTURED IN-ROOM IMAGES**
[54] **DETERMINATION AUTOMATISEE DE LA FORME D'UNE PIECE AU MOYEN DE DONNEES VISUELLES PROVENANT DE MULTIPLES IMAGES ENREGISTREES DANS LA PIECE**
[72] LI, YUGUANG, US
[72] BOYADZHIEV, IVAYLO, US
[72] BUEHLER, CHRISTOPHER, US
[72] HUTCHCROFT, WILL ADRIAN, US
[73] MFTB HOLDCO, INC., US
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[54] **COMPOSITION ET METHODE D'INHIBITION DE L'ACCUMULATION, L'AGREGATION ET LA FORMATION D'ENCHEVETREMENTS DE PROTEINE TAU**
[72] KIM, TAE GYUN, KR
[73] INNOPEUTICS CORPORATION, KR
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[54] **PERSONNEL TRACKING AND DISINFECTING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE SUIVI ET DE DESINFECTION DES MEMBRES DU PERSONNEL**
[72] CHENG, CHIA-JEN, TW
[72] TSAI, CHIH-WEI, TW
[72] WANG, CHIH-HSIEN, TW
[73] DELTA ELECTRONICS, INC., CN
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[54] **DISPOSITIF DE FIXATION DE SUTURES A DECHARGES MULTIPLES**
[72] SMITH, KEVIN W., US
[72] MENDEZ, MAX PIERRE, US
[72] PALMER, MATTHEW A., US
[72] MCBRAYER, M. SEAN, US
[72] DEVILLE, DEREK DEE, US
[72] CARTLEDGE, RICHARD, US
[72] KLINE, KOREY, US
[72] RIVERA, CARLOS, US
[72] NUNEZ, GEORGE, US
[72] BALES, THOMAS O., JR., US
[73] EDWARDS LIFESCIENCES AG, FR
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[54] **COMPOSITIONS DE NETTOYAGE ANTIMICROBIENNES COMPRENANT UN INGREDIENT ACTIF DE BISBIGUANIDE**
[72] EL YACOUBI, KAMEL, FR
[72] GREBOVAL, ELODIE, FR
[72] TOREST, JOHANNA, FR
[72] STROHL, PHILIPPE, FR
[73] GOJO INDUSTRIES, INC., US
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[54] **SMART-HOME HAZARD DETECTOR PROVIDING CONTEXT SPECIFIC FEATURES AND/OR PRE-ALARM CONFIGURATIONS**
[54] **DETECTEUR DE RISQUE POUR MAISON INTELLIGENTE, PERMETTANT D'OBTENIR DES CARACTERISTIQUES SPECIFIQUES A UN CONTEXTE ET/OU DES CONFIGURATIONS DE PRE-ALARME**
[72] SLOO, DAVID, US
[72] WEBB, NICK, US
[72] FADELL, ANTHONY M., US
[72] DIXON, MICHAEL, US
[72] MATSUOKA, YOKY, US
[72] PETERSON, KEVIN, US
[72] ROGERS, MATTHEW L., US
[73] GOOGLE LLC, US
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[54] **SYSTEME PORTABLE DE POSITIONNEMENT ET D'ODOMETRIE**
[72] KINIO, WALTER, CA
[72] ROCHEFORT, RUDY, CA
[72] GREEN, ALON, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
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[54] **METHOD FOR CBTC SYSTEM MIGRATION USING AUTONOMY PLATFORM**
[54] **PROCEDE DE MIGRATION DE SYSTEME CBTC A L'AIDE D'UNE PLATEFORME D'AUTONOMIE**
[72] KINIO, WALTER, CA
[72] ROCHEFORT, RUDY, CA
[72] GREEN, ALON, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
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[54] **DEVICES AND METHODS FOR USE WITH CHEMICAL VAPOUR SAMPLING MATERIAL**
[54] **DISPOSITIFS ET PROCEDES DESTINES A ETRE UTILISES AVEC UN MATERIAU D'ECHANTILLONNAGE DE VAPEUR CHIMIQUE**
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[73] THE COMMONWEALTH OF AUSTRALIA, AU
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[54] **DICYCLOPENTADIENE AS AN OIL SWELLABLE PACKER MATERIAL**
[54] **DICYCLOPENTADIENE EN TANT QUE MATERIAU DE GARNITURE D'ETANCHEITE POUVANT GONFLER AVEC DE L'HUILE**
[72] SMITH, CHARLES TIMOTHY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR PERFORMING CHROMA DEBLOCKING FOR BLOCKS WHICH USE JOINT CHROMA CODING**
[54] **ENCODEUR, DECODEUR ET PROCEDES CORRESPONDANTS POUR EFFECTUER UN DEGROUPAGE DE CHROMINANCE POUR DES BLOCS QUI UTILISENT UN CODAGE DE CHROMINANCE JOINTE**
[72] KOTRA, ANAND MEHER, DE
[72] ALSHINA, ELENA ALEXANDROVNA, DE
[72] ESENLIK, SEMIH, DE
[72] WANG, BIAO, DE
[72] GAO, HAN, DE
[72] CHERNYAK, ROMAN IGOREVICH, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **METHODS AND SYSTEMS TO SIGNAL INTER-LAYER ENABLED SYNTAX ELEMENT IN VIDEO CODING**
[54] **METHODES ET SYSTEMES POUR SIGNALER UN ELEMENT DE SYNTAXE A INTERCOUCHE ACTIVEE DANS LE CODAGE VIDEO**
[72] MA, XIANG, CN
[72] YANG, HAITAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-03-24
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[54] **USER-DEFINED ALGORITHM ELECTRONIC TRADING**
[54] **ALGORITHME DEFINI PAR L'UTILISATEUR POUR LA BOURSE EN LIGNE**
[72] LANE, RICHARD, US
[72] UNETICH, MICHAEL, US
[72] LIDOR, DANIEL, US
[72] EDWARDS, NATHAN, US
[73] TRADING TECHNOLOGIES INTERNATIONAL, INC., US
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[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN**
[54] **SYSTEMES ET PROCEDES POUR PLACER UNE OU PLUSIEURS DERIVATIONS DANS UN TISSU POUR STIMULER ELECTRIQUEMENT DES NERFS DE PASSAGE POUR TRAITER LA DOULEUR**
[72] BOGGS, JOSEPH W., II, US
[73] SPR THERAPEUTICS, INC., US
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[54] **MAXWELL PARALLEL IMAGING**
[54] **IMAGERIE PARALLELE MAXWELL**
[72] FERNANDEZ VILLENA, JORGE, PT
[72] LEFKIMMIATIS, STAMATIOS, GR
[72] POLYMERIDIS, ATHANASIOS, GR
[72] TAYLI, DORUK, US
[73] Q BIO, INC., US
[85] 2022-03-04
[86] 2020-09-25 (PCT/US2020/052717)
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[54] **AUTOMATED BUILDING FLOOR PLAN GENERATION USING VISUAL DATA OF MULTIPLE BUILDING IMAGES**
[54] **GENERATION AUTOMATIQUE D'UN PLAN D'ETAGE DE BATIMENT AU MOYEN DE DONNEES VISUELLES DE MULTIPLES IMAGES DE BATIMENT**
[72] LAMBERT, JOHN W., US
[72] LI, YUGUANG, US
[72] BOYADZHIEV, IVAYLO, US
[72] WIXSON, LAMBERT E., US
[73] MFTB HOLDCO, INC., US
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[87] (3154186)
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[54] **APPARATUS AND METHODS FOR MULTICARRIER UNLICENSED HETEROGENEOUS CHANNEL ACCESS**
[54] **APPAREIL ET PROCEDES D'ACCES A UN CANAL HETEROGENE SANS LICENCE MULTIPORTEUSE**
[72] MUKHERJEE, AMITAV, US
[72] VAIDYA, MAULIK, US
[73] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2022-03-11
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[54] **HAIRDRYER**
[54] **SECHE-CHEVEUX**
[72] CEVA, CARLOS JOSE, IT
[73] GA.MA S.R.L, IT
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[86] 2020-11-03 (PCT/IB2020/060292)
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[54] **SYSTEM FOR CONNECTING IMPLEMENT TO MOBILE MACHINERY**
[54] **SYSTEME POUR RELIER UN OUTIL A DES MACHINES MOBILES**
[72] MOLLICK, PETER J., US
[73] MOLLICK, PETER J., US
[86] (3158056)
[87] (3158056)
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[25] EN
[54] **A CONTROL METHOD FOR WINDING DEFORMATION OF FIBER FABRIC AND A FORMING MOULD THEREOF**
[54] **PROCEDE DE MAITRISE DE DEFORMATION D'ENROULEMENT DE TISSU EN FIBRES ET MOULE DE FORMAGE DE CE DERNIER**
[72] KONG, WEIYI, CN
[72] ZHANG, XUAN, CN
[72] ZHANG, JIAN, CN
[73] AECC COMMERCIAL AIRCRAFT ENGINE CO., LTD., CN
[85] 2022-04-22
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[13] C
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[25] EN
[54] **ARTIFICIAL INTELLIGENCE BASED COMPLIANCE DOCUMENT PROCESSING**
[54] **TRAITEMENT DE DOCUMENT D'OBSERVATION FONDE SUR L'INTELLIGENCE ARTIFICIELLE**
[72] MATIAS, JOVEN, US
[72] YU, JAY JIE-BING, US
[72] SINGH, ANU, US
[72] WEI, LING FENG, US
[73] INTUIT INC., US
[86] (3159028)
[87] (3159028)
[22] 2022-05-17
[30] US (17/491,495) 2021-09-30

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[51] **Int.Cl. B01L 3/00 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **APPARATUS AND ASSOCIATED METHODS FOR REDUCING FLUID IN BIOPSY TISSUE HANDLING SYSTEM FOR IMPROVING IMAGING QUALITY**
[54] **APPAREIL ET PROCEDES ASSOCIES POUR REDUIRE UN FLUIDE DANS UN SYSTEME DE MANIPULATION DE TISSU DE BIOPSIE POUR AMELIORER LA QUALITE D'IMAGERIE**
[72] DEFREITAS, KENNETH F., US
[72] STANGO, TIM, US
[72] FARBIZIO, TOM, US
[73] HOLOGIC, INC., US
[85] 2022-04-25
[86] 2020-11-25 (PCT/US2020/062181)
[87] (WO2021/108515)
[30] US (62/941,395) 2019-11-27

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[54] **DOOR MOVEMENT SYSTEM FOR CABINET**
[54] **SYSTEME DE MOUVEMENT DE PORTE POUR UNE ARMOIRE**
[72] LESSARD, CAROL, US
[72] MICHALKO, KELLY, US
[73] CARTER-HOFFMANN, LLC, US
[85] 2022-04-25
[86] 2021-04-22 (PCT/US2021/028574)
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[30] US (63/015,931) 2020-04-27
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[51] **Int.Cl. F04D 29/40 (2006.01) B60K 8/00 (2006.01) B63H 1/12 (2006.01) B64C 11/00 (2006.01) F01D 1/08 (2006.01) F01D 17/12 (2006.01) F04D 17/08 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR ROTATING THRUST-PRODUCING APPARATUS**
[54] **SYSTEME DE COMMANDE POUR UN APPAREIL DE PRODUCTION DE POUSSEE ROTATIVE**
[72] QUINN, STEVEN P., US
[73] QUINN AEROSPACE INC., US
[86] (3159999)
[87] (3159999)
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[54] **DEVICE ABSTRACTION PROXY**
[54] **MANDATAIRE D'ABSTRACTION DE DISPOSITIF**
[72] GOLDBURG, MARC, US
[72] BEDNARZ, PHILIP, US
[73] ADAPTIVE SPECTRUM AND SIGNAL ALIGNMENT, INC., US
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[25] EN
[54] **HETEROGENEOUS GRAPH EMBEDDING**
[54] **INCORPORATION DE GRAPHIQUE HETEROGENE**
[72] ZHAO, RUNHUA, US
[73] INTUIT INC., US
[85] 2022-05-25
[86] 2021-08-13 (PCT/US2021/045865)
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[25] EN
[54] **ACCOUNT AUTHENTICATION USING SYNTHETIC MERCHANTS**
[54] **AUTHENTIFICATION DE COMPTE AU MOYEN DE MARCHAND SYNTHETIQUE**
[72] EDWARDS, JOSHUA, US
[72] MELENDEZ, JENNY, US
[72] MAIMAN, TYLER, US
[72] SEPTIMUS, DAVID, US
[72] CHAUDHARY, VIRAJ, US
[72] RAPOWITZ, SAMUEL, US
[72] MILLER, DANIEL, US
[73] CAPITAL ONE SERVICES, LLC, US
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[54] **DEVICE AND METHOD FOR SEPARATION OF COMPONENTS OF A SAMPLE**
[54] **DISPOSITIF ET PROCEDE DE SEPARATION DE COMPOSANTS D'UN ECHANTILLON**
[72] VYORAL, DANIEL, CZ
[72] KRIJT, MATYAS, CZ
[73] USTAV HEMATOLOGIE A KREVNI TRANSFUZE, CZ
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[30] CZ (PUV 2020-37201) 2020-01-31
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[54] **VIRTUAL MACHINE PERFECT FORWARD SECRECY**
[54] **CONFIDENTIALITE DE TRANSMISSION PARFAITE DE MACHINE VIRTUELLE**
[72] GREEN, MATTHEW, AU
[72] MADINENI, NARAYANA ADITYA, AU
[72] GRAY, MICHAEL, AU
[72] MCLEAN, LEIGH, AU
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[25] EN
[54] **CONFIGURING A DEEP BRAIN STIMULATION (DBS) SYSTEM TO TREAT A NEUROLOGICAL DISORDER**
[54] **CONFIGURATION D'UN SYSTEME DE STIMULATION CEREBRALE PROFONDE (DBS) POUR TRAITER UN TROUBLE NEUROLOGIQUE**
[72] MACHADO, ANDRE, US
[72] GOPALAKRISHNAN, RAGHAVAN, US
[72] BAKER, KENNETH, US
[73] THE CLEVELAND CLINIC FOUNDATION, US
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[86] 2021-01-21 (PCT/US2021/014283)
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[25] EN
[54] **AQUEOUS DISPERSION OF ACRYLATE-SILOXANE COPOLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES DE COPOLYMERE D'ACRYLATE-SILOXANE**
[72] BUSS, HILDA G., US
[72] CARTER, MATTHEW, US
[72] EVEN, RALPH C., US
[72] FISK, JASON S., US
[72] JELETIC, MATTHEW, US
[72] KUO, TZU-CHI, US
[72] LAN, TIAN, US
[72] LIU, NANGUO, US
[72] MCCULLOCH, BRYAN L., US
[72] MECCA, JODI M., US
[72] NOWBAHAR, ARASH R., US
[72] RATANI, TANVI S., US
[72] SATHIOSATHAM, MUHUNTHAN, US
[72] WOODWORTH, RICHARD P., US
[72] ZENG, FANWEN, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] DOW SILICONES CORPORATION, US
[73] ROHM AND HAAS COMPANY, US
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[87] (WO2021/163085)
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[51] **Int.Cl. H04W 68/00 (2009.01) H04W 16/06 (2009.01)**
[25] EN
[54] **DYNAMIC RECLAMATION OF RESOURCES RESERVED FOR FORWARD COMPATIBILITY**
[54] **RECUPERATION DYNAMIQUE DE RESSOURCES RESERVEES POUR UNE COMPATIBILITE ASCENDANTE**
[72] NAM, WOOSEOK, US
[72] LUO, TAO, US
[72] AKKARAKARAN, SONY, US
[72] JOHN WILSON, MAKESH PRAVIN, US
[72] NAGARAJA, SUMEETH, US
[72] CHAKRABORTY, KAUSHIK, US
[72] CHEN, SHENGBO, US
[72] WANG, XIAO FENG, US
[73] QUALCOMM INCORPORATED, US
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[87] (3167330)
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[51] **Int.Cl. A61M 1/34 (2006.01) A61M 60/113 (2021.01) A61M 60/50 (2021.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **WEARABLE HEMOFILTRATION ARTIFICIAL KIDNEY**
[54] **REIN ARTIFICIEL D'HEMOFILTRATION PORTATIF**
[72] CAMPBELL, GORDON JOHN, CA
[72] LINDSAY, ROBERT MCGREGOR, CA
[72] TREESH, SALEM, CA
[72] HUANG, SHIH HAN, CA
[72] RUPAR, CHARLES ANTHONY, CA
[72] BARBEITO, ROBERT GONZALES, CA
[73] VOLUTROL INC., CA
[86] (3169290)
[87] (3169290)
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[25] EN
[54] **STEERING SYSTEM FOR USE WITH A DRILL STRING**
[54] **SYSTEME D'ORIENTATION DESTINE A ETRE UTILISE AVEC UN TRAIN DE TIGES DE FORAGE**
[72] CHAMBERS, LARRY DELYNN, US
[72] DEOLALIKAR, NEELESH V., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3169912)
[87] (3169912)
[22] 2018-02-02
[62] 3,083,348
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[51] **Int.Cl. A01K 67/033 (2006.01) A23K 10/30 (2016.01) A23K 50/90 (2016.01)**
[25] EN
[54] **METHOD FOR PRECISE INDOOR MASS REARING OF THE RICE STRIPED STEM BORER [CHILO SUPPRESSALIS (WALKER)] ON RICE SEEDLINGS**
[54] **METHODE D'ELEVAGE DE MASSE INTERIEUR PRECIS DU PERCEUR ASIATIQUE DU RIZ [CHILO SUPPRESSALIS (WALKER)] SUR LES SEMIS DE RIZ**
[72] XU, LU, CN
[72] ZHAO, JUN, CN
[72] LIU, BAOSHENG, CN
[72] ZHAO, CHUNQING, CN
[72] XU, DEJIN, CN
[72] XU, GUANGCHUN, CN
[72] HAN, ZHAOJUN, CN
[73] JIANGSU ACADEMY OF AGRICULTURAL SCIENCES, CN
[85] 2022-08-29
[86] 2022-06-02 (PCT/CN2022/096860)
[87] (3171644)
[30] CN (202111486141.5) 2021-12-07

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[25] EN
[54] **PRESSURE VESSEL TEMPERATURE CONTROL FOR BULK PROCESSING IN HIGH PRESSURE APPLICATION**
[54] **REGULATION DE TEMPERATURE DE RECIPIENT A PRESSION POUR TRAITEMENT EN VRAC DANS UNE APPLICATION A HAUTE PRESSION**
[72] MALMBERG, KARL MAGNUS, US
[72] VIBERG, JAN OLOF, US
[72] FULLENKAMP, ALAN C., US
[72] MORRISON, CHRISTOPHER ROBIN, US
[73] AVURE TECHNOLOGIES INCORPORATED, US
[85] 2022-08-17
[86] 2021-03-24 (PCT/US2021/023977)
[87] (WO2021/195276)
[30] US (63/001,113) 2020-03-27
[30] US (63/006,550) 2020-04-07

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[51] **Int.Cl. C23C 24/08 (2006.01) C04B 28/26 (2006.01) C04B 28/34 (2006.01) C09D 1/02 (2006.01)**
[25] EN
[54] **CHROMATE-FREE CERAMIC COMPOSITIONS WITH REDUCED CURING TEMPERATURE**
[54] **COMPOSITIONS DE CERAMIQUE SANS CHROMATE AYANT UNE TEMPERATURE DE DURCISSEMENT REDUITE**
[72] BELOV, IRINA, US
[72] LEWIS, THOMAS F., US
[73] PRAXAIR S.T. TECHNOLOGY, INC., US
[85] 2022-09-16
[86] 2021-03-22 (PCT/US2021/023455)
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[72] TONER, CHRISTOPHER M., US
[73] DYNAMIC ACCESSION LLC, US
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[72] QIU, YINLI, CN
[72] GUO, QIANG, CN
[72] YU, MINQUAN, CN
[72] ZHAO, SONG, CN
[72] LI, QUXIANG, CN
[72] JING, PENG, CN
[72] HOU, YUANYUAN, CN
[72] DONG, YINGYING, CN
[72] WU, GUOSHENG, CN
[72] ZHANG, SHUANG, CN
[72] LU, AIJUN, CN
[73] JIANGSU NHWA PHARMACEUTICAL CO., LTD, CN
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[54] **EXTRACTION D'ALCALOIDE PSYCHOACTIF PRINCIPALEMENT PHOSPHORYLE AU MOYEN D'ALCALI**
[72] LIGHTBURN, BENJAMIN, CA
[72] MOSS, RYAN, CA
[72] RANKEN, LISA, CA
[73] PSILO SCIENTIFIC LTD., CA
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[54] **REPAIR SLEEVE FOR TSRU SHED DECK AND METHODS OF WEAR PROTECTION**
[54] **MANCHON DE REPARATION POUR UN PLATEAU A REDANS D'UNE UNITE DE RECUPERATION DE SOLVANT ET METHODES DE PROTECTION CONTRE L'USURE**
[72] GUPTA, SIDDHARTH, CA
[72] JIANG, FAN, CA
[72] SERATE, DUANE, CA
[72] VAN DER MERWE, SHAWN, CA
[72] LUESICK, JEFF, CA
[72] VAN DONGEN, GRAEME, CA
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[54] **PROCEDE ET APPAREIL DE GENERATION D'AEROSOL**
[72] HAN, JUNG HO, KR
[72] LEE, JANG UK, KR
[72] LIM, HUN II, KR
[72] LEE, JONG SUB, KR
[72] HAN, DAE NAM, KR
[72] YOON, JIN YOUNG, KR
[72] KIM, YOUNG LEA, KR
[72] JANG, JI SOO, KR
[72] LIM, WANG SEOP, KR
[72] LEE, MOON BONG, KR
[72] JU, SOUNG HO, KR
[72] PARK, DU JIN, KR
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[54] **CONTAINER AND METHOD OF MANUFACTURING THE SAME**
[54] **RECIPIENT ET SON PROCEDE DE FABRICATION**
[72] MANDERFIELD, GROVER, US
[72] PALMER, JOE, US
[72] HERNANDEZ, DAVID, US
[72] WADE, DENA, US
[72] APPLEGATE, DANIEL, US
[72] BOLLINGER, AARON, US
[73] ALTIUM PACKAGING LP, US
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[54] **APPARATUS AND METHOD FOR RECYCLING MOBILE PHONES**
[54] **APPAREIL ET PROCEDE PERMETTANT LE RECYCLAGE DE TELEPHONES MOBILES**
[72] BOWLES, MARK, US
[72] LIBRIZZI, MICHAEL, US
[72] VAN ROOYEN, PIETER, US
[72] DUBEN, AHRON, US
[73] ECOATM, LLC, US
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[73] ROUSSELOT BV, BE
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[54] **ENSEMBLE DE DEVIATION A TETE DE FRAISE DE REMPLACEMENT POUR SIFFLET DEVIATEUR A TROU OUVERT**
[72] DAVIS, RICHARD C., US
[72] STONE, JEREMY LEE, US
[72] TAYLOR, JAMES H. JR., US
[72] SCHULTZ, WILLIAM ALLEN JR., US
[72] TEALE, DAVID W., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS LLC, US
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[54] **ALIGNEUR DE BOIS D'OEUVRE ET METHODE D'UTILISATION**
[72] TINSLEY, DOUGLAS MONROE, US
[72] ANDERSON, JAMES L., US
[73] AD SERVICES OF ARKANSAS, INC., US
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[54] **COMPUTING DEVICE AND SERIES POWER SUPPLY METHOD**
[54] **DISPOSITIF INFORMATIQUE ET PROCEDE D'ALIMENTATION EN SERIE**
[72] GAO, YANG, CN
[72] WU, YUEFENG, CN
[72] YANG, ZUOXING, CN
[72] NING, HONGYAN, CN
[72] GUO, HAIFENG, CN
[73] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
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[54] **STRATIFIE BARRIERE ET SES MISES EN OEUVRE**
[72] POZHAL VENGU, GURUNATH, IN
[72] NAIR, HARIHARAN KRISHNAN, IN
[73] NAIR, HARIHARAN KRISHNAN, IN
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[54] **DISSIPATION DE CHALEUR DANS UN DISPOSITIF OPTIQUE**
[72] FERRARA, JR. JAMES, US
[72] LIN, SEN, US
[73] AURORA OPERATIONS, INC., US
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[54] **ASSEMBLAGE DE LOGEMENT D'EMETTEUR DE LUMIERE POUR UN DISPOSITIF DE LITHOTRITIE INTRAVASCULAIRE**
[72] SCHULTHEIS, ERIC, US
[72] SALINAS, ALVIN, US
[72] DUONG, ALAN, US
[73] BOLT MEDICAL, INC., US
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[54] **ARTICLE EN CERAMIQUE ET SES PROCEDES DE FABRICATION**
[72] THOMPSON, MATTHEW J., US
[72] SZYMANSKI, THOMAS, US
[72] YEATES, RANDALL CLAYTON, US
[72] RALPH, JAMES M., US
[73] SAINT-GOBAIN CERAMICS & PLASTICS, INC., US
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[54] **EXTRAIT D'ALGUES**
[72] RUBESA, TINO, NL
[72] CHAN, KOK-KIN, NL
[72] VERMANDEL, EVERT, NL
[72] MATTHEE, JOHANNES MARIA BAPTIST, NL
[72] ZANTINGE, ANNE, NL
[73] UNILEVER IP HOLDINGS B.V., NL
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[54] **STRUCTURE DE SEMELLE INTERIEURE AUXILIAIRE OU INTEGREE POUR ARTICLE CHAUSSANT**
[72] CORMIER, MARC, CA
[73] CORMIER, MARC, CA
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[54] **METHODE DE PRODUCTION D'UNE SOLUTION DE SULFATE DE NICKEL POUR UNE BATTERIE SECONDAIRE A PARTIR D'UNE CATHODE DE NICKEL**
[72] JOO, JAE HOON, KR
[72] CHOI, HEON SIK, KR
[72] LEE, TAE KYUNG, KR
[73] KEMCO, KR
[73] KOREA ZINC CO., LTD., KR
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[54] **COMPOSITIONS DE MICROCAPSULE ET PROCEDES**
[72] HINDSON, BENJAMIN, US
[72] SAXONOV, SERGE, US
[73] 10X GENOMICS, INC., US
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[54] **CABLE DE DONNEES MAGNETIQUES**
[72] YUE, WENYONG, CN
[73] FAN GAO LE TRADE (SHENZHEN) CO., LTD., CN
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[72] BARBEY, JEAN-PHILIPPE, CH
[73] LEMO SA, CH
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[86] 2022-05-17 (PCT/EP2022/063357)
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[54] **SYSTEM FOR MODERATING ENERGY ABSORPTION AT THE EARTH'S SURFACE WITH A PROGRAMMABLE FORCING NETWORK OF CLIMATE CONTROL PANELS**
[54] **SYSTEME POUR LA MODERATION DE L'ABSORPTION D'ENERGIE A LA SURFACE DE LA TERRE AVEC UN RESEAU DE FORCAGE PROGRAMMABLE DE PANNEAUX DE REGULATION CLIMATIQUE**
[72] LAWRENCE, DOUGLAS, US
[73] LAWRENCE, DOUGLAS, US
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[54] **DISPOSITIF DE GENERATION D'ULTRASONS ET SYSTEME DE FORMATION DE BETON**
[72] KOU, ZIMING, CN
[72] WU, JUAN, CN
[72] WANG, HULIN, CN
[72] REN, QICHAO, CN
[72] PENG, YANWEI, CN
[72] ZHANG, BUWEN, CN
[72] YAN, FENG, CN
[73] TAIYUAN UNIVERSITY OF TECHNOLOGY, CN
[73] SHANXI LINGXUDA TECHNOLOGY CO., LTD, CN
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Demandes canadiennes mises à la disponibilité du public

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[54] **TERMINAL ET METHODES D'INTERFACE UTILISATEUR POUR FACILITER LES TRANSACTIONS**
[72] COUTU, MICHEL, CA
[71] ACESS CREDIT LEASING INC., CA
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[54] **SOUPAPE DE FOND DE TROU A ACTIVATION ELECTRIQUE POUR DES APPLICATIONS DE FORAGE**
[72] RANDLE, HARTLEY, CA
[72] GAMBLE. JOSHUA, CA
[72] JULLION, BRANDON, CA
[71] DYNOMAX DRILLING TOOLS INC., CA
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[54] **SEALED DUAL BEARING ENCLOSURE FOR A GENERATOR OF A VERTICAL AXIS WIND TURBINE**
[54] **ENCEINTE A DEUX PALIERS SCELLEE POUR UNE GENERATRICE D~UNE EOLIENNE A AXE VERTICAL**
[72] MAYNARD, JUSTIN, CA
[72] DORGE, MAURICE, CA
[71] KYNETIC ENERGY SOLUTIONS INC., CA
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[54] **EOLIENNE A AXE VERTICAL A TRES HAUT RENDEMENT POUR UN MILLION DE WATTS**
[72] WANG, LEI, CA
[71] WANG, LEI, CA
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[54] **BOULE DE BOULINGRIN**
[72] PAUL, ROBIN, AU
[72] WILLIAMS, GREGORY, AU
[72] JACOBS, WALTER, AU
[71] COMFITPRO (PTY) LTD, AU
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[54] **TIGES DE FORAGE COMPORTANT DES STABILISATEURS ET SYSTEMES ET METHODES LES COMPRENANT**
[72] DRENTH, CHRISTOPHER, CA
[72] BRUBACHER, ADRIAN, CA
[71] LONGYEAR TM, INC., US
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[54] **SYSTEME DE PROPULSION DE FLOTTEUR D~HYDRAVION**
[72] AMERL, ZRINKO, CA
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[51] **Int.Cl. A41D 27/00 (2006.01) A41D 1/06 (2006.01) A41D 1/14 (2006.01) A41D 27/12 (2006.01) A41H 43/02 (2006.01) A41H 43/04 (2006.01)**
[25] EN
[54] **CLOTHING WITH BUILT-IN JOINT SUPPORT**
[54] **VETEMENT A SUPPORT DE JOINT INTEGRE**
[72] RYAN, WANETA, CA
[71] RYAN, WANETA, CA
[22] 2022-11-01
[41] 2024-05-01

[21] **3,180,629**
[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) B29B 17/00 (2006.01) C01G 5/00 (2006.01) C01G 7/00 (2006.01) C01G 55/00 (2006.01) C22B 11/06 (2006.01)**
[25] EN
[54] **A METHOD FOR PRECIOUS METALS RECOVERY FROM ELECTRONIC WASTES**
[54] **METHODE POUR LA RECUPERATION DES METAUX PRECIEUX DE DECHETS ELECTRONIQUES**
[72] MAGNAN, JEAN-FRANCOIS, CA
[72] LALANCETTE, JEAN-MARC, CA
[72] LEMIEUX, DAVID, CA
[72] ISABELLE, JOEY, CA
[71] DUNDEE SUSTAINABLE TECHNOLOGIES INC., CA
[22] 2022-11-01
[41] 2024-05-01

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[21] **3,180,778**
[13] A1
[51] **Int.Cl. F01K 25/00 (2006.01) F15B 1/02 (2006.01)**
[25] EN
[54] **POWER SYSTEM**
[54] **SYSTEME D'ALIMENTATION**
[72] SIMMONS, DANIEL, CA
[72] SIMMONS, NATHAN, CA
[72] SIMMONS, JORDAN, CA
[71] FOREFRONT ENERGY LTD., CA
[22] 2022-10-28
[41] 2024-04-28

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[21] **3,180,962**
[13] A1
[51] **Int.Cl. A47B 88/975 (2017.01) A47B 47/00 (2006.01) A47B 87/02 (2006.01) A47F 1/00 (2006.01) A47F 1/14 (2006.01) A47F 11/00 (2006.01)**
[25] EN
[54] **MODULAR DISPLAY AND DISPENSING SYSTEM**
[54] **SYSTEME DE PRESENTATION ET DE DISTRIBUTION MODULAIRE**
[72] LUBERTO, MICHAEL D., US
[72] DESENA, MICHAEL D., US
[72] KASSA, GETACHEW, US
[71] HENSCHEL-STEINAU, INC., US
[22] 2022-11-04
[41] 2024-05-04

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[21] **3,181,010**
[13] A1
[51] **Int.Cl. B60L 53/12 (2019.01) B60L 53/122 (2019.01)**
[25] FR
[54] **WIRELESS RECHARGING PROCESS FOR ELECTRIC VEHICLES**
[54] **PROCEDE DE RECHARGE SANS FIL POUR VEHICULES ELECTRIQUES**
[72] GAGNON, STEEVEN, CA
[71] GAGNON, STEEVEN, CA
[22] 2022-11-03
[41] 2024-05-03

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[21] **3,181,015**
[13] A1
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 13/40 (2016.01) F03D 3/06 (2006.01)**
[25] FR
[54] **INFLATABLE WIND TURBINE BLADE**
[54] **UME PALE D'EOLIENNE GONFLABLE**
[72] GAGNON, STEEVEN, CA
[71] GAGNON, STEEVEN, CA
[22] 2022-11-03
[41] 2024-05-03
[30] CA (725100-5) 2022-11-03

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[21] **3,181,276**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/369 (2021.01) A61B 5/055 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING CAPACITY OF CONSCIOUSNESS**
[54] **SYSTEME ET METHODE D'EVALUATION DE LA CAPACITE DE CONSCIENCE**
[72] BLAIN-MORAES, STEFANIE, CA
[72] DUCLOS, CATHERINE, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[22] 2022-11-04
[41] 2024-05-04

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[21] **3,181,277**
[13] A1
[51] **Int.Cl. G01F 15/00 (2006.01) G01F 15/063 (2022.01)**
[25] EN
[54] **WATER MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D~EAU**
[72] VAN NIEKERK, JOHANN, CA
[72] BRUNET, SIMON, CA
[71] CONNECTED SENSORS LLC, CA
[22] 2022-11-04
[41] 2024-05-03
[30] US (18/052,346) 2022-11-03

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[21] **3,181,305**
[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/30 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **METHODS AND KITS FOR PREDICTING THE PROBABILITY OF DEVELOPING CLINICALLY SIGNIFICANT PROSTATE CANCER**
[54] **METHODES ET TROUSSES POUR PREDIRE LA PROBABILITE DE DEVELOPPEMENT D'UN CANCER DE LA PROSTATE SIGNIFICATIF SUR LE PLAN CLINIQUE**
[72] LEWIS, JOHN, CA
[72] PAPROSKI, ROBERT, CA
[71] NANOSTICS INC., CA
[22] 2022-11-04
[41] 2024-05-04

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[21] **3,181,323**
[13] A1
[51] **Int.Cl. E06B 9/38 (2006.01) E06B 9/303 (2006.01) E06B 9/32 (2006.01) E06B 9/322 (2006.01)**
[25] EN
[54] **SAFETY VENETIAN BLIND**
[54] **STORE VENITIEN DE SECURITE**
[72] HUANG, SZU-CHANG, TW
[71] TAICANG KINGFU PLASTIC MANUFACTURE CO., LTD, CN
[71] BEAUTIFUL WINDOW FASHIONS CO., LTD., TW
[22] 2022-11-02
[41] 2024-05-02

[21] **3,181,326**
[13] A1
[51] **Int.Cl. C09D 175/04 (2006.01) C09D 7/61 (2018.01) B05D 1/38 (2006.01) C09D 191/06 (2006.01) C08G 18/24 (2006.01) C08G 18/79 (2006.01)**
[25] EN
[54] **SPRAYABLE TEXTURE COATING COMPOSITIONS AND METHODS OF APPLICATION**
[54] **COMPOSITIONS DE REVETEMENT TEXTURE VAPORISABLE ET METHODES D'APPLICATION**
[72] MITCHELL, SANFORD, US
[72] SOLOMON, NICHOLAS, US
[72] CAUCHI, BRIAN, US
[72] LATHIA, NIRALI, US
[72] SEAVER, TODD, US
[71] TRANSTAR AUTOBODY TECHNOLOGIES LLC, US
[22] 2022-11-01
[41] 2024-05-01

[21] **3,181,422**
[13] A1
[51] **Int.Cl. H99Z 99/00 (2006.01) H01R 24/60 (2011.01) A41D 13/005 (2006.01) H01R 13/52 (2006.01) H02J 7/00 (2006.01) H05B 1/02 (2006.01) H05B 3/36 (2006.01) H05K 1/02 (2006.01)**
[25] EN
[54] **CONTROL DEVICE WITH ACCESSIBLE SYMMETRICAL INPUT CONNECTOR**
[54] **DISPOSITIF DE COMMANDE COMPRENANT UN CONNECTEUR D'ENTREE SYMETRIQUE ACCESSIBLE**
[72] DESMEULES, ALAIN, CA
[71] DESANTIS, BROOKE ERIN, CA
[22] 2022-11-02
[41] 2024-05-02

[21] **3,181,441**
[13] A1
[51] **Int.Cl. B63H 19/00 (2006.01)**
[25] EN
[54] **VIAREA III**
[54] **VIAREA III**
[72] WOODS, TIMOTHY J., CA
[71] WOODS, TIMOTHY J., CA
[22] 2022-11-02
[41] 2024-05-02

[21] **3,182,177**
[13] A1
[51] **Int.Cl. H02G 3/08 (2006.01) H02B 1/04 (2006.01) H02G 3/18 (2006.01) H02G 3/30 (2006.01)**
[25] EN
[54] **POWER INLET BOX WITH CIRCUIT PROTECTION**
[54] **BOITIER D'ENTREE DE PUISSANCE A PROTECTION DES CIRCUITS**
[72] CZARNECKI, NEIL A., US
[72] KELL, CURTIS N., US
[72] FLEGEL, BENJAMIN F., US
[71] RELIANCE CONTROLS CORPORATION, US
[22] 2022-11-17
[41] 2024-05-01
[30] US (17/978,663) 2022-11-01

[21] **3,182,770**
[13] A1
[51] **Int.Cl. G06T 19/00 (2011.01) A61B 34/00 (2016.01) A61B 34/10 (2016.01) A61B 34/20 (2016.01) A61B 5/00 (2006.01) G06T 3/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OVERLAYING A HOLOGRAM ONTO AN OBJECT**
[54] **SYSTEME ET METHODE POUR SUPERPOSER UN HOLOGRAMME SUR UN OBJET**
[72] PAUL, SWAJAN, CA
[72] ARNAERT, ANTONIA, CA
[72] DEBE, ZOUMANAN, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[22] 2022-11-25
[41] 2024-04-28
[30] US (63/381,432) 2022-10-28

[21] **3,186,174**
[13] A1
[51] **Int.Cl. H01R 13/6466 (2011.01) H04L 69/00 (2022.01) H01B 11/02 (2006.01) H04L 12/00 (2006.01) H05K 1/16 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **DESIGN METHOD OF CAT 6A RETURN LOSS STANDARD DEVICE**
[54] **METHODE DE CONCEPTION D'UN DISPOSITIF NORMAL D'AFFAIBLISSEMENT DE REFLEXION CAT6A**
[72] ZHOU, XIN, CN
[72] WU, TONG, CN
[72] SHEN, QINGFEI, CN
[72] YAO, YAO, CN
[71] NATIONAL INSTITUTE OF METROLOGY, CHINA, CN
[22] 2023-01-12
[41] 2024-04-28
[30] CN (202211337577.2) 2022-10-28

[21] **3,188,999**
[13] A1
[51] **Int.Cl. D05B 91/06 (2006.01) B68G 15/00 (2006.01)**
[25] EN
[54] **MOBILE AND HEIGHT-ADJUSTABLE STAND FOR MAKING QUILTS OR ALIKE**
[54] **SUPPORT MOBILE ET A HAUTEUR AJUSTABLE POUR LA FABRICATION DE COURTEPOINTES ET D'ELEMENTS SEMBLABLES**
[72] GHOSH, SAREE, CA
[71] GHOSH, SAREE, CA
[22] 2023-02-08
[41] 2024-04-28
[30] US (63/420488) 2022-10-28

[21] **3,197,984**
[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01) B65F 1/08 (2006.01)**
[25] EN
[54] **GARBAGE BIN**
[54] **BAC A ORDURES**
[72] WANG, YANG, CN
[72] YU, XUELIANG, CN
[72] YAN, WENKAI, CN
[71] SHENZHEN AIPER INTELLIGENT CO., LTD., CN
[22] 2023-04-26
[41] 2024-04-28
[30] CN (202222870931X) 2022-10-28

[21] **3,198,126**
[13] A1
[51] **Int.Cl. B63H 25/52 (2006.01) B63B 34/10 (2020.01) B63H 25/02 (2006.01)**
[25] EN
[54] **PERSONAL WATERCRAFT WITH STEERING DAMPER**
[54] **EMBARCATION PERSONNELLE COMPRENANT UN AMORTISSEUR DE DIRECTION**
[72] LAFLAMME LUSSIER, KARL, CA
[72] GENDRON, JEAN-PHILIPPE, CA
[72] LAROSE, BENOIT, CA
[72] BITSCH, MAGALI, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-04-28
[41] 2024-04-30
[30] US (63/420,948) 2022-10-31

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[21] **3,198,492**
[13] A1
[51] **Int.Cl. E05B 65/00 (2006.01) A47J 43/07 (2006.01) E05B 43/00 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **LOCKING MECHANISM AND METHOD FOR CONTROLLING FOOD PROCESSOR**
[54] **MECANISME DE VERROUILLAGE ET METHODE POUR CONTROLER UN ROBOT CULINAIRE**
[72] DING, JIEMING, CN
[71] PANASONIC APPLIANCES MICROWAVE OVEN(SHANGHAI) CHINA CO., LTD., CN
[22] 2023-05-02
[41] 2024-04-30
[30] CN (202211350629.X) 2022-10-31

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[21] **3,198,620**
[13] A1
[51] **Int.Cl. A63B 21/02 (2006.01) A63B 21/16 (2006.01) A63B 23/035 (2006.01)**
[25] EN
[54] **CROSSBAR FUNCTIONAL TRAINER**
[54] **ENTRAINEUR FONCTIONNEL A LA BARRE TRANSVERSALE**
[72] KELLY, FRANCIS, CA
[71] KELLY, FRANCIS, CA
[22] 2022-11-04
[41] 2024-05-04

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[21] **3,201,027**
[13] A1
[51] **Int.Cl. B25B 13/02 (2006.01) B25B 13/56 (2006.01)**
[25] EN
[54] **HAND TOOL AND METHOD FOR MANUFACTURING THE SAME**
[54] **OUTIL A MAIN ET METHODE DE FABRICATION**
[72] CHEN, TZU-CHUN, TW
[72] CHEN, YUNG-SHUN, TW
[71] MING SHIN TOOLS CO., LTD., TW
[22] 2023-05-30
[41] 2024-05-02
[30] TW (111141840) 2022-11-02

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[21] **3,203,349**
[13] A1
[51] **Int.Cl. G06F 9/46 (2006.01) G06F 16/23 (2019.01)**
[25] EN
[54] **STREAM-BASED TRANSACTION PROCESSING**
[54] **TRAITEMENT DE TRANSACTIONS EN FLUX**
[72] MAY, NORMAN, DE
[72] BANG, TIEMO, DE
[72] BINNIG, CARSTEN, DE
[71] SAP SE, DE
[22] 2023-06-14
[41] 2024-04-30
[30] US (18/051,404) 2022-10-31

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[21] **3,206,402**
[13] A1
[51] **Int.Cl. E21B 23/04 (2006.01) E21B 23/08 (2006.01) E21B 47/18 (2012.01)**
[25] EN
[54] **INDEXING CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DE DIVISION**
[72] RUSSELL, JAYSON, CA
[72] COMEAU, LAURIER E., CA
[72] SIBBALD, PAUL ALLAN, CA
[71] ARRIVAL ENERGY SOLUTIONS INC., CA
[22] 2023-07-12
[41] 2024-04-30
[30] US (18/051,277) 2022-10-31

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[21] **3,206,415**
[13] A1
[51] **Int.Cl. G01F 22/02 (2006.01) A01C 23/00 (2006.01) G01F 17/00 (2006.01)**
[25] EN
[54] **A VOLUME DETERMINATION SYSTEM, A VEHICLE HAVING A VOLUME DETERMINATION SYSTEM, AND METHODS OF OPERATING SUCH A VEHICLE**
[54] **SYSTEME DE DETERMINATION DE VOLUME, VEHICULE COMPRENANT LE SYSTEME DE DETERMINATION DE VOLUME ET METHODES D~EXPLOITATION D~UN TEL VEHICULE**
[72] SMITH, EVAN THOMAS, US
[71] AGCO CORPORATION, US
[22] 2023-07-12
[41] 2024-04-30
[30] US (63/381,677) 2022-10-31

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[21] **3,206,419**
[13] A1
[51] **Int.Cl. B60P 5/00 (2006.01) B60K 35/65 (2024.01)**
[25] EN
[54] **A VOLUME DETERMINATION SYSTEM, A VEHICLE HAVING A VOLUME DETERMINATION SYSTEM, AND METHODS OF OPERATING SUCH A VEHICLE**
[54] **SYSTEME DE DETERMINATION DE VOLUME, VEHICULE COMPRENANT LE SYSTEME DE DETERMINATION DE VOLUME ET METHODES D~EXPLOITATION D~UN TEL VEHICULE**
[72] SMITH, EVAN THOMAS, US
[72] RUNCK, MICHAEL J., US
[71] AGCO CORPORATION, US
[22] 2023-07-12
[41] 2024-04-30
[30] US (63/381,685) 2022-10-31

[21] **3,206,426**
[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **A VOLUME DETERMINATION SYSTEM, A VEHICLE HAVING A VOLUME DETERMINATION SYSTEM, AND METHODS OF OPERATING SUCH A VEHICLE**
[54] **SYSTEME DE DETERMINATION DE VOLUME, VEHICULE COMPRENANT LE SYSTEME DE DETERMINATION DE VOLUME ET METHODES D~EXPLOITATION D~UN TEL VEHICULE**
[72] SMITH, EVAN THOMAS, US
[72] RUNCK, MICHAEL J., US
[71] AGCO CORPORATION, US
[22] 2023-07-12
[41] 2024-04-30
[30] US (63/381,690) 2022-10-31

[21] **3,207,337**
[13] A1
[51] **Int.Cl. G01F 1/00 (2022.01) G01M 3/00 (2006.01)**
[25] EN
[54] **WATER MONITORING SYSTEM FOR A BUILDING**
[54] **SYSTEME DE SURVEILLANCE D'EAU POUR UN BATIMENT**
[72] VAN NIEKERK, JOHANN, CA
[72] BRUNET, SIMON, CA
[71] CONNECTED SENSORS LLC, CA
[22] 2023-07-21
[41] 2024-05-03
[30] US (18/052,346) 2022-11-03
[30] US (18/354,725) 2023-07-19
[30] CA (3,181,277) 2022-11-04

[21] **3,208,328**
[13] A1
[51] **Int.Cl. G06V 30/40 (2022.01) G06N 20/00 (2019.01) G06V 10/20 (2022.01) G06V 40/16 (2022.01) G06V 40/40 (2022.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING THE AUTHENTICITY OF AN IDENTITY DOCUMENT**
[54] **METHODES ET SYSTEMES POUR DETERMINER L~AUTHENTICITE D~UN DOCUMENT D~IDENTITE**
[72] MARKOVIC, ZORANA, RS
[71] DAON TECHNOLOGY, IE
[22] 2023-07-31
[41] 2024-04-30
[30] US (17/977,032) 2022-10-31

[21] **3,208,855**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/62 (2013.01)**
[25] EN
[54] **INPUT VALIDATION USING MATHEMATICAL EXPRESSIONS**
[54] **VALIDATION D~ENTREE AU MOYEN D~EXPRESSIONS MATHEMATIQUES**
[72] BERKOWITZ, YERUCHAM, US
[72] ZEINISS, EUGENE, US
[72] SHARON, DAN, US
[72] SHMIDOV, ELAD, US
[71] INTUIT INC., US
[22] 2023-08-10
[41] 2024-04-30
[30] US (17/978,193) 2022-10-31

[21] **3,209,801**
[13] A1
[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 50/10 (2012.01) G06N 20/00 (2019.01) G06Q 30/0601 (2023.01) G06Q 10/08 (2023.01)**
[25] EN
[54] **GENERATING A SUGGESTED SCHEDULE FOR A PICKER OF AN ONLINE CONCIERGE SYSTEM BASED ON AN EARNINGS GOAL AND AVAILABILITY INFORMATION**
[54] **GENERATION D~UN HORAIRE PROPOSE POUR UN PREPOSE A PRISE DE COMMANDES D~UN SYSTEME DE CONCIERGERIE EN LIGNE EN FONCTION D~UN OBJECTIF DE REVENUS ET DES RENSEIGNEMENTS DE DISPONIBILITE**
[72] KRISHNAN, GANESH, US
[72] XU, XIAOFAN, US
[72] RYAN, KEVIN, US
[71] MAPLEBEAR INC., US
[22] 2023-08-21
[41] 2024-04-30
[30] US (17/977,759) 2022-10-31

[21] **3,210,097**
[13] A1
[51] **Int.Cl. G09B 9/08 (2006.01) G09B 9/16 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS, AND COMPUTER-READABLE STORAGE MEDIUM FOR SIMULATING AN AERODYNAMIC EVENT ON AN AIRCRAFT DURING FLIGHT**
[54] **METHODE, APPAREIL ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR POUR SIMULER UN EVENEMENT AERODYNAMIQUE POUR UN AERONEF EN VOL**
[72] ZIMMERMANN, KELLY M., US
[72] WATSON, SIDNEY, US
[72] MOUNT, BERT, US
[72] SANTIAGO, LUIS-ALBERTO J., US
[72] LUO, JIA, US
[72] SHIKANY, DAVID A., US
[71] THE BOEING COMPANY, US
[22] 2023-08-24
[41] 2024-05-03
[30] US (17/980306) 2022-11-03

[21] **3,210,308**
[13] A1
[51] **Int.Cl. A01B 69/00 (2006.01) A01D 41/127 (2006.01) A01D 43/06 (2006.01)**
[25] EN
[54] **MAP BASED FARMING FOR WINDROW MERGER OPERATION**
[54] **AGRICULTURE A BASE DE CARTE POUR L~EXPLOITATION D~UNE ANDAINEUSE A TAPIS**
[72] LOVETT, BENJAMIN M., US
[72] ROTH, DARIN L., US
[72] VANDIKE, NATHAN R., US
[71] DEERE & COMPANY, US
[22] 2023-08-28
[41] 2024-04-30
[30] US (18/051,384) 2022-10-31

[21] **3,210,322**
[13] A1
[51] **Int.Cl. A01D 41/127 (2006.01) A01D 43/06 (2006.01)**
[25] EN
[54] **MAP BASED FARMING FOR WINDROWER OPERATION**
[54] **AGRICULTURE A BASE DE CARTE POUR L~EXPLOITATION D~UNE ANDAINEUSE**
[72] LOVETT, BENJAMIN M., US
[72] ROTH, DARIN L., US
[72] VANDIKE, NATHAN R., US
[71] DEERE & COMPANY, US
[22] 2023-08-28
[41] 2024-04-30
[30] US (18/051,385) 2022-10-31

[21] **3,210,326**
[13] A1
[51] **Int.Cl. A01B 69/00 (2006.01) A01D 41/127 (2006.01) G01C 21/32 (2006.01)**
[25] EN
[54] **MAP BASED FARMING FOR WINDROWER OPERATION**
[54] **AGRICULTURE A BASE DE CARTE POUR L~EXPLOITATION D~UNE ANDAINEUSE**
[72] LOVETT, BENJAMIN M., US
[72] ROTH, DARIN L., US
[72] VANDIKE, NATHAN R., US
[71] DEERE & COMPANY, US
[22] 2023-08-28
[41] 2024-04-30
[30] US (18/051,335) 2022-10-31

[21] **3,210,523**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01) G06V 20/00 (2022.01) A01D 41/127 (2006.01) A01D 91/02 (2006.01)**
[25] EN
[54] **MAP BASED FARMING FOR WINDROWER OPERATION**
[54] **AGRICULTURE A BASE DE CARTE POUR L'EXPLOITATION D'UNE ANDAINEUSE**
[72] LOVETT, BENJAMIN M., US
[72] ROTH, DARIN L., US
[72] VANDIKE, NATHAN R., US
[71] DEERE & COMPANY, US
[22] 2023-08-30
[41] 2024-04-30
[30] US (18/051,363) 2022-10-31

[21] **3,211,019**
[13] A1
[51] **Int.Cl. B65B 69/00 (2006.01)**
[25] EN
[54] **DEVICE FOR REMOVING A STERILE OBJECT FROM AN OUTER PACKAGING, A SYSTEM COMPRISING A CORRESPONDING DEVICE, AND A METHOD FOR REMOVING A STERILE OBJECT FROM AN OUTER PACKAGING**
[54] **DISPOSITIF POUR RETIRER UN OBJET STERILE D'UN EMBALLAGE EXTERIEUR, SYSTEME COMPRENANT UN DISPOSITIF CORRESPONDANT ET METHODE POUR RETIRER UN OBJET STERILE D'UN EMBALLAGE EXTERIEUR**
[72] LEIDIG, JURGEN, DE
[72] WEBER, FLORIAN, DE
[72] EKKART, ALEXANDER, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
[22] 2023-08-31
[41] 2024-05-03
[30] DE (10 2022 129 107.3) 2022-11-03

[21] **3,211,175**
[13] A1
[51] **Int.Cl. G01B 9/02091 (2022.01) B23K 9/095 (2006.01) B23K 31/12 (2006.01)**
[25] EN
[54] **MEASURING DEVICE AND METHOD FOR PERFORMING MEASUREMENTS ON A WORKPIECE AS WELL AS MACHINING SYSTEM AND WELDING METHOD**
[54] **DISPOSITIF DE MESURE ET METHODE POUR REALISER DES MESURES D~UNE PIECE A USINER, SYSTEME D~USINAGE ET METHODE DE SOUDAGE**
[72] LESSMULLER, ECKHARD, DE
[72] TRUCKENBRODT, CHRISTIAN, DE
[71] LESSMULLER LASERTECHNIK GMBH, DE
[22] 2023-09-06
[41] 2024-05-04
[30] DE (10 2022 129 220.7) 2022-11-04

[21] **3,211,320**
[13] A1
[51] **Int.Cl. C09D 7/63 (2018.01) B60S 1/38 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **ABRASION RESISTANT COATING COMPOSITION FOR WINDSHIELD WIPER BLADE APPLICATION**
[54] **COMPOSITION DE REVETEMENT RESISTANT A L'ABRASION POUR L'APPLICATION A UNE LAME D'ESSUIE-GLACE**
[72] FANG, JIAFU, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-09-05
[41] 2024-04-28
[30] US (63/420,104) 2022-10-28
[30] US (18/234,445) 2023-08-16

Demandes canadiennes mises à la disponibilité du public
28 avril 2024 au 4 mai 2024

[21] **3,211,511**
[13] A1
[51] **Int.Cl. E04H 17/14 (2006.01)**
[25] EN
[54] **DOUBLE PICKET SYSTEM AND METHOD**
[54] **SYSTEME A DOUBLE POTEAU ET METHODE**
[72] SCHNIDER, CHRISTOPHER MICHAEL, US
[72] CLARK, CHRISTOPHER ROLLAND, US
[72] BERTKE, PATRICK JOSEPH, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-09-07
[41] 2024-04-30
[30] US (17/977,676) 2022-10-31

[21] **3,211,534**
[13] A1
[51] **Int.Cl. E06B 11/04 (2006.01) E04H 17/14 (2006.01)**
[25] EN
[54] **RACKABLE GATE KIT**
[54] **TROUSSE DE PORTE AJUSTEE SELON L~INCLINAISON DU SOL**
[72] SCHNEIDER, CHRISTOPHER MICHAEL, US
[72] MOORE, PAIGE BARBARA, US
[72] BERTKE, PATRICK JOSEPH, US
[72] CLARK, CHRISTOPHER ROLLAND, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-09-07
[41] 2024-04-30
[30] US (17/978,196) 2022-10-31

[21] **3,211,885**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01) A24F 40/42 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR**
[72] ZHONG, XIAOJUN, KY
[71] VERDEWELL INTERNATIONAL HOLDINGS LIMITED, KY
[22] 2023-09-11
[41] 2024-04-28
[30] CN (202222874716.7) 2022-10-28

[21] **3,212,371**
[13] A1
[51] **Int.Cl. G07C 5/00 (2006.01) G06F 21/31 (2013.01) G06N 20/00 (2019.01) G06V 20/56 (2022.01) G06T 7/20 (2017.01)**
[25] EN
[54] **ACCESS RESTRICTION OF VEHICLE-ASSOCIATED INFORMATION**
[54] **RESTRICTION D'ACCES AUX RENSEIGNEMENTS ASSOCIES A UN VEHICULE**
[72] BLAIS, PIERRE PIERRE, CA
[71] BLACKBERRY LIMITED, CA
[22] 2023-09-13
[41] 2024-04-28
[30] US (18/050,611) 2022-10-28

[21] **3,212,431**
[13] A1
[51] **Int.Cl. B64C 13/04 (2006.01) B64C 13/24 (2006.01) B64C 25/44 (2006.01)**
[25] EN
[54] **PEDAL CARTRIDGE**
[54] **CARTOUCHE DE PEDALE**
[72] PICARD, PIERRE-ALEX, FR
[72] LABRY, PIERRE-JACQUES, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2023-09-13
[41] 2024-04-30
[30] EP (22306648.1) 2022-10-31

[21] **3,212,997**
[13] A1
[51] **Int.Cl. F27D 1/00 (2006.01) F27B 3/10 (2006.01) F27D 3/00 (2006.01)**
[25] EN
[54] **HEAT TREATMENT APPARATUS FOR MANUFACTURING ACTIVE MATERIAL FOR SECONDARY BATTERY**
[54] **APPAREIL DE TRAITEMENT THERMIQUE POUR LA FABRICATION D'UNE MATIERE ACTIVE POUR UNE BATTERIE SECONDAIRE**
[72] LEE, SUNG MUN, KR
[72] KANG, SHIN PIL, KR
[72] CHOI, YOUNG JIN, KR
[71] HANWHA CORPORATION, KR
[22] 2023-09-19
[41] 2024-05-03
[30] KR (10-2022-0145526) 2022-11-03

[21] **3,213,306**
[13] A1
[51] **Int.Cl. A01D 41/127 (2006.01) A01B 69/04 (2006.01) A01B 79/00 (2006.01) A01D 43/06 (2006.01)**
[25] EN
[54] **MAP BASED FARMING FOR WINDROWER OPERATION**
[54] **AGRICULTURE A BASE DE CARTE POUR L~EXPLOITATION D~UNE ANDAINEUSE**
[72] LOVETT, BENJAMIN M., US
[72] ROTH, DARIN L., US
[72] VANDIKE, NATHAN R., US
[71] DEERE & COMPANY, US
[22] 2023-09-20
[41] 2024-04-30
[30] US (18/051,332) 2022-10-31

[21] **3,213,893**
[13] A1
[51] **Int.Cl. A61K 31/216 (2006.01) A61K 31/19 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **KETOGENIC COMPOSITIONS & METHODS OF USE THEREOF**
[54] **COMPOSITIONS CETOGENES ET METHODES D'UTILISATION**
[72] CAVALERI, FRANCO, CA
[71] CAVALERI HEALTH, INC., CA
[22] 2023-09-26
[41] 2024-04-30
[30] US (63/420,723) 2022-10-31

[21] **3,213,918**
[13] A1
[51] **Int.Cl. B64C 13/04 (2006.01) B64C 13/24 (2006.01) B64C 25/44 (2006.01)**
[25] EN
[54] **PEDAL MECHANISM**
[54] **MECANISME DE PEDALE**
[72] PICARD, PIERRE-ALEX, FR
[72] SOULIE, ARNAUD, FR
[72] MAZARS, BENOIT, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2023-09-22
[41] 2024-04-30
[30] EP (22306649.9) 2022-10-31

[21] **3,213,958**
[13] A1
[51] **Int.Cl. F24C 7/08 (2006.01) A47J 36/24 (2006.01) G05D 23/00 (2006.01)**
[25] EN
[54] **HEATING COOKER, COMPUTER PROGRAM, AND HEATING COOKING METHOD**
[54] **CUISEUR CHAUFFANT, PROGRAMME INFORMATIQUE ET METHODE DE CUISSON A LA CHALEUR**
[72] NAKAMURA, KEIGO, JP
[72] TOMISHIGE, KAORU, JP
[71] SHARP KABUSHIKI KAISHA, JP
[22] 2023-09-25
[41] 2024-05-04
[30] JP (2022-177165) 2022-11-04

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[21] **3,214,097**
[13] A1
[51] **Int.Cl. B60R 1/24 (2022.01) B60R 1/10 (2006.01) B60K 35/40 (2024.01)**
[25] EN
[54] **IMPROVED VISIBILITY OF WORK IMPLEMENT USING AUGMENTED REALITY**
[54] **VISIBILITE AMELIOREE D'UN APPAREIL DE TRAVAIL AU MOYEN DE LA REALITE AUGMENTEE**
[72] GONZALEZ, JUAN DANIEL, MX
[72] MARTINEZ, IGNACIO ALONSO, MX
[72] CHAPA MONTEMAYOR, DANIEL, MX
[71] DEERE & COMPANY, US
[22] 2023-09-25
[41] 2024-04-28
[30] US (17/976,008) 2022-10-28

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[21] **3,215,018**
[13] A1
[51] **Int.Cl. E02F 9/22 (2006.01) A01B 63/10 (2006.01) E02F 3/42 (2006.01) E02F 3/627 (2006.01)**
[25] EN
[54] **LINKAGE ASSEMBLY FOR CONSTRUCTION MACHINE**
[54] **TIMONERIE POUR UNE MACHINE DE CONSTRUCTION**
[72] KUMBHAR, NILESH, US
[72] GRAHAM, BRETT S., US
[72] VILAR, ERIC, US
[72] WUISAN, GIOVANNI A., US
[71] DEERE & COMPANY, US
[22] 2023-09-29
[41] 2024-05-03
[30] US (17/979,900) 2022-11-03

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[21] **3,215,150**
[13] A1
[51] **Int.Cl. A01N 63/20 (2020.01) A01N 63/22 (2020.01) A01N 63/27 (2020.01) A01N 63/28 (2020.01) A01N 63/36 (2020.01) A01N 63/38 (2020.01) C05F 11/08 (2006.01) C05G 3/00 (2020.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITIONS AND METHODS FOR THE DELIVERY OF PLANT HEALTH-PROMOTING MICROBES**
[54] **COMPOSITIONS AGRICOLES ET METHODES POUR L~ADMINISTRATION DE MICROBES PROMOUVANT LA SANTE DES PLANTES**
[72] GREENSHIELDS, DAVE, CA
[72] WICKRAMARATHNA, ARUNA, CA
[72] MATEUS MALDONADO, JUAN FELIPE, CA
[72] MACPHERSON, KASSIDY, CA
[71] GREENSHIELDS, DAVE, CA
[71] WICKRAMARATHNA, ARUNA, CA
[71] MATEUS MALDONADO, JUAN FELIPE, CA
[71] MACPHERSON, KASSIDY, CA
[22] 2023-10-03
[41] 2024-04-30

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[21] **3,215,197**
[13] A1
[51] **Int.Cl. F21K 9/20 (2016.01)**
[25] EN
[54] **LAMP UNIT, CONNECTOR AND LAMP SYSTEM**
[54] **UNITE DE LAMPE, CONNECTEUR ET SYSTEME DE LAMPE**
[72] TANG, FANGRU, CN
[72] WANG, AIJUN, CN
[72] WANG, ZHIYONG, CN
[72] XU, HONGBIN, CN
[72] LU, YANG, CN
[71] SAVANT TECHNOLOGIES LLC, US
[22] 2023-10-03
[41] 2024-05-01
[30] CN (2022229196903) 2022-11-01

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[21] **3,215,657**
[13] A1
[51] **Int.Cl. B65G 23/44 (2006.01) A01D 61/02 (2006.01)**
[25] EN
[54] **SYSTEME DE TENSION DE BANDE**
[54] **WEB TENSION MEASUREMENT UNIT**
[72] GANTZER, CHRISTIAN, FR
[71] KUHN SAS, FR
[22] 2023-10-06
[41] 2024-05-03
[30] FR (FR 2211450) 2022-11-03

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[21] **3,216,010**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04B 5/02 (2006.01)**
[25] EN
[54] **FOOTING APPARATUS FOR A DECK FRAME**
[54] **APPAREIL D'EMPATTEMENT POUR UN CADRE DE PLATEFORME**
[72] GURSKI, CLAYTON D. J., CA
[71] GURSKI, CLAYTON D. J., CA
[22] 2023-10-11
[41] 2024-04-28
[30] US (63/420,141) 2022-10-28

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[21] **3,216,050**
[13] A1
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 17/07 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DOWNHOLE APPARATUS AND METHODS**
[54] **APPAREIL EN FOND DE TROU ET METHODES**
[72] HORN, TRISTAM PAUL, GB
[72] BRUCE, STEPHEN EDMUND, GB
[72] SHAND, DAVID MICHAEL, GB
[71] DELTATEK OIL TOOLS LIMITED, GB
[22] 2023-10-11
[41] 2024-05-04
[30] GB (2216431.3) 2022-11-04

[21] **3,216,116**
[13] A1
[51] **Int.Cl. G06V 30/41 (2022.01) G06V 10/25 (2022.01) G06V 10/82 (2022.01) G06V 30/414 (2022.01) G07D 7/00 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTRONIC ALTERED DOCUMENT DETECTION**
[54] **SYSTEME ET METHODE DE DETECTION DE DOCUMENT ELECTRONIQUE ALTERE**
[72] KHURANA, PRERNA, CA
[72] KUNDU KASTURI, CA
[72] SMYTH, CATHAL, CA
[72] PARKHA, PAYAM, CA
[72] RYAN, NIALL, CA
[72] CHEN, CHUHAN, CA
[72] GUNTIMADUGU, SURAJ RAJU, CA
[72] AMIRI, RAMIN, CA
[72] SHUKLA, ANUJA, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-11
[41] 2024-04-30
[30] US (63/420,954) 2022-10-31

[21] **3,216,631**
[13] A1
[51] **Int.Cl. E04H 17/14 (2006.01) E04H 17/16 (2006.01) E04H 17/20 (2006.01) E04H 17/26 (2006.01)**
[25] EN
[54] **JOINING APPARATUS AND METHOD FOR HORIZONTAL VINYL FENCE**
[54] **APPAREIL DE RACCORD ET METHODE D'INSTALLATION DE CLOTURE EN VINYLE**
[72] SCHNEIDER, CHRISTOPHER MICHAEL, US
[72] WRIGHT, DOUGLAS GRANT, US
[72] BERTKE, PATRICK JOSEPH, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-10-16
[41] 2024-04-30
[30] US (17/978,134) 2022-10-31

[21] **3,216,646**
[13] A1
[51] **Int.Cl. E21B 47/13 (2012.01)**
[25] EN
[54] **DOWNHOLE ELECTROMAGNETIC INDUCTION COMMUNICATION DEVICE**
[54] **DISPOSITIF DE COMMUNICATION A INDUCTION ELECTROMAGNETIQUE EN FOND DE TROU**
[72] CRANE, ALEX, GB
[72] ZHURAVLEV, YURI, GB
[71] LEADING MAGNETIC DESIGN LTD, GB
[22] 2023-10-16
[41] 2024-04-28
[30] GB (2216010.5) 2022-10-28

[21] **3,217,156**
[13] A1
[51] **Int.Cl. B62J 17/04 (2006.01) B60J 1/02 (2006.01) B62D 25/08 (2006.01)**
[25] EN
[54] **VEHICLE WITH A WINDSHIELD ASSEMBLY**
[54] **VEHICULE COMPRENANT UN ASSEMBLAGE DE PARE-BRISE**
[72] SAVOIE, FELIX, CA
[72] LARROUY, REMI, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-10-19
[41] 2024-04-28
[30] US (63/420,135) 2022-10-28

[21] **3,217,269**
[13] A1
[51] **Int.Cl. F16M 13/02 (2006.01) B60R 11/02 (2006.01)**
[25] EN
[54] **WINDSHIELD PHONE MOUNT WITH EXTENSION ARM BUMPER**
[54] **SUPPORT DE TELEPHONE SUR PARE-BRISE COMPRENANT UN AMORTISSEUR DE BRAS D'EXTENSION**
[72] IVERSON, DAVID S., US
[71] MACNEIL IP LLC, US
[22] 2023-10-19
[41] 2024-04-28
[30] US (17/975756) 2022-10-28

[21] **3,217,298**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 30/0202 (2023.01) G06Q 40/03 (2023.01) G06F 17/18 (2006.01)**
[25] EN
[54] **TRANSFORMER-BASED ARCHITECTURE FOR DENSITY RATIO ESTIMATION**
[54] **ARCHITECTURE A BASE DE TRANSFORMATEUR POUR UNE ESTIMATION DE RAPPORT DE DENSITE**
[72] TANG, KEYI, CA
[72] CAO, YANSHUAI, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-20
[41] 2024-05-01
[30] US (63/421,484) 2022-11-01

[21] **3,217,300**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 30/0202 (2023.01) G06Q 40/03 (2023.01) G06F 17/18 (2006.01)**
[25] EN
[54] **TRANSFORMER-BASED ARCHITECTURE FOR DENSITY RATIO ESTIMATION**
[54] **ARCHITECTURE A BASE DE TRANSFORMATEUR POUR UNE ESTIMATION DE RAPPORT DE DENSITE**
[72] TANG, KEYI, CA
[72] CAO, YANSHUAI, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-20
[41] 2024-05-01
[30] US (63/421,484) 2022-11-01

[21] **3,217,483**
[13] A1
[51] **Int.Cl. H04W 88/08 (2009.01) H04B 1/38 (2015.01)**
[25] EN
[54] **AN INTEGRATED REMOTE RADIO HEAD AND ANTENNA MODULE ASSEMBLY**
[54] **UNITE DE RADIO ELOIGNEE INTEGREE ET ASSEMBLAGE DE MODULE D~ANTENNE**
[72] TOWNE, GERALD, US
[72] PETERS, JARON, US
[72] VIJ, VINAY, JP
[71] COMMUNICATION COMPONENTS ANTENNA INC., CA
[22] 2023-10-23
[41] 2024-05-01
[30] US (17/978.881) 2022-11-01
[30] US (18/471.287) 2023-09-20

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[21] **3,217,532**
[13] A1
[51] **Int.Cl. C04B 28/02 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) B28B 1/14 (2006.01) B28B 19/00 (2006.01) B28B 23/00 (2006.01) C04B 7/00 (2006.01) C04B 14/06 (2006.01) C04B 22/00 (2006.01)**
[25] EN
[54] **ARTICLES OF MANUFACTURE AND CONCRETE FORMULATIONS FOR USE THEREWITH**
[54] **PRODUITS DE FABRICATION ET FORMULATIONS DE BETON CONNEXES**
[72] OUTHWAITE, AARON SCOT, CA
[72] DAUB, SALLY JEAN, CA
[72] POMEROY, JOHN W., CA
[71] WRMTH CORP., CA
[22] 2023-10-23
[41] 2024-04-28
[30] US (63/381,360) 2022-10-28
[30] US (63/428,811) 2022-11-30
[30] US (18/479,257) 2023-10-02

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[21] **3,217,535**
[13] A1
[51] **Int.Cl. B60D 1/24 (2006.01)**
[25] EN
[54] **WEIGHT DISTRIBUTING HITCH SYSTEM**
[54] **SYSTEME D'ATTELAGE REPARTITEUR DE CHARGE**
[72] JELINEK, TYLER, US
[72] MCCALL, TRAVIS M., US
[72] SORENSON, LARRY, US
[72] WORKS, JOSEPH W., US
[72] JONES, TAYLOR, US
[71] B & W CUSTOM TRUCK BEDS, INC., US
[22] 2023-10-23
[41] 2024-04-28
[30] US (63/381,495) 2022-10-28
[30] US (18/348,221) 2023-07-06

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[21] **3,217,657**
[13] A1
[25] EN
[54] **CLOSED-LOOP INPUT/OUTPUT POINTS TESTING**
[54] **ESSAI DE POINTS D~ENTREE/DE SORTIE EN BOUCLE FERMEE**
[72] BRUNOT, PASCAL, IT
[72] MEICHAEL, MINA SHOKRALLA ZEKRY YASA, IT
[71] SCHNEIDER ELECTRIC SYSTEMS ITALIA S.P.A., IT
[22] 2023-10-24
[41] 2024-05-04
[30] US (18/052716) 2022-11-04

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[21] **3,217,675**
[13] A1
[51] **Int.Cl. E04H 15/02 (2006.01) E04H 1/02 (2006.01) E04H 15/08 (2006.01) E04H 15/32 (2006.01)**
[25] EN
[54] **STACKED TEMPORARY LODGINGS AND CONNECTORS**
[54] **LOGEMENTS TEMPORAIRES EMPILES ET CONNECTEURS**
[72] SHIRLEY-SMITH, ALEX, GB
[71] SHIRLEY-SMITH, ALEX, GB
[22] 2023-10-25
[41] 2024-04-30
[30] US (17/976,930) 2022-10-31

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[21] **3,217,681**
[13] A1
[51] **Int.Cl. H01R 13/6585 (2011.01) H01R 12/50 (2011.01) H01R 13/6461 (2011.01)**
[25] EN
[54] **GROUND SHIELDS POSITIONED BETWEEN COLUMNS OF CONTACTS**
[54] **BLINDAGES DE TERRE POSITIONNES ENTRE DES COLONNES DE CONTACTS**
[72] GINGRICH, CHARLES RAYMOND, III, US
[72] SMINK, RUTGER WILHELMUS, NL
[72] TUIN, JACOBUS NICOLAAS, NL
[72] WALTON, SCOTT ERIC, US
[72] MILLER, KEITH EDWIN, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-10-25
[41] 2024-04-28
[30] US (18/050,576) 2022-10-28

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[21] **3,217,688**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 16/27 (2019.01)**
[25] EN
[54] **MULTI-FACTOR AUTHENTICATION USING BLOCKCHAIN**
[54] **AUTHENTIFICATION MULTIFACTEUR AU MOYEN DE LA CHAINE DE BLOCS**
[72] PRATHIPATI, JAYANTH, US
[72] PICK, DANIEL, US
[72] HART, COLIN, US
[71] CAPITAL ONE SERVICES LLC, US
[22] 2023-10-24
[41] 2024-04-28
[30] US (18/050952) 2022-10-28

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[21] **3,217,705**
[13] A1
[51] **Int.Cl. E04H 17/14 (2006.01) E04H 17/00 (2006.01)**
[25] EN
[54] **BARRIER HEIGHT EXTENDER**
[54] **EXTENSION DE HAUTEUR DE BARRIERE**
[72] HERITAGE, CHRISTOPHER J., US
[72] SCHNEIDER, CHRISTOPHER MICHAEL, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-10-25
[41] 2024-04-28
[30] US (63/420,434) 2022-10-28

[21] **3,217,709**
[13] A1
[51] **Int.Cl. B62D 1/184 (2006.01) B62D 1/187 (2006.01)**
[25] EN
[54] **VEHICLE HAVING A STEERING ASSEMBLY**
[54] **VEHICULE COMPRENANT UN MECANISME DE DIRECTION**
[72] DUFORD, JEREMIE, CA
[72] RAMIERE, ANTHONY, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2023-10-25
[41] 2024-04-30
[30] US (63/420,991) 2022-10-31

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[21] **3,217,731**
[13] A1
[51] **Int.Cl. A01C 7/14 (2006.01) A01C 7/04 (2006.01) A01C 7/18 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED METERING DEVICE AND METHOD OF MOUNTING THE SAME**
[54] **DOSEUR A SEMENCES ET METHODES D~INSTALLATION**
[72] GARNER, ELIJAH B., US
[72] BORKGREN, STANLEY R., US
[72] HARMON, ANDREW W., US
[71] DEERE & COMPANY, US
[22] 2023-10-24
[41] 2024-04-30
[30] US (63/420,856) 2022-10-31
[30] US (18/486,698) 2023-10-13

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[21] **3,217,808**
[13] A1
[51] **Int.Cl. G06K 7/10 (2006.01) G06F 13/40 (2006.01)**
[25] EN
[54] **EMBEDDED RFID TAG READER**
[54] **LECTEUR D'ETIQUETTE RFID INTEGRE**
[72] SUN, JIAN, CA
[72] HU, JIANQUAN, CA
[72] HUI, SHIQIANG, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2023-10-26
[41] 2024-04-28
[30] US (63/420162) 2022-10-28

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[21] **3,217,817**
[13] A1
[51] **Int.Cl. H01R 13/6585 (2011.01) H01R 13/6461 (2011.01) H01R 13/24 (2006.01)**
[25] EN
[54] **CONTACT AND SHIELD CONFIGURATION FOR GROUND CURRENT OPTIMIZATION**
[54] **CONFIGURATION DE CONTACT ET DE BLINDAGE POUR L'OPTIMISATION DE COURANT A LA TERRE**
[72] MILLER, KEITH EDWIN, US
[72] WALTON, SCOTT ERIC, US
[72] GINGRICH III, CHARLES RAYMOND, US
[72] SMITH, RODNEY, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-10-25
[41] 2024-04-28
[30] US (18/050,523) 2022-10-28

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[21] **3,217,823**
[13] A1
[51] **Int.Cl. G06K 19/067 (2006.01) G07C 9/20 (2020.01) G06K 1/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVISIONING A PHYSICAL SECURITY TOKEN**
[54] **SYSTEME ET METHODE POUR FOURNIR UN JETON DE SECURITE PHYSIQUE**
[72] FAUVET, JEREMY, CA
[72] LEDEBT, HERVE, CA
[72] DE LA HOZ, DAMIEN, CA
[71] GENETEC INC., CA
[22] 2023-10-25
[41] 2024-04-28
[30] EP (22306645.7) 2022-10-28

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[21] **3,217,834**
[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01) E05B 37/20 (2006.01) E05B 49/00 (2006.01)**
[25] EN
[54] **DOOR LOCK ASSEMBLY**
[54] **ASSEMBLAGE DE SERRURE DE PORTE**
[72] DERHAM, MICHAEL, GB
[71] MIGHTON PRODUCTS LIMITED, GB
[22] 2023-10-26
[41] 2024-04-30
[30] GB (2216070.9) 2022-10-31

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[21] **3,217,854**
[13] A1
[25] FR
[54] **NON-DESTRUCTIVE CONTROL PROCEDURE FOR A PLURALITY OF ELEMENTS**
[54] **PROCEDE DE CONTROLE NON DESTRUCTIF D'UNE PLURALITE D'ELEMENTS**
[72] PAUL, NICOLAS, FR
[72] COURET, LAURA, FR
[71] ELECTRICITE DE FRANCE, FR
[22] 2023-10-26
[41] 2024-04-28
[30] FR (2211287) 2022-10-28

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[21] **3,217,884**
[13] A1
[51] **Int.Cl. E04H 17/20 (2006.01) E04H 17/14 (2006.01)**
[25] EN
[54] **MIXED MATERIAL HORIZONTAL ALUMINUM FENCE SYSTEM AND METHOD**
[54] **SYSTEME DE CLOTURE HORIZONTALE EN ALUMINIUM A MATERIAUX MIXTES ET METHODE**
[72] SCHNEIDER, CHRISTOPHER MICHAEL, US
[72] MOORE, PAIGE BARBARA, US
[72] BERTKE, PATRICK JOSEPH, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-10-26
[41] 2024-04-28
[30] US (63/420,359) 2022-10-28

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[21] **3,217,888**
[13] A1
[25] FR
[54] **METHOD FOR DETECTION OF FLAWS IN A TUBULAR HEAT EXCHANGER**
[54] **PROCEDE DE DETECTION DE DEFAUTS DANS UN ECHANGEUR THERMIQUE A TUBES**
[72] MURE, JOSEPH, FR
[72] PAUL, NICOLAS, FR
[72] VALLANCE, LOIC, FR
[71] ELECTRICITE DE FRANCE, FR
[22] 2023-10-26
[41] 2024-04-28
[30] FR (2211290) 2022-10-28

[21] **3,217,893**
[13] A1
[51] **Int.Cl. H02P 1/16 (2006.01) H02P 1/00 (2006.01) H02P 1/04 (2006.01) H02P 27/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR REDUCED VOLTAGE STARTING OF MOTORS WITH BUMPLESS FORCE TRANSITION**
[54] **APPAREIL ET METHODES DE DEMARRAGE A TENSION REDUITE DE MOTEURS A TRANSITION DE FORCE SANS HEURT**
[72] SIMMS, STAN R., IE
[72] FARR, THOMAS A., IE
[72] BRAGA, GABRIEL TEIXEIRA, IE
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2023-10-27
[41] 2024-05-04
[30] US (18/052879) 2022-11-04

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[21] **3,217,896**
[13] A1
[51] **Int.Cl. B65D 43/10 (2006.01) B65D 5/18 (2006.01) B65D 5/468 (2006.01) B65D 5/64 (2006.01) B65D 21/036 (2006.01) B65D 43/03 (2006.01)**
[25] EN
[54] **HYBRID CONTAINER**
[54] **CONTENANT HYBRIDE**
[72] GRUEN, SARAH CATHERINE, US
[72] WOLF, KURT, US
[72] SCHULER, JASON, US
[72] SISKINDOVICH, YOHANAN, US
[71] SABERT CORPORATION, US
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/420,394) 2022-10-28

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[21] **3,217,898**
[13] A1
[51] **Int.Cl. G06Q 10/0639 (2023.01)**
[25] EN
[54] **REAL-TIME KEY PERFORMANCE INDICATOR**
[54] **INDICATEUR DE RENDEMENT CLE EN TEMPS REEL**
[72] CONRAD, CHRISTOPHER MICHAEL, US
[71] RAVING FAN SERVICES, LLC, US
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/975,930) 2022-10-28

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[21] **3,217,903**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **SENSING AND SECRETION BYPASS APPARATUSES AND ASSOCIATED METHODS**
[54] **APPAREILS ET METHODES CONNEXES DE DERIVATION DE LA DETECTION ET DE LA SECRETION**
[72] AVASTHI, RAHUL, US
[72] BENTLEY, IAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2023-10-27
[41] 2024-05-04
[30] US (18/052,666) 2022-11-04

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[21] **3,217,904**
[13] A1
[51] **Int.Cl. F02B 57/00 (2006.01) F02B 53/00 (2006.01) F02B 55/00 (2006.01) F02B 59/00 (2006.01)**
[25] EN
[54] **ROTARY ENGING ROTOR AND METHOD**
[54] **ROTOR DE MOTEUR A PISTON ROTATIF ET METHODE**
[72] PLAMONDON, ETIENNE, CA
[72] BOUSQUET, MICHEL, CA
[72] JOSHI, NINAD, CA
[72] SAVARIA, VINCENT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/976,498) 2022-10-28

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[21] **3,217,905**
[13] A1
[51] **Int.Cl. B65D 81/34 (2006.01) B65D 5/02 (2006.01) B65D 5/20 (2006.01) B65D 5/36 (2006.01) B65D 5/42 (2006.01) B65D 5/56 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **MICROWAVABLE PACKAGE HAVING SUSCEPTORS**
[54] **EMBALLAGE POUR MICRO-ONDES COMPRENANT DES MATERIAUX INTERACTIFS**
[72] KHORASI, SAMAN NOOR, US
[72] FALLONE, ALANNA PATRICIA, US
[72] SITTERLY, ERIC, US
[71] H.J. HEINZ COMPANY BRANDS LLC, US
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/420,318) 2022-10-28
[30] US (63/472,184) 2023-06-09

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[21] **3,217,906**
[13] A1
[51] **Int.Cl. F02C 7/28 (2006.01)**
[25] EN
[54] **CONDUIT BUSHING WITH CELLULAR MATERIAL**
[54] **MANCHON DE TUBE COMPRENANT UN MATERIAU ALVEOLAIRE**
[72] KOWIEL, KRZYSZTOF, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/976,465) 2022-10-28

[21] **3,217,912**
[13] A1
[51] **Int.Cl. F41A 21/26 (2006.01) F41A 21/48 (2006.01) F41A 33/00 (2006.01)**
[25] EN
[54] **CONVERSION KIT FOR REPLACING A BARREL ON A SERVICE WEAPON WITH A TRAINING BARREL TO FIRE REDUCED ENERGY TRAINING ROUNDS**
[54] **TROUSSE DE CONVERSION POUR REMPLACER UN BARILLET D~UNE ARME DE SERVICE PAR UN BARILLET D~ENTRAINEMENT, DANS LE BUT DE TIRER DES PROJECTILES D'EXERCICE A ENERGIE REDUITE**
[72] DION, RICHARD, CA
[72] PICARD, ERICK, CA
[71] GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS - CANADA INC., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/381,475) 2022-10-28

[21] **3,217,913**
[13] A1
[51] **Int.Cl. C09D 5/18 (2006.01) C09D 7/61 (2018.01) C09D 7/63 (2018.01) E04C 2/02 (2006.01)**
[25] EN
[54] **COATINGS FOR BUILDING PANELS**
[54] **REVETEMENTS POUR PANNEAUX DE CONSTRUCTION**
[72] HUGHES, JOHN E., US
[72] ZHANG, LINZHU, US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[22] 2023-10-26
[41] 2024-04-28
[30] US (63/420,209) 2022-10-28

[21] **3,217,944**
[13] A1
[51] **Int.Cl. H04L 65/75 (2022.01)**
[25] FR
[54] **METHOD FOR SENDING AN AUDIO STREAM FROM A PARTICIPATING TERMINAL IN A CONFERENCE SESSION INVOLVING A PLURALITY OF OTHER THIRD-PARTY TERMINALS**
[54] **PROCEDE D'ENVOI D'UN FLUX AUDIO D'UN TERMINAL PARTICIPANT A UNE SESSION DE CONFERENCE IMPLIQUANT UNE PLURALITE D'AUTRES TERMINAUX TIERS**
[72] PREVITALI, FLORENT, FR
[71] STREAMWIDE, FR
[22] 2023-10-27
[41] 2024-05-04
[30] FR (2211518) 2022-11-04

[21] **3,217,949**
[13] A1
[51] **Int.Cl. E04H 17/14 (2006.01) E04H 17/20 (2006.01)**
[25] EN
[54] **BOARD CLEAT APPARATUS AND METHOD FOR MIXED MATERIAL HORIZONTAL ALUMINUM FENCE**
[54] **APPAREIL DE TAQUET DE PANNEAU ET METHODE POUR UNE CLOTURE EN ALUMINIUM HORIZONTALE A MATERIAUX MIXTES**
[72] SCHNEIDER, CHRISTOPHER MICHAEL, US
[72] BERTKE, PATRICK JOSEPH, US
[71] BARRETTE OUTDOOR LIVING, INC., US
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/420,386) 2022-10-28

[21] **3,217,950**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G16H 10/60 (2018.01) G16H 20/00 (2018.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR PERSISTENT HEALTH DATA COLLECTION AND MULTI-LEVEL PRIORITIZATION**
[54] **SYSTEMES ET METHODES MIS EN OEUVRE PAR ORDINATEUR POUR LA COLLECTE DE DONNEES DE SANTE PERSISTANTES ET L'ETABLISSEMENT DE PRIORITES A ECHELONS MULTIPLES**
[72] ANTHONY, JOSHUA, US
[72] KEELER, AMY, US
[72] NORPEL, SAMIA, US
[72] ZAKI, MAURICE, US
[71] JUVYOU (EUROPE) LIMITED, IE
[22] 2023-10-27
[41] 2024-04-30
[30] US (63/381743) 2022-10-31

[21] **3,217,951**
[13] A1
[51] **Int.Cl. B64D 31/00 (2024.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THRUST LINEARIZATION WITH THRUST LEVER ANGLE**
[54] **SYSTEME ET METHODE RELATIFS A LA LINEARISATION DE POUSSEE ET A L~ANGLE DE MANETTE DE POUSSEE**
[72] POISSANT, JEFFREY, CA
[72] PONTARELLI, ROBERT, CA
[72] CRAINIC, CRISTINA, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/976,509) 2022-10-28

[21] **3,217,954**
[13] A1
[51] **Int.Cl. C10M 163/00 (2006.01) C10M 135/18 (2006.01) C10M 159/24 (2006.01)**
[25] EN
[54] **LUBRICATING COMPOSITIONS FOR REDUCED LOW TEMPERATURE VALVE TRAIN WEAR**
[54] **COMPOSITIONS DE LUBRIFICATION POUR REDUIRE L~USURE DE LA COMMANDE DE SOUPAPE A BASSE TEMPERATURE**
[72] FIELD, SAMUEL BRUCE, GB
[72] GARELICK, KENNETH, US
[72] HOSHINO, HIDETAKA, US
[72] CARPENTIER, GUILLAUME, US
[71] AFTON CHEMICAL CORPORATION, US
[22] 2023-10-27
[41] 2024-04-28
[30] US (18/050,843) 2022-10-28

[21] **3,217,956**
[13] A1
[51] **Int.Cl. H04L 65/75 (2022.01)**
[25] FR
[54] **METHOD FOR PROCESSING A DATA STREAM FROM A CONFERENCE SESSION THROUGH A SESSION SERVER**
[54] **PROCEDE DE TRAITEMENT DE FLUX DE DONNEES D'UNE SESSION DE CONFERENCE PAR UN SERVEUR DE SESSION**
[72] PREVITALI, FLORENT, FR
[71] STREAMWIDE, FR
[22] 2023-10-27
[41] 2024-05-04
[30] FR (2211519) 2022-11-04

[21] **3,217,961**
[13] A1
[51] **Int.Cl. G06Q 10/0639 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WORKER RECOMMENDATIONS**
[54] **SYSTEME ET METHODE DE RECOMMANDATIONS DE TRAVAILLEUR**
[72] KHAN, KALIMULLA, US
[72] JAYATHIRTHA, SRIHARI, US
[72] LINDSEY, WADE, US
[72] MILLER, MICHAEL, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2023-10-27
[41] 2024-05-01
[30] US (18/051,731) 2022-11-01

[21] **3,217,962**
[13] A1
[51] **Int.Cl. E05C 1/00 (2006.01) H01R 24/66 (2011.01) E05B 15/02 (2006.01) E05F 7/00 (2006.01) H01R 33/06 (2006.01)**
[25] EN
[54] **LATCH BOLT AND STRIKE PLATE WITH ELECTRICAL CONDUCTOR**
[54] **BOULON DE VERROUILLAGE ET GACHE COMPRENANT UN CONDUCTEUR ELECTRIQUE**
[72] KILSDONK, DANIEL, US
[71] SARGENT MANUFACTURING COMPANY, US
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/420,125) 2022-10-28

[21] **3,218,020**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G06F 18/22 (2023.01)**
[25] EN
[54] **BEHAVIOUR DETECTION USING WEARABLE DEVICES**
[54] **DETECTION DE COMPORTEMENT AU MOYEN DE DISPOSITIFS A PORTER**
[72] CAMPBELL, ELLSWORTH MARVIN, III, CA
[72] GUPTA, PUNEET, CA
[72] WEINBERG, KERRY, CA
[71] LEAGUE, INC., CA
[22] 2023-10-30
[41] 2024-04-30
[30] US (63/420,830) 2022-10-31

[21] **3,218,025**
[13] A1
[51] **Int.Cl. B63H 20/12 (2006.01) B63H 20/00 (2006.01) F02D 29/02 (2006.01) F02D 45/00 (2006.01)**
[25] EN
[54] **PORTABLE MOTORIZED PROPULSION SYSTEM FOR A WATERCRAFT**
[54] **SYSTEME DE PROPULSION MOTORISE PORTATIF POUR UNE EMBARCATION**
[72] CHAND, SRI JAGDESH, IN
[72] NOTANEY, SIDDHARTH RAMESH, IN
[72] MONROE, GARY S., US
[72] BAROTE, VISHNU BHAGAWAN, IN
[71] ZOOM FINS LLC, US
[22] 2023-10-30
[41] 2024-04-28
[30] US (18/050,588) 2022-10-28

[21] **3,218,051**
[13] A1
[25] EN
[54] **WEARABLE COMMUNICATION DEVICE HOLDER WITH CUSTOMIZABLE REACH**
[54] **SUPPORT DE DISPOSITIF DE COMMUNICATION A PORTER COMPRENANT UNE ETENDUE PERSONNALISABLE**
[72] RICHMOND, FRED ANTHONY, CA
[71] RICHMOND, FRED ANTHONY, CA
[22] 2023-10-30
[41] 2024-04-30
[30] US (63/381,655) 2022-10-31

[21] **3,218,068**
[13] A1
[51] **Int.Cl. B64D 33/02 (2006.01) F02C 7/057 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AN INTAKE INLET SHAPE OF A PROPULSION SYSTEM AIR INTAKE**
[54] **SYSTEMES ET METHODES POUR CONTROLER UNE FORME D~ENTREE DE PRISE D'AIR D~UN SYSTEME DE PROPULSION**
[72] CUNNINGHAM, MARK, CA
[72] AKCAYOZ, ERAY, CA
[72] RAMAMURTHY, RAJA, CA
[72] MARRANO, ROBERTO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-30
[41] 2024-04-30
[30] US (17/977,722) 2022-10-31

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[21] **3,218,076**
[13] A1
[51] **Int.Cl. B64D 33/02 (2006.01) F02C 7/052 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AN AIR FLOW RATE FOR A PROPULSION SYSTEM AIR INTAKE**
[54] **SYSTEMES ET METHODES POUR CONTROLER UN DEBIT D~AIR D~UNE PRISE D'AIR D~UN SYSTEME DE PROPULSION**
[72] AKCAYOZ, ERAY, CA
[72] CUNNINGHAM, MARK, CA
[72] RAMAMURTHY, RAJA, CA
[72] MARRANO, ROBERTO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-30
[41] 2024-04-30
[30] US (17/977,680) 2022-10-31

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[21] **3,218,094**
[13] A1
[51] **Int.Cl. A47C 19/02 (2006.01) A47C 16/00 (2006.01)**
[25] EN
[54] **HEADBOARD**
[54] **TETE DE LIT**
[72] WANG, JIETONG, CN
[72] LIU, SHENGHAO, CN
[72] ANDERSON, STEVE, CN
[71] XIBAO (FUJIAN) HOME FURNISHING CO., LTD., CN
[22] 2023-10-30
[41] 2024-04-30
[30] CN (202222917116.4) 2022-10-31

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[21] **3,218,199**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01) B01F 23/50 (2022.01) B01F 27/72 (2022.01) B01F 35/213 (2022.01) B01F 35/214 (2022.01) B01F 35/22 (2022.01) B01F 35/75 (2022.01)**
[25] EN
[54] **PROCESS AND ARRANGEMENT FOR PRODUCTION OF AN ELECTRODE SUSPENSION**
[54] **PROCEDE ET CONFIGURATION POUR LA PRODUCTION D~UNE SUSPENSION D~ELECTRODE**
[72] HEYN, JOHANNES, DE
[72] FIEDLER, MARKUS, DE
[72] KWADE, ARNO, DE
[72] WEBER, MARCEL, DE
[71] COPERION GMBH, DE
[22] 2023-10-27
[41] 2024-04-28
[30] EP (22204480.2) 2022-10-28

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[21] **3,218,207**
[13] A1
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 11/00 (2006.01) C04B 24/38 (2006.01) C04B 24/42 (2006.01)**
[25] EN
[54] **WATER-RESISTANT GYPSUM BOARDS AND METHODS FOR MAKING SAME**
[54] **PANNEAUX DE PLATRE RESISTANTS A L'EAU ET METHODES DE FABRICATION**
[72] AMATO, DAHLIA, US
[72] LESPIAT, REMI, US
[72] MCGINLEY, PATRICK, US
[71] CERTAINTEED GYPSUM, INC., US
[22] 2023-10-31
[41] 2024-04-30
[30] EP (23152810) 2023-01-23
[30] US (63/381,576) 2022-10-31

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[21] **3,218,210**
[13] A1
[51] **Int.Cl. G09G 3/20 (2006.01) G09G 3/3225 (2016.01) G09F 9/33 (2006.01) G09G 3/00 (2006.01)**
[25] EN
[54] **LOW-POWER ACTIVE MATRIX DISPLAY WITH ROW AND/OR DATA DRIVER ENERGY RECYCLING TECHNIQUES**
[54] **AFFICHAGE A MATRICE ACTIVE BASSE PUISSANCE COMPRENANT DES TECHNIQUES DE RECYCLAGE D'ENERGIE DU PILOTE DE RANGEE ET/OU DE DONNEES**
[72] GOHARDEHI, SHEIDA, CA
[72] SACHDEV, MANOJ, CA
[71] GOHARDEHI, SHEIDA, CA
[71] SACHDEV, MANOJ, CA
[22] 2023-10-31
[41] 2024-05-02
[30] US (63/421,701) 2022-11-02

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[21] **3,218,214**
[13] A1
[51] **Int.Cl. E06B 3/42 (2006.01) E06B 1/04 (2006.01) E06B 3/32 (2006.01)**
[25] EN
[54] **CURVED FENESTRATION ASSEMBLIES AND METHODS FOR MAKING THE SAME**
[54] **ASSEMBLAGES DE FENESTRATION INCURVES ET METHODES DE FABRICATION**
[72] ROSS, ROBERT M., US
[72] RASMUSSEN, JAMES, US
[72] STEWART, JAMES H., US
[72] SCHROEDER-SCHOCK, JUSTIN, US
[72] SORBY, ERIC A., US
[71] MARVIN LUMBER AND CEDAR COMPANY, LLC D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/421,110) 2022-10-31

[21] **3,218,243**
[13] A1
[25] EN
[54] **REMOTE MONITORING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE A DISTANCE**
[72] PROCHNOW, MICHAEL R., US
[71] BOONE CABLE WORKS & ELECTRONICS, INC., US
[22] 2023-10-31
[41] 2024-05-01
[30] US (63/421,370) 2022-11-01
[30] US (18/496,363) 2023-10-27

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[21] **3,218,249**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 16/95 (2019.01) G06F 40/143 (2020.01) G06F 40/174 (2020.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MACHINE LEARNING ARCHITECTURE FOR ELECTRONIC FIELD AUTOFILL**
[54] **SYSTEME ET METHODE D'ARCHITECTURE D'APPRENTISSAGE POUR LE REMPLISSAGE DE CHAMP ELECTRONIQUE AUTOMATIQUE**
[72] RATHOD, DHARITRI, CA
[72] NABULSI, ADEL AL, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/421,144) 2022-10-31

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[21] **3,218,257**
[13] A1
[51] **Int.Cl. H01M 50/514 (2021.01) H01M 10/6556 (2014.01) H01M 10/6568 (2014.01) H01M 10/6569 (2014.01) H01M 50/204 (2021.01) H01M 50/269 (2021.01) H01M 50/509 (2021.01) H01M 6/50 (2006.01)**
[25] EN
[54] **BATTERY ASSEMBLIES**
[54] **ASSEMBLAGES DE BATTERIE**
[72] JUAN, AARON DANIEL, US
[72] SINGH, SURINDER, US
[72] SHARMA, RATNESH K., US
[71] RELYION ENERGY, INC., US
[22] 2023-10-31
[41] 2024-05-03
[30] US (18/052,468) 2022-11-03

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[21] **3,218,277**
[13] A1
[51] **Int.Cl. F16L 29/00 (2006.01) F16L 21/08 (2006.01) F16L 25/00 (2006.01)**
[25] EN
[54] **DYNAMIC MANIFOLD LOCKING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE COLLECTEUR DYNAMIQUE**
[72] KIBLER, MATTHEW E., US
[72] SNOKE, NICOLAS G., US
[72] HUTCHINSON, STEVEN M., US
[72] SCHOLL, KYLE W., US
[72] NITTALA, SRIKAR S., US
[71] FHE USA LLC, US
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/381,721) 2022-10-31

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[13] A1
[51] **Int.Cl. C08L 83/08 (2006.01) B33Y 70/00 (2020.01) B29C 64/112 (2017.01) C08L 75/04 (2006.01)**
[25] EN
[54] **PRINTABLE HYDROPHILIC AND VISCOELASTIC SILICONE MATERIAL AND METHOD OF MANUFACTURING SAME**
[54] **MATERIAU DE SILICONE HYDROPHILE ET VISCOELASTIQUE IMPRIMABLE ET METHODE DE FABRICATION**
[72] GOLZAR, HOSSEIN, CA
[72] TANG, XIAOWU (SHIRLEY), CA
[71] TANG, XIAOWU (SHIRLEY), CA
[71] GOLZAR, HOSSEIN, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/475,328) 2022-11-01

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[21] **3,218,324**
[13] A1
[51] **Int.Cl. B64D 33/02 (2006.01) F02C 7/052 (2006.01) F02C 7/057 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING AN AIR FLOW PATH FOR A PROPULSION SYSTEM AIR INTAKE**
[54] **SYSTEMES ET METHODES POUR CONTROLER UNE VOIE DE CIRCULATION D~UNE PRISE D'AIR D~UN SYSTEME DE PROPULSION**
[72] RAMAMURTHY, RAJA, CA
[72] AKCAYOZ, ERAY, CA
[72] CUNNINGHAM, MARK, CA
[72] MARRANO, ROBERTO, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-30
[41] 2024-04-30
[30] US (17/977,737) 2022-10-31

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[13] A1
[51] **Int.Cl. E06B 1/04 (2006.01) E06B 3/32 (2006.01) E06B 3/42 (2006.01)**
[25] EN
[54] **FENESTRATION ASSEMBLY WITH OPERABLE FLOATING SASH AND METHODS FOR SAME**
[54] **ASSEMBLAGE DE FENESTRATION COMPRENANT UN CHASSIS FLOTTANT ET METHODES CONNEXES**
[72] LUND, DAVID M., US
[71] MARVIN LUMBER AND CEDAR COMPANY, LLC D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,431) 2022-11-01

[21] **3,218,363**
[13] A1
[51] **Int.Cl. B01J 20/34 (2006.01)**
[25] EN
[54] **A METHOD OF RECYCLING C-14 IN SPENT RESIN AND APPARATUS FOR RECYCLING THE SAME**
[54] **METHODE DE RECYCLAGE DE C-14 DANS LA RESINE EPUISEE ET APPAREIL DE RECYCLAGE CONNEXE**
[72] LEE, KI RAK, KR
[72] PARK, HWAN SEO, KR
[72] PARK, GEUN IL, KR
[72] KIM, GA YEONG, KR
[72] CHOI, JUNG HOON, KR
[72] KANG, HYUN WOO, KR
[71] KOREA ATOMIC ENERGY RESEARCH INSTITUTE, KR
[22] 2023-10-31
[41] 2024-05-01
[30] KR (10-2022-0143867) 2022-11-01

[21] **3,218,364**
[13] A1
[51] **Int.Cl. F01D 25/12 (2006.01) F01D 5/18 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE COMPONENT WITH INTEGRAL HEAT EXCHANGER**
[54] **COMPOSANT DE TURBINE A GAZ ET ECHANGEUR DE CHALEUR INTEGRE**
[72] DUROCHER, ERIC S., CA
[72] NACCACHE, GABRIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/976,397) 2022-10-28

[21] **3,218,369**
[13] A1
[51] **Int.Cl. F17D 5/02 (2006.01)**
[25] EN
[54] **ROBOT BALL DETECTION DEVICE**
[54] **DISPOSITIF DE DETECTION D'UNE BOULE ROBOT**
[72] TOFTE, NATHAN L., US
[72] HARVEY, BRIAN N., US
[72] KING. VICKI, US
[72] HARR, JOSEPH P., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,437) 2022-11-01
[30] US (63/423,710) 2022-11-08
[30] US (63/426,255) 2022-11-17
[30] US (63/432,207) 2022-12-13
[30] US (63/432,203) 2022-12-13
[30] US (63/432,209) 2022-12-13
[30] US (18/122,873) 2023-03-17

[21] **3,218,373**
[13] A1
[51] **Int.Cl. F01D 25/12 (2006.01) F01D 5/18 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE COMPONENT WITH INTEGRAL HEAT EXCHANGER**
[54] **COMPOSANT DE TURBINE A GAZ ET ECHANGEUR DE CHALEUR INTEGRE**
[72] DUROCHER, ERIC S., CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-27
[41] 2024-04-28
[30] US (17/976,413) 2022-10-28

[21] **3,218,376**
[13] A1
[51] **Int.Cl. A61K 38/39 (2006.01) A61K 8/36 (2006.01) A61K 8/37 (2006.01) A61K 8/92 (2006.01) A61K 31/23 (2006.01) A61K 35/56 (2015.01) A61K 36/00 (2006.01) A61K 36/185 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01) A61P 31/00 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COMPOSITION OF AND METHOD FOR TREATING INJURY AND/OR SKIN CONDITIONS**
[54] **COMPOSITION ET METHODE POUR LE TRAITEMENT DE BLESSURES ET/OU DE CONDITIONS DE LA PEAU**
[72] BETTLE, GRISCOM, III, US
[72] HAYES, LALANIA, US
[72] BAKEWELL, SUZANNE, US
[71] OMEZA HOLDINGS, INC., US
[22] 2023-10-26
[41] 2024-04-28
[30] US (63/420,509) 2022-10-28
[30] US (63/420,412) 2022-10-28
[30] US (63/420,202) 2022-10-28

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 10/60 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **CLINICAL DIAGNOSTIC AND PATIENT INFORMATION SYSTEMS AND METHODS**
[54] **DIAGNOSTIC CLINIQUE ET SYSTEMES ET METHODES DE RENSEIGNEMENTS SUR LE PATIENT**
[72] PALANIAPPAN, RAGHAVAN, US
[71] IDEXX LABORATORIES, INC., US
[22] 2023-10-25
[41] 2024-05-03
[30] US (63/422,081) 2022-11-03

[21] **3,218,379**
[13] A1
[51] **Int.Cl. B44B 11/00 (2006.01) B23D 79/00 (2006.01) B44B 1/00 (2006.01) B44B 3/00 (2006.01)**
[25] EN
[54] **ENGRAVING MACHINE FOR ENGRAVING METALLIC AND NON-METALLIC ITEMS**
[54] **MACHINE A GRAVER POUR LA GRAVURE DANS LES OBJETS METALLIQUES ET NON METALLIQUES**
[72] WILKINSON, DAVID, US
[72] PALMER, ROGER, US
[71] THE HILLMAN GROUP, INC., US
[22] 2023-10-27
[41] 2024-04-28
[30] US (63/381,322) 2022-10-28
[30] US (18/468,838) 2023-09-18

[21] **3,218,383**
[13] A1
[51] **Int.Cl. F16L 55/48 (2006.01)**
[25] EN
[54] **FLUSHABLE PILL SENSOR**
[54] **DETECTEUR EN PILULE ALIMENTE DANS UN TUYAU**
[72] TOFTE, NATHAN L., US
[72] HARVEY, BRIAN N., US
[72] KING, VICKI, US
[72] HARR, JOSEPH P., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,437) 2022-11-01
[30] US (63/423,710) 2022-11-08
[30] US (63/426,255) 2022-11-17
[30] US (63/432,207) 2022-12-13
[30] US (63/432,203) 2022-12-13
[30] US (63/432,209) 2022-12-13
[30] US (18/122,871) 2023-03-17

[21] **3,218,393**
[13] A1
[25] EN
[54] **SUBTERRANEAN WATER PRESSURE SENSORS**
[54] **CAPTEURS DE PRESSION D'EAU SOUTERRAINE**
[72] TOFTE, NATHAN L., US
[72] HARVEY, BRIAN N., US
[72] KING, VICKI, US
[72] HARR, JOSEPH P., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,437) 2022-11-01
[30] US (63/423,710) 2022-11-08
[30] US (63/426,255) 2022-11-17
[30] US (63/432,207) 2022-12-13
[30] US (63/432,203) 2022-12-13
[30] US (63/432,209) 2022-12-13
[30] US (18/122,867) 2023-03-17

[21] **3,218,419**
[13] A1
[51] **Int.Cl. G01M 3/00 (2006.01) E03B 7/09 (2006.01) G05D 23/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING AND PREVENTING DAMAGE TO PIPES**
[54] **SYSTEMES ET METHODES POUR DETECTER ET PREVENIR LES DOMMAGES AUX TUYAUX**
[72] HARVEY, BRIAN N., US
[72] KING, VICKI, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,445) 2022-11-01
[30] US (63/425,541) 2022-11-15
[30] US (63/426,890) 2022-11-21
[30] US (63/437,259) 2023-01-05
[30] US (18/095,678) 2023-01-11

[21] **3,218,424**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING AND PREVENTING DAMAGE TO PIPES**
[54] **SYSTEMES ET METHODES POUR DETECTER ET PREVENIR LES DOMMAGES AUX TUYAUX**
[72] HARVEY, BRIAN N., US
[72] KING, VICKI, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,445) 2022-11-01
[30] US (63/425,541) 2022-11-15
[30] US (63/426,890) 2022-11-21
[30] US (63/437,257) 2023-01-05
[30] US (18/095,675) 2023-01-11

[21] **3,218,438**
[13] A1
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUSES FOR CONTENT STREAM MONITORING**
[54] **METHODES, SYSTEMES ET APPAREILS POUR LA SURVEILLANCE D~UNE DIFFUSION DE CONTENU**
[72] OZAWA, TOSHIRO, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-10-31
[41] 2024-04-30
[30] US (17/977,595) 2022-10-31

[21] **3,218,458**
[13] A1
[51] **Int.Cl. A01K 23/00 (2006.01) A01K 1/01 (2006.01)**
[25] EN
[54] **WASTE COLLECTION DEVICE AND METHOD**
[54] **DISPOSITIF ET METHODE DE COLLECTE DE DECHETS**
[72] DOERR, JENNIFER, CA
[71] DOERR, JENNIFER, CA
[22] 2023-11-01
[41] 2024-05-02
[30] US (63/421,833) 2022-11-02

[21] **3,218,469**
[13] A1
[51] **Int.Cl. C09D 7/45 (2018.01) C09D 167/02 (2006.01)**
[25] EN
[54] **SPRAYABLE TEXTURE COATING COMPOSITIONS AND METHODS OF APPLICATION**
[54] **COMPOSITIONS DE REVETEMENT TEXTURE VAPORISABLE ET METHODES D~APPLICATION**
[72] MITCHELL, SANFORD G., US
[72] SOLOMON, NICHOLAS, US
[72] CAUCHI, BRIAN, US
[72] LATHIA, NIRALI, US
[72] SEAVER, TODD A., US
[71] TRANSTAR AUTOBODY TECHNOLOGIES LLC, US
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/420,944) 2022-10-31
[30] CA (3,181,326) 2022-11-01
[30] US (18/385,621) 2023-10-31

[21] **3,218,500**
[13] A1
[51] **Int.Cl. B64D 31/00 (2024.01) F02C 7/057 (2006.01)**
[25] EN
[54] **COMPRESSOR BOOST CONTROL FOR AIRCRAFT ENGINE**
[54] **COMMANDE DE SURALIMENTATION POUR UN MOTEUR D'AERONEF**
[72] PLAMONDON, ETIENNE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-10-31
[41] 2024-05-01
[30] US (17/978,603) 2022-11-01

[21] **3,218,535**
[13] A1
[51] **Int.Cl. G06F 40/174 (2020.01) G06F 16/95 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOFILL OF WEBPAGE FIELDS**
[54] **SYSTEME ET METHODE DE REMPLISSAGE AUTOMATIQUE DES CHAMPS D'UNE PAGE WEB**
[72] GRANT, KYRA, CA
[72] BAPTISTE, DARREN, CA
[72] HOLLAND, EMMA ARTHUR, CA
[72] GASKIN, HENRY JAMES, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/420,912) 2022-10-31

[21] **3,218,546**
[13] A1
[51] **Int.Cl. C10G 53/08 (2006.01) C08K 3/22 (2006.01) C08K 3/34 (2006.01) C08K 3/36 (2006.01) C08L 67/00 (2006.01) C08L 101/02 (2006.01) C10G 25/02 (2006.01)**
[25] EN
[54] **NAPHTHALENE TYPE POLYMERS AS SOLID HYDROGEN TRANSFER AGENTS (SHTA), COMBINED WITH HYDROTREATING CATALYSTS TO OBTAIN ULTRA LOW SULFUR DIESEL (ULSD)**
[54] **POLYMERES DE TYPE NAPHTALENE COMME AGENTS DE TRANSFERT A HYDROGENE EN PHASE SOLIDE COMBINES A DES CATALYSEURS D~HYDROTRAITEMENT POUR OBTENIR UN CARBURANT DIESEL A TRES FAIBLE TENEUR EN SOUFRE**
[72] ALEMAN VAZQUEZ, LAURA OLIVIA, MX
[72] ALONSO MARTINEZ, FERNANDO, MX
[72] LAGOS GALVAN, FLAVIO AMERICO, MX
[72] LUNA RAMIREZ, MARIA DEL ROSARIO SOCORRO, MX
[72] TORRES MANCERA, LEON PABLO, MX
[72] AGUILAR ESCALANTE, RODOLFO, MX
[72] ANCHEYTA JUAREZ, JORGE, MX
[71] INSTITUTO MEXICANO DEL PETROLEO-UNIVERSIDAD DE GUANAJUATO, MX
[22] 2023-10-31
[41] 2024-04-30
[30] MX (MX/A/2022/013720) 2022-10-31

[21] **3,218,568**
[13] A1
[51] **Int.Cl. H04L 9/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SECURE DATA COMMUNICATIONS FOR STREAMLINED ELECTRONIC TRANSACTION PROCESSING**
[54] **SYSTEMES ET METHODES POUR DES COMMUNICATIONS DE DONNEES SECURISEES POUR LE TRAITEMENT SIMPLIFIE DE TRANSACTION ELECTRONIQUE**
[72] BADAL-BADALIAN, ARNOLD, CA
[72] BAEK, SEUNG BONG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/421,168) 2022-10-31

[21] **3,218,572**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR ZERO-KNOWLEDGE FACIAL RECOGNITION**
[54] **SYSTEME ET METHODE POUR LA RECONNAISSANCE FACIALE NULLE DE CONNAISSANCE**
[72] POURTABATABAIE, ARYA, CA
[72] CHOI, JOSEPH, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/421,164) 2022-10-31

[21] **3,218,672**
[13] A1
[25] EN
[54] **METHOD FOR TESTING AT LEAST ONE BATTERY CELL STACK WITH REGARD TO THE POSITION OF BATTERY CELL LAYERS**
[54] **METHODE DE MISE A L~ESSAI D~AU MOINS UN ASSEMBLAGE D~ELEMENT DE BATTERIE PAR RAPPORT A LA POSITION DES COUCHES D~ELEMENTS DE BATTERIE**
[72] MASUCH, STEFFEN, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[22] 2023-11-02
[41] 2024-05-04
[30] DE (10 2022 211 683.6) 2022-11-04

[21] **3,218,718**
[13] A1
[51] **Int.Cl. A01K 85/00 (2006.01) A01K 85/12 (2006.01) A01K 85/14 (2006.01)**
[25] EN
[54] **PROPELLER JIGGING SPOON LURES**
[54] **LEURRE EN CUILLERE A TURLUTTES COMPRENANT DES HELICES**
[72] PERIC, ALEX, US
[72] WIEBE, AARON, CA
[71] PERIC, ALEX, US
[71] WIEBE, AARON, CA
[22] 2023-11-03
[41] 2024-05-04
[30] US (63/422,726) 2022-11-04

[21] **3,218,720**
[13] A1
[25] EN
[54] **MEASURING FLUID TEMPERATURE IN A GAS METER**
[54] **MESURE DE LA TEMPERATURE DE FLUIDE DANS UN COMPTEUR DE GAZ**
[72] ARTIUCH, ROMAN LEON, US
[72] ROTHWELL, LORA PALACIOS, US
[72] GRAEBNER, ADAM PAUL, US
[71] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
[22] 2023-11-01
[41] 2024-05-01
[30] US (63/421,266) 2022-11-01
[30] US (18/496,972) 2023-10-30

[21] **3,218,721**
[13] A1
[51] **Int.Cl. B60L 50/60 (2019.01) B62D 55/07 (2006.01) B62M 27/02 (2006.01)**
[25] EN
[54] **ELECTRICALLY-POWERED SNOWMOBILE**
[54] **MOTONEIGE ELECTRIQUE**
[72] SCHROEDER, MATTHEW, CA
[71] TAIGA MOTORS INC., CA
[22] 2023-11-02
[41] 2024-05-04
[30] US (63/422,617) 2022-11-04

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[13] A1
[51] **Int.Cl. B65D 81/38 (2006.01) A45C 11/20 (2006.01) A47J 47/10 (2006.01) A47J 47/14 (2006.01) B65D 6/10 (2006.01)**
[25] EN
[54] **INSULATED CONTAINER FOR KEEPING LUNCH FOOD**
[54] **CONTENANT ISOLE POUR CONSERVER LES REPAS**
[72] BOULERICE, PASCALE, CA
[72] BORDELEAU, ERIC, CA
[71] BOULERICE, PASCALE, CA
[71] BORDELEAU, ERIC, CA
[22] 2023-11-03
[41] 2024-05-04
[30] GB (2216497.4) 2022-11-04

[21] **3,218,762**
[13] A1
[51] **Int.Cl. H04W 72/20 (2023.01) H04W 74/08 (2024.01) H04W 84/12 (2009.01)**
[25] EN
[54] **COMMUNICATIONS USING MILLIMETER WAVES**
[54] **COMMUNICATIONS A L~AIDE D~ONDES MILLIMETRIQUES**
[72] BAYKAS, TUNCER, US
[72] KIM, JEONGKI, US
[72] DINAN, ESMAEL HEJAZI, US
[72] LANANTE, LEONARDO ALISASIS, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-10-31
[41] 2024-04-30
[30] US (63/420,739) 2022-10-31

[21] **3,218,764**
[13] A1
[51] **Int.Cl. H04W 72/25 (2023.01) H04W 72/0446 (2023.01) H04W 72/40 (2023.01) H04W 72/563 (2023.01)**
[25] EN
[54] **ASSIGNMENT OF CONSECUTIVE RESOURCES FOR SIGNAL TRANSMISSION**
[54] **ATTRIBUTION DE RESSOURCES CONSECUTIVES POUR LA TRANSMISSION DE SIGNAUX**
[72] HUI, BING, US
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[72] LIN, HUIFA, US
[72] JEON, HYOUNGSUK, US
[72] HONG, JONGWOO, US
[72] RASTEGARDOOST, NAZANIN, US
[72] KIM, TAEHUN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-02
[41] 2024-05-02
[30] US (63/421,847) 2022-11-02

[21] **3,218,766**
[13] A1
[51] **Int.Cl. H04W 36/08 (2009.01) H04W 36/38 (2009.01) H04W 76/19 (2018.01) H04W 72/231 (2023.01)**
[25] EN
[54] **CELL SWITCHING**
[54] **COMMUTATION DE CELLULES**
[72] KIM, TAEHUN, US
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL HEJAZI, US
[72] XU, JIAN, US
[72] PARK, KYUNGMIN, US
[72] LATHEEF, FASIL ABDUL, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-02
[41] 2024-05-02
[30] US (63/421,978) 2022-11-02

[21] **3,218,774**
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[51] **Int.Cl. A47B 63/06 (2006.01) G06Q 10/08 (2023.01)**
[25] EN
[54] **VERTICAL ASSET MANAGEMENT DEVICE**
[54] **DISPOSITIF DE GESTION DE BIENS VERTICAL**
[72] JIN, YONG SUK, CA
[72] DUTKIEWICZ, KRIS, CA
[72] JAFFER, SHAMIRA, CA
[71] SIGNIFI SOLUTIONS INC., CA
[22] 2023-11-02
[41] 2024-05-03
[30] US (63/382150) 2022-11-03

[21] **3,218,775**
[13] A1
[51] **Int.Cl. A47C 27/10 (2006.01) A61B 5/02 (2006.01) A61H 9/00 (2006.01)**
[25] EN
[54] **A MATTRESS WITH INTEGRATED MASSAGE CAPABILITY**
[54] **MATELAS A FONCTION DE MASSAGE INTEGREE**
[72] WERNER, MARC LOUIS, US
[71] WERNER MEDIA PARTNERS, LLC, US
[22] 2023-11-03
[41] 2024-05-04
[30] US (17/980,984) 2022-11-04

[21] **3,218,790**
[13] A1
[51] **Int.Cl. G07C 9/25 (2020.01) G06V 20/50 (2022.01) G06V 40/16 (2022.01) E04H 1/12 (2006.01)**
[25] EN
[54] **USER ACCOUNTABILITY RESTROOM**
[54] **TOILETTES A RESPONSABILISATION DES UTILISATEURS**
[72] SLAGEL, ROBERT RHETT, US
[71] DROPBOX, INC., US
[22] 2023-11-03
[41] 2024-05-04
[30] US (63/382,367) 2022-11-04

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[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01) H01R 12/73 (2011.01)**
[25] EN
[54] **STIFFENER FOR USE WITH PLUG-IN MODULE**
[54] **RAIDISSEUR A UTILISER AVEC UN MODULE ENFICHABLE**
[72] ANNIS, KYLE GARY, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
[22] 2023-11-01
[41] 2024-05-02
[30] US (18/051986) 2022-11-02

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[51] **Int.Cl. B60P 1/46 (2006.01) B60P 3/40 (2006.01) B60P 7/06 (2006.01) B60P 7/135 (2006.01) B65G 67/00 (2006.01)**
[25] EN
[54] **A STOWABLE RACK SYSTEM FOR TRANSPORTING VARIOUS PAYLOADS**
[54] **SYSTEME DE RATELIER ESCAMOTABLE POUR LE TRANSPORT DE DIVERSES CHARGES UTILES**
[72] ENGLISH, JAMES DAVID, CA
[71] ENGLISH LOGISTICS INC., CA
[22] 2023-11-03
[41] 2024-05-03
[30] US (63/422,220) 2022-11-03

[21] **3,218,857**
[13] A1
[51] **Int.Cl. C05G 5/30 (2020.01) C05G 3/90 (2020.01) B01F 27/114 (2022.01) B01F 27/724 (2022.01) B01F 35/71 (2022.01) B01F 35/91 (2022.01) B01F 35/92 (2022.01) C05G 3/00 (2020.01)**
[25] EN
[54] **HEATED AUGER ASSEMBLY AND METHOD OF USE**
[54] **ASSEMBLAGE DE TARIERE CHAUFFEE ET METHODE D'UTILISATION**
[72] MENGEU, BRIAN, US
[72] EDWARDS, TRAVIS, US
[72] PERZANOWSKI, DAVID, US
[72] YOUNG, LESTER WILLIAM, US
[72] PELLEY, LOGAN, US
[72] MANGAN, MARK, US
[71] TURF CARE SUPPLY, LLC, US
[22] 2023-11-03
[41] 2024-05-03
[30] US (63/422,211) 2022-11-03

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[51] **Int.Cl. B60P 3/32 (2006.01) B62D 25/02 (2006.01) B62D 25/20 (2006.01)**
[25] EN
[54] **MODULAR SYSTEM AND METHOD FOR PRODUCING MOBILE WORKSTATIONS**
[54] **SYSTEME MODULAIRE ET METHODE DE PRODUCTION DE POSTES DE TRAVAIL MOBILES**
[72] JONES, BRYN, CA
[71] AVAN MOBILITY INC., CA
[22] 2023-11-03
[41] 2024-05-04
[30] US (63/422,630) 2022-11-04

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[51] **Int.Cl. H04W 72/25 (2023.01) H04W 72/04 (2023.01) H04W 74/08 (2024.01) H04W 72/40 (2023.01) H04W 72/56 (2023.01)**
[25] EN
[54] **CHANNEL ACCESS PRIORITY CLASS FOR MULTI-CONSECUTIVE SLOTS SIDELINK TRANSMISSIONS**
[54] **CLASSE DE PRIORITE D~ACCES DE CANAL POUR DES TRANSMISSIONS EN LIAISON LATERALE DE MULTIPLES FENTES CONSECUTIVES**
[72] RASTEGARDOOST, NAZANIN, US
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL HEJAZI, US
[72] HUI, BING, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-03
[41] 2024-05-03
[30] US (63/422,391) 2022-11-03

[21] **3,218,930**
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[51] **Int.Cl. H04W 72/23 (2023.01) H04W 72/04 (2023.01) H04B 7/0408 (2017.01) H04W 72/232 (2023.01) H04W 72/50 (2023.01)**
[25] EN
[54] **BEAM MANAGEMENT IN MULTIPLE TRANSMISSION AND RECEPTION POINTS**
[54] **GESTION DE FAISCEAU DE MULTIPLES POINTS DE TRANSMISSION ET DE RECEPTION**
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-03
[41] 2024-05-04
[30] US (63/422,750) 2022-11-04

[21] **3,218,949**
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[51] **Int.Cl. B41F 16/02 (2006.01) B41F 17/38 (2006.01) B41M 5/26 (2006.01)**
[25] EN
[54] **COMPUTER PROJECTOR SYSTEM AND METHOD FOR CUSTOM LABELLING APPAREL**
[54] **SYSTEME DE PROJECTEUR INFORMATIQUE ET METHODE D~ETIQUETAGE PERSONNALISE DE VETEMENTS**
[72] CRYSTAL, ADAM, CA
[72] CARKNER, KEVIN, CA
[71] SILVER CRYSTAL GROUP, CA
[22] 2023-11-03
[41] 2024-05-04
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[51] **Int.Cl. C08L 101/00 (2006.01) C08K 3/013 (2018.01) C08J 3/20 (2006.01) C08K 3/26 (2006.01) C08L 7/00 (2006.01) C08L 9/02 (2006.01) C08L 9/06 (2006.01) C08L 23/16 (2006.01) E04F 15/16 (2006.01)**
[25] EN
[54] **ECO-SUSTAINABLE COVERING MATERIAL FOR FLOORINGS**
[54] **MATERIAU DE COUVERTURE ECOLOGIQUEMENT DURABLE POUR LES REVETEMENTS DE SOL**
[72] NEDI, IRMA, IT
[72] MARENGHI, ANDREA, IT
[72] STROPPIANA, MAURIZIO, IT
[71] MONDO S.P.A., IT
[22] 2023-11-01
[41] 2024-05-04
[30] IT (102022000022722) 2022-11-04

[21] **3,219,069**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR COMMUNICATIONS MANAGEMENT**
[54] **METHODES ET SYSTEMES DE GESTION DES COMMUNICATIONS**
[72] PILLAI, RAMASAMY THALAVAY, IN
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-03
[41] 2024-05-04
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[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 10/08 (2023.01) G06Q 50/04 (2012.01) H04L 67/60 (2022.01) H04L 69/06 (2022.01) G05B 19/418 (2006.01) G05D 1/225 (2024.01) G05D 1/648 (2024.01)**
[25] EN
[54] **INTERFACE INTEGRATION METHOD OF INTEGRATING AGV JOB SCHEDULING SYSTEM AND WMS BASED ON DATA TELEGRAM COMMUNICATION**
[54] **METHODE D~INTEGRATION D~INTERFACE POUR INTEGRER UN SYSTEME DE PLANIFICATION DES TACHES DE VEHICULE GUIDE AUTOMATIQUE ET COMMUNICATION AU SYSTEME DE GESTION D~ENTREPOT EN FONCTION DE LA COMMUNICATION DE TELEGRAMME DE DONNEES**
[72] ZHANG, SHENG, CN
[72] QU, HAOYUAN, CN
[72] ZHAO, PENG, CN
[72] XU, BIN, CN
[71] MACHINERY TECHNOLOGY DEVELOPMENT CO., LTD., CN
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[41] 2024-04-30
[30] CN (202310161664.5) 2023-02-24

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[51] **Int.Cl. H04R 3/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVING SUBJECTIVE SOUND RENDERING**
[54] **METHODE ET SYSTEME POUR AMELIORER LE RENDU SONORE SUBJECTIF**
[72] DESMET, LAURENT, CA
[72] AYOTTE, MAXIME, CA
[72] GIGUERE, MARC-ANDRE, CA
[71] CAE INC., CA
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Demandes PCT entrant en phase nationale

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[25] EN
[54] **CHAMELEON SOLE STATION FOOTWEAR APPARATUS**
[54] **APPAREIL DE CHAUSSURE A TALON A SEMELLE CAMELEON**
[72] GOMEZ, ABDUL LUKE, US
[71] GOMEZ, ABDUL LUKE, US
[85] 2022-12-08
[86] 2022-11-01 (PCT/US2022/048528)
[87] (3182073)
[30] US (17/529.024) 2021-11-17

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[51] **Int.Cl. C22B 3/44 (2006.01) C22B 1/02 (2006.01) C22B 3/22 (2006.01) C22B 13/06 (2006.01) C25C 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING CHLORINE IN ZINC HYDROMETALLURGY**
[54] **METHODE D'ELIMINATION DU CHLORE DANS L'HYDROMETALLURGIE DU ZINC**
[72] KIM, MIN CHEOL, KR
[72] CHOI, HEON SIK, KR
[71] KOREA ZINC CO., LTD., KR
[85] 2023-09-12
[86] 2023-04-25 (PCT/KR2023/005611)
[87] (3211942)
[30] KR (10-2022-0145379) 2022-11-03

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[13] A1
[51] **Int.Cl. C07C 67/08 (2006.01)**
[25] EN
[54] **PROCESS OF PRODUCING HIGHLY PURE ALKYL ACETATES**
[54] **PROCEDE DE PRODUCTION D'ACETATES D'ALKYLE TRES PURS**
[72] KARIMI ALAGHEHBAND, SEPEHR, IR
[71] KARIMI ALAGHEHBAND, SEPEHR, IR
[85] 2023-12-19
[86] 2022-11-02 (PCT/IB2022/060560)
[87] (3223464)

[21] **3,224,100**
[13] A1
[51] **Int.Cl. B65H 35/00 (2006.01) B25J 9/16 (2006.01) B65H 35/06 (2006.01)**
[25] EN
[54] **TAPE MATERIAL APPLICATOR AND COMPUTER PROGRAM**
[54] **APPLICATEUR DE MATERIAU EN RUBAN ET PROGRAMME INFORMATIQUE**
[72] ITO, HIROMOTO, JP
[72] TAKEUCHI, MINORU, JP
[72] TANAKA, YUSUKE, JP
[71] TECHNO OLYMPUS CO. LTD., JP
[85] 2023-12-22
[86] 2022-10-28 (PCT/JP2022/040512)
[87] (3224100)

[21] **3,232,714**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR COVERAGE ENHANCEMENT IN NON TERRESTRIAL NETWORK**
[54] **SYSTEMES ET METHODES POUR L~AMELIORATION DE LA COUVERTURE DANS UN RESEAU NON TERRESTRE**
[72] CUI, FANGYU, CN
[72] ZHANG, NAN, CN
[72] CAO, WEI, CN
[72] LI, JUNLI, CN
[71] ZTE CORPORATION, CN
[85] 2024-03-20
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[87] (3232714)

[21] **3,235,170**
[13] A1
[51] **Int.Cl. B65D 17/28 (2006.01) B65D 17/34 (2006.01) B65D 43/04 (2006.01)**
[25] EN
[54] **CAN END**
[54] **EXTREMITE DE CANETTE**
[72] PIECH, GREGOR ANTON, AT
[71] TOP CAP HOLDING GMBH, AT
[85] 2024-04-12
[86] 2023-10-31 (PCT/EP2023/080332)
[87] (3235170)
[30] DE (102022129193.6) 2022-11-04

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[13] A1
[51] **Int.Cl. C08F 6/28 (2006.01)**
[25] EN
[54] **DEVOLATILIZATION OF ETHYLENE/.ALPHA.-OLEFIN COPOLYMER PELLETS**
[54] **DEVOLATILISATION DE PASTILLES DE COPOLYMERE D'ETHYLENE/.ALPHA.-OLEFINE**
[72] NOORJAHAN, ABOLFAZL, CA
[72] SADEGHI, SOHEIL, CA
[72] PIRES FORTES FERREIRA, MARCIA, CA
[72] RAHIMI, MEHRNAZ, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[51] **Int.Cl. F16L 37/34 (2006.01) F16L 37/35 (2006.01) F16L 37/36 (2006.01) F16L 59/065 (2006.01) F16L 59/14 (2006.01)**
[25] FR
[54] **COUPLING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ACCOUPLEMENT**
[72] COLEIRO, GAETAN, FR
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2024-04-25
[86] 2022-10-07 (PCT/EP2022/077911)
[87] (WO2023/083533)
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[51] **Int.Cl. C07H 15/203 (2006.01) C07D 453/04 (2006.01) C07H 1/00 (2006.01)**
[25] EN
[54] **NOVEL OLIGOSACCHARIDE, MANUFACTURING INTERMEDIATE FOR NOVEL OLIGOSACCHARIDE, AND METHOD FOR MANUFACTURING THESE**
[54] **NOUVEL OLIGOSACCHARIDE, INTERMEDIAIRE DE FABRICATION D'UN NOUVEL OLIGOSACCHARIDE ET PROCEDE DE FABRICATION DE CES DERNIERS**
[72] UEDA, TSUYOSHI, JP
[72] ITOH, RYUSEI, JP
[72] NAKAMURA, TATSUYA, JP
[72] SUZUKI, KEISUKE, JP
[72] NAKANE, SATOSHI, JP
[72] YANG, ZEKUN, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2024-04-25
[86] 2022-10-28 (PCT/JP2022/040346)
[87] (WO2023/074843)
[30] JP (2021-178383) 2021-10-29
[30] JP (2022-005353) 2022-01-17

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[13] A1
[51] **Int.Cl. C01C 1/04 (2006.01)**
[25] EN
[54] **AMMONIA SYNTHESIS PLANT AND METHOD**
[54] **INSTALLATION ET METHODE DE SYNTHESE D'AMMONIAC**
[72] CANGIOLI, FRANCESCO, IT
[72] GRIMALDI, ANGELO, IT
[72] PELLEGRINI, TIZIANO, IT
[72] MEAZZINI, GIULIA, IT
[72] GUGLIELMO, ALBERTO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
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[87] (WO2023/078583)
[30] IT (102021000028049) 2021-11-04

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[13] A1
[51] **Int.Cl. A61K 36/062 (2006.01) A61K 36/899 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING RED YEAST RICE**
[54] **COMPOSITIONS COMPRENANT DE LA LEVURE ROUGE DE RIZ**
[72] GELFI, ELENA, IT
[72] MOSCONI, MANUEL, IT
[72] ZANARDI, ANDREA, IT
[71] MEDA PHARMA S.P.A., IT
[85] 2024-04-25
[86] 2022-10-31 (PCT/EP2022/080337)
[87] (WO2023/073226)
[30] GB (2115617.9) 2021-10-29

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **RNA-EDITING COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'EDITION D'ARN ET METHODES D'UTILISATION**
[72] SAVVA, YIANNIS, US
[72] DEAN, JASON THADDEUS, US
[72] BOOTH, BRIAN JOHN, US
[72] SULLIVAN, RICHARD THOMAS, US
[72] BRIGGS, ADRIAN WRANGHAM, US
[72] BAGEPALLI, LINA RAJILI, US
[72] ROVIRA GONZALEZ, YAZMIN INES, US
[72] GUO, LAN, US
[71] SHAPE THERAPEUTICS INC., US
[85] 2024-04-25
[86] 2022-10-26 (PCT/US2022/078740)
[87] (WO2023/076967)
[30] US (63/271,889) 2021-10-26
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[30] US (63/284,737) 2021-12-01
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[30] US (63/303,659) 2022-01-27
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[13] A1
[51] **Int.Cl. E02F 9/02 (2006.01) G06Q 10/20 (2023.01) E02F 9/20 (2006.01) E02F 9/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UNDERCARRIAGE WEAR PREDICTION**
[54] **SYSTEMES ET PROCEDES DE PREDICTION D'USURE DE TRAIN DE ROULEMENT**
[72] MHADBI, NABIL, US
[72] YALAMANCHILI, VIJAY K., US
[72] EGAWA, KO, JP
[72] SUMIYOSHI, TETSUYA, JP
[72] NAITO, TAKAYUKI, JP
[71] CATERPILLAR INC., US
[85] 2024-04-25
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[30] US (17/519,477) 2021-11-04

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[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01) H04L 69/14 (2022.01)**
[25] EN
[54] **DATA COMMUNICATION IN A MOCA ACCESS NETWORK**
[54] **COMMUNICATION DE DONNEES DANS UN RESEAU D'ACCES MOCA**
[72] SVENSSON, THOMAS, SE
[72] TIAINEN, HELGE, SE
[72] HULDBERG, JOHAN, SE
[71] INCOAX NETWORKS AB, SE
[85] 2024-04-25
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[30] EP (21212438.2) 2021-12-06

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[13] A1
[51] **Int.Cl. B60L 50/75 (2019.01) B60L 58/40 (2019.01)**
[25] EN
[54] **EXTENDED RANGE OF FUEL CELL MACHINE**
[54] **GAMME ETENDUE DE MACHINE A PILE A COMBUSTIBLE**
[72] LANE, CAMERON THOMAS, US
[71] CATERPILLAR GLOBAL MINING EQUIPMENT LLC, US
[85] 2024-04-25
[86] 2022-11-01 (PCT/US2022/048502)
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[30] US (17/519,338) 2021-11-04

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[13] A1
[51] **Int.Cl. A24F 40/465 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL**
[72] MOLLISON-BALL, LOIS, GB
[72] BURGESS, JONATHAN NEIL, GB
[72] THOMAS, MICHAEL, GB
[72] ENGLAND, WILL, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2024-04-25
[86] 2022-10-18 (PCT/EP2022/078983)
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[30] GB (2115370.5) 2021-10-26

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[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **CCR6 RECEPTOR MODULATORS**
[54] **MODULATEURS DU RECEPTEUR CCR6**
[72] ALLEMANN, OLIVER, CH
[72] HUBLER, FRANCIS, CH
[72] MEYER, EMMANUEL, CH
[71] IDORSIA PHARMACEUTICALS LTD, CH
[85] 2024-04-25
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[30] EP (PCT/EP2021/080016) 2021-10-28

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[13] A1
[51] **Int.Cl. A24F 40/57 (2020.01)**
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[54] **AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL**
[72] MOLLISON-BALL, LOIS, GB
[72] BURGESS, JONATHAN NEIL, GB
[72] THOMAS, MICHAEL, GB
[72] ENGLAND, WILL, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
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[30] GB (2115369.7) 2021-10-26

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/267 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **AN OROPHARYNGEAL GLOVE FOR USE WITH RIGID AND FLEXIBLE BRONCHOSCOPES, AND METHODS**
[54] **GANT OROPHARYNGE DESTINE A ETRE UTILISE AVEC DES BRONCHOSCOPES RIGIDES ET FLEXIBLES, ET PROCEDES**
[72] MATUS, ISMAEL, US
[71] SKILLHEAD LLC, US
[85] 2024-04-25
[86] 2022-10-18 (PCT/US2022/078304)
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[13] A1
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[54] **AIRBORNE RECOVERY OF UNMANNED AERIAL VEHICLES**
[54] **RECUPERATION AERIENNE D'ENGINS VOLANTS SANS PILOTE EMBARQUE**
[72] ALLWEIN, MICHAEL, US
[72] KOLLER, KEVIN, US
[72] BYLARD, RYAN, US
[72] HULTENIUS, ROY, US
[71] GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC., US
[85] 2024-04-25
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[54] **AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL**
[72] MOLLISON-BALL, LOIS, GB
[72] BURGESS, JONATHAN NEIL, GB
[72] THOMAS, MICHAEL, GB
[72] ENGLAND, WILL, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-04-25
[86] 2022-10-18 (PCT/EP2022/078988)
[87] (WO2023/072683)
[30] GB (2115367.1) 2021-10-26

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[25] EN
[54] **AIRBORNE RECOVERY OF UNMANNED AERIAL VEHICLES**
[54] **RECUPERATION AERIENNE D'ENGINS VOLANTS SANS PILOTE EMBARQUE**
[72] ALLWEIN, MICHAEL, US
[72] GROVES, JAMES WILLIAM, US
[72] KOLLER, KEVIN, US
[72] BYLARD, RYAN, US
[72] HULTENIUS, ROY, US
[71] GENERAL ATOMICS AERONAUTICAL SYSTEMS, INC., US
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[54] **ANCHOR MECHANISM**
[54] **MECANISME D'ANCRAGE**
[72] MARTIN, SHANNON, US
[71] VERTICE OIL TOOLS INC., US
[85] 2024-04-25
[86] 2022-11-23 (PCT/EP2022/083039)
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[30] US (17/456,261) 2021-11-23
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[25] EN
[54] **A RECOMBINANT CONSTRUCT FOR SCREENING DRUGS AGAINST SARS-COV-2 SPIKE PROTEIN**
[54] **CONSTRUCTION RECOMBINEE POUR LE CRIBLAGE DE MEDICAMENTS CONTRE LA PROTEINE DE SPICULE DU SARS-COV-2**
[72] RAY, UPASANA, IN
[72] TRIPATHI, PREM PRAKASH, IN
[72] BEGUM, FEROZA, IN
[72] SRIVASTAVA, AMIT KUMAR, IN
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
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[25] EN
[54] **NOVEL NAV1.7 MONOCLONAL ANTIBODY**
[54] **NOUVEL ANTICORPS MONOCLONAL NAV1.7**
[72] YOSHIKAWA, MAI, JP
[72] ONODA, JUNJI, JP
[72] NAKAMORI, DAIKI, JP
[72] TAKAHASHI, TATSUYA, JP
[72] KASAI, ERIKA, JP
[71] SHIONOGI & CO., LTD., JP
[85] 2024-04-25
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[87] (WO2023/074888)
[30] JP (2021-178982) 2021-11-01
[30] JP (2022-005967) 2022-01-18

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[25] EN
[54] **VALVE SEAL AND VALVE INCLUDING SAME**
[54] **JOINT DE SOUPAPE ET SOUPAPE COMPRENANT CELUI-CI**
[72] MARTZ, KEVIN ROBERT, US
[72] MCBROOM, JAMES P., US
[71] CLAYTON CORPORATION, US
[85] 2024-04-25
[86] 2022-10-27 (PCT/US2022/048015)
[87] (WO2023/076471)
[30] US (63/272,758) 2021-10-28

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[51] **Int.Cl. B27N 1/02 (2006.01) C08L 91/00 (2006.01) C08L 97/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR PRODUCING BIO-BASED CYCLIC ANHYDRIDE MONOESTER WOOD ADHESIVES BY USING BIO-BASED POWDER RAW MATERIALS**
[54] **PROCEDE DE PRODUCTION D'UN ADHESIF DE BOIS MONOESTER D'ANHYDRIDE CYCLIQUE D'ORIGINE BIOLOGIQUE A L'AIDE D'UNE MATIERE PREMIERE EN POUDRE D'ORIGINE BIOLOGIQUE**
[72] YUAN, ZHONGSHUN, CA
[72] XU, CHUNBAO, CA
[72] ZHOU, XIA, CN
[72] DENNISE, JOHANNA SOSA CARRERO, CA
[72] WU, WEI, CA
[72] WEI, QIANG, CA
[71] WESTERN MAPLE BIO RESOURCES INC., CA
[85] 2024-04-25
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[25] EN
[54] **PROCESS AND THERAPEUTIC COMPOSITION FOR TREATING AND PREVENTING SEVERE INJECTION SITE REACTIONS**
[54] **PROCEDE ET COMPOSITION THERAPEUTIQUE POUR LE TRAITEMENT ET LA PREVENTION DE REACTIONS GRAVES AU NIVEAU D'UN UN SITE D'INJECTION**
[72] HONG, ZHI, US
[72] MA, JI, US
[72] MARGOLIS, DAVID, US
[72] XU, LIANHONG, US
[72] YAN, LI, US
[71] BRII BIOSCIENCES, INC., US
[85] 2024-04-25
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[54] **CHIMERIC ADAPTOR POLYPEPTIDES**
[54] **POLYPEPTIDES ADAPTATEURS CHIMERIQUES**
[72] AFTAB, BLAKE T., US
[72] HERRMAN, MARISSA, US
[72] ROMERO, JASON, US
[72] SATPAYEV, DAULET, US
[72] ABBOT, STEWART, US
[72] BHAT, ARUN, US
[72] WONG, JONATHAN, US
[71] ADICET THERAPEUTICS, INC., US
[85] 2024-04-25
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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/02 (2006.01) A61B 5/1455 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **QUANTIFYING BLOOD LOSS BY RECIRCULATING WASTE FLUID WITH A MEDICAL WASTE COLLECTION SYSTEM**
[54] **QUANTIFICATION DE LA PERTE DE SANG PAR RECIRCULATION DE DECHETS LIQUIDES AVEC UN SYSTEME DE COLLECTE DE DECHETS MEDICAUX**
[72] FAUL, STEPHEN, IE
[72] NUNAN, GERARD W., IE
[72] ZOLLINGER, MICHAEL, US
[72] MACLACHLAN, BRIAN, US
[72] VANDERWOUDE, BRIAN JAMES, US
[72] NORLAND, LEIF, US
[72] CARROLL, JAMES T., IE
[71] STRYKER CORPORATION, US
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[51] **Int.Cl. B01J 8/00 (2006.01) B01J 35/00 (2024.01)**
[25] EN
[54] **DENSE LOADING SYSTEM WITH WAVE LOADER**
[54] **SYSTEME DE CHARGEMENT DENSE A CHARGEUR D'ONDES**
[72] ZAHIROVIC, EMIR, US
[72] ROGATO, MARC ANGELO, US
[72] VISSCHER, RICHARD, US
[71] CATMASTERS, LLC, US
[85] 2024-04-25
[86] 2022-10-25 (PCT/US2022/047762)
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[51] **Int.Cl. B64C 13/22 (2006.01) B64C 13/50 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL DRIVE SYSTEM FOR AN AIRCRAFT**
[54] **SYSTEME D'ENTRAINEMENT ELECTROMECANIQUE POUR AERONEF**
[72] ROSATA, PIETRO, IT
[72] ROSSANO, MARIO, IT
[72] LIGNAROLO, VITTORIO, IT
[71] MECAER AVIATION GROUP S.P.A., IT
[85] 2024-04-26
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[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/126 (2006.01) E21B 43/10 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INCREASING FORCE ON DOWNHOLE TOOL**
[54] **SYSTEME ET PROCEDE SERVANT A AUGMENTER LA FORCE SUR UN OUTIL DE FOND**
[72] BORSCHNECK, SEAN GRAY, CA
[72] MCCARTHY, MATTHEW CARROLL, CA
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-04-24
[86] 2022-10-25 (PCT/US2022/047679)
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[51] **Int.Cl. A61M 5/28 (2006.01) A61M 5/315 (2006.01) B65B 7/28 (2006.01) B65B 31/02 (2006.01)**
[25] EN
[54] **STOPPER PLACEMENT IN A SYRINGE**
[54] **PLACEMENT DE BOUCHON DANS UNE SERINGUE**
[72] FALLAHIANBIJAN, FATEMEH, US
[72] ABBAS, SHERMEEN A., US
[72] JU, ALBERT, US
[72] GONZALES, OSCAR, US
[72] PADMAKUMAR, VIKASHNI, US
[72] BROWN, JEFFREY A., US
[72] MISMAR, WAEL, US
[71] AMGEN INC., US
[85] 2024-04-24
[86] 2022-12-02 (PCT/US2022/051598)
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[51] **Int.Cl. A61L 2/20 (2006.01) A61L 9/02 (2006.01)**
[25] EN
[54] **METHODS FOR DESIGNING AND PERFORMING A VAPOR PHASE HYDROGEN PEROXIDE DECONTAMINATION CYCLE**
[54] **PROCEDES DE CONCEPTION ET D'EXECUTION D'UN CYCLE DE DECONTAMINATION DE PEROXYDE D'HYDROGENE EN PHASE VAPEUR**
[72] KRUCHOWY, EVAN, US
[72] PADALA, SAI CHAKRADHAR, US
[72] MARSIGLIO, DANIEL, US
[71] AMGEN INC., US
[85] 2024-04-24
[86] 2022-12-12 (PCT/US2022/052507)
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[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/54 (2006.01)**
[25] EN
[54] **ACID BASED CORROSION INHIBITOR COMPOSITIONS AND METHODS**
[54] **PROCEDES ET COMPOSITIONS D'INHIBITEUR DE CORROSION A BASE D'ACIDE**
[72] MOLONEY, JEREMY, US
[71] CHAMPIONX LLC, US
[85] 2024-04-24
[86] 2022-10-26 (PCT/US2022/047918)
[87] (WO2023/076413)
[30] US (63/272,443) 2021-10-27

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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES FOR MODIFYING ORGANISMS**
[54] **POLYNUCLEOTIDES POUR MODIFIER DES ORGANISMES**
[72] KHAKHAR, ARJUN DEVANG, US
[72] MARTIN, BARRY ANDREW, US
[72] NIU, YAJIE, US
[72] SPRAGUE, DANIEL ALEXANDER, US
[72] CHU, FU CHYUN, US
[72] DENNIS, ELIZABETH JANE ANTONELLI, US
[72] HALAC, MEHMET ALI, US
[72] HAO, YUMENG, US
[72] KLICKI, KEVIN, US
[72] KREMER, JAMES MICHAEL, US
[72] KUMAR, JAYASHREE, US
[72] LIN, CHIEN-YUAN, US
[72] PANT, SHANKAR RAJ, US
[72] ROTHENHEBER, DEREK THOMAS, US
[72] SHARPE, MICHKA GABRIELLE, US
[72] SINGH, ADITYA SUSHIL KUMAR, US
[71] FLAGSHIP PIONEERING INNOVATIONS VII, LLC, US
[85] 2024-04-24
[86] 2022-10-31 (PCT/US2022/078963)
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[30] US (63/274,156) 2021-11-01
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[51] **Int.Cl. C07K 16/30 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODIES AGAINST CARCINOEMBRYONIC ANTIGENS, AND THEIR USES**
[54] **ANTICORPS MONOCLONAUX CONTRE DES ANTIGENES CARCINOEMBRYONNAIRES ET LEURS UTILISATIONS**
[72] ALPER, OZGE, US
[71] AMERICAN DIAGNOSTICS & THERAPY, LLC (ADXRX), US
[85] 2024-04-24
[86] 2022-11-04 (PCT/US2022/079296)
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[30] US (63/275,998) 2021-11-05
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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/28 (2006.01)**
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[54] **PERITONEAL DIALYSIS CYCLER HAVING DISINFECTION**
[54] **CYCLEUR DE DIALYSE PERITONEALE A DESINFECTION**
[72] JANSSON, OLOF, SE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-04-24
[86] 2022-11-07 (PCT/US2022/079376)
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[51] **Int.Cl. A61M 1/28 (2006.01) B01D 63/08 (2006.01)**
[25] EN
[54] **PERITONEAL DIALYSIS SYSTEM HAVING A PATIENT LINE FILTER**
[54] **SYSTEME DE DIALYSE PERITONEALE AYANT UN FILTRE EN LIGNE DE PATIENT**
[72] WAGNER, STEFFEN, US
[72] FLIEG, RALF, US
[72] BUCK, REINHOLD, US
[72] BECK, CHRISTOF, US
[72] BLICKLE, RAINER, US
[72] KRAUSE, BERND, US
[72] KNOER, TORSTEN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-04-24
[86] 2022-11-18 (PCT/US2022/080157)
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[30] US (63/290,855) 2021-12-17

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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/28 (2006.01)**
[25] EN
[54] **PERITONEAL DIALYSIS SYSTEM WITH A MODULAR FLAT SHEET MEMBRANE FILTER**
[54] **SYSTEME DE DIALYSE PERITONEALE AVEC FILTRE A MEMBRANE A PLAQUE PLATE MODULAIRE**
[72] KUHN, PHILIPP, US
[72] FLIEG, RALF, US
[72] BLICKLE, RAINER, US
[72] WAGNER, STEFFEN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
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[86] 2022-11-21 (PCT/US2022/080247)
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[30] US (63/291,073) 2021-12-17

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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/28 (2006.01) B01D 63/08 (2006.01)**
[25] EN
[54] **PERITONEAL DIALYSIS SYSTEM HAVING A PATIENT LINE FILTER**
[54] **SYSTEME DE DIALYSE PERITONEALE AVEC FILTRE DE LIGNE DE PATIENT**
[72] WAGNER, STEFFEN, US
[72] FLIEG, RALF, US
[72] KUHN, PHILIPP, US
[72] BECK, CHRISTOF, US
[72] BLICKLE, RAINER, US
[72] KRAUSE, BERND, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-04-24
[86] 2022-11-21 (PCT/US2022/080250)
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[30] US (63/291,043) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 31/475 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **SMALL MOLECULE DEGRADATION METHODS FOR TREATING ALS/FTD**
[54] **PROCEDES DE DEGRADATION DE PETITES MOLECULES POUR TRAITER D'ALS/FTD**
[72] DISNEY, MATTHEW D., US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2024-04-11
[86] 2022-10-27 (PCT/US2022/078830)
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[30] US (63/272,526) 2021-10-27

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[51] **Int.Cl. A61J 1/10 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **MULTI-CHAMBER BAG FOR PARENTERAL NUTRITION SOLUTIONS**
[54] **POCHE A CHAMBRES MULTIPLES POUR SOLUTIONS DE NUTRITION PARENTERALE**
[72] DESBROSSES, FREDDY, BE
[72] PADULA, PIERPAOLO, BE
[72] BEZIN, JEAN-CLAUDE, BE
[72] DEMULIER, MARIN, BE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-04-24
[86] 2022-12-06 (PCT/US2022/081018)
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[30] US (17/543,924) 2021-12-07

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[51] **Int.Cl. A61K 31/506 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING ABNORMAL CELL GROWTH**
[54] **METHODES DE TRAITEMENT DE CROISSANCE CELLULAIRE ANORMALE**
[72] STUGLIK, BRIAN M., US
[72] KOUSTENIS, ANDREW, US
[72] PACHTER, JONATHAN A., US
[72] COMA, SILVIA, US
[71] VERASTEM, INC., US
[85] 2024-04-23
[86] 2022-11-02 (PCT/US2022/079109)
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[30] US (63/274,745) 2021-11-02

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[51] **Int.Cl. E21B 23/06 (2006.01) E21B 23/04 (2006.01) E21B 29/10 (2006.01) E21B 33/12 (2006.01) E21B 33/134 (2006.01) E21B 43/116 (2006.01)**
[25] EN
[54] **BALLISTICALLY ACTUATED WELLBORE TOOL**
[54] **OUTIL DE PUITS DE FORAGE A ACTIONNEMENT BALISTIQUE**
[72] EITSCHBERGER, CHRISTIAN, DE
[72] SCHARF, THILO, IE
[72] BURMEISTER, GERNOT UWE, US
[71] DYNAENERGETICS EUROPE GMBH, DE
[85] 2024-04-24
[86] 2022-10-10 (PCT/EP2022/078043)
[87] (WO2023/072561)
[30] US (63/271,466) 2021-10-25
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[51] **Int.Cl. E04G 5/12 (2006.01) E04G 7/26 (2006.01) E04G 7/32 (2006.01)**
[25] EN
[54] **CARRIER RAIL FOR A CLADDING SYSTEM FOR HOUSING SCAFFOLDING, CLADDING SYSTEM, SCAFFOLD AND METHOD FOR HOUSING A SCAFFOLD**
[54] **RAIL DE SUPPORT CONCU POUR UN SYSTEME D'HABILLAGE DESTINE A ENTOURER DES ECHAFAUDAGES, SYSTEME D'HABILLAGE, ECHAFAUDAGE ET PROCEDE POUR ENTOURER UN ECHAFAUDAGE**
[72] WINTER, FRANZ, DE
[71] PERI SE, DE
[85] 2024-04-24
[86] 2022-10-21 (PCT/EP2022/079424)
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[30] DE (10 2021 212 078.4) 2021-10-26

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[51] **Int.Cl. G01N 33/543 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/575 (2006.01) C07K 14/72 (2006.01)**
[25] EN
[54] **GASTRIC INHIBITORY PEPTIDE RECEPTOR LIGANDS**
[54] **LIGANDS DE RECEPTEUR DU PEPTIDE INHIBITEUR GASTRIQUE**
[72] HAASE, CHRISTIAN, DE
[72] SCHUMANN, ANNE, DE
[72] SCHNEIDER, EBERHARD, DE
[72] OSTERKAMP, FRANK, DE
[72] HOHNE, AILEEN, DE
[72] REINEKE, ULRICH, DE
[72] PASCHKE, MATTHIAS, DE
[72] SMERLING, CHRISTIANE, DE
[72] UNGEWISS, JAN, DE
[72] ZBORALSKI, DIRK, DE
[71] 3B PHARMACEUTICALS GMBH, DE
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[51] **Int.Cl. C07D 495/22 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01) C07D 513/22 (2006.01)**
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[54] **TRICYCLIC HETEROCYCLES**
[54] **HETEROCYCLES TRICYCLIQUES**
[72] HEINRICH, TIMO, DE
[72] SCHLESIGER, SARAH, DE
[72] GUNERA, JAKUB, DE
[72] PETERSSON, CARL, DE
[72] KOETZNER, LISA, DE
[72] CARSWELL, EMMA, GB
[72] UNZUE LOPEZ, ANDREA, DE
[71] MERCK PATENT GMBH, DE
[71] CANCER RESEARCH TECHNOLOGY LTD., GB
[85] 2024-04-24
[86] 2022-10-26 (PCT/EP2022/079848)
[87] (WO2023/072974)
[30] EP (21205456.3) 2021-10-29

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[51] **Int.Cl. A61F 2/28 (2006.01) A61B 17/80 (2006.01)**
[25] EN
[54] **CRANIOPLASTY PROSTHESIS AND COMPONENTS THEREFOR**
[54] **PROTHESE DE CRANIOPLASTIE ET COMPOSANTS ASSOCIES**
[72] LAPOINTE, SIMON, CA
[72] IORIO-MORIN, CHRISTIAN, CA
[72] TOUCHETTE, CHARLES, CA
[72] BERGERON, SERGE, CA
[71] SOCPRA SCIENCES ET GENIE S.E.C., CA
[85] 2024-04-24
[86] 2022-10-25 (PCT/CA2022/051571)
[87] (WO2023/070200)
[30] US (63/271,432) 2021-10-25

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[51] **Int.Cl. B01J 23/83 (2006.01)**
[25] EN
[54] **GRADING SYSTEM OF HYDROGENATION CATALYST AND APPLICATION THEREOF AND GRADING METHOD OF HYDROGENATION CATALYST**
[54] **SYSTEME DE GRADATION ET APPLICATION DE CATALYSEUR D'HYDROGENATION ET PROCEDE DE GRADATION D'UN CATALYSEUR D'HYDROGENATION**
[72] YANG, ZHANLIN, CN
[72] DING, SIJIA, CN
[72] LIU, YI, CN
[72] PENG, SHAOZHONG, CN
[72] WANG, HUIGANG, CN
[72] JIANG, HONG, CN
[72] WANG, JIFENG, CN
[72] WANG, FANGZHAO, CN
[72] WANG, PING, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS CO., LTD., CN
[85] 2024-04-24
[86] 2022-10-24 (PCT/CN2022/127053)
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[51] **Int.Cl. C22B 1/14 (2006.01) C22B 3/02 (2006.01)**
[25] EN
[54] **HEAPS FOR HEAP LEACHING**
[54] **TAS POUR LIXIVIATION EN TAS**
[72] FILMER, ANTHONY OWEN, AU
[72] BILEY, CHRISTOPHER ALAN, GB
[72] KEENEY, LUKE MARK, AU
[71] ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, GB
[71] ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, ZA
[85] 2024-04-24
[86] 2022-10-26 (PCT/IB2022/060267)
[87] (WO2023/073568)
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[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **MACHINE LEARNING-BASED USER SELECTION PREDICTION BASED ON SEQUENCE OF PRIOR USER SELECTIONS**
[54] **PREDICTION DE SELECTION UTILISATEUR BASEE SUR L'APPRENTISSAGE MACHINE, A PARTIR D'UNE SEQUENCE DE SELECTIONS UTILISATEUR ANTERIEURES**
[72] SHALABY, WALID, US
[72] MALLAPRAGADA, SRIVATSA, US
[72] XIE, YING, US
[72] CUI, XIQUAN, US
[72] AL JADDA, KHALIFEH, US
[71] HOME DEPOT INTERNATIONAL, INC., US
[85] 2024-04-26
[86] 2022-12-20 (PCT/US2022/053511)
[87] (WO2023/122092)
[30] US (63/291,793) 2021-12-20
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[13] A1
[51] **Int.Cl. B62B 7/08 (2006.01) B62B 7/06 (2006.01)**
[25] EN
[54] **FOLDABLE STROLLER**
[54] **POUSSETTE PLIANTE**
[72] DE HAAS, FORTUNATUS JOHANNES, NL
[71] HAAS KRAAN B.V., NL
[85] 2024-04-26
[86] 2022-11-02 (PCT/NL2022/050616)
[87] (WO2023/080780)
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[51] **Int.Cl. B01D 53/14 (2006.01) C01B 32/50 (2017.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01) C07C 31/04 (2006.01)**
[25] EN
[54] **CARBON DIOXIDE RECOVERY SYSTEM**
[54] **SYSTEME DE RECUPERATION DE DIOXYDE DE CARBONE**
[72] TACHIBANA, SHINYA, JP
[72] KATSUME, TADASHI, JP
[72] YOSHIDA, KAORI, JP
[72] YONEKAWA, TAKAHITO, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2024-04-24
[86] 2022-10-26 (PCT/JP2022/039817)
[87] (WO2023/085086)
[30] JP (2021-184701) 2021-11-12

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[51] **Int.Cl. B27N 3/02 (2006.01) B27N 3/18 (2006.01) B27N 1/02 (2006.01) B27N 3/10 (2006.01) B27N 3/20 (2006.01)**
[25] EN
[54] **MICROSTRAND INTERFACE LAYER FOR IMPROVED ENGINEERED WOOD PRODUCTS**
[54] **COUCHE D'INTERFACE DE MICRO-COPEAU POUR PRODUITS DERIVES DU BOIS D'INGENIERIE AMELIORES**
[72] MERRICK, GARETH PAUL, US
[72] ST. GERMAIN, BRIAN, US
[71] LOUISIANA-PACIFIC CORPORATION, US
[85] 2024-04-26
[86] 2022-11-08 (PCT/US2022/049291)
[87] (WO2023/081516)
[30] US (63/276,913) 2021-11-08

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[13] A1
[51] **Int.Cl. C12M 3/00 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **TRIPLY PERIODIC MINIMAL SURFACES FOR 3D PRINTED ORGANS AND TISSUES**
[54] **SURFACES MINIMALES PERIODIQUES TRICOUCHE POUR DES ORGANES ET DES TISSUS IMPRIMES EN 3D**
[72] HURST, GREG, US
[71] LUNG BIOTECHNOLOGY PBC, US
[85] 2024-04-26
[86] 2022-11-07 (PCT/US2022/049127)
[87] (WO2023/081462)
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[51] **Int.Cl. A47L 11/40 (2006.01)**
[25] EN
[54] **TORQUE ASSISTED SURFACE MAINTENANCE MACHINE**
[54] **MACHINE D'ENTRETIEN DE SURFACE ASSISTEE PAR COUPLE**
[72] PFINGSTEN, MARK, US
[72] VERHASSELT, ANDREW R., US
[72] LOTTS, MATTHEW, US
[71] TENNANT COMPANY, US
[85] 2024-04-26
[86] 2022-11-03 (PCT/US2022/048859)
[87] (WO2023/081302)
[30] US (63/275,400) 2021-11-03

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[13] A1
[51] **Int.Cl. C11D 1/14 (2006.01) C11D 1/22 (2006.01) C11D 1/37 (2006.01)**
[25] EN
[54] **LIQUID DETERGENT COMPOSITIONS**
[54] **COMPOSITIONS DETERGENTES LIQUIDES**
[72] STENGER, PATRICK CHRISTOPHER, US
[72] AULTMAN, ERIN JULIETTE, US
[72] LOUGHNANE, BRIAN JOSEPH, US
[72] BECKS, VINCENT JOHN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-04-26
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[87] (WO2023/102341)
[30] US (17/541,316) 2021-12-03

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[51] **Int.Cl. H04W 76/30 (2018.01) H04W 74/08 (2024.01) H04W 76/27 (2018.01)**
[25] EN
[54] **SCHEDULING REQUEST AND RANDOM ACCESS TRIGGERING FOR SDT**
[54] **DEMANDE DE PLANIFICATION ET DECLENCHEMENT D'ACCES ALEATOIRE POUR SDT**
[72] WU, CHUNLI, CN
[72] TURTINEN, SAMULI HEIKKI, FI
[72] KOSKINEN, JUSSI-PEKKA, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2024-04-26
[86] 2021-10-29 (PCT/CN2021/127514)
[87] (WO2023/070543)

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[13] A1
[51] **Int.Cl. C11D 1/14 (2006.01) C11D 1/22 (2006.01) C11D 1/37 (2006.01)**
[25] EN
[54] **LIQUID DETERGENT COMPOSITIONS**
[54] **COMPOSITIONS DETERGENTES LIQUIDES**
[72] STENGER, PATRICK CHRISTOPHER, US
[72] AULTMAN, ERIN JULIETTE, US
[72] LOUGHNANE, BRIAN JOSEPH, US
[72] BECKS, VINCENT JOHN, US
[72] VINSON, PHILLIP KYLE, US
[72] WANG, MU, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-04-26
[86] 2022-11-23 (PCT/US2022/080395)
[87] (WO2023/102339)
[30] US (17/541,312) 2021-12-03

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[13] A1
[51] **Int.Cl. C23C 28/00 (2006.01) C23C 22/36 (2006.01)**
[25] EN
[54] **SURFACE-TREATED STEEL**
[54] **MATERIAU D'ACIER TRAITE EN SURFACE**
[72] NISHIDA, YOSHIKATSU, JP
[72] SHIMIZU, ATSUO, JP
[72] UENO, SHIN, JP
[72] SHOJI, HIROMASA, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-04-26
[86] 2022-11-22 (PCT/JP2022/043202)
[87] (WO2023/090458)
[30] JP (2021-189292) 2021-11-22

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[13] A1
[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/40 (2006.01) A61K 31/403 (2006.01)**
[25] EN
[54] **METHODS OF TREATING AGITATION AND OTHER DEMENTIA-ASSOCIATED BEHAVIORAL SYMPTOMS**
[54] **PROCEDES DE TRAITEMENT D'AGITATION ET D'AUTRES SYMPTOMES COMPORTEMENTAUX ASSOCIES A LA DEMENCE**
[72] MACALLISTER, THOMAS, US
[72] JACOBSON, SVEN, US
[71] WOOLSEY PHARMACEUTICALS, INC., US
[85] 2024-04-26
[86] 2022-11-15 (PCT/US2022/079861)
[87] (WO2023/097151)
[30] US (63/283,696) 2021-11-29

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[51] **Int.Cl. H01M 50/46 (2021.01) H01M 10/058 (2010.01) H01M 10/0585 (2010.01) H01M 10/647 (2014.01) H01M 50/105 (2021.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LAMINATING COMPONENTS OF A BATTERY CELL**
[54] **METHODE ET APPAREIL POUR LE REVETEMENT DE COMPOSANTS D'UN ELEMENT DE BATTERIE**
[72] BECKER, ADRIAN, DE
[72] KLEMT, CHRISTIAN, DE
[72] JANSEN, TOBIAS, DE
[72] JORDAN, MARCO, DE
[72] LIPPKY, KRISTIAN, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[85] 2024-04-26
[86] 2022-10-25 (PCT/EP2022/079801)
[87] (WO2023/072942)
[30] DE (10 2021 128 348.5) 2021-10-29

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[13] A1
[51] **Int.Cl. A23L 2/04 (2006.01) A23L 2/06 (2006.01) A23L 2/385 (2006.01) A23L 2/39 (2006.01) A23L 2/52 (2006.01) A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **WATER DISPERSIBLE CANNABINOID COMPOSITIONS**
[54] **COMPOSITIONS DE CANNABINOIDES DISPERSIBLES DANS L'EAU**
[72] SCADDING, CAMERON, AU
[71] AQUILA BLACK LIMITED, AU
[85] 2024-04-26
[86] 2022-10-31 (PCT/AU2022/051307)
[87] (WO2023/070170)
[30] AU (2021903467) 2021-10-29

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[13] A1
[51] **Int.Cl. A61C 9/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ACQUIRING A DENTAL IMPRESSION BY MEANS OF INTRAORAL DIGITAL SCANNING**
[54] **APPAREIL ET PROCEDE D'ACQUISITION D'UNE EMPREINTE DENTAIRE AU MOYEN D'UN BALAYAGE NUMERIQUE INTRA-BUCCAL**
[72] CROVATO, DIEGO, IT
[72] ABRAMI, GABRIELE, IT
[72] GUIRAO CANO, SERGIO, AD
[71] CROVATO, DIEGO, IT
[71] ABRAMI, GABRIELE, IT
[71] GUIRAO CANO, SERGIO, AD
[85] 2024-04-26
[86] 2022-03-10 (PCT/IB2022/052164)
[87] (WO2023/079373)
[30] IT (102021000027989) 2021-11-03

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[51] **Int.Cl. C21B 7/10 (2006.01) F27B 3/24 (2006.01) F27D 21/00 (2006.01) G01B 5/00 (2006.01) G01B 17/02 (2006.01) G01N 29/07 (2006.01) G01N 29/22 (2006.01) G01N 29/265 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING COOLING PLATE THICKNESS IN A BLAST FURNACE**
[54] **SYSTEME ET PROCEDE DE MESURE DE L'EPAISSEUR D'UNE PLAQUE DE REFROIDISSEMENT DANS UN HAUT-FOURNEAU**
[72] LODI, GIORGIO FEDERICO, IT
[71] PAUL WURTH S.A., LU
[85] 2024-04-26
[86] 2022-11-24 (PCT/EP2022/083173)
[87] (WO2023/094545)
[30] LU (LU500898) 2021-11-24

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[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD AND COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING ELEMENTARY SPATIAL SECTORS**
[54] **APPAREIL, PROCEDE ET PROGRAMME INFORMATIQUE DE SYNTHESE D'UNE SOURCE SONORE A EXTENSION SPATIALE A L'AIDE DE SECTEURS SPATIAUX ELEMENTAIRES**
[72] WU, YUN-HAN, DE
[72] HERRE, JUERGEN, DE
[72] KOROTIAEV, MIKHAIL, DE
[72] GEIER, MATTHIAS, DE
[72] SCHWAER, SIMON, DE
[72] ADAMI, ALEXANDER, DE
[72] ANEMUELLER, CARLOTTA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-04-26
[86] 2022-11-07 (PCT/EP2022/080996)
[87] (WO2023/083752)
[30] EP (21207288.8) 2021-11-09

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[13] A1
[51] **Int.Cl. H01M 10/633 (2014.01) H01M 10/617 (2014.01) H01M 10/6567 (2014.01) H01M 50/204 (2021.01) H01M 10/48 (2006.01)**
[25] FR
[54] **ULTRA HIGH-PERFORMANCE BATTERY MODULE WITH ACTIVE AND DYNAMIC MANAGEMENT OF OPERATING TEMPERATURE AND PRESSURE**
[54] **MODULE DE BATTERIE ULTRA PERFORMANT AVEC GESTION ACTIVE ET DYNAMIQUE DE PRESSION ET DE TEMPERATURE D'OPERATION**
[72] MONTAMBAULT, SERGE, CA
[71] HYDRO-QUEBEC, CA
[85] 2024-04-26
[86] 2022-10-19 (PCT/CA2022/051538)
[87] (WO2023/081993)
[30] CA (3139110) 2021-11-10

[21] **3,236,473**
[13] A1
[51] **Int.Cl. G06Q 30/0601 (2023.01) G06Q 30/0204 (2023.01)**
[25] EN
[54] **SYSTEM FOR DYNAMICALLY GENERATING RECOMMENDATIONS TO PURCHASE SUSTAINABLE ITEMS**
[54] **SYSTEME DE GENERATION DYNAMIQUE DE RECOMMANDATIONS POUR L'ACHAT D'ARTICLES DURABLES**
[72] AMES, BRIAN SHAW, US
[71] STARBUCKS CORPORATION, US
[85] 2024-04-26
[86] 2022-12-13 (PCT/US2022/052703)
[87] (WO2023/121920)
[30] US (63/265,760) 2021-12-20

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[13] A1
[51] **Int.Cl. B65G 47/22 (2006.01)**
[25] EN
[54] **PALLET CENTERING DEVICE**
[54] **DISPOSITIF DE CENTRAGE DE PALETTE**
[72] WIGINGTON, DAKOTA, US
[72] LEWIS, CODY M., US
[72] BOWERS, GARY, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2024-04-26
[86] 2022-10-31 (PCT/US2022/078974)
[87] (WO2023/081619)
[30] US (17/453,766) 2021-11-05

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[13] A1
[51] **Int.Cl. H01M 10/0569 (2010.01) H01M 10/052 (2010.01)**
[25] EN
[54] **ELECTROLYTE FOR LITHIUM-SULFUR BATTERY AND LITHIUM-SULFUR BATTERY COMPRISING THE SAME**
[54] **ELECTROLYTE POUR UNE BATTERIE AU LITHIUM-SOUFRE ET BATTERIE AU LITHIUM-SOUFRE COMPRENANT L'ELECTROLYTE**
[72] KWACK, HO-BEOM, KR
[72] LEE, JAE-GIL, KR
[72] LEE, CHANG-HOON, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-04-26
[86] 2023-01-25 (PCT/KR2023/001147)
[87] (WO2024/048874)
[30] KR (10-2022-0110382) 2022-08-31

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[13] A1
[51] **Int.Cl. C08B 37/04 (2006.01) A61K 47/61 (2017.01) C08J 3/075 (2006.01)**
[25] EN
[54] **MODIFIED ALGINATES AND METHODS OF MAKING AND USING THEREOF**
[54] **ALGINATES MODIFIES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] BRUDNO, YEVGENY, US
[72] MOODY, CHRISTOPHER, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078944)
[87] (WO2023/077112)
[30] US (63/272,975) 2021-10-28
[30] US (63/288,906) 2021-12-13

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[13] A1
[51] **Int.Cl. A23L 2/04 (2006.01) A23L 2/06 (2006.01) A23L 2/39 (2006.01)**
[25] EN
[54] **WATER DISPERSIBLE BOTANICAL COMPOSITIONS**
[54] **COMPOSITIONS BOTANIQUES DISPERSIBLES DANS L'EAU**
[72] SCADDING, CAMERON, AU
[71] AQUILA BLACK LIMITED, AU
[85] 2024-04-26
[86] 2022-10-31 (PCT/AU2022/051311)
[87] (WO2023/070172)
[30] AU (2021903468) 2021-10-29

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) G06Q 20/40 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED DETECTION OF NETWORK ATTACKS**
[54] **SYSTEMES ET PROCEDES DE DETECTION AMELIOREE D'ATTAQUES DE RESEAU**
[72] AFZAL, SAYED AMIN, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048160)
[87] (WO2023/076553)
[30] US (63/273,672) 2021-10-29

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[13] A1
[51] **Int.Cl. C22C 21/02 (2006.01) C22C 21/04 (2006.01) C22C 21/14 (2006.01) C22C 21/16 (2006.01) C22F 1/04 (2006.01) C22F 1/043 (2006.01) C22F 1/05 (2006.01) C22F 1/057 (2006.01)**
[25] EN
[54] **STRIP MADE OF 6XXX ALLOY AND MANUFACTURING PROCESS**
[54] **BANDE EN ALLIAGE 6XXX ET PROCEDE DE FABRICATION**
[72] GUIGLIONDA, GILLES, FR
[72] LANGILLE, MICHAEL, FR
[72] LI, JICHAO, US
[71] CONSTELLIUM MUSCLE SHOALS LLC, US
[71] CONSTELLIUM NEUF-BRISACH, FR
[85] 2024-04-26
[86] 2022-11-23 (PCT/FR2022/052168)
[87] (WO2023/094773)
[30] FR (FR2112544) 2021-11-25

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[13] A1
[51] **Int.Cl. F04B 53/04 (2006.01) F04B 53/06 (2006.01) F04B 53/16 (2006.01) F04B 53/22 (2006.01) F04D 29/08 (2006.01) F04D 29/42 (2006.01) F04D 29/62 (2006.01) F04D 29/70 (2006.01)**
[25] EN
[54] **PUMP DEVICE COMPRISING A SCREW PLUG**
[54] **DISPOSITIF DE POMPE COMPRENANT UN BOUCHON A VIS**
[72] BRUHLMANN, DIETER, CH
[71] FRIDECO AG, CH
[85] 2024-04-26
[86] 2022-06-15 (PCT/EP2022/066382)
[87] (WO2023/072438)
[30] DE (20 2021 105 881.1) 2021-10-27

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[13] A1
[51] **Int.Cl. G21C 7/117 (2006.01) G21C 7/10 (2006.01) G21C 7/11 (2006.01) G21C 7/12 (2006.01) G21C 7/14 (2006.01)**
[25] EN
[54] **CONTROL ROD REMOTE DISCONNECT MECHANISM**
[54] **MECANISME DE SEPARATION A DISTANCE DE TIGE DE COMMANDE**
[72] SHARGOTS, SCOTT J., US
[72] ZIEGLER, RYAN Z., US
[72] BROWN, JASON C., US
[72] HASLET, DAVID K., US
[72] FLEMING, EMILY D., US
[71] BWXT ADVANCED TECHNOLOGIES LLC, US
[85] 2024-04-26
[86] 2022-10-31 (PCT/US2022/048446)
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[51] **Int.Cl. F24F 7/06 (2006.01) F24F 11/74 (2018.01) F24F 13/06 (2006.01)**
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[54] **HVAC EFFICIENCY BOOSTING FAN SYSTEM, APPARATUS AND METHOD**
[54] **SYSTEME, APPAREIL ET PROCEDE POUR VENTILATEUR D'AMELIORATION D'EFFICACITE DE CVC**
[72] RAEESI, KAVEH, CA
[72] MIRDAMADI, SEYED EHSAN, CA
[71] SMART COCOON INC., CA
[85] 2024-04-26
[86] 2022-10-31 (PCT/CA2022/051604)
[87] (WO2023/070226)
[30] US (63/273,385) 2021-10-29

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[51] **Int.Cl. C05B 7/00 (2006.01) C05G 3/20 (2020.01) C05G 3/30 (2020.01) C05C 1/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL COMPOSITION**
[54] **COMPOSITION AGRICOLE**
[72] WARD, STUART, GB
[72] HATHWAY, LAURA, GB
[71] YARA UK LIMITED, GB
[85] 2024-04-26
[86] 2022-11-14 (PCT/EP2022/081750)
[87] (WO2023/088832)
[30] GB (2116729.1) 2021-11-19

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[51] **Int.Cl. C09D 5/02 (2006.01) C09D 7/45 (2018.01) C09D 127/16 (2006.01)**
[25] EN
[54] **WATERBORNE POLYVINYLIDENE DIFLUORIDE COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT A BASE DE DIFLUORURE DE POLYVINYLIDENE A L'EAU**
[72] GAO, PENG, CN
[72] SHEN, CHENG, CN
[72] HE, MEIJIA, CN
[72] SHEN, CHENBO, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-04-26
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[87] (WO2023/077398)

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[51] **Int.Cl. A23L 5/10 (2016.01)**
[25] EN
[54] **FOOD STEAMING APPARATUS AND FOOD PROCESSING SYSTEM**
[54] **APPAREIL DE CUISSON A LA VAPEUR D'ALIMENTS ET SYSTEME DE TRANSFORMATION D'ALIMENTS**
[72] MOON, SUNG YANG, KR
[72] JEONG, DOO SEONG, KR
[72] KIM, HAK NYOUN, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2024-04-26
[86] 2022-07-19 (PCT/KR2022/010511)
[87] (WO2023/075088)
[30] KR (10-2021-0145509) 2021-10-28

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[51] **Int.Cl. C03B 7/00 (2006.01) C03B 9/16 (2006.01) C03B 9/193 (2006.01) C03B 9/353 (2006.01) C03B 9/41 (2006.01) G05B 19/00 (2006.01)**
[25] EN
[54] **DIRECT LOADING OF GLASS GOBS INTO TRAVERSABLE BLANK MOLDS**
[54] **CHARGEMENT DIRECT DE GOUTTES DE VERRE DANS DES MOULES EBAUCHEURS POUVANT ETRE TRAVERSES**
[72] MOHR, PAUL, US
[72] HOLMES-LIBBIS, JOHN, US
[72] ALTENDORFER, BERNHARD, DE
[71] OWENS-BROCKWAY GLASS CONTAINER INC., US
[85] 2024-04-26
[86] 2022-11-04 (PCT/US2022/049000)
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[30] US (63/276,210) 2021-11-05

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/16 (2006.01) C12N 5/04 (2006.01)**
[25] EN
[54] **ALBUMIN PROTEIN FOR USE AS AN EMULSIFIER AND DRUG CARRIER**
[54] **PROTEINE D'ALBUMINE DESTINEE A ETRE UTILISEE EN TANT QU'EMULSIFIANT ET VECTEUR DE MEDICAMENT**
[72] JAFFEE, ARTHUR, US
[72] SCHULTZ, DAN, AU
[71] ECS BRANDS, LTD., US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047934)
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[30] US (63/272,088) 2021-10-26

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[51] **Int.Cl. B64U 20/50 (2023.01) B64U 10/14 (2023.01) B64U 20/70 (2023.01) B64U 70/50 (2023.01)**
[25] EN
[54] **MODULAR ROTORCRAFT AND SYSTEM FOR AIR-DELIVERED EFFECTS OR SENSOR PAYLOADS**
[54] **GIRAVION MODULAIRE ET SYSTEME POUR DES EFFETS DISTRIBUES PAR L'AIR OU DES CHARGES UTILES DE CAPTEUR**
[72] VELAZQUEZ, MATTHEW T., US
[72] BLONDE, JAMES GARD, US
[72] CASKEY, BRIAN REISSNER, US
[72] BAITY, SEAN MARSHALL, US
[71] TEXTRON SYSTEMS CORPORATION, US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047804)
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[30] US (63/272,398) 2021-10-27

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[51] **Int.Cl. F04D 29/10 (2006.01) F04D 17/12 (2006.01) F04D 19/02 (2006.01)**
[25] EN
[54] **CONICAL SEALING ASSEMBLY FOR A ROTARY EQUIPMENT AND ROTARY EQUIPMENT COMPRISING THE SEALING ASSEMBLY**
[54] **ENSEMBLE D'ETANCHEITE CONIQUE POUR EQUIPEMENT ROTATIF ET EQUIPEMENT ROTATIF DOTE DUDIT ENSEMBLE D'ETANCHEITE**
[72] GAMBERI, FRANCESCO, IT
[72] BERGAMINI, LORENZO, IT
[72] RIZZO, EMANUELE, IT
[72] MASI, GUIDO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2024-04-26
[86] 2022-11-01 (PCT/EP2022/025490)
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[30] IT (102021000028247) 2021-11-05

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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS TARGETING INTERLEUKIN-34**
[54] **COMPOSES ET PROCEDES CIBLANT L'INTERLEUKINE-34**
[72] CHEDID, MARCIO, US
[72] FLEISHER, ADAM S., US
[72] LANNAN, MEGAN BRITTANY, US
[72] LO, ALBERT, US
[72] MINTUN, MARK, US
[72] OBUNGU, VICTOR H., US
[72] RAINES, SARAH ELISABETH, US
[72] SIMS, JOHN RANDALL II, US
[72] SKORA, ANDREW DIXON, US
[72] WALSH, ROBIN ELIZABETH, US
[72] WEST, ELIZABETH ANNE, US
[72] YE, MING, US
[71] ELI LILLY COMPANY, US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/078745)
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[30] US (63/273,204) 2021-10-29

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[51] **Int.Cl. B66C 1/00 (2006.01) H02G 1/00 (2006.01) H02G 1/02 (2006.01) H02G 1/04 (2006.01) H02G 7/00 (2006.01) H02G 7/02 (2006.01) H02G 7/04 (2006.01) H02G 7/05 (2006.01) H02G 3/34 (2006.01) H02G 7/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TEMPORARILY SUSPENDING CONDUCTORS**
[54] **APPAREIL ET PROCEDE DE SUSPENSION TEMPORAIRE DE CONDUCTEURS**
[72] HARVEY, BENJAMIN JAMES, US
[72] O'CONNELL, DANIEL NEIL, CA
[72] JODOIN, RAYMOND HENRY, CA
[71] QUANTA ASSOCIATES, L.P., US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/048040)
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[30] US (63/272,468) 2021-10-27
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[51] **Int.Cl. G06F 21/31 (2013.01) G06Q 30/0203 (2023.01)**
[25] EN
[54] **BOT DETECTION FOR A SURVEY PLATFORM**
[54] **DETECTION DE ROBOT POUR UNE PLATEFORME D'ETUDE**
[72] MANSFIELD, WILLIAM SHAWN, US
[72] MARKS, JARED SCOTT, US
[72] PRESCOTT, BROCK CARRINGTON, US
[72] HOFFMAN, AMANDA, US
[72] KREPPS, ZACHARY, US
[72] GAUCHAT, NICOLAS, US
[72] SAVAR, ALBERT AVI, US
[72] BRITTON, MATTHEW, US
[71] SUZY, INC., US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047886)
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[30] US (63/272,129) 2021-10-26

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[51] **Int.Cl. G21C 7/10 (2006.01) G21C 1/08 (2006.01) G21C 3/22 (2006.01) G21C 7/16 (2006.01) G21C 15/08 (2006.01)**
[25] EN
[54] **CONTROL ROD REMOTE HOLDOUT MECHANISM**
[54] **MECANISME DE RETENUE A DISTANCE DE TIGE DE COMMANDE**
[72] SHARGOTS, SCOTT J., US
[72] ZIEGLER, RYAN Z., US
[72] FLEMING, EMILY D., US
[72] BROWN, JASON C., US
[71] BWXT ADVANCED TECHNOLOGIES LLC, US
[85] 2024-04-26
[86] 2022-10-31 (PCT/US2022/048431)
[87] (WO2023/076676)
[30] US (63/273,700) 2021-10-29

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[13] A1
[51] **Int.Cl. H02S 20/32 (2014.01) H02S 20/10 (2014.01)**
[25] EN
[54] **TERRAIN FOLLOWING SOLAR TRACKER**
[54] **SUIVEUR SOLAIRE SUIVANT LE TERRAIN**
[72] MORIN, JACOB MARK, US
[72] KRESSE, DAVID E., US
[72] ABRAHAM, DANIEL Y., US
[72] CARIDE, ANGEL GALVAN, ES
[72] VADAKAPURAM, JEEVAN, IN
[71] NEXTRACKER LLC, US
[85] 2024-04-26
[86] 2022-11-17 (PCT/US2022/050312)
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[30] US (63/280,990) 2021-11-18

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[51] **Int.Cl. A61B 17/17 (2006.01) A61F 2/30 (2006.01) A61F 2/38 (2006.01) A61F 2/46 (2006.01)**
[25] FR
[54] **TIBIAL COMPONENT OF ENDOPROSTHETIC KNEE IMPLANT, KITS AND INSTRUMENTS THEREFORE, AND METHODS OF USE**
[54] **COMPOSANT TIBIAL D'UN IMPLANT DE GENOU ENDOPROTHETIQUE, KITS ET INSTRUMENTS ASSOCIES, ET METHODES D'UTILISATION**
[72] HARRIS, BRIAN R. JR., US
[71] MICROPORT ORTHOPEDICS INC., US
[85] 2024-04-26
[86] 2022-11-08 (PCT/US2022/079430)
[87] (WO2023/091863)
[30] US (63/264,332) 2021-11-19
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[51] **Int.Cl. G21C 7/10 (2006.01) G21C 7/117 (2006.01) G21C 7/12 (2006.01) G21C 9/02 (2006.01) G21C 7/14 (2006.01) G21C 7/16 (2006.01) G21C 19/10 (2006.01) G21C 19/12 (2006.01)**
[25] EN
[54] **CONTROL ROD REMOTE HOLDOUT MECHANISM**
[54] **MECANISME DE RETENUE A DISTANCE DE TIGE DE COMMANDE**
[72] SHARGOTS, SCOTT J., US
[72] ZIEGLER, RYAN Z., US
[72] FLEMING, EMILY D., US
[71] BWXT ADVANCED TECHNOLOGIES LLC, US
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[86] 2022-10-31 (PCT/US2022/048423)
[87] (WO2023/076674)
[30] US (63/273,694) 2021-10-29

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[51] **Int.Cl. A61B 6/00 (2024.01) G06T 11/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A CORRECTED PLANAR SCINTIGRAPHY IMAGE (CPSI)**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'UNE IMAGE DE SCINTIGRAPHIE PLANE CORRIGEE (CPSI)**
[72] SCHMIDTLEIN, ROSS, US
[72] XU, YUSEHENG, US
[72] KROL, ANDRZEJ, US
[72] GIFFORD, HOWARD, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047929)
[87] (WO2023/076422)
[30] US (63/272,603) 2021-10-27

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[51] **Int.Cl. C10G 45/12 (2006.01) C10G 1/10 (2006.01) C10G 45/06 (2006.01) C10G 45/10 (2006.01) C10G 45/36 (2006.01) C10G 45/40 (2006.01) C10G 45/48 (2006.01) C10G 45/52 (2006.01) C10G 45/54 (2006.01) C10G 65/06 (2006.01) C10G 65/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PURIFYING A PYROLYSIS OIL**
[54] **PROCEDE DE PURIFICATION D?UNE HUILE DE PYROLYSE**
[72] LANGE DE OLIVEIRA, ARMIN, DE
[72] HIEBER, GISELA, DE
[72] PILARSKI, OLIVER, DE
[72] LOEBNITZ, LISA, DE
[72] KOEPKE, DANIEL, DE
[72] MEYER-KIRSCHNER, JULIAN, DE
[72] MUELLER, CHRISTIAN, DE
[72] HAAG, MONICA, DE
[72] SCHREIBER, MICHAEL, DE
[72] FEYEN, MATHIAS, DE
[72] VITYUK, ARTEM D, US
[72] KARWACKI, LUKASZ, DE
[72] REESINK, BERNARD, NL
[71] BASF SE, DE
[85] 2024-04-26
[86] 2022-10-26 (PCT/EP2022/080004)
[87] (WO2023/073059)
[30] EP (21205105.6) 2021-10-27

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[51] **Int.Cl. G06F 16/23 (2019.01) G06F 8/34 (2018.01) G06F 8/35 (2018.01) G06F 8/36 (2018.01) G06F 40/131 (2020.01) G06F 40/143 (2020.01)**
[25] EN
[54] **A SOFTWARE DEVELOPMENT PLATFORM**
[54] **PLATE-FORME DE DEVELOPPEMENT LOGICIEL**
[72] QIAN, PAUL, AU
[72] DAI, QIN, AU
[71] EVERLAST TECHNOLOGY PTY LTD, AU
[85] 2024-04-26
[86] 2022-10-28 (PCT/AU2022/051298)
[87] (WO2023/070162)
[30] AU (2021903463) 2021-10-29

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) A61B 7/00 (2006.01)**
[25] EN
[54] **METHOD AND AN ELECTRONIC DEVICE FOR PROCESSING A WAVEFORM**
[54] **PROCEDE ET DISPOSITIF ELECTRONIQUE DE TRAITEMENT D'UNE FORME D'ONDE**
[72] SHPAK, YAROSLAV, UA
[72] DAVYDOV, MAKSIM, BY
[71] SPARROW ACOUSTICS INC., CA
[85] 2024-04-26
[86] 2022-10-26 (PCT/CA2022/051588)
[87] (WO2023/070212)
[30] US (63/271,997) 2021-10-26

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[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H04W 24/02 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] LI, YONG, CN
[72] WU, HAO, CN
[72] LU, ZHAOHUA, CN
[72] WANG, YUXIN, CN
[71] ZTE CORPORATION, CN
[85] 2024-04-26
[86] 2022-10-28 (PCT/CN2022/128287)
[87] (WO2023/078176)
[30] CN (202111301957.6) 2021-11-04

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[13] A1
[51] **Int.Cl. C21D 8/02 (2006.01) C21D 9/46 (2006.01) C22C 22/00 (2006.01) C22C 30/00 (2006.01)**
[25] EN
[54] **AUSTENITIC STEEL HAVING EXCELLENT ULTRA-LOW TEMPERATURE TOUGHNESS IN WELD HEAT-AFFECTED ZONE, AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER AUSTENITIQUE AYANT UNE EXCELLENTE RESISTANCE AU FROID EXTREME DANS UNE ZONE DE SOUDAGE THERMIQUEMENT AFFECTEE, ET SON PROCEDE DE FABRICATION**
[72] LEE, SOON-GI, KR
[72] CHOI, JONG-KYO, KR
[72] KANG, SANG-DEOK, KR
[71] POSCO CO., LTD, KR
[85] 2024-04-26
[86] 2022-12-20 (PCT/KR2022/020834)
[87] (WO2023/121221)
[30] KR (10-2021-0184271) 2021-12-21

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[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/17 (2006.01) A61K 38/18 (2006.01) A61P 35/00 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF USING ANTI-EGF ANTIBODIES TO AUGMENT THE ACTIVITY OF BRAF AND KRAS INHIBITORS**
[54] **METHODES D'UTILISATION D'ANTICORPS ANTI-EGF POUR AUGMENTER L'ACTIVITE D'INHIBITEURS DE BRAF ET DE KRAS**
[72] D'HONDT, ERIK, BE
[72] MOLINA-VILA, MIGUEL ANGEL, ES
[71] IN3BIO LTD., BM
[71] D'HONDT, ERIK, BE
[71] MOLINA-VILA, MIGUEL ANGEL, ES
[85] 2024-04-26
[86] 2022-10-28 (PCT/IB2022/000655)
[87] (WO2023/073429)
[30] US (63/272,822) 2021-10-28

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[51] **Int.Cl. A61B 5/1468 (2006.01) A61B 5/1486 (2006.01)**
[25] EN
[54] **ELECTRODE SYSTEMS FOR ELECTROCHEMICAL SENSORS**
[54] **SYSTEMES D'ELECTRODES POUR CAPTEURS ELECTROCHIMIQUES**
[72] KIANI, MASSI JOE E., US
[72] VO, HUNG THE, US
[72] PAULEY, KEVIN HUGHES, US
[72] KRISHNAMANI, VENKATRAMANAN, US
[71] WILLOW LABORATORIES, INC., US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/078818)
[87] (WO2023/077027)
[30] US (63/263,277) 2021-10-29

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[13] A1
[51] **Int.Cl. H04W 24/08 (2009.01) H04W 4/20 (2018.01) H04W 4/50 (2018.01)**
[25] EN
[54] **METHOD FOR OBTAINING DATA ANALYTICS RESULT AND COMMUNICATION APPARATUS**
[54] **PROCEDE D'OBTENTION DE RESULTAT D'ANALYSE DE DONNEES ET APPAREIL DE COMMUNICATION**
[72] FENG, ZHAO, CN
[72] XIN, YANG, CN
[72] WANG, YUAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-04-26
[86] 2022-10-11 (PCT/CN2022/124495)
[87] (WO2023/071770)
[30] CN (202111257298.0) 2021-10-27
[30] CN (202210316850.7) 2022-03-28

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[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/30 (2006.01) A61K 8/368 (2006.01) A61K 8/42 (2006.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61K 8/73 (2006.01) A61Q 5/02 (2006.01) C07C 63/08 (2006.01) C07C 233/05 (2006.01) C07C 309/17 (2006.01) C07C 309/30 (2006.01) C11D 17/00 (2006.01) C11D 17/06 (2006.01)**
[25] EN
[54] **SHAMPOO IN SOLID FORM TO BE RECONSTITUTED IN AN AQUEOUS ENVIRONMENT**
[54] **SHAMPOOING SOUS FORME SOLIDE A RECONSTITUER DANS UN ENVIRONNEMENT AQUEUX**
[72] FORTIN, SOPHIE, CA
[71] LES SOLUTIONS ZERO DECHET FILLGOOD INC., CA
[85] 2024-04-26
[86] 2022-10-24 (PCT/CA2022/051567)
[87] (WO2023/070198)
[30] US (63/271,767) 2021-10-26
[30] US (63/338,516) 2022-05-05

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[13] A1
[51] **Int.Cl. G06V 10/26 (2022.01) G06V 10/422 (2022.01) G06V 10/44 (2022.01) G06V 10/771 (2022.01) G06V 10/80 (2022.01)**
[25] EN
[54] **METHODS, STORAGE MEDIA, AND SYSTEMS FOR GENERATING A THREE-DIMENSIONAL LINE SEGMENT**
[54] **PROCEDES, SUPPORTS DE STOCKAGE ET SYSTEMES POUR GENERER UN SEGMENT DE LIGNE TRIDIMENSIONNEL**
[72] HE, HONGYUAN, US
[72] BARBHAIYA, HARSH, US
[72] SOMMERS, JEFFREY, US
[71] HOVER INC., US
[85] 2024-04-26
[86] 2022-10-25 (PCT/US2022/078673)
[87] (WO2023/076913)
[30] US (63/273,591) 2021-10-29
[30] US (63/419,016) 2022-10-25

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **REACTOR HAVING DYNAMIC SPARGER**
[54] **REACTEUR DOTE DE DIFFUSEUR DYNAMIQUE**
[72] SATHE, MAYUR, US
[72] COOMBES, JOSS ANTON, US
[72] CONRADO, ROBERT JOHN, US
[72] MORIN, GREGORY JOSEPH, US
[71] LANZATECH, INC., US
[85] 2024-04-26
[86] 2022-10-31 (PCT/US2022/078973)
[87] (WO2023/081618)
[30] US (63/263,507) 2021-11-03

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[13] A1
[51] **Int.Cl. A61B 5/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ASSESSING ACTIVE-ESCAPE BIAS IN MAMMALS**
[54] **APPAREIL ET PROCEDE D?EVALUATION DU BIAIS DE FUITE ACTIVE CHEZ LES MAMMIFERES**
[72] KARVELIS, POVILAS, CA
[72] DIACONESCU, ANDREEA, CA
[71] CENTRE FOR ADDICTION AND MENTAL HEALTH, CA
[85] 2024-04-26
[86] 2022-11-03 (PCT/CA2022/051627)
[87] (WO2023/077229)
[30] US (63/276,349) 2021-11-05

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[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01)**
[25] EN
[54] **QUANTUM COMPUTER CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE D'ORDINATEUR QUANTIQUE**
[72] NEGORO, MAKOTO, JP
[72] MORISAKA, SHINICHI, JP
[72] SHIOMI, HIDEHISA, JP
[72] MIYOSHI, TAKEFUMI, JP
[72] KOIKE, KEISUKE, JP
[71] OSAKA UNIVERSITY, JP
[71] QUEL, INC., JP
[85] 2024-04-26
[86] 2022-10-26 (PCT/JP2022/039940)
[87] (WO2023/074740)
[30] JP (2021-179002) 2021-11-01

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61P 9/02 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **ENGINEERED CARDIAC MUSCLE COMPOSITIONS**
[54] **COMPOSITIONS DE MUSCLE CARDIAQUE MODIFIEES**
[72] SABETI, PARDIS, US
[72] TABEBORDBAR, MOHAMMADSHARIF, US
[72] YE, SIMON, US
[71] THE BROAD INSTITUTE, INC., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-04-26
[86] 2022-10-05 (PCT/US2022/077628)
[87] (WO2023/060142)
[30] US (63/252,559) 2021-10-05

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[13] A1
[51] **Int.Cl. C08L 23/08 (2006.01) C08K 5/103 (2006.01) C08K 5/134 (2006.01) C08K 5/526 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITION AND USE THEREOF, AND POLYOLEFIN MICROPOROUS BREATHABLE FILM PREPARED THEREFROM**
[54] **COMPOSITION DE POLYETHYLENE ET SON UTILISATION, ET FILM MICROPOREUX RESPIRANT EN POLYOLEFINE PREPARE A PARTIR DE CELLE-CI**
[72] ZHANG, YARU, CN
[72] SONG, WENBO, CN
[72] LIU, ZHENJIE, CN
[72] CHU, LIQIU, CN
[72] ZHANG, XIAOMENG, CN
[72] LI, JUAN, CN
[72] LI, JIE, CN
[72] KANG, PENG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CH..., CN
[85] 2024-04-26
[86] 2022-10-28 (PCT/CN2022/128276)
[87] (WO2023/072254)
[30] CN (202111272418.4) 2021-10-29
[30] CN (202111273490.9) 2021-10-29

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[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **PARTITIONING SYSTEMS AND METHODS FOR DETERMINING MULTIPLE TYPES OF CANCERS**
[54] **SYSTEMES ET PROCEDES DE PARTITIONNEMENT POUR DETERMINER DE MULTIPLES TYPES DE CANCERS**
[72] CHAIT, ARNON, US
[72] ZASLAVSKY, BORIS Y., US
[71] CLEVELAND DIAGNOSTICS, INC., US
[85] 2024-04-26
[86] 2022-10-13 (PCT/US2022/046537)
[87] (WO2023/076036)
[30] US (63/272,759) 2021-10-28

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[13] A1
[51] **Int.Cl. C23C 10/36 (2006.01)**
[25] EN
[54] **METHOD OF APPLYING THERMODIFFUSION ZINC COATING TO STEEL PIPES**
[54] **PROCEDE D'APPLICATION D'UN REVETEMENT DE ZINC PAR THERMODIFFUSION SUR DES TUBES EN ACIER**
[72] SONK, ALEXEY NIKOLAEVICH, RU
[72] TSYBIN, ALEKSANDR IGOREVICH, RU
[71] MAJORPACK INCORPORATED, US
[85] 2024-04-26
[86] 2022-10-13 (PCT/RU2022/050327)
[87] (WO2023/200359)
[30] RU (2022109894) 2022-04-13

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[13] A1
[51] **Int.Cl. C07D 205/12 (2006.01) A61K 31/4035 (2006.01) A61K 31/4178 (2006.01) A61K 31/4184 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/4436 (2006.01) A61K 31/4725 (2006.01) A61K 31/5377 (2006.01) A61P 25/04 (2006.01) A61P 25/16 (2006.01) A61P 25/20 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **NOVEL SPIRO COMPOUND**
[54] **NOUVEAU COMPOSE SPIRO**
[72] HAYASHI, NORIMITSU, JP
[72] IKUBO, MASAYA, JP
[72] NAKAO, AKIRA, JP
[72] OGATA, SHINGO, JP
[72] NAGAOKA, MINAMI, JP
[72] FUKUNAGA, KENJI, JP
[72] KANNO, RENTAROU, JP
[72] YAMADA, TAKAHIRO, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2024-04-26
[86] 2022-10-28 (PCT/JP2022/040370)
[87] (WO2023/074847)
[30] JP (2021-177933) 2021-10-29

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[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) A01H 6/02 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6869 (2018.01) A01H 5/12 (2018.01) C12N 15/11 (2006.01)**
[25] EN
[54] **SPINACH PLANT HAVING NOVEL DOWNY MILDEW RESISTANCE GENE**
[54] **EPINARD POSSEDANT UN NOUVEAU GENE DE RESISTANCE AU MILDIOU**
[72] NAKAMURA, YO, JP
[72] KIMURA, RYO, JP
[72] SUGIHARA, YUICHI, JP
[72] MORITAMA, YOSUKE, JP
[71] SAKATA SEED CORPORATION, JP
[85] 2024-04-26
[86] 2022-11-01 (PCT/JP2022/040890)
[87] (WO2023/074911)
[30] JP (2021-178897) 2021-11-01

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[13] A1
[51] **Int.Cl. H01M 50/375 (2021.01) H01M 10/60 (2014.01) H01M 50/249 (2021.01) H01M 50/317 (2021.01)**
[25] EN
[54] **BATTERY AND ELECTRICAL DEVICE**
[54] **BATTERIE ET DISPOSITIF ELECTRIQUE**
[72] LI, YAO, CN
[72] YANG, PIAOPIAO, CN
[72] CHEN, XIAOBO, CN
[72] QIAN, OU, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-04-26
[86] 2022-10-31 (PCT/CN2022/128750)
[87] (3236540)

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[13] A1
[51] **Int.Cl. C07G 1/00 (2011.01) C08H 7/00 (2011.01)**
[25] EN
[54] **WHITE LIGNIN, WHITE LIGNIN-POLYSACCHARIDE COMPLEX, AND METHOD FOR PRODUCING SAME**
[54] **LIGNINE BLANCHE, COMPLEXE DE LIGNINE BLANCHE-POLYSACCHARIDE ET PROCEDE POUR LA PRODUCTION DE CEUX-CI**
[72] NISHIMURA, HIROSHI, JP
[72] SANO, MEI, JP
[72] MIZUKOSHI, YOSHITERU, JP
[71] KYOTO UNIVERSITY, JP
[85] 2024-04-26
[86] 2022-10-28 (PCT/JP2022/040569)
[87] (WO2023/074885)
[30] JP (2021-178335) 2021-10-29

[21] **3,236,542**
[13] A1
[51] **Int.Cl. H04L 67/1095 (2022.01) G06F 16/27 (2019.01) H04L 67/1097 (2022.01) H04L 69/28 (2022.01)**
[25] EN
[54] **COORDINATED CHECKPOINTS AMONG STORAGE SYSTEMS IMPLEMENTING CHECKPOINT-BASED REPLICATION**
[54] **POINTS COORDONNES DE CONTROLE PARMI DES SYSTEMES DE STOCKAGE IMPLEMENTANT UNE REPLICATION A BASE DE POINTS DE CONTROLE**
[72] KARR, RONALD, US
[71] PURE STORAGE, INC., US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078853)
[87] (WO2023/077051)
[30] US (17/514,784) 2021-10-29
[30] US (63/298,161) 2022-01-10
[30] US (17/731,020) 2022-04-27

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[13] A1
[51] **Int.Cl. G01S 17/89 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC ROUTE GENERATION FOR ROBOTIC DEVICES**
[54] **SYSTEMES ET PROCEDES DE GENERATION AUTOMATIQUE D'ITINERAIRE POUR DISPOSITIFS ROBOTIQUES**
[72] SARAIYA, VISHAAL SAMIR, US
[71] BRAIN CORPORATION, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048195)
[87] (WO2023/076576)
[30] US (63/273,584) 2021-10-29

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[13] A1
[51] **Int.Cl. G06T 7/80 (2017.01) G06T 7/536 (2017.01) G06V 20/58 (2022.01)**
[25] EN
[54] **HIGHLY-ACCURATE AND SELF-ADJUSTING IMAGING SENSOR AUTO-CALIBRATION FOR IN-VEHICLE ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) OR OTHER SYSTEM**
[54] **AUTO-ETALONNAGE DE CAPTEUR D'IMAGERIE EXTREMEMENT PRECIS ET A AUTO-AJUSTEMENT POUR SYSTEME AVANCE D'AIDE A LA CONDUITE (ADAS), EMBARQUE, OU AUTRE SYSTEME**
[72] KOBACH, ANDREW C., US
[71] OMNITRACS, LLC, US
[85] 2024-04-26
[86] 2022-08-15 (PCT/US2022/074976)
[87] (WO2023/076755)
[30] US (17/514,912) 2021-10-29

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[13] A1
[51] **Int.Cl. A61K 35/57 (2015.01)**
[25] EN
[54] **MEDICINE FOR PREVENTING OR TREATING ENTERITIS AND INTESTINAL CANCER**
[54] **MEDICAMENT POUR LA PREVENTION OU LE TRAITEMENT DE L'ENTERITE ET DU CANCER INTESTINAL**
[72] QIAN, JIN, CN
[72] LI, SHIYAN, CN
[72] WANG, RONG, CN
[71] ANHUI HYGEIANCELLS BIOMEDICAL CO. LTD, CN
[85] 2024-04-26
[86] 2022-10-28 (PCT/CN2022/128160)
[87] (WO2023/072229)
[30] CN (202111268772.X) 2021-10-29

[21] **3,236,546**
[13] A1
[51] **Int.Cl. A61K 31/57 (2006.01) A61P 15/06 (2006.01)**
[25] EN
[54] **HYDROXYPROGESTERONE CAPROATE COMPOSITIONS AND METHODS OF USE IN PREVENTING PRETERM BIRTH**
[54] **COMPOSITIONS DE CAPROATE D'HYDROXYPROGESTERONE ET METHODES D'UTILISATION DANS LA PREVENTION DE LA NAISSANCE PREMATUREE**
[72] SCHRAMM, MICHAEL R., US
[72] KIM, KILYOUNG, US
[72] CHIDAMBARAM, NACHIAPPAN, US
[72] PATEL, MAHESH V., US
[72] BRUNO, BENJAMIN J., US
[72] MEHRABAN, SHADI, US
[71] LIPOCINE, INC., US
[85] 2024-04-26
[86] 2022-12-21 (PCT/US2022/082095)
[87] (WO2023/077173)
[30] US (17/512,365) 2021-10-27

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS TARGETING INTERLEUKIN-34**
[54] **COMPOSES ET METHODES CIBLANT L'INTERLEUKINE-34**
[72] CHEDID, MARCIO, US
[72] FLEISHER, ADAM S., US
[72] LANNAN, MEGAN BRITTANY, US
[72] LO, ALBERT, US
[72] MINTUN, MARK, US
[72] OBUNGU, VICTOR H., US
[72] RAINES, SARAH ELISABETH, US
[72] SIMS, JOHN RANDALL II, US
[72] SKORA, ANDREW DIXON, US
[72] WALSH, ROBIN ELIZABETH, US
[72] WEST, ELIZABETH ANNE, US
[72] YE, MING, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078837)
[87] (WO2023/077042)
[30] US (63/273,195) 2021-10-29

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[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61N 2/00 (2006.01)**
[25] EN
[54] **TREATMENT OF NON-OCULAR DISEASES/DISORDERS BY DELIVERY OF ELECTROMAGNETIC ENERGY TO OCULAR TISSUE**
[54] **TRAITEMENT DE MALADIES/TROUBLES NON OCULAIRES PAR ADMINISTRATION D'ENERGIE ELECTROMAGNETIQUE A UN TISSU OCULAIRE**
[72] PON, DAVID, US
[71] PON, DAVID, US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047942)
[87] (WO2023/076431)
[30] US (63/271,856) 2021-10-26

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[13] A1
[51] **Int.Cl. G06V 20/59 (2022.01)**
[25] EN
[54] **HIGHLY-ACCURATE AND SELF-ADJUSTING IMAGING SENSOR AUTO-CALIBRATION FOR IN-VEHICLE DRIVER MONITORING SYSTEM OR OTHER SYSTEM**
[54] **AUTO-ETALONNAGE DE CAPTEUR D'IMAGERIE HAUTEMENT PRECIS ET AUTO-REGLABLE POUR SYSTEME DE SURVEILLANCE DE CONDUCTEUR EMBARQUE OU AUTRE SYSTEME**
[72] KOBACH, ANDREW C., US
[71] OMNITRACS, LLC, US
[85] 2024-04-26
[86] 2022-11-04 (PCT/US2022/079341)
[87] (WO2023/081852)
[30] US (17/517,384) 2021-11-02

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[13] A1
[51] **Int.Cl. C07D 498/20 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **SPIROTRICYCLE RIPK1 INHIBITORS AND METHODS OF USES THEREOF**
[54] **INHIBITEURS DE SPIROTRICYCLE RIPK1 ET LEURS PROCEDES D'UTILISATION**
[72] ACHAB, ABDELGHANI ABE, US
[72] BRILL, ZACHARY G., US
[72] RICO DUQUE, JENNY LORENA, US
[72] FRADERA, XAVIER, US
[72] METHOT, JOEY L., US
[72] SILIPHAIVANH, PHIENG, US
[72] SU, JING, US
[72] VARA, BRANDON A., US
[72] DIMAURO, ERIN F., US
[71] MERCK SHARP & DOHME LLC, US
[85] 2024-04-26
[86] 2022-10-25 (PCT/US2022/047657)
[87] (WO2023/076218)
[30] US (63/272,276) 2021-10-27
[30] US (63/407,851) 2022-09-19

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[13] A1
[51] **Int.Cl. H01M 50/209 (2021.01)**
[25] EN
[54] **BATTERY AND ELECTRICAL DEVICE**
[54] **BATTERIE ET DISPOSITIF ELECTRIQUE**
[72] KE, JIANHUANG, CN
[72] CHEN, XIAOBO, CN
[72] LI, YAO, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-04-26
[86] 2022-06-23 (PCT/CN2022/100760)
[87] (WO2023/245547)

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[13] A1
[51] **Int.Cl. A61K 31/4375 (2006.01) C12Q 1/6886 (2018.01) C07D 455/03 (2006.01)**
[25] EN
[54] **APPLICATION OF ISOQUINOLINE COMPOUND IN TUMOR TREATMENT**
[54] **APPLICATION D'UN COMPOSE D'ISOQUINOLEINE DANS LE TRAITEMENT DE TUMEURS**
[72] SHI, YUFENG, CN
[72] MA, WENJIANG, CN
[72] JIANG, CIZHONG, CN
[72] WU, CHANGQING, CN
[72] LIU, YU'E, CN
[72] LIU, WENJU, CN
[72] SHI, YUFENG, CN
[71] NANJING SHIJIANG MEDICINE TECHNOLOGY CO., LTD, CN
[71] TONGJI UNIVERSITY, CN
[85] 2024-04-26
[86] 2021-11-05 (PCT/CN2021/129066)
[87] (WO2022/095972)
[30] CN (202011233335.X) 2020-11-06

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[13] A1
[51] **Int.Cl. C07D 231/56 (2006.01) C07D 401/04 (2006.01) C07D 405/04 (2006.01) C07D 405/06 (2006.01) C07D 409/04 (2006.01) C07D 409/06 (2006.01) C07D 413/06 (2006.01)**
[25] EN
[54] **INHIBITORS OF HIF-2ALPHA AND METHODS OF USE THEREOF**
[54] **INHIBITEURS D'HIF-2ALPHA ET LEURS PROCEDES D'UTILISATION**
[72] BEATTY, JOEL WORLEY, US
[72] DREW, SAMUEL LAWRIE, US
[72] EPPLIN, MATTHEW, US
[72] FOURNIER, JEREMY, US
[72] GAL, BALINT, US
[72] HARDMAN, CLAYTON, US
[72] MAILYAN, ARTUR KARENOVICH, US
[72] LAWSON, KENNETH VICTOR, US
[72] LELETI, MANMOHAN REDDY, US
[72] LIU, DONGDONG, US
[72] MATA, GUILLAUME, US
[72] PODUNAVAC, MA?A, US
[72] POWERS, JAY PATRICK, US
[72] ROSEN, BRANDON REID, US
[72] YU, KAI, US
[71] ARCUS BIOSCIENCES, INC., US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078842)
[87] (WO2023/077046)
[30] US (63/273,283) 2021-10-29
[30] US (63/345,120) 2022-05-24
[30] US (63/380,221) 2022-10-19

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[13] A1
[51] **Int.Cl. B22F 10/16 (2021.01) B22F 10/38 (2021.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR 3D PRINTING POROUS ZINC STRUCTURES**
[54] **SYSTEME ET PROCEDE D'IMPRESSION 3D DE STRUCTURES DE ZINC POREUSES**
[72] ZHU, CHENG, US
[72] DUOSS, ERIC, US
[72] QI, ZHEN, US
[72] VAN BUUREN, TONY W., US
[72] WORSLEY, MARCUS A., US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2024-04-26
[86] 2022-11-02 (PCT/US2022/048756)
[87] (WO2023/081246)
[30] US (17/453,396) 2021-11-03

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS TARGETING INTERLEUKIN-34**
[54] **COMPOSES ET PROCEDES CIBLANT L'INTERLEUKINE-34**
[72] CHEDID, MARCIO, US
[72] FLEISHER, ADAM S., US
[72] LANNAN, MEGAN BRITTANY, US
[72] LO, ALBERT, US
[72] MINTUN, MARK, US
[72] OBUNGU, VICTOR H., US
[72] RAINES, SARAH ELISABETH, US
[72] SIMS, JOHN RANDALL II, US
[72] SKORA, ANDREW DIXON, US
[72] WALSH, ROBIN ELIZABETH, US
[72] WEST, ELIZABETH ANNE, US
[72] YE, MING, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/078776)
[87] (WO2023/076995)
[30] US (63/273,216) 2021-10-29

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[13] A1
[51] **Int.Cl. G06Q 30/0283 (2023.01) G06Q 40/08 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **MACHINE LEARNING SYSTEM AND METHODS FOR PRICE LIST DETERMINATION FROM FREE TEXT DATA**
[54] **SYSTEME D'APPRENTISSAGE MACHINE ET PROCEDES DE DETERMINATION DE LISTE DE PRIX A PARTIR DE DONNEES DE TEXTE LIBRE**
[72] SYKES, NICHOLAS, US
[72] TAYLOR, MATTHEW, US
[72] REDD, KELLY, US
[72] THALMAN, TYLER, US
[71] INSURANCE SERVICES OFFICE, INC., US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048235)
[87] (WO2023/076609)
[30] US (63/273,874) 2021-10-29

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[13] A1
[51] **Int.Cl. A61B 3/113 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **HEAD-MOUNTABLE ASSESSMENT DEVICE, AND METHOD OF USING SAME**
[54] **DISPOSITIF D'EVALUATION A MONTER SUR LA TETE ET PROCEDE POUR L'UTILISER**
[72] MIHALI, RAUL, US
[72] EL-MONAJJED, KHALED, CA
[71] EVOLUTION OPTIKS LIMITED, BB
[85] 2024-04-26
[86] 2022-11-01 (PCT/US2022/048634)
[87] (WO2023/081170)
[30] US (63/274,873) 2021-11-02
[30] US (PCT/US2022/013564) 2022-01-24
[30] US (63/363,016) 2022-04-14

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 491/107 (2006.01)**
[25] EN
[54] **SYNTHESIS, PREPARATION METHOD AND USE OF SHP2 AND CDK4/6 DUAL-TARGET INHIBITORY COMPOUND**
[54] **SYNTHESE, PROCEDE DE PREPARATION ET UTILISATION D'UN COMPOSE INHIBITEUR A DOUBLE CIBLE DE SHP2 ET DE CDK4/6**
[72] WU, XIAOXING, CN
[72] CHEN, XIAOYU, CN
[72] LI, WENQIANG, CN
[72] SHU, CHENGXIA, CN
[72] LUO, GUANGMEI, CN
[72] YANG, KEXIN, CN
[71] CHINA PHARMACEUTICAL UNIVERSITY, CN
[85] 2024-04-26
[86] 2022-07-21 (PCT/CN2022/106982)
[87] (WO2023/071314)
[30] CN (202111272628.3) 2021-10-29

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[13] A1
[51] **Int.Cl. A61B 5/06 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01) G01R 33/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO IMPLANTABLE FERROMAGNETIC MARKERS**
[54] **AMELIORATIONS APPORTEES A DES MARQUEURS FERROMAGNETIQUES IMPLANTABLES OU RELATIVES A CEUX-CI**
[72] UDALE, ROBINSON, GB
[72] VILLAR, GABRIEL, GB
[71] ENDOMAGNETICS LTD., GB
[85] 2024-04-26
[86] 2022-11-03 (PCT/GB2022/052775)
[87] (WO2023/079288)
[30] GB (2115827.4) 2021-11-03
[30] GB (2115826.6) 2021-11-03

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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 25/28 (2006.01)**
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[54] **COMPOUNDS AND METHODS TARGETING INTERLEUKIN-34**
[54] **COMPOSES ET PROCEDES CIBLANT L'INTERLEUKINE-34**
[72] CHEDID, MARCIO, US
[72] FLEISHER, ADAM S., US
[72] LANNAN, MEGAN BRITTANY, US
[72] LO, ALBERT, US
[72] MINTUN, MARK, US
[72] OBUNGU, VICTOR H., US
[72] RAINES, SARAH ELISABETH, US
[72] SIMS, JOHN RANDALL II, US
[72] SKORA, ANDREW DIXON, US
[72] WALSH, ROBIN ELIZABETH, US
[72] WEST, ELIZABETH ANNE, US
[72] YE, MING, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/078744)
[87] (WO2023/076970)
[30] US (63/273,209) 2021-10-29

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[51] **Int.Cl. H01M 50/342 (2021.01) H01M 10/613 (2014.01) H01M 10/6557 (2014.01)**
[25] EN
[54] **BATTERY AND ELECTRICAL DEVICE**
[54] **BATTERIE ET DISPOSITIF ELECTRIQUE**
[72] QIAN, OU, CN
[72] YANG, PIAOPIAO, CN
[72] LI, YAO, CN
[72] CHEN, XIAOBO, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-04-26
[86] 2022-11-30 (PCT/CN2022/135647)
[87] (WO2023/134319)
[30] CN (PCT/CN2022/071536) 2022-01-12

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[51] **Int.Cl. H01M 50/342 (2021.01)**
[25] EN
[54] **BATTERY AND ELECTRICAL APPARATUS**
[54] **BATTERIE ET DISPOSITIF ELECTRIQUE**
[72] YANG, PIAOPIAO, CN
[72] LI, YAO, CN
[72] CHEN, XIAOBO, CN
[72] QIAN, OU, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-04-26
[86] 2022-10-31 (PCT/CN2022/128748)
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[30] CN (PCT/CN2022/071536) 2022-01-12

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[25] EN
[54] **ELECTRIC VEHICLE WITH A COOLING ARRANGEMENT**
[54] **VEHICULE ELECTRIQUE POURVU D'UN SYSTEME DE REFROIDISSEMENT**
[72] BOURQUE, YANNICK, CA
[72] DRIANT, THOMAS, CA
[72] GUILLEMETTE, JEAN, CA
[72] FORTIER, JONATHAN, CA
[72] VACHON, ALEXANDRE, CA
[72] LECLAIR, ALEXANDRE, CA
[72] MALTAIS-LAROUCHE, EMILE, CA
[72] DEMERS, JEROME, CA
[72] CYR, BRUNO, CA
[72] ROBILLARD, PIERRE-LUC, CA
[72] GAUTHIER, CHRISTOPHER, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2024-04-26
[86] 2022-10-31 (PCT/IB2022/060500)
[87] (WO2023/073673)
[30] US (63/273,435) 2021-10-29
[30] US (63/273,468) 2021-10-29

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[51] **Int.Cl. C07K 14/435 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **FC VARIANTS WITH ABOLISHED BINDING TO FCGAMMAR AND C1Q**
[54] **VARIANTS FC A LIAISON ABOLIE AU FCGAMMAR ET A C1Q**
[72] VISWANATHAN, KARTHIK, US
[72] OLINSKI, LAUREN, US
[72] RAMAKRISHNAN, RAMKI, US
[72] DESHPANDE, ADITI, US
[72] BABCOCK, GREGORY, US
[72] SHRIVER, ZACHARY, US
[71] VISTERRA, INC., US
[85] 2024-04-26
[86] 2022-11-01 (PCT/US2022/048609)
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[30] US (63/274,716) 2021-11-02

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[13] A1
[51] **Int.Cl. A42B 3/04 (2006.01) G07C 5/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING VEHICLE RIDERS**
[54] **SYSTEME DE SURVEILLANCE D'USAGERS DE VEHICULE**
[72] JONES, MICHAEL K, US
[72] LATHROP, JEREMY LEN, US
[71] WESTERN POWER SPORTS, LLC, US
[85] 2024-04-26
[86] 2022-08-31 (PCT/US2022/042253)
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[30] US (63/273,715) 2021-10-29

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[51] **Int.Cl. A61K 39/215 (2006.01) A61K 38/16 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **T-CELL MODULATORY MULTIMERIC POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES MULTIMERES MODULATEURS DE LYMPHOCYTES T ET LEURS METHODES D'UTILISATION**
[72] SURI, ANISH, US
[72] MONIZ, RAYMOND J., US
[71] CUE BIOPHARMA, INC., US
[85] 2024-04-26
[86] 2022-11-21 (PCT/US2022/080263)
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[30] US (63/283,028) 2021-11-24
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[51] **Int.Cl. C08B 37/00 (2006.01) C08B 37/08 (2006.01) C08L 5/10 (2006.01) C12N 9/10 (2006.01) C12P 19/26 (2006.01) C12P 19/04 (2006.01)**
[25] EN
[54] **METHODS FOR THE CHEMOENZYMATIC SYNTHESIS OF LOW MOLECULAR WEIGHT HEPARIN FROM LOW MOLECULAR WEIGHT HEPAROSAN**
[54] **PROCEDES DE SYNTHESE CHIMIOENZYMATIQUE D'HEPARINE DE BAS POIDS MOLECULAIRE A PARTIR D'HEPAROSANE DE BAS POIDS MOLECULAIRE**
[72] LINHARDT, ROBERT JOHN, US
[72] DORDICK, JONATHAN SETH, US
[72] YU, YANLEI, CN
[72] FU, LI, US
[72] HE, PENG, US
[72] XIA, KE, US
[72] VARGHESE, SONY, US
[72] ZHANG, FUMING, US
[72] WANG, HONG, CN
[71] RENSSELAER POLYTECHNIC INSTITUTE, US
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[71] LINHARDT, ROBERT JOHN, US
[71] DORDICK, JONATHAN SETH, US
[71] YU, YANLEI, CN
[71] FU, LI, US
[71] HE, PENG, US
[71] XIA, KE, US
[71] VARGHESE, SONY, US
[71] ZHANG, FUMING, US
[71] WANG, HONG, CN
[85] 2024-04-26
[86] 2022-11-04 (PCT/US2022/048928)
[87] (WO2023/081336)
[30] US (63/276,212) 2021-11-05
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[51] **Int.Cl. A23G 1/44 (2006.01) A23L 11/50 (2021.01) A23G 1/48 (2006.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **A CHOCOLATE PRODUCT COMPRISING A MILK ANALOGUE PRODUCT**
[54] **PRODUIT DE CHOCOLAT COMPRENANT UN PRODUIT ANALOGUE AU LAIT**
[72] WOOSTER, TIMOTHY JAMES, CH
[72] CELIGUETA TORRES, ISABEL, GB
[72] KAMMERHOFER, JANA CHRISTINA, CH
[72] DE WEERT, EVELIEN, CH
[72] HAAS, KLARA, CH
[72] CHISHOLM, HELEN, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-04-29
[86] 2022-11-15 (PCT/EP2022/081985)
[87] (WO2023/084114)
[30] EP (21208232.5) 2021-11-15
[30] EP (21215318.3) 2021-12-16

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61P 25/16 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF DIAGNOSING A SYNUCLEINOPATHY**
[54] **METHODES DE DIAGNOSTIC D'UNE SYNUCLEINOPATHIE**
[72] HUSSAIN, SAMI, US
[72] GRISWOLD-PRENNER, IRENE, US
[71] NITRASE THERAPEUTICS, INC., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/US2022/078980)
[87] (WO2023/077122)
[30] US (63/274,237) 2021-11-01

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[51] **Int.Cl. A45D 29/14 (2006.01) A45D 29/18 (2006.01) B25J 9/04 (2006.01)**
[25] EN
[54] **ROBOTIC ARM OF A NAIL POLISH APPLICATION APPARATUS**
[54] **BRAS ROBOT D'UN APPAREIL D'APPLICATION DE VERNIS A ONGLES**
[72] MOR YOSEF, AVICHAY, IL
[72] MORAN, OMRI, US
[72] MILLER, RON, IL
[72] KHODOS, BORIS, IL
[71] NAILOMATIC LTD., IL
[85] 2024-04-29
[86] 2022-11-08 (PCT/IL2022/051182)
[87] (WO2023/079564)
[30] US (63/276,674) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 31/53 (2006.01) A61K 31/519 (2006.01) A61P 11/00 (2006.01) A61P 23/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING RESPIRATORY DEPRESSION MODULATED BY A NON-OPIOID AGENT**
[54] **METHODES DE TRAITEMENT DE LA DEPRESSION RESPIRATOIRE MODULEE PAR UN AGENT NON OPIOIDE**
[72] PERGOLIZZI, JOSEPH, US
[72] MILLER, THOMAS, US
[72] SCHWEIKERT, ALFRED, US
[71] ENALARE THERAPEUTICS INC., US
[85] 2024-04-29
[86] 2022-11-02 (PCT/US2022/048669)
[87] (WO2023/081185)
[30] US (63/274,722) 2021-11-02

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[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01) C12N 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING DRIED LACTOBACILLUS CELLS**
[54] **PROCEDE DE PRODUCTION DE CELLULES DE LACTOBACILLUS SECHEES**
[72] SCHILLING, MICHAEL, DK
[72] THIELE, TOBIAS, DE
[72] UHL, MAGDALENA, DE
[71] NOVOZYMES A/S, DK
[85] 2024-04-24
[86] 2022-12-20 (PCT/EP2022/086859)
[87] (WO2023/118052)
[30] IB (PCT/IB2021/062249) 2021-12-23

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[13] A1
[51] **Int.Cl. F28D 15/02 (2006.01) F25B 1/047 (2006.01) F28F 5/06 (2006.01) F28F 13/00 (2006.01)**
[25] EN
[54] **THERMAL OSCILLATION SYSTEMS**
[54] **SYSTEMES D'OSCILLATION THERMIQUE**
[72] ELIYAHU, NITZAN, IL
[71] EXENCY LTD, IL
[85] 2024-04-24
[86] 2022-11-10 (PCT/IL2022/051202)
[87] (WO2023/084520)
[30] GB (2116171.6) 2021-11-10

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[13] A1
[51] **Int.Cl. B29C 33/40 (2006.01) B29D 11/00 (2006.01) C08F 222/10 (2006.01) C08F 230/08 (2006.01) C08F 290/06 (2006.01) C08G 81/02 (2006.01) C08L 51/08 (2006.01)**
[25] EN
[54] **METHOD FOR INDUCING GREATER WETTABILITY OF CONTACT LENS COMPOSITIONS DURING MOLDING**
[54] **METHODE POUR INDUIRE UNE PLUS GRANDE MOUILLABILITE DE COMPOSITIONS DE LENTILLE DE CONTACT PENDANT LE MOULAGE**
[72] ARKLES, BARRY C., US
[72] GOFF, JONATHAN D., US
[72] WUCHTE, LIANA D., US
[71] GELEST, INC., US
[85] 2024-04-29
[86] 2022-11-21 (PCT/US2022/050534)
[87] (WO2023/091739)
[30] US (63/281,927) 2021-11-22

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[13] A1
[51] **Int.Cl. F25D 21/08 (2006.01) F25D 17/06 (2006.01) F25D 21/14 (2006.01)**
[25] EN
[54] **SELF-CONTAINED REACH-IN REFRIGERATOR**
[54] **REFRIGERATEUR ACCESSIBLE AUTONOME**
[72] CLAY, BRANDON, US
[72] MOONIER, CHRISTOPHER, US
[71] TRUE MANUFACTURING CO., INC., US
[85] 2024-04-24
[86] 2022-12-13 (PCT/US2022/052681)
[87] (WO2023/129368)
[30] US (17/564,559) 2021-12-29

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[13] A1
[51] **Int.Cl. B05C 5/02 (2006.01)**
[25] EN
[54] **DIE**
[54] **MATRICE**
[72] SASANO, YUSHI, JP
[71] HIRANO TECSEED CO., LTD., JP
[85] 2024-04-29
[86] 2023-01-27 (PCT/JP2023/002624)
[87] (WO2023/157609)
[30] JP (2022-021520) 2022-02-15

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[13] A1
[51] **Int.Cl. H04L 45/00 (2022.01) H04L 41/122 (2022.01) H04L 41/5019 (2022.01) H04L 45/28 (2022.01) H04L 45/64 (2022.01) H04L 45/655 (2022.01) H04L 45/741 (2022.01) H04L 45/76 (2022.01) H04L 45/85 (2022.01)**
[25] EN
[54] **ROBUST NETWORK CONNECTIVITY LEVERAGING EDGE COMPUTE**
[54] **CONNECTIVITE DE RESEAU ROBUSTE METTANT EN ?UVRE UN CALCUL EN PERIPHERIE**
[72] WENZEL, KEVIN, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2024-04-29
[86] 2022-09-01 (PCT/US2022/075804)
[87] (WO2023/081551)
[30] US (63/275,024) 2021-11-03

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[13] A1
[51] **Int.Cl. C08K 3/22 (2006.01) C09D 7/61 (2018.01) C09D 7/63 (2018.01) C08K 3/26 (2006.01) C08K 3/34 (2006.01) C08K 9/02 (2006.01) C08K 9/10 (2006.01) C09D 133/00 (2006.01) E04B 1/76 (2006.01)**
[25] EN
[54] **STABLE HIGH TEMPERATURE COATING COMPOSITIONS AND METHODS OF PREPARING AND USING THE SAME**
[54] **COMPOSITIONS DE REVETEMENT STABLES A HAUTE TEMPERATURE ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] ZHANG, LINZHU, US
[72] HUGHES, JOHN E., US
[72] CAVANAUGH, JASON T., US
[72] SHEARER, LORI JO L., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2024-04-29
[86] 2022-10-26 (PCT/US2022/047915)
[87] (WO2023/076410)
[30] US (63/272,386) 2021-10-27

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[13] A1
[51] **Int.Cl. C07K 16/12 (2006.01) C12N 15/10 (2006.01) C40B 70/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PROTEIN DETECTION**
[54] **PROCEDES ET COMPOSITIONS POUR LA DETECTION DE PROTEINES**
[72] OGDEN, PIERCE, US
[72] KUZNETSOV, GLEB, US
[72] LOFGREN, SHANE, US
[72] NUDEL, KATHLEEN, US
[72] LIM, HOONG CHUIN, US
[72] DUFFY, KAREN, US
[72] CHANG, JEFFREY, US
[71] MANIFOLD BIOTECHNOLOGIES, INC., US
[85] 2024-04-24
[86] 2022-11-02 (PCT/US2022/079134)
[87] (WO2023/081695)
[30] US (17/518,221) 2021-11-03
[30] US (63/275,172) 2021-11-03

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[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01J 20/28 (2006.01) B01J 20/32 (2006.01) B01J 20/34 (2006.01)**
[25] EN
[54] **REGENERATION OF DEGRADED AMINO-SORBENTS FOR CARBON CAPTURE**
[54] **REGENERATION D'AMINO-SORBANTS DEGRADES POUR LA CAPTURE DE CARBONE**
[72] VARGAS, ANGELO, CH
[72] ALBANI, DAVIDE, CH
[72] LIMONE, CLAUDIO, CH
[71] CLIMEWORKS AG, CH
[85] 2024-04-29
[86] 2022-11-14 (PCT/EP2022/081700)
[87] (WO2023/088812)
[30] EP (21209232.4) 2021-11-19

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 6/46 (2018.01) C12Q 1/6895 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **MAIZE EVENT DAS-01131-3 AND METHODS FOR DETECTION THEREOF**
[54] **EVENEMENT DE MAIS DAS-01131-3 ET PROCEDES DE DETECTION DE CELUI-CI**
[72] ASBERRY, ANDREW, US
[72] CONG, BIN, US
[72] CRANE, VIRGINIA, US
[72] KING, JAMES EDWARD, US
[72] MUTTI, JASDEEP S., US
[72] O'NEILL, DENNIS, US
[72] PASCUAL, M. ALEJANDRA, US
[72] VAN DYK, MARIA MAGDALENA, US
[72] WANG, PO-HAO, US
[72] WOOSLEY, AARON T., US
[72] WORDEN, SARAH E., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2024-04-24
[86] 2022-11-11 (PCT/US2022/079768)
[87] (WO2023/091884)
[30] US (63/264,100) 2021-11-16

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[13] A1
[51] **Int.Cl. A61F 5/56 (2006.01) A61H 9/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR OPENING AN AIRWAY**
[54] **DISPOSITIF ET METHODE D'OUVERTURE DE VOIES RESPIRATOIRES**
[72] GANDOLA, KENT, US
[71] SOMMETRICS, INC., US
[85] 2024-04-29
[86] 2022-10-26 (PCT/US2022/047857)
[87] (WO2023/076362)
[30] US (63/263,328) 2021-10-29

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[13] A1
[51] **Int.Cl. F03B 17/04 (2006.01) F03B 17/02 (2006.01)**
[25] EN
[54] **BUOYANT FORCE UTILIZATION DEVICE**
[54] **DISPOSITIF UTILISANT LA POUSSEE D'ARCHIMEDE**
[72] ULLRICH, THOMAS, DE
[71] ULLRICH, THOMAS, DE
[85] 2024-04-29
[86] 2022-10-28 (PCT/EP2022/080310)
[87] (WO2023/073223)
[30] DE (10 2021 128 405.8) 2021-10-31
[30] LU (LU500836) 2021-11-08

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[13] A1
[51] **Int.Cl. C07K 14/405 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **USE OF A MODIFIED .BETA.-CAROTENE KETOLASE (BKT) OR A CORRESPONDING NUCLEIC ACID FOR IMPROVING RESISTANCE TO OXIDATIVE STRESS AND/OR PHOTOINHIBITION OF HOST ORGANISMS, IMPROVING BIOMASS PRODUCTIVITY OF HOST ORGANISMS AND/OR PREVAILING OVER OTHER COMPETING ORGANISMS UPON CULTIVATION IN HIGH LIGHT CONDITIONS**
[54] **UTILISATION D'UNE .BETA.-CAROTENE CETOLASE (BKT) MODIFIEE OU D'UN ACIDE NUCLEIQUE CORRESPONDANT POUR AMELIORER LA RESISTANCE AU STRESS OXYDATIF ET/OU A LA PHOTO-INHIBITION D'ORGANISMES HOTES, AMELIORER LA PRODUCTIVITE DE LA BIOMASSE D'ORGANISMES HOTES ET/OU L'EMPORTER SUR D'AUTRES ORGANISMES CONCURRENTS LORS DE LA CULTURE DANS DES CONDITIONS DE FORTES ...**
[72] BALLOTTARI, MATTEO, IT
[72] CAZZANIGA, STEFANO, IT
[72] PEROZENI, FEDERICO, IT
[72] BETTERLE, NICO, IT
[71] UNIVERSITA' DEGLI STUDI DI VERONA, IT
[85] 2024-04-29
[86] 2022-10-28 (PCT/IB2022/060381)
[87] (WO2023/073631)
[30] IT (102021000027824) 2021-10-29

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[13] A1
[51] **Int.Cl. A24C 5/06 (2006.01) A24C 1/02 (2006.01) A24C 1/44 (2006.01)**
[25] EN
[54] **APPARATUS FOR FORMING SMOKING PRODUCTS**
[54] **APPAREIL POUR FORMER DES ARTICLES A FUMER**
[72] PILOT, EVAN, US
[72] KASSLER, NIKOLAS, US
[71] GEN THREE SOLUTIONS, LLC, US
[85] 2024-04-29
[86] 2022-11-01 (PCT/US2022/048585)
[87] (WO2023/076728)
[30] US (63/274,147) 2021-11-01
[30] US (63/322,833) 2022-03-23

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[13] A1
[51] **Int.Cl. B81B 3/00 (2006.01) B81B 7/02 (2006.01) H03H 9/125 (2006.01) H03H 9/24 (2006.01)**
[25] EN
[54] **MICROELECTROMECHANICAL DEVICES FOR HIGHER ORDER PASSIVE TEMPERATURE COMPENSATION AND METHODS OF DESIGNING THEREOF**
[54] **DISPOSITIFS MICRO-ELECTROMECANIQUES POUR COMPENSATION DE TEMPERATURE PASSIVE D'ORDRE SUPERIEUR ET PROCEDES DE CONCEPTION ASSOCIES**
[72] DARUWALLA, ANOSH, CA
[72] MATHEW, REUBLE, CA
[71] STATHERA IP HOLDINGS INC., CA
[85] 2024-04-25
[86] 2022-10-26 (PCT/CA2022/051591)
[87] (WO2023/070214)
[30] US (63/271,956) 2021-10-26

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[13] A1
[51] **Int.Cl. E02F 9/08 (2006.01) E02F 9/20 (2006.01) E02F 9/22 (2006.01)**
[25] EN
[54] **ELECTRIC CONTROL UNIT FOR A MINING MACHINE, CORRESPONDING MINING MACHINE AND COMPUTER-IMPLEMENTED METHOD**
[54] **UNITE DE COMMANDE ELECTRIQUE POUR UN ENGIN D'EXPLOITATION MINIER, ENGIN D'EXPLOITATION MINIER CORRESPONDANT ET PROCEDE MIS EN OEUVRE PAR ORDINATEUR**
[72] GRAHN, FREDRIK, SE
[72] HOLMGREN, FREDRIK, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[85] 2024-04-29
[86] 2021-11-10 (PCT/SE2021/051127)
[87] (WO2023/085985)

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[13] A1
[51] **Int.Cl. H04L 9/28 (2006.01) H04L 9/40 (2022.01)**
[25] EN
[54] **ENCRYPTION/DECRYPTION USING KEY ENCAPSULATION/DECAPSULATION**
[54] **CHIFFREMENT/DECHIFFREMENT AU MOYEN D'ENCAPSULATION/DESENCAPSULATION DE CLE**
[72] SHARIFIAN, SETAREH, CA
[72] SAFAVI-NAEINI, REYHANEH, CA
[71] UTI LIMITED PARTNERSHIP, CA
[85] 2024-04-25
[86] 2022-10-27 (PCT/CA2022/051596)
[87] (WO2023/070219)
[30] US (17/514,762) 2021-10-29

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[13] A1
[51] **Int.Cl. C07D 265/30 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **2-(ARYL-2-YL) MORPHOLINE AND DEUTERATED DERIVATIVE THEREOF, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **2-(ARYL-2-YL)MORPHOLINE ET DERIVE DEUTERE DE CELLE-CI, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] SU, YIDONG, CN
[72] LI, KAILONG, CN
[72] HUANG, ZHIQIANG, CN
[72] DENG, HAINING, CN
[72] ZHOU, XIAOHAN, CN
[72] YU, WENSHENG, CN
[71] SHANGHAI HANSOH BIOMEDICAL CO., LTD., CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2024-04-29
[86] 2022-11-04 (PCT/CN2022/129881)
[87] (WO2023/078392)
[30] CN (202111301874.7) 2021-11-04
[30] CN (202210066119.3) 2022-01-20
[30] CN (202210065986.5) 2022-01-20
[30] CN (202210398665.7) 2022-04-15
[30] CN (202211104724.1) 2022-09-09
[30] CN (202211105290.7) 2022-09-09

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[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 9/18 (2006.01) A01G 31/06 (2006.01)**
[25] EN
[54] **VERTICAL FARM SYSTEM**
[54] **SYSTEME DE FERME VERTICALE**
[72] THOMAS, AMBROSI, IT
[71] ONO EXPONENTIAL FARMING S.R.L., IT
[85] 2024-04-29
[86] 2022-10-27 (PCT/IB2022/060328)
[87] (WO2023/073602)
[30] IT (102021000027740) 2021-10-29

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[13] A1
[51] **Int.Cl. B29C 64/264 (2017.01) B33Y 30/00 (2015.01) B29C 64/20 (2017.01) B29C 64/307 (2017.01) B33Y 40/20 (2020.01) B29C 35/08 (2006.01)**
[25] EN
[54] **3D PRINTING AND CURING DEVICE**
[54] **DISPOSITIF D'IMPRESSION 3D ET DE DURCISSEMENT**
[72] WANG, XINGJIE, CN
[72] FENG, QIKAI, CN
[72] GAO, LUSHENG, CN
[72] CHEN, MING, CN
[72] ZHANG, JING, CN
[72] JIN, LIANG, CN
[71] ZHEJIANG XUNSHI TECHNOLOGY CO., LTD., CN
[85] 2024-04-25
[86] 2021-12-29 (PCT/CN2021/142613)
[87] (WO2023/123090)

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[51] **Int.Cl. C07D 209/14 (2006.01) A61K 31/4045 (2006.01) A61P 25/04 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **FORMULATIONS OF PSILOCYBIN ANALOGS AND METHODS OF USE**
[54] **FORMULATIONS D'ANALOGUES DE PSILOCYBINE ET PROCEDES D'UTILISATION**
[72] NIVOROZHKIN, ALEX, US
[72] PALFREYMAN, MICHAEL, US
[72] PATHARE, PRADIP M., US
[72] AVERY, KENNETH L., US
[72] SHUKOOR, MOHAMMED I., US
[72] HUANG, JAMES HE, US
[72] MORGAN, MICHAEL E., US
[72] KRAKOWSKY, JOAN M., US
[71] CYBIN IRL LIMITED, IE
[85] 2024-04-29
[86] 2022-09-20 (PCT/EP2022/076073)
[87] (WO2023/078604)
[30] US (63/276,117) 2021-11-05
[30] EP (PCT/EP2022/056991) 2022-03-17

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[13] A1
[51] **Int.Cl. F03D 7/04 (2006.01) F03D 9/11 (2016.01)**
[25] EN
[54] **WIND POWER GENERATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE PRODUCTION D'ENERGIE EOLIENNE**
[72] SHI, ZHENTANG, CN
[72] ZHANG, HONGYANG, CN
[72] DONG, CUICUI, CN
[72] DONG, JIE, CN
[72] TAO, LINAN, CN
[72] LI, JUN, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS CO., LTD., CN
[85] 2024-04-25
[86] 2022-10-25 (PCT/CN2022/127337)
[87] (WO2023/072056)
[30] CN (202111267812.9) 2021-10-29

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[13] A1
[51] **Int.Cl. B01J 29/03 (2006.01)**
[25] EN
[54] **HYDROGENATION CATALYST AND PREPARATION METHOD THEREFOR AND USE THEREOF, AND HYDROGENATION REACTION METHOD FOR OIL PRODUCTS**
[54] **CATALYSEUR D'HYDROGENATION ET SON PROCEDE DE PREPARATION ET SON UTILISATION, ET PROCEDE DE REACTION D'HYDROGENATION POUR DES PRODUITS PETROLIERS**
[72] LIU, LI, CN
[72] YANG, CHENGMIN, CN
[72] ZHENG, BUMEI, CN
[72] GUO, RONG, CN
[72] DUAN, WEIYU, CN
[72] YAO, YUNHAI, CN
[72] CHEN, XIAOZHEN, CN
[72] SUN, JIN, CN
[72] YIN, XIAOYING, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS CO., LTD., CN
[85] 2024-04-25
[86] 2022-10-26 (PCT/CN2022/127557)
[87] (WO2023/072117)
[30] CN (202111278954.5) 2021-10-31

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[13] A1
[51] **Int.Cl. B60K 17/24 (2006.01) F16F 15/08 (2006.01)**
[25] EN
[54] **CENTER BEARING SUPPORT**
[54] **SUPPORT DE PALIER CENTRAL**
[72] RYU, YOSHIHISA, JP
[71] NOK CORPORATION, JP
[85] 2024-04-29
[86] 2022-12-08 (PCT/JP2022/045354)
[87] (WO2023/120222)
[30] JP (2021-206093) 2021-12-20

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[13] A1
[51] **Int.Cl. C03B 5/12 (2006.01) C03B 5/235 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING A MELT FOR THE PRODUCTION OF MAN-MADE MINERAL FIBRES**
[54] **PROCEDE DE PREPARATION D'UNE MASSE FONDUE POUR LA PRODUCTION DE FIBRES MINERALES ARTIFICIELLES**
[72] ELMEKILDE HANSEN, LARS, DK
[72] ZHOU, HAOSHENG, DK
[71] ROCKWOOL A/S, DK
[85] 2024-04-29
[86] 2022-11-04 (PCT/EP2022/080868)
[87] (WO2023/079108)
[30] EP (21206795.3) 2021-11-05

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[13] A1
[51] **Int.Cl. B65H 19/26 (2006.01) B65H 19/28 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR A TURN-UP PROCEDURE USING AN ADHESIVE PAPERBAND COMPOSITE**
[54] **PROCEDES ET APPAREIL POUR UNE PROCEDURE DE RETOURNEMENT A L'AIDE D'UN COMPOSITE DE RUBAN DE PAPIER ADHESIF**
[72] RODRIGUEZ, PETER, US
[72] AUSTIN, CRAIG, US
[72] RODRIGUEZ, JASON, US
[72] RODRIGUEZ, VICTOR, US
[71] PAPELTEC OVERSEAS, INC., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/US2022/048483)
[87] (WO2023/076699)
[30] US (63/274,083) 2021-11-01
[30] US (17/977,949) 2022-10-31

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[13] A1
[51] **Int.Cl. E04F 13/08 (2006.01) E04F 13/14 (2006.01)**
[25] FR
[54] **DEVICE FOR ATTACHING A CLADDING PANEL TO A STRUCTURE**
[54] **DISPOSITIF DE FIXATION D'UN PANNEAU DE BARDAGE SUR UNE STRUCTURE**
[72] GIACOMETTI, SYLVIANNE, FR
[72] CHAPEL, ROMAIN, FR
[71] SB INGENIERIE, FR
[85] 2024-04-29
[86] 2022-10-26 (PCT/EP2022/080016)
[87] (WO2023/073068)
[30] FR (FR2111549) 2021-10-29

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/45 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **DEGRADATION AGENT AND USE THEREOF**
[54] **AGENT DE DEGRADATION ET SON UTILISATION**
[72] LIU, CHUAN, CN
[72] LIU, JINMING, CN
[72] DOU, DENGFENG, CN
[72] TAI, ZHENGFU, CN
[72] LI, JIN, CN
[72] GE, JUNYOU, CN
[72] ZHANG, WEI, CN
[72] XIA, SHUAI, CN
[72] XIANG, SICHUAN, CN
[72] LUO, LINFU, CN
[72] SHEN, JIANBO, CN
[72] CAI, LONGYING, CN
[72] CHEN, QIUXIA, CN
[72] LIU, QIAN, CN
[72] HUANG, HUI, CN
[72] YANG, XIAOJIAO, CN
[72] TIAN, QIANG, CN
[72] SONG, HONGMEI, CN
[71] HITGEN INC., CN
[71] SICHUAN KELUN-BIOTECH BIOPHARMACEUTICAL CO., LTD., CN
[85] 2024-04-25
[86] 2022-11-15 (PCT/CN2022/131968)
[87] (WO2023/088245)
[30] CN (202111375053.8) 2021-11-17
[30] CN (202210653756.0) 2022-06-10

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[13] A1
[51] **Int.Cl. A61H 11/00 (2006.01) A61H 9/00 (2006.01)**
[25] EN
[54] **ARTIFICIAL MUSCLE MASSAGE GARMENT WITH COILED ELEMENTS IN OR ON TEXTILE FABRIC**
[54] **VETEMENT DE MASSAGE DE MUSCLE ARTIFICIEL AVEC ELEMENTS ENROULES DANS OU SUR UN TISSU TEXTILE**
[72] THOPPEY, NAGARAJAN, DE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2024-04-25
[86] 2021-11-05 (PCT/EP2021/080812)
[87] (WO2023/078562)

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[13] A1
[51] **Int.Cl. F28D 9/00 (2006.01) F28D 21/00 (2006.01) F28F 9/00 (2006.01)**
[25] FR
[54] **HEAT EXCHANGER COMPRISING AT LEAST ONE LATERAL ENCASULATION PLATE, AIR CONDITIONING SYSTEM AND VEHICLE**
[54] **ECHANGEUR DE CHALEUR COMPRENANT AU MOINS UNE PLAQUE LATERALE D'ENCAPSULAGE, SYSTEME DE CONDITIONNEMENT D'AIR ET VEHICULE**
[72] BONNIVARD, FLORIAN, FR
[72] RAMOUSSE, ARNAUD, FR
[72] RICARD, DIDIER, FR
[71] LIEBHERR-AEROSPACE TOULOUSE SAS, FR
[85] 2024-04-29
[86] 2022-12-22 (PCT/EP2022/087635)
[87] (WO2023/143841)
[30] FR (FR2200723) 2022-01-27

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[13] A1
[51] **Int.Cl. C07K 7/64 (2006.01) A61P 9/10 (2006.01) A61P 17/02 (2006.01) C07K 1/04 (2006.01)**
[25] EN
[54] **DUAL-TARGETING COMPOUND FOR FIBROBLAST ACTIVATION PROTEIN (FAP) AND INTEGRIN .ALPHA.V.BETA.3, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE A DOUBLE CIBLAGE DIRIGE POUR LA PROTEINE (FAP) D'ACTIVATION DES FIBROBLASTES ET L'INTEGRINE .ALPHA.V.BETA.3, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] CHEN, XIAOYUAN, CN
[72] XU, PENGFEI, CN
[72] WU, XIAOMING, CN
[72] GUO, ZHIDE, CN
[72] YANG, QINGBAO, CN
[72] WEN, XUEJUN, CN
[71] YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD., CN
[85] 2024-04-29
[86] 2023-09-26 (PCT/CN2023/121284)
[87] (WO2024/067531)
[30] CN (202211203390.3) 2022-09-29

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[13] A1
[51] **Int.Cl. B01J 19/08 (2006.01) B01J 8/00 (2006.01) B01J 8/02 (2006.01) C10K 1/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR GAS CONVERSION**
[54] **DISPOSITIF ET PROCEDE DE CONVERSION DE GAZ**
[72] BOGAERTS, ANNEMIE, BE
[72] GIRARD-SAHUN, FANNY, BE
[72] TRENCHEV, GEORGI, BE
[71] UNIVERSITEIT ANTWERPEN, BE
[85] 2024-04-25
[86] 2022-10-25 (PCT/EP2022/079789)
[87] (WO2023/078735)
[30] EP (21206103.0) 2021-11-02

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[13] A1
[51] **Int.Cl. A23G 1/00 (2006.01) A23G 1/50 (2006.01) A23G 1/54 (2006.01) A23G 1/56 (2006.01)**
[25] EN
[54] **FLOATABLE FOOD PRODUCT FOR MELTING AND/OR DISSOLVING IN A LIQUID**
[54] **PRODUIT ALIMENTAIRE FLOTTANT POUR LA FUSION ET/OU LA DISSOLUTION DANS UN LIQUIDE**
[72] DECOCK, FRANK, BE
[71] DECOCK, FRANK, BE
[85] 2024-04-25
[86] 2022-10-26 (PCT/EP2022/079929)
[87] (WO2023/073015)
[30] BE (2021/5835) 2021-10-26

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[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 47/22 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) C07D 241/04 (2006.01) C07D 295/15 (2006.01)**
[25] EN
[54] **LIPID NANOPARTICLES FOR OLIGONUCLEOTIDE DELIVERY**
[54] **NANOPARTICULES LIPIDIQUES POUR L'ADMINISTRATION D'OLIGONUCLEOTIDES**
[72] VALEMBOIS, SOPHIE, BE
[72] HAQUE, AKM, ASHIQUL, BE
[72] SAHU, ITISHRI, BE
[72] MC CAFFERTY, SEAN, BE
[72] CARDON, CHRISTIAAN, BE
[71] ZIPHIUS NV, BE
[85] 2024-04-25
[86] 2022-11-02 (PCT/EP2022/080576)
[87] (WO2023/078946)
[30] EP (21205899.4) 2021-11-02

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[13] A1
[51] **Int.Cl. H02G 3/04 (2006.01) H02G 11/02 (2006.01)**
[25] EN
[54] **CONDUIT FITTINGS FOR CONDUIT AND CABLE INSTALLATIONS**
[54] **RACCORDS DE CONDUITS POUR INSTALLATIONS DE CONDUITS ET DE CABLES**
[72] VOELZKE, STEVEN A., US
[72] STRICKLIN, TABITHA, US
[72] HENLEY, CHRISTOPHER ROBERT, US
[71] ROBROY INDUSTRIES - TEXAS, LLC, US
[85] 2024-04-29
[86] 2022-11-01 (PCT/US2022/048554)
[87] (WO2023/076720)
[30] US (63/274,241) 2021-11-01

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ERROR PRONE DNA POLYMERASE FOR ORGANELLE MUTATION**
[54] **ADN POLYMERASE SUJETTE AUX ERREURS POUR MUTATION D'ORGANITES**
[72] JI, JUNWEI, GB
[72] DAY, ANIL, GB
[71] THE UNIVERSITY OF MANCHESTER, GB
[85] 2024-04-29
[86] 2021-11-01 (PCT/GB2021/052823)
[87] (WO2023/073333)

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[13] A1
[51] **Int.Cl. C02F 1/461 (2006.01) C02F 1/463 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL APPARATUS FOR ELECTROCOAGULATION METHODS AND USESTHEREOF**
[54] **APPAREIL ELECTROCHIMIQUE POUR PROCEDES D'ELECTROCOAGULATION ET SON UTILISATION**
[72] DOS SANTOS RODRIGUES, ANTONIO JOSE, PT
[72] MELES FREIRE DE OLIVEIRA, CARLOS MIGUEL, PT
[71] VENTILAQUA, S.A, PT
[85] 2024-04-29
[86] 2022-10-31 (PCT/IB2022/060484)
[87] (WO2023/073666)
[30] PT (117537) 2021-10-30

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[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01) F21V 29/15 (2015.01) E04C 2/52 (2006.01) F21V 5/00 (2018.01) F21V 8/00 (2006.01) F21V 9/04 (2018.01) F21V 9/06 (2018.01) G02B 6/00 (2006.01)**
[25] EN
[54] **LIGHT-TRANSMITTING PANEL FOR BUILDINGS AND METHOD OF USING SAME**
[54] **PANNEAU TRANSMETTANT DE LA LUMIERE POUR BATIMENTS ET SON PROCEDE D'UTILISATION**
[72] GERMAIN, CHARLES-BENOIT, CA
[71] 9416-1999 QUEBEC INC., CA
[85] 2024-04-29
[86] 2021-10-29 (PCT/CA2021/051538)
[87] (WO2023/070193)

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[13] A1
[51] **Int.Cl. G21C 23/00 (2006.01) G21G 1/02 (2006.01)**
[25] EN
[54] **DEVICE FOR SUBJECTING PROBES TO IRRADIATION IN THE CORE OF A HEAVY WATER REACTOR, DIVERTER, INSTALLATION FOR PRODUCING ACTIVATED PROBES IN THE CORE OF A HEAVY WATER REACTOR AND HEAVY WATER REACTOR**
[54] **DISPOSITIF POUR SOUMETTRE DES SONDES A UNE IRRADIATION DANS LE COEUR D'UN REACTEUR A EAU LOURDE, DEFLECTEUR, INSTALLATION POUR PRODUIRE DES SONDES ACTIVEES DANS LE COEUR D'UN REACTEUR A EAU LOURDE ET REACTEUR A EAU LOURDE**
[72] SYKORA, ALEXANDER, DE
[72] LOW, PATRICK, DE
[72] WAGNER, SEBASTIAN, DE
[71] FRAMATOME GMBH, DE
[85] 2024-04-29
[86] 2021-11-30 (PCT/EP2021/083641)
[87] (WO2023/098981)

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL ANTI-L1CAM ANTIBODY**
[54] **NOUVEL ANTICORPS ANTI-L1CAM**
[72] WANG, JI, CN
[72] DING, ZHILOU, CN
[72] CHEN, ZHIHONG, CN
[72] GU, JINMING, CN
[72] CUI, DONGBING, CN
[72] YANG, QIUMEI, CN
[71] CURON BIOPHARMACEUTICAL (SHANGHAI) CO., LIMITED, CN
[85] 2024-04-29
[86] 2022-11-01 (PCT/CN2022/128854)
[87] (WO2023/078224)
[30] CN (202111296133.4) 2021-11-03
[30] CN (202210022509.0) 2022-01-10

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[13] A1
[51] **Int.Cl. B65B 17/02 (2006.01) B65D 71/50 (2006.01)**
[25] EN
[54] **MULTIPACK AND METHOD FOR PRODUCING A MULTIPACK**
[54] **EMBALLAGE GROUPE ET PROCEDE DE PRODUCTION D'UN EMBALLAGE GROUPE**
[72] HAIDACHER, PETER, DE
[72] KREIS, MARCUS, DE
[72] RENZ, MARCUS, DE
[72] SPINDLER, HERBERT, DE
[71] KRONES AKTIENGESELLSCHAFT, DE
[85] 2024-04-29
[86] 2022-10-25 (PCT/EP2022/079742)
[87] (WO2023/083602)
[30] DE (10 2021 129 507.6) 2021-11-12

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[13] A1
[51] **Int.Cl. A01C 23/00 (2006.01) A01M 7/00 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR CALIBRATION OF LIQUID FERTILIZER DISTRIBUTION**
[54] **APPAREIL, SYSTEME ET PROCEDE DESTINE A L'ETALONNAGE D'UNE DISTRIBUTION D'ENGRAIS LIQUIDE**
[72] NOLTE, STEVE, US
[72] WILLIS, PHILIP, US
[72] WILLIAMS, DENNY, US
[72] FLUGUM, AUSTIN, US
[71] KINZE MANUFACTURING, INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/048965)
[87] (WO2023/081360)
[30] US (63/263,608) 2021-11-05

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[13] A1
[51] **Int.Cl. B01D 29/82 (2006.01) B30B 9/12 (2006.01) F26B 5/14 (2006.01) F26B 15/26 (2006.01) F26B 17/00 (2006.01) F26B 17/20 (2006.01) F26B 25/02 (2006.01)**
[25] EN
[54] **SEPARATOR DEVICE FOR DEWATERING WET MATTER**
[54] **DISPOSITIF DE SEPARATION POUR LA DESHYDRATATION DE MATIERE HUMIDE**
[72] KRAMPE, PAUL, DE
[72] BURHORST, TORSTEN, DE
[72] HOFFMANN, LUKAS, DE
[71] VOGELSANG GMBH & CO. KG, DE
[85] 2024-04-25
[86] 2022-10-24 (PCT/EP2022/079549)
[87] (WO2023/072814)
[30] DE (10 2021 128 199.7) 2021-10-28

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[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 47/22 (2006.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) C07D 241/04 (2006.01) C07D 295/15 (2006.01)**
[25] EN
[54] **LIPID NANOPARTICLES FOR OLIGONUCLEOTIDE DELIVERY**
[54] **NANOPARTICULES LIPIDIQUES POUR L'ADMINISTRATION D'OLIGONUCLEOTIDES**
[72] HAQUE AKM, ASHIQUL, BE
[72] VALEMBOIS, SOPHIE, BE
[72] MC CAFFERTY, SEAN, BE
[72] SAHU, ITISHRI, BE
[72] CARDON, CHRISTIAAN, BE
[71] ZIPHIUS NV, BE
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[54] **SYSTEMS, METHODS, AND APPARATUS FOR LIQUID FERTILIZER DRAWBACK**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR DEGRADATION D'ENGRAIS LIQUIDE**
[72] NOLTE, STEVE, US
[72] WILLIS, PHILIP, US
[72] WILLIAMS, DENNY, US
[72] FLUGUM, AUSTIN, US
[71] KINZE MANUFACTURING, INC., US
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[54] **METAL-CEMENT BASED CONCRETES AND METHODS FOR MAKING SAME**
[54] **BETONS A BASE DE METAL-CIMENT ET LEURS PROCEDES DE FABRICATION**
[72] RUSSELL, MATTHEW F., US
[71] RUSSELL, MATTHEW F., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/US2022/000023)
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[25] EN
[54] **NOVEL TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE (TDT) VARIANT AND USES THEREOF**
[54] **NOUVEAU VARIANT DE DESOXYRIBONUCLEOTIDYL-TRANSFERASE TERMINALE (TDT) ET UTILISATIONS CONNEXES**
[72] MCHALE, DANIEL, FR
[72] DEGROTTE, FLORENT, FR
[72] JAZIRI, FATEN, FR
[72] SOSKINE, MIKHAEL, FR
[72] SUNE, ELODIE, FR
[72] CHAMPION, ELISE, FR
[71] DNA SCRIPT, FR
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[54] **COMPOSITE FABRIC CONTAINING BIO-BASED FIBERS**
[54] **TISSU COMPOSITE CONTENANT DES FIBRES D'ORIGINE BIOLOGIQUE**
[72] KESHAVARAJ, RAMESH, US
[71] MILLIKEN & COMPANY, US
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[86] 2022-10-31 (PCT/US2022/048400)
[87] (WO2023/081093)
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[25] EN
[54] **III-V/SI HYBRID MOS OPTICAL MODULATOR WITH A TRAVELING-WAVE ELECTRODE**
[54] **MODULATEUR OPTIQUE MOS HYBRIDE III-V/SI DOTE D'UNE ELECTRODE A ONDES PROGRESSIVES**
[72] LI, QIANG, SG
[72] LUO, XIANSHU, SG
[71] ADVANCED MICRO FOUNDRY PTE. LTD., SG
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[25] EN
[54] **CONTACT FORCE CONTROLLING IN A TROLLEY-ASSISTED MINING VEHICLE**
[54] **COMMANDE DE FORCE DE CONTACT DANS UN VEHICULE D'EXPLOITATION MINIERE ASSISTE PAR UN CHARIOT**
[72] JUNTUNEN, RAIMO, FI
[72] VERHO, SAMULI, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-04-29
[86] 2023-04-03 (PCT/EP2023/058656)
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[25] EN
[54] **STRUCTURAL COMPONENT, WITH LOW EMISSIVITY MATERIALS, FOR USE IN A BUILDING STRUCTURE**
[54] **COMPOSANT STRUCTURAL, A MATERIAUX A FAIBLE EMISSIVITE, DESTINE A ETRE UTILISE DANS UNE STRUCTURE DE BATIMENT**
[72] ZAFARI, FARHAD, CA
[72] DEZEN, VIC, CA
[72] DE ZEN, COLBY, CA
[71] DEZEN, VIC, CA
[71] DE ZEN, COLBY, CA
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[25] EN
[54] **LOW NOISE BLOCK-DOWNCONVERTER SYSTEM**
[54] **SYSTEME DE BLOC-CONVERTISSEUR ABAISSEUR A FAIBLE BRUIT**
[72] KHOUDIAKOV, SERGUEI, CA
[72] GOUTERMAN, ALEXEI, CA
[72] REZVANI ABKENARI, MEHDI, CA
[71] ORBITAL RESEARCH LTD., CA
[85] 2024-04-29
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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 9/50 (2006.01) A61K 31/7105 (2006.01) A61K 31/7125 (2006.01) A61K 38/46 (2006.01) A61P 7/00 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING, AMELIORATING, OR TREATING SICKLE CELL DISEASE**
[54] **COMPOSITIONS ET METHODES DE PREVENTION, D'ATTENUATION OU DE TRAITEMENT DE LA DREPANOCYTOSE**
[72] LEAVITT, BLAIR, CA
[72] HILL, AUSTIN, CA
[72] WAGNER, PAMELA, CA
[72] CARON, NICHOLAS, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[71] INCISIVE GENETICS, INC., CA
[85] 2024-04-29
[86] 2022-11-02 (PCT/IB2022/060572)
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[30] US (63/274,630) 2021-11-02

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[51] **Int.Cl. C08J 11/14 (2006.01) C08J 11/22 (2006.01) C08J 11/28 (2006.01)**
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[54] **NEW METHOD FOR RECYCLING OF POLYURETHANE**
[54] **NOUVEAU PROCEDE DE RECYCLAGE DE POLYURETHANE**
[72] BORCHERS, GEORG, DE
[72] MULLER, HUBERT, DE
[72] RODER, JORG, DE
[72] HINRICHS-TONTRUP, NATALIA, DE
[72] MESS, BRIGITTE, DE
[72] FISCHER, MALTE, DE
[72] LAZAR, MARINA, DE
[72] BLESGEN, ANDREE, DE
[72] HILDEBRAND, JENS, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2024-04-29
[86] 2022-10-28 (PCT/EP2022/080259)
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[25] EN
[54] **USE OF SODIUM TRANS-[TETRACHLORIDOBIS(1H-INDAZOLE)RUTHENATE(III)] TO AMELIORATE PROTEASOME INHIBITOR RESISTANCE**
[54] **UTILISATION DE TRANS-[TETRACHLORIDOBIS (1H-INDAZOLE) RUTHENATE(III)] DE SODIUM POUR REMEDIER A LA RESISTANCE AUX INHIBITEURS DU PROTEASOME**
[72] RAHA, PAROMITA, CA
[72] BAZETT, MARK, CA
[72] MCALLISTER, EDWARD RUSSELL, CA
[72] PANKOVICH, JAMES, CA
[72] CRAWFORD, LISA, GB
[71] BOLD THERAPEUTICS INC., CA
[85] 2024-04-29
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[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING MYASTHENIA GRAVIS WITH TACI-FC FUSION PROTEIN**
[54] **METHODE DE TRAITEMENT DE LA MYASTHENIE GRAVE AVEC UNE PROTEINE DE FUSION TACI-FC**
[72] FANG, JIANMIN, CN
[72] WANG, WENXIANG, CN
[71] REMEGEN CO., LTD., CN
[85] 2024-04-29
[86] 2023-06-07 (PCT/CN2023/098731)
[87] (WO2023/236967)
[30] CN (202210644750.7) 2022-06-08

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[51] **Int.Cl. C21D 9/46 (2006.01) C22C 38/00 (2006.01) C22C 38/14 (2006.01) C22C 38/32 (2006.01)**
[25] EN
[54] **HOT-ROLLED STEEL SHEET, HOT-DIP COATED STEEL SHEET, AND METHOD FOR PRODUCING HOT-ROLLED STEEL SHEET**
[54] **TOLE D'ACIER LAMINEE A CHAUD, TOLE D'ACIER PLAQUEE PAR IMMERSION A CHAUD ET PROCEDE DE FABRICATION DE TOLE D'ACIER LAMINEE A CHAUD**
[72] HIRATA, KENTAROU, JP
[72] OKA, MASAHARU, JP
[72] SAKAKI, MASAHITO, JP
[72] SAITO, MAMORU, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-04-29
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[30] JP (2021-185120) 2021-11-12

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[13] A1
[51] **Int.Cl. B23K 23/00 (2006.01) B23K 37/06 (2006.01)**
[25] EN
[54] **FIELD-APPLIED SYSTEM AND METHOD TO PRODUCE THERMITE WELDS**
[54] **SYSTEME ET PROCEDE APPLIQUES SUR UN CHAMP POUR PRODUIRE DES SOUDURES ALUMINOTHERMIQUES**
[72] ROBLES HERNANDEZ, FRANCISCO CARLOS, US
[72] TAYLOR, SHELTON RAY, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
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[86] 2022-11-08 (PCT/US2022/049274)
[87] (WO2023/081510)
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[13] A1
[51] **Int.Cl. C07D 207/404 (2006.01)**
[25] EN
[54] **DEUTERATED FUNCTIONALIZED DERIVATIVES OF .ALPHA.-ALANINE, IN PARTICULAR FOR THE TREATMENT OF NEUROLOGICAL DISEASES**
[54] **DERIVES DE L'ALPHA-ALANINE, PROCEDE DE PREPARATION ET UTILISATION DE CELUI-CI**
[72] KAMINSKI, KRZYSZTOF, PL
[72] ABRAM, MICHAL, PL
[72] KAMINSKI, RAFAL, PL
[72] JAKUBIEC, MARCIN, PL
[71] UNIWERSYTET JAGIELLONSKI, PL
[85] 2024-04-29
[86] 2022-11-24 (PCT/PL2022/050083)
[87] (WO2023/096512)
[30] PL (P.439639) 2021-11-24

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[51] **Int.Cl. C22B 3/18 (2006.01)**
[25] EN
[54] **BIOREACTOR SYSTEM TO PRODUCE METAL**
[54] **SYSTEME DE BIOREACTEUR POUR PRODUIRE UN METAL**
[72] RODRIGUEZ, MARC, US
[71] ECOBIOME HOLDINGS, LLC, US
[85] 2024-04-29
[86] 2022-11-03 (PCT/US2022/079241)
[87] (WO2023/081773)
[30] US (63/275,058) 2021-11-03

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[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **MATERIAL COATED WITH A FUNCTIONAL COATING COMPRISING A HIGH-INDEX LAYER**
[54] **MATERIAU REVETU D'UN REVETEMENT FONCTIONNEL COMPRENANT UNE COUCHE HAUT INDICE**
[72] BARRES, THOMAS, FR
[72] TOUMAR, ALEXANDRA, FR
[72] RONDEAU, VERONIQUE, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2024-04-29
[86] 2022-11-18 (PCT/FR2022/052120)
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[30] FR (FR2112288) 2021-11-19

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[51] **Int.Cl. A21D 2/36 (2006.01) A21D 2/26 (2006.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **A METHOD TO OBTAIN A PROTEIN-RICH LUPIN FLOUR, A PROTEIN-RICH LUPIN FLOUR AND ITS USES THEREOF**
[54] **PROCEDE D'OBTENTION D'UNE FARINE DE LUPIN RICHE EN PROTEINES, FARINE DE LUPIN RICHE EN PROTEINES ET SES UTILISATIONS**
[72] NDIAYE, MBALO, FR
[72] GALET, OLIVIER, FR
[72] BIANEIS, MARINE, FR
[71] AVRIL, FR
[85] 2024-04-29
[86] 2022-12-01 (PCT/EP2022/083983)
[87] (WO2023/099636)
[30] EP (21306678.0) 2021-12-01

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[13] A1
[51] **Int.Cl. A61K 9/12 (2006.01) A61K 47/69 (2017.01) A61K 31/40 (2006.01) A61K 39/39 (2006.01)**
[25] EN
[54] **LIPID FORMULATIONS CONTAINING NUCLEIC ACIDS AND METHODS OF TREATMENT FOR CYSTIC FIBROSIS**
[54] **FORMULATIONS LIPIDIQUES CONTENANT DES ACIDES NUCLEIQUES ET METHODES DE TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] PEREZ-GARCIA, CARLOS G., US
[72] TACHIKAWA, KIYOSHI, US
[72] MATSUDA, DAIKI, US
[72] CHIVUKULA, PADMANABH, US
[72] KARMALI, PRIYA PRAKASH, US
[72] BAO, YANJIE, US
[72] VEGA, JEREL BOYD LEE, US
[72] MUKTHAVARAM, RAJESH, US
[72] SAGI, AMIT, US
[72] PEI, YIHUA, US
[71] ARCTURUS THERAPEUTICS, INC., US
[85] 2024-04-29
[86] 2022-11-03 (PCT/US2022/079244)
[87] (WO2023/081776)
[30] US (63/275,402) 2021-11-03

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[51] **Int.Cl. B65D 47/20 (2006.01) B65D 25/48 (2006.01)**
[25] EN
[54] **SEALING UNIT FOR A LIQUID CONTAINER**
[54] **UNITE D'ETANCHEITE POUR RECIPIENT LIQUIDE**
[72] GEBBINK, JEROEN GERRIT ANTON, NL
[72] KNUTSEN, RUNE KRISTIAN, NO
[71] SMARTSEAL AS, NL
[85] 2024-04-29
[86] 2022-10-31 (PCT/EP2022/080393)
[87] (WO2023/073237)
[30] NL (2029562) 2021-10-29

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[51] **Int.Cl. A61K 38/47 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **METHODS FOR USE OF VIRAL VECTOR CONSTRUCTS FOR THE TREATMENT OF FABRY DISEASE**
[54] **PROCEDES D'UTILISATION DE CONSTRUCTIONS DE VECTEURS VIRAUX POUR LE TRAITEMENT DE LA MALADIE DE FABRY**
[72] PASSALACQUA, CRISTOBAL, US
[72] HUSTON, MARSHALL, US
[72] SOUBERBIELLE, BERNARD, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2024-04-29
[86] 2022-11-03 (PCT/US2022/079249)
[87] (WO2023/081781)
[30] US (63/275,390) 2021-11-03
[30] US (63/373,826) 2022-08-29

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **IMMUNE CELLS WITH CHIMERIC ANTIGEN RECEPTORS OR CHIMERIC AUTOANTIBODY RECEPTORS**
[54] **CELLULES IMMUNITAIRES COMPRENANT RECEPTEURS ANTIGENIQUES CHIMERIQUES OU RECEPTEURS AUTO-ANTICORPS CHIMERIQUES**
[72] HIGGINS, JOSEPH J., US
[72] TABIBIAZAR, RAY, US
[72] HARANDI, OMID F., US
[72] NAVARRO, FRANCISCO, US
[72] HEMPHILL, JAMES B., US
[72] LAMORA, JOSHUA, US
[71] SALIOGEN THERAPEUTICS, INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/079288)
[87] (WO2023/081811)
[30] US (63/275,777) 2021-11-04

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[13] A1
[51] **Int.Cl. A62C 3/02 (2006.01) A62C 31/12 (2006.01) A62C 35/68 (2006.01) A62C 37/36 (2006.01) A62C 35/60 (2006.01)**
[25] EN
[54] **NETWORKS, SYSTEMS AND METHODS HAVING A HYDRATION PLAN CONTROL SYSTEM FOR WILDFIRE MITIGATION**
[54] **RESEAUX, SYSTEMES ET PROCEDES AYANT UN SYSTEME DE COMMANDE DE PLAN D'HYDRATATION POUR ATTENUER LES FEUX DE FORET**
[72] STATTER, HARRY A., US
[72] SIMMONS, MICHAEL L., US
[71] HAS LLC, US
[85] 2024-04-29
[86] 2022-11-02 (PCT/US2022/048742)
[87] (WO2023/081234)
[30] US (63/274,900) 2021-11-02

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[13] A1
[51] **Int.Cl. A01N 59/02 (2006.01) C05D 9/02 (2006.01) C09K 17/02 (2006.01)**
[25] EN
[54] **AGRICULTURAL METHODS AND USES FOR THE MODULATION OF REDOX POTENTIAL IN SOIL AND/OR PLANT TISSUE**
[54] **PROCEDES AGRICOLES ET UTILISATIONS POUR LA MODULATION DU POTENTIEL REDOX DANS LE SOL ET/OU LE TISSU VEGETAL**
[72] MUTEAU, REGIS, BE
[72] DE BAUW, PIETERJAN, BE
[72] TOMASI, ISABELLA, BE
[71] TESSENDERLO GROUP NV, BE
[85] 2024-04-29
[86] 2022-11-02 (PCT/EP2022/080560)
[87] (WO2023/078935)
[30] EP (21205868.9) 2021-11-02

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[13] A1
[51] **Int.Cl. A01D 34/74 (2006.01) A01D 34/66 (2006.01) A01D 34/685 (2006.01) A01D 34/78 (2006.01)**
[25] EN
[54] **THRUST-DRIVEN MOTION VEGETATION CUTTING DEVICE AND METHOD FOR CONTROLLING THE SAME**
[54] **DISPOSITIF DE COUPE DE VEGETATION A MOUVEMENT ENTRAINE PAR POUSSEE ET SON PROCEDE DE COMMANDE**
[72] KAVE, DENNIS MATTHEW, US
[72] KAVE, TYLER MATTHEW, US
[72] KAVE, LAUREN ANNE, US
[71] KAVE, DENNIS MATTHEW, US
[85] 2024-04-29
[86] 2022-11-03 (PCT/US2022/079191)
[87] (WO2023/081736)
[30] US (63/360,861) 2021-11-05

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[13] A1
[51] **Int.Cl. D02G 3/46 (2006.01) D03D 15/283 (2021.01) D03D 1/02 (2006.01) D03D 13/00 (2006.01)**
[25] EN
[54] **AIRBAG FABRICS WITH IMPROVED SEAM PERFORMANCE**
[54] **TISSUS POUR AIRBAG A PERFORMANCES DE COUTURE AMELIOREES**
[72] HUNT, NEIL, US
[72] OTT, JENNA, US
[72] VISWANATH, ANAND, US
[71] INVISTA TEXTILES (U.K.) LIMITED, GB
[85] 2024-04-29
[86] 2023-01-10 (PCT/IB2023/050220)
[87] (WO2023/144638)
[30] US (63/304,155) 2022-01-28

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[13] A1
[51] **Int.Cl. B43K 24/02 (2006.01) B43K 3/04 (2006.01) B43K 24/03 (2006.01) B43K 24/08 (2006.01)**
[25] EN
[54] **MECHANICAL PENCIL AND OPERATION METHOD THEREOF**
[54] **PORTEMINE ET SON PROCEDE DE FONCTIONNEMENT**
[72] SONG, YINGYING, CN
[71] WENZHOU JIANXI STATIONERY CO., LTD., CN
[85] 2024-04-29
[86] 2022-06-15 (PCT/CN2022/098831)
[87] (WO2023/071224)
[30] CN (202111274299.6) 2021-10-29
[30] CN (202111512533.4) 2021-12-11
[30] CN (202210296414.8) 2022-03-24

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01)**
[25] EN
[54] **MOBILE ELEMENTS AND CHIMERIC CONSTRUCTS THEREOF**
[54] **ELEMENTS MOBILES ET CONSTRUCTIONS CHIMERIQUES CORRESPONDANTES**
[72] HIGGINS, JOSEPH J., US
[72] TABIBIAZAR, RAY, US
[72] CRAIG, NANCY, US
[71] SALIOGEN THERAPEUTICS, INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/079292)
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[30] US (63/275,778) 2021-11-04
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[54] **METHOD FOR PREPARING MICROPARTICLES CONTAINING POORLY SOLUBLE DRUGS**
[54] **PROCEDE DE PREPARATION DE MICROPARTICULES CONTENANT DES MEDICAMENTS FAIBLEMENT SOLUBLES**
[72] KIM, JU HEE, KR
[71] INVENTAGE LAB INC., KR
[85] 2024-04-29
[86] 2022-11-17 (PCT/KR2022/018216)
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[54] **OPTO-ELECTRONIC DEVICE WITH NANOPARTICLE DEPOSITED LAYERS**
[54] **DISPOSITIF OPTOELECTRONIQUE AYANT DES COUCHES A DEPOT DE NANOPARTICULES**
[72] HELANDER, MICHAEL, CA
[72] WANG, ZHIBIN, CA
[72] CHANG, YI-LU, CA
[72] WANG, QI, CA
[71] OTI LUMIONICS INC., CA
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[54] **ALUMINIUM AND ZIRCONIUM-BASED MIXED OXIDE**
[54] **OXYDE MIXTE A BASE D'ALUMINIUM ET DE ZIRCONIUM**
[72] OHTAKE, NAOTAKA, JP
[72] NISHIMURA, KAORU, JP
[72] SASAKI, TOSHIHIRO, JP
[72] SHOZUI, TETSUYA, JP
[71] RHODIA OPERATIONS, FR
[85] 2024-04-29
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[54] **PHARMACEUTICAL KIT FOR PARENTERAL CO-ADMINISTRATION**
[54] **KIT PHARMACEUTIQUE POUR CO-ADMINISTRATION PARENTERALE**
[72] KIM, GEONHO, KR
[72] LEE, JINWOO, KR
[72] JUNG, HYEJUNG, KR
[72] CHOI, JAEMOOK, KR
[72] BYUN, JEONGSU, KR
[72] LEE, JUHAN, KR
[72] SEOL, EUNYOUNG, KR
[72] LEE, HEEYONG, KR
[71] G2GBIO, INC., KR
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[54] **PROCESSING AND GASIFICATION OF CONSTRUCTION AND DEMOLITION MATERIALS**
[54] **TRAITEMENT ET GAZEIFICATION DE MATERIAUX DE CONSTRUCTION ET DE DEMOLITION**
[72] SIMONPIETRI, MARIE-JOELLE, US
[72] WADAS, ZACHARY, US
[71] SIMONPIETRI ENTERPRISES LLC, US
[85] 2024-04-29
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[54] **SUSTAINED-RELEASE INJECTABLE COMPOSITION CONTAINING NALTREXONE AND METHOD FOR PREPARING SAME**
[54] **COMPOSITION INJECTABLE A LIBERATION PROLONGEE CONTENANT DE LA NALTREXONE ET SON PROCEDE DE PREPARATION**
[72] KIM, JU HEE, KR
[71] INVENTAGE LAB INC., KR
[85] 2024-04-29
[86] 2022-11-18 (PCT/KR2022/018258)
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[54] **SYSTEM AND METHOD FOR EVALUATING PATIENT DATA**
[54] **SYSTEME ET PROCEDE DESTINES A L'EVALUATION DE DONNEES DE PATIENT**
[72] DIMARCO, ANTHONY, US
[72] BURDE, JEFFREY, US
[72] GALASKEWICZ, ROBIN, US
[72] WONG, SHIH WEI, US
[72] FULARA, J?DREK, US
[72] MERRIT-LISH, CHRISTOPHER, US
[71] PHYXD INC., US
[85] 2024-04-29
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[30] US (63/273,039) 2021-10-28
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[54] **VALVE PRIMING AND DEPRIMING**
[54] **AMORCAGE ET DESAMORCAGE DE VALVE**
[72] KROSSCHELL, JUSTIN, US
[72] BURGERS, TRAVIS ALLEN, US
[72] WALTNER, DREW JOHN, US
[71] RAVEN INDUSTRIES, INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/048981)
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[54] **ZERO TRUST FILE INTEGRITY PROTECTION**
[54] **PROTECTION D'INTEGRITE DE FICHIER A CONFIANCE NULLE**
[72] GUPTA, PIYUSH, IN
[72] KHADE, PRATIK, IN
[72] AHUJA, ROHAN, IN
[71] VIRSEC SYSTEMS, INC., US
[85] 2024-04-29
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[51] **Int.Cl. A61J 1/14 (2006.01) B65D 41/10 (2006.01) B65D 41/22 (2006.01)**
[25] EN
[54] **DISINFECTING CAP**
[54] **CAPUCHON DE DESINFECTION**
[72] PUN, YUSHEK, US
[72] GUERRERO, JOSEPH, US
[72] REDFIELD, ALEXANDER VINCENT, US
[72] KELLEY, BRIDGET, US
[72] HYLAND, WILLIAM KYLE, US
[71] MEDLINE INDUSTRIES, LP, US
[85] 2024-04-29
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[54] **MEMORY HYBRID-DYNAMIC VULNERABILITY ASSESSMENT**
[54] **EVALUATION DE VULNERABILITE DYNAMIQUE HYBRIDE DE MEMOIRE**
[72] KIM, DANNY, US
[71] VIRSEC SYSTEMS, INC., US
[85] 2024-04-29
[86] 2022-12-29 (PCT/US2022/082511)
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[51] **Int.Cl. A61B 5/00 (2006.01)**
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[54] **DIAGNOSTIC AND TREATMENT METHODS FOR ONYCHOMYCOSIS**
[54] **METHODES DE DIAGNOSTIC ET DE TRAITEMENT DE L'ONYCHOMYCOSE**
[72] YAZDANIAN, SHOWKAT MONIKA, CA
[72] VAN-HAM, IRIT ITZHAKI, CA
[71] TOEFX INC., CA
[85] 2024-04-29
[86] 2023-07-28 (PCT/CA2023/051025)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING OROPHARYNGEAL CANCER**
[54] **COMPOSITIONS ET METHODES DE DETECTION DE CANCER OROPHARYNGE**
[72] TAYLOR, WILLIAM R., US
[72] KISIEL, JOHN B., US
[72] MAHONEY, DOUGLAS W., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[25] EN
[54] **COLD SCARIFICATION AND RECYCLING ASSEMBLY FOR RESTORING A ROAD PAVEMENT, METHODS FOR RESTORING A ROAD SURFACE WITH SUCH ASSEMBLY AND USE OF A MIXTURE OF BITUMEN OR A MIXTURE CONTAINING A HYDROCARBON BINDING AGENT IN SUCH ASSEMBL**
[54] **ENSEMBLE DE SCARIFICATION ET DE RECYCLAGE A FROID POUR RESTAURER UN REVETEMENT ROUTIER, PROCEDES DE RESTAURATION D'UNE SURFACE DE ROUTE AVEC UN TEL ENSEMBLE ET UTILISATION D'UN MELANGE DE BITUME OU D'UN MELANGE CONTENANT UN AGENT LIANT HYDROCARBONE DANS UN TEL ENSEMBL**
[72] RISI, MIRCO, IT
[71] SIMEX ENGINEERING S.R.L., IT
[85] 2024-04-29
[86] 2022-11-18 (PCT/IB2022/061130)
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[51] **Int.Cl. D01F 1/10 (2006.01) D01F 6/46 (2006.01) D01F 8/06 (2006.01) E01C 13/08 (2006.01)**
[25] EN
[54] **ARTIFICIAL TURF AND PRODUCTION METHOD**
[54] **GAZON ARTIFICIEL ET PROCEDE DE PRODUCTION**
[72] SICK, STEPHAN, DE
[71] POLYTEX SPORTBELAEGE PRODUKTIONS-GMBH, DE
[85] 2024-04-29
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[25] EN
[54] **APPENDING AMINES TO METAL ORGANIC FRAMEWORKS**
[54] **AJOUT D'AMINES A DES STRUCTURES ORGANOMETALLIQUES**
[72] ABNEY, CARTER W., US
[72] SEO, JULIE J., US
[72] QUAN, WENYING, US
[72] KOROS, WILLIAM J., US
[72] LIVELY, RYAN P., US
[72] PETERS, AARON W., US
[72] IVASHKO, ANNA C., US
[72] KAPELEWSKI, MATTHEW T., US
[72] WESTON, SIMON C., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
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[30] US (63/282,796) 2021-11-24

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[51] **Int.Cl. G06F 11/34 (2006.01) G06Q 10/06 (2023.01) G06F 11/00 (2006.01)**
[25] EN
[54] **SOFTWARE APPLICATION DEVELOPMENT TOOL FOR AUTOMATION OF MATURITY ADVANCEMENT**
[54] **OUTIL DE DEVELOPPEMENT D'APPLICATION LOGICIELLE PERMETTANT L'AUTOMATISATION DE L'AVANCEMENT DE MATURITE**
[72] CHONKAR, HEMENDRA, US
[72] OSTERMUELLER, ERIK, US
[72] SINHA, SHAMBHU, IN
[72] PRABHAKAR, JOSEPH, US
[71] FIDELITY INFORMATION SERVICES, LLC, US
[85] 2024-04-29
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[30] IN (202111049618) 2021-10-29
[30] US (17/551,522) 2021-12-15

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[51] **Int.Cl. F04B 43/08 (2006.01) F04B 15/02 (2006.01)**
[25] EN
[54] **FACILITATING CONTROL OF FLUID OR SLURRY MOVEMENT IN A COLLAPSIBLE TUBE**
[54] **FACILITATION DE LA COMMANDE DU DEPLACEMENT DE FLUIDE OU DE BOUE DANS UN TUBE PLIABLE**
[72] MCALISTER, STEVEN ALEXANDER, CA
[72] SOCCI, CARLO ALBERTO MARIA, CA
[71] SEPRO MINERAL SYSTEMS CORP., CA
[85] 2024-04-29
[86] 2022-11-01 (PCT/CA2022/051614)
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[30] US (63/274,871) 2021-11-02

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[51] **Int.Cl. A61C 7/08 (2006.01)**
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[54] **METHOD FOR FORMING AN ORAL APPLIANCE**
[54] **PROCEDE DE FORMATION D'UN APPAREIL BUCCAL**
[72] PHAN, LOC, US
[72] DINH, HUONG, US
[71] SMYLIO INC., US
[85] 2024-04-29
[86] 2022-11-07 (PCT/US2022/079421)
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[30] US (63/276,446) 2021-11-05

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 27/02 (2006.01) E21B 33/138 (2006.01) E21B 43/112 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL AND METHOD FOR PERFORATING A DOWNHOLE TUBULAR**
[54] **OUTIL DE FOND DE TROU ET PROCEDE DE PERFORATION D'UN ELEMENT TUBULAIRE DE FOND DE TROU**
[72] CORNELISSEN, ERIK KERST, NL
[72] VAN MOORSEL, SAM GERARD, NL
[72] VAN SCHIE, COEN, NL
[72] NEITELER, ROBERT JAN, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[87] (WO2023/083946)
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[51] **Int.Cl. D06F 39/04 (2006.01) A47L 15/42 (2006.01) A61L 2/12 (2006.01) D06F 58/26 (2006.01)**
[25] EN
[54] **APPARATUS FOR IMPROVED CLEANING USING MICROWAVE ENERGY**
[54] **APPAREIL POUR UN NETTOYAGE AMELIORE UTILISANT DE L'ENERGIE MICRO-ONDE**
[72] ROSSOUW, MATHYS JOHANNES, CH
[71] MICROWAVE SOLUTIONS GMBH, CH
[85] 2024-04-25
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[30] ZA (2021/06214) 2021-10-27

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[51] **Int.Cl. B01J 8/06 (2006.01) C01B 3/32 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **IMPROVED CATALYTIC REACTOR FOR THE CONVERSION OF CARBON DIOXIDE AND HYDROGEN TO SYNGAS**
[54] **REACTEUR CATALYTIQUE AMELIORE POUR LA CONVERSION DE DIOXYDE DE CARBONE ET D'HYDROGENE EN GAZ DE SYNTHESE**
[72] SCHUETZLE, DENNIS, US
[72] SCHUETZLE, ROBERT, US
[72] GALLOWAY, ANJA RUMPLECKER, US
[72] HANBURY, ORION, US
[72] BUCHER, JAMES, US
[72] RODRIGUEZ, RAMER, US
[71] INFINIUM TECHNOLOGY, LLC, US
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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVE DOCKING DEVICE**
[54] **DISPOSITIF D'ACCUEIL DE PROTHESE VALVULAIRE**
[72] SCHWARTZ, EVAN T., US
[72] NGUYEN, TRAM NGOC, US
[72] CHAU, JOCELYN, US
[72] CAO, HENGCHU, US
[72] PAWAR, SANDIP VASANT, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[30] US (63/363,382) 2022-04-21

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[13] A1
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[54] **COMPOUNDS AS GLP-1R AGONISTS**
[54] **COMPOSES UTILISES EN TANT QU'AGONISTES DE GLP-1R**
[72] LUEHR, GARY W., US
[72] REEVES, COREY, US
[72] ROMERO, F. ANTHONY, US
[72] JONES, CHRISTOPHER T., US
[72] FENAUX, MARTIJN, US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2024-04-25
[86] 2022-10-25 (PCT/US2022/047687)
[87] (WO2023/076237)
[30] US (63/263,003) 2021-10-25

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/19 (2015.01) A61K 38/01 (2006.01) A61K 38/36 (2006.01) G01N 33/50 (2006.01) G01N 33/567 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR WOUND HEALING**
[54] **COMPOSITIONS ET METHODES DE CICATRISATION DE PLAIES**
[72] BEHFAR, ATTA, US
[72] MORAN, STEVEN L., US
[72] PARADISE, BROOKE, US
[72] BECHER, LAURA, US
[72] PARADISE, CHRISTOPHER, US
[71] RION INC., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[86] 2022-10-25 (PCT/US2022/047721)
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[30] US (63/271,486) 2021-10-25

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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/505 (2006.01)**
[25] EN
[54] **HUMAN EFFICACIOUS DOSE AND DOSAGE SCHEDULE OF SPR720**
[54] **DOSE EFFICACE HUMAINE ET PROGRAMME DE DOSAGE DE SPR720**
[72] TALLEY, ANGELA, US
[72] MELNICK, DAVID, US
[71] SPERO THERAPEUTICS, INC., US
[85] 2024-04-25
[86] 2022-10-26 (PCT/US2022/047865)
[87] (WO2023/076369)
[30] US (63/272,052) 2021-10-26
[30] US (63/300,145) 2022-01-17

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[13] A1
[51] **Int.Cl. G01L 15/00 (2006.01)**
[25] EN
[54] **PATIENT POSITION MANAGEMENT DEVICE, SYSTEMS, METHODS OF USE, AND RELATED IMPROVEMENTS THEREOF**
[54] **DISPOSITIF DE GESTION DE POSITION DE PATIENT, SYSTEMES, METHODES D'UTILISATION ET AMELIORATIONS ASSOCIEES**
[72] GAYES, JAMES M., US
[72] SANDELL, LAURENCE M., US
[72] KIMMER, ROBERT J., US
[72] GAYES, DIANE, US
[72] SIGAKIS, MATTHEW, US
[71] OPAD AIRWAY INC., US
[85] 2024-04-25
[86] 2022-10-27 (PCT/US2022/048099)
[87] (WO2023/076525)
[30] US (63/272,655) 2021-10-27

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[13] A1
[51] **Int.Cl. B01D 61/18 (2006.01) B01D 69/12 (2006.01) G01N 33/48 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **ARTICLES AND METHODS FOR PLASMA SEPARATION**
[54] **ARTICLES ET PROCEDES DE SEPARATION DE PLASMA**
[72] MACE, CHARLES R., US
[72] MORBIOLI, GIORGIO GIANINI, US
[72] BAILLARGEON, KEITH, US
[71] TRUSTEES OF TUFTS COLLEGE, US
[85] 2024-04-25
[86] 2022-10-28 (PCT/US2022/048205)
[87] (WO2023/076585)
[30] US (63/273,740) 2021-10-29
[30] US (63/292,274) 2021-12-21

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[13] A1
[51] **Int.Cl. B31B 70/62 (2017.01) B31B 70/10 (2017.01) B31B 70/16 (2017.01) B31B 70/26 (2017.01) B31D 5/00 (2017.01) B31F 5/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MAKING A POUCH PACKAGE**
[54] **APPAREIL ET PROCEDE DE FABRICATION D'EMBALLAGE DE TYPE POCHETTE**
[72] TONEFF, STEVEN M., US
[72] CHEICH, ROBERT C., US
[72] WAGNER, DENNIS J., US
[72] STINARD, BRIAN J., US
[72] YAKUBOUSKI, STANISLAU, US
[71] RANPAK CORP., US
[85] 2024-04-25
[86] 2022-10-28 (PCT/US2022/048281)
[87] (WO2023/076628)
[30] US (63/263,205) 2021-10-28

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[51] **Int.Cl. H04L 1/08 (2006.01) H04W 74/08 (2024.01)**
[25] EN
[54] **ADAPTIVE TRANSMISSION MANAGEMENT BASED ON LINK LATENCY**
[54] **GESTION DE TRANSMISSION ADAPTATIVE BASEE SUR UNE LATENCE DE LIAISON**
[72] BARTIER, JEROME, US
[72] MONIER, FABRICE, US
[72] KHALED, YACINE, US
[71] ITRON, INC., US
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[86] 2022-11-10 (PCT/US2022/049568)
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[30] US (17/527,020) 2021-11-15

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[51] **Int.Cl. A61B 17/34 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR POSITIONING, IMPLANTING AND USING A STIMULATION LEAD**
[54] **APPAREIL ET METHODE DE POSITIONNEMENT, D'IMPLANTATION ET D'UTILISATION D'UN FIL DE STIMULATION**
[72] BOGGS, JOSEPH W., II, US
[72] WONGSARNPIGOON, AMORN, US
[72] DEBOCK, MATTHEW G., US
[72] MCGEE, MEREDITH J., US
[72] SELL, DEVIN, US
[72] STROTHER, ROBERT B., US
[72] GROSZEK, JOEY, US
[72] CROSBY, NATHAN D., US
[71] SPR THERAPEUTICS, INC., US
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[54] **CATHETER BALLOON HAVING SEGMENTS OF VARYING COMPLIANCE**
[54] **BALLONNET DE CATHETER AYANT DES SEGMENTS DE CONFORMITE VARIABLE**
[72] ZHU, YIDONG M., US
[72] BULMAN, ERIK, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-04-25
[86] 2022-11-29 (PCT/US2022/051159)
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[25] EN
[54] **ENGINEERED SIRP.ALPHA. VARIANTS AND METHODS OF USE THEREOF**
[54] **VARIANTS SIRP.ALPHA. MODIFIES ET LEURS METHODES D'UTILISATION**
[72] WANG, JIIN-TARNG, TW
[72] TENG, HAN-FANG, TW
[72] KUO, PAN-HSIEN, TW
[72] TSENG, CHI-LING, TW
[72] JUO, ZONG SEAN, TW
[71] FBD BIOLOGICS LIMITED, CN
[85] 2024-04-25
[86] 2022-12-09 (PCT/US2022/052373)
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[51] **Int.Cl. A61F 2/24 (2006.01)**
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[54] **SYSTEMS AND TECHNIQUES FOR HEART VALVE LEAFLET REPAIR**
[54] **SYSTEMES ET TECHNIQUES DE REPARATION DE FEUILLET VALVULAIRE DE VALVULE CARDIAQUE**
[72] CHAU, MARK, US
[72] OBA, TRAVIS ZENYO, US
[72] SHAFIGH, SAM, US
[72] RABBAH, JEAN-PIERRE MICHEL, US
[72] TAYLOR, DAVID M., US
[72] MARCHAND, PHILIPPE, CA
[72] KUKURA, MADISON PAIGE, US
[72] HERNANDEZ, CRISTOBAL R., US
[72] KHUU, NANCY HOANG, US
[72] DEUSCHL, FLORIAN GEORG, US
[72] DAS, BISWA PRAKASH, US
[72] MAY, ANDREW CHARLES, US
[72] AMIN, BHUMICA A., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[25] EN
[54] **INECTABLE PHARMACEUTICAL COMPOSITION FOR TRAETMENT OF BREAST CANCER**
[54] **COMPOSITION PHARMACEUTIQUE INECTABLE POUR LE TRAITEMENT DU CANCER DU SEIN**
[72] PUROHIT, PARVA YOGESHCHANDRA, IN
[72] SANGLE, GANESH VISHWANATH, IN
[72] MEHTA, SANDIP PARESHBHAI, IN
[72] UNADKAT, VISHAL BHARATBHAI, IN
[72] PANDYA, HETA NISHIL, IN
[72] VEKARIYA, SAGAR LAXMANBHAI, IN
[71] KASHIV BIOSCIENCES, LLC, US
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[25] EN
[54] **PERMISSION MONITORING AND DATA EXCHANGE**
[54] **SURVEILLANCE D'AUTORISATION ET ECHANGE DE DONNEES**
[72] BORSATO, EMERSON PAULO, US
[72] MILLER, WALTER TIMOTHY, US
[72] PIERCE, JONI HANSEN, US
[71] CONSENT VAULT INC., US
[85] 2024-04-25
[86] 2022-05-04 (PCT/US2022/072108)
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[30] US (63/184,042) 2021-05-04
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[51] **Int.Cl. E21B 17/10 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **CENTRALIZERS FOR PRODUCTION TUBING**
[54] **CENTREURS POUR TUBE DE PRODUCTION**
[72] NEASE, MARK, US
[71] 360 RESEARCH LABS, LLC, US
[85] 2024-04-25
[86] 2022-10-10 (PCT/US2022/077857)
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[51] **Int.Cl. A61C 19/06 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS OF TREATING ORAL TISSUES**
[54] **DISPOSITIFS ET PROCEDES DE TRAITEMENT DE TISSUS BUCCAUX**
[72] JOHNSON, RICHARD, US
[71] PERIOTECH, LLC, US
[85] 2024-04-25
[86] 2022-10-25 (PCT/US2022/078651)
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[25] EN
[54] **TECHNOLOGIES FOR REDUCING THE VISCOSITY OF CRUDE OIL**
[54] **TECHNOLOGIES DE REDUCTION DE VISCOSITE DE BRUT LOURD**
[72] WOOD, JAMES, US
[72] TREVINO, SERGIO, MX
[71] SOUTHWEST RESEARCH INSTITUTE, US
[85] 2024-04-25
[86] 2022-10-26 (PCT/US2022/078675)
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[25] EN
[54] **A GRANULAR BIOSTIMULANT AS PLANT GROWTH PROMOTER, PROCESSES FOR PREPARING THE SAME AND USES THEREOF**
[54] **BIOSTIMULANT GRANULAIRE UTILISE EN TANT QUE PROMOTEUR DE LA CROISSANCE DES PLANTES, PROCEDES DE PREPARATION DE CELUI-CI ET UTILISATIONS DE CELUI-CI**
[72] PIETARINEN, SUVI, FI
[72] LEONARDI, GIULIANO, AT
[72] HUBSCH, CHRISTIAN, FI
[71] UPM-KYMMENE CORPORATION, FI
[71] GREEN INNOVATION GMBH, AT
[85] 2024-04-24
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[51] **Int.Cl. H01Q 15/08 (2006.01) H01Q 1/00 (2006.01) H01Q 1/42 (2006.01) H01Q 15/00 (2006.01) H01Q 19/00 (2006.01) H01Q 19/06 (2006.01)**
[25] EN
[54] **LENS FOR ELECTROMAGNETIC WAVES BASED ON ARTIFICIAL DIELECTRIC MATERIAL**
[54] **LENTILLE ELECTROMAGNETIQUE A BASE DE MATERIAU DIELECTRIQUE ARTIFICIEL**
[72] LI, ZIMENG, CN
[71] GUANGZHOU SIGTENNA TECHNOLOGY CO., LTD., CN
[85] 2024-04-23
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[25] EN
[54] **A POWDER FOR USE IN THE NEGATIVE ELECTRODE OF A BATTERY, A METHOD FOR PREPARING SUCH A POWDER AND A BATTERY COMPRISING SUCH A POWDER**
[54] **POUDRE DESTINEE A ETRE UTILISEE DANS L'ELECTRODE NEGATIVE D'UNE BATTERIE, PROCEDE DE PREPARATION D'UNE TELLE POUDRE ET BATTERIE COMPRENANT UNE TELLE POUDRE**
[72] MOEREMANS, BOAZ, BE
[72] BRIDEL, JEAN-SEBASTIEN, BE
[72] MARX, NICOLAS, BE
[71] UMICORE, BE
[85] 2024-04-25
[86] 2022-10-27 (PCT/EP2022/080056)
[87] (WO2023/073089)
[30] EP (21205537.0) 2021-10-29

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[51] **Int.Cl. B01D 69/02 (2006.01) C12N 1/02 (2006.01) C12Q 1/06 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **DEVICES FOR CELL SEPARATION**
[54] **DISPOSITIFS DE SEPARATION DE CELLULES**
[72] LING, JIAN, US
[72] WELLINGHOFF, STEPHEN T., US
[72] CANTU, CARLOS MARTIN, US
[72] FERNANDEZ, ANGELICA, US
[71] SOUTHWEST RESEARCH INSTITUTE, US
[85] 2024-04-25
[86] 2022-10-27 (PCT/US2022/078750)
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[51] **Int.Cl. C12N 9/88 (2006.01) A61K 38/51 (2006.01)**
[25] EN
[54] **ENGINEERED LEUCINE DECARBOXYLASES**
[54] **LEUCINE DECARBOXYLASES MODIFIEES**
[72] ASFAHA, JONATHAN BENJAMIN, US
[72] DAS, SUBHAMOY, US
[72] DU, FAYE LOAN, US
[72] JENNE, STEPHAN, US
[72] KRUSE, NIKKI D., US
[72] LIU, JOYCE, US
[72] MCCLUSKIE, KERRYN, US
[72] MEHMOOD, ROASA, US
[72] SILVERMAN, ADAM P., US
[72] VALLIEU, KRISTEN JEAN, US
[71] CODEXIS, INC., US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079089)
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[30] US (63/274,395) 2021-11-01

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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 39/00 (2006.01) A61M 60/00 (2021.01) A61M 60/122 (2021.01) A61M 60/88 (2021.01) A61M 39/08 (2006.01)**
[25] EN
[54] **ELECTRIC AND FLUIDIC CABLES**
[54] **CABLES ELECTRIQUES ET FLUIDIQUES**
[72] BAZDANES, CHRISTOPHER THEODORE, US
[72] SCHAEFER, ROBERT, US
[72] ROY, VINCENT, US
[72] JAHANGIR, EMILIA, US
[71] ABIOMED, INC., US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/048588)
[87] (WO2023/081155)
[30] US (63/274,829) 2021-11-02
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[51] **Int.Cl. A63F 9/08 (2006.01) A63H 33/04 (2006.01) A63H 33/26 (2006.01)**
[25] EN
[54] **TRIPLE INVERSION GEOMETRIC TRANSFORMATIONS**
[54] **TRANSFORMATIONS GEOMETRIQUES A TROIS OPTIONS DE RETOURNEMENT**
[72] HOENIGSCHMID, ANDREAS, US
[71] HOENIGSCHMID, ANDREAS, US
[85] 2024-04-30
[86] 2023-05-23 (PCT/US2023/023284)
[87] (WO2024/043961)
[30] US (17/821,178) 2022-08-21

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[51] **Int.Cl. A61M 1/36 (2006.01) G01R 31/52 (2020.01) A61M 5/50 (2006.01) A61N 1/08 (2006.01) G05B 9/02 (2006.01)**
[25] EN
[54] **GROUNDING ASSURANCE AND VOLTAGE-TO-PATIENT DETECTION FOR PATIENT SAFETY**
[54] **GARANTIE DE MISE A LA TERRE ET DETECTION DE LA TENSION APPLIQUEE AU PATIENT POUR LA SECURITE DU PATIENT**
[72] MILLER, PATRICK, US
[71] NXSTAGE MEDICAL, INC., US
[85] 2024-04-25
[86] 2022-10-27 (PCT/US2022/078766)
[87] (WO2023/091848)
[30] US (63/281,873) 2021-11-22

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER WITH A COMBINATION OF AN ANTI-PD-1 ANTIBODY AND AN ANTI-CD30 ANTIBODY-DRUG CONJUGATE**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE D'UNE ASSOCIATION D'UN ANTICORPS ANTI-PD-1 ET D'UN CONJUGUE ANTICORPS ANTI-CD30-MEDICAMENT**
[72] HEISER, RYAN, US
[72] KNOWLES, SCOTT, US
[72] PUHLMANN, MARKUS, US
[71] SEAGEN INC., US
[85] 2024-04-25
[86] 2022-10-27 (PCT/US2022/078767)
[87] (WO2023/076989)
[30] US (63/273,411) 2021-10-29

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[51] **Int.Cl. A61K 38/00 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **NOVEL PROTEINS**
[54] **NOUVELLES PROTEINES**
[72] ASHFIELD, REBECCA, GB
[72] HUXLEY, PHILIP, GB
[71] DUCENTIS BIOTHERAPEUTICS LIMITED, GB
[85] 2024-04-30
[86] 2022-11-03 (PCT/GB2022/052764)
[87] (WO2023/079278)
[30] GB (2115803.5) 2021-11-03

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[51] **Int.Cl. B60L 53/12 (2019.01) H02J 50/10 (2016.01) B60L 53/20 (2019.01) B60L 53/24 (2019.01) B60L 53/62 (2019.01) B60L 53/66 (2019.01) H02J 7/02 (2016.01)**
[25] EN
[54] **INTEGRATED WIRELESS CHARGING BOOST RECTIFIER FOR ELECTRIC VEHICLES**
[54] **REDRESSEUR DE SURALIMENTATION SANS FIL INTEGRE POUR VEHICULES ELECTRIQUES**
[72] SEMSAR, SEPEHR, CA
[72] LEHN, PETER WALDEMAR, CA
[72] LUO, ZHICHAO, CA
[72] NIE, SHUANG, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[71] ELEAPPOWER LTD., CA
[85] 2024-04-26
[86] 2022-10-26 (PCT/CA2022/051592)
[87] (WO2023/070215)
[30] US (63/271,938) 2021-10-26

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[51] **Int.Cl. A61B 5/06 (2006.01) A61B 34/10 (2016.01) A61M 60/867 (2021.01)**
[25] EN
[54] **FLUORO-LESS SYSTEM AND METHOD FOR DELIVERING CATHETER-BASED BLOOD PUMPS**
[54] **SYSTEME ET PROCEDE SANS FLUOR POUR LA MISE EN PLACE DE POMPES D'ASSISTANCE CIRCULATOIRE A CATHETER**
[72] ROY, VINCENT, US
[71] ABIOMED, INC., US
[85] 2024-04-30
[86] 2022-11-02 (PCT/US2022/048660)
[87] (WO2023/081182)
[30] US (63/275,561) 2021-11-04

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[51] **Int.Cl. A23G 1/44 (2006.01) A23L 11/50 (2021.01) A23G 1/48 (2006.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **A CHOCOLATE PRODUCT COMPRISING A MILK ANALOGUE PRODUCT**
[54] **PRODUIT DE CHOCOLAT COMPRENANT UN PRODUIT ANALOGUE AU LAIT**
[72] WOOSTER, TIMOTHY JAMES, CH
[72] CELIGUETA TORRES, ISABEL, GB
[72] KAMMERHOFER, JANA CHRISTINA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-04-30
[86] 2022-11-15 (PCT/EP2022/081945)
[87] (WO2023/084108)
[30] EP (21208241.6) 2021-11-15
[30] EP (21215318.3) 2021-12-16

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[13] A1
[51] **Int.Cl. B65H 29/24 (2006.01) B65H 39/14 (2006.01)**
[25] EN
[54] **TRANSFER PUCK WITH COMPRESSIBLE SURFACE MEMBER**
[54] **GALET PRESSEUR DE TRANSFERT A ELEMENT DE SURFACE COMPRESSIBLE**
[72] SCHWARTZ, CHRISTOPHER A., US
[72] HORNESS, DARREN R., US
[72] FRITZ, JEFFREY W., US
[72] GIFFEY, ZACHARY J., US
[72] RAMMER, MEGAN A., US
[71] CURT G. JOA, INC., US
[85] 2024-04-30
[86] 2022-12-08 (PCT/US2022/081155)
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[30] US (63/265,124) 2021-12-08

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[51] **Int.Cl. C07F 9/6524 (2006.01) A61K 51/04 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **RADIOLABLED COMPOUND, AND PRECURSOR COMPOUND THEREOF, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
[54] **COMPOSE RADIOMARQUEUR ET COMPOSE PRECURSEUR CONNEXE, METHODE DE PREPARATION ET APPLICATION CONNEXE**
[72] CHEN, YUE, CN
[72] WANG, YINGWEI, CN
[72] WANG, QIXIN, CN
[72] QIU, LIN, CN
[72] FENG, YUE, CN
[72] WANG, LI, CN
[72] CHEN, ZAN, CN
[72] YANG, JIAN, CN
[72] PENG, DENGSAI, CN
[72] LIU, GUANGFU, CN
[72] XU, TINGTING, CN
[72] XING, NAIGUO, CN
[72] LIU, HANXIANG, CN
[71] THE AFFILIATED HOSPITAL OF SOUTHWEST MEDICAL UNIVERSITY, CN
[85] 2024-04-26
[86] 2022-01-06 (PCT/CN2022/070444)
[87] (WO2023/092830)
[30] CN (202111419244.X) 2021-11-26

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[51] **Int.Cl. H04W 8/08 (2009.01)**
[25] EN
[54] **PROTOCOL DATA UNIT (PDU) SESSION INFORMATION FOR DIFFERENT NETWORK SERVICE TYPES**
[54] **INFORMATIONS DE SESSION D'UNITE DE DONNEES DE PROTOCOLE (PDU) POUR DIFFERENTS TYPES DE SERVICES DE RESEAU**
[72] TAN, JIE, CN
[72] DAI, BO, CN
[72] SHA, XIUBIN, CN
[72] LU, TING, CN
[72] GAO, YUAN, CN
[71] ZTE CORPORATION, CN
[85] 2024-04-26
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[51] **Int.Cl. C12N 15/10 (2006.01) G16H 50/00 (2018.01) G16B 20/30 (2019.01) G16B 25/10 (2019.01) G06N 3/08 (2023.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IDENTIFYING GENES ASSOCIATED WITH BIOSYNTHETIC GENE CLUSTERS**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION DE GENES ASSOCIES A DES GROUPES DE GENES BIOSYNTHETIQUES**
[72] HADJITHOMAS, MICHALIS, US
[72] WYKA, STEPHEN ANDREW, US
[72] KIM, JINWOO, US
[72] LIN, YU-CHENG, US
[72] MCFADYEN, IAIN JAMES, US
[72] VERDINE, GREG, US
[71] LIFEMINE THERAPEUTICS, INC., US
[85] 2024-04-30
[86] 2022-11-04 (PCT/US2022/049016)
[87] (WO2023/081396)
[30] US (63/263,638) 2021-11-05
[30] US (63/278,065) 2021-11-10

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[13] A1
[51] **Int.Cl. C01B 39/38 (2006.01) B01J 29/40 (2006.01)**
[25] EN
[54] **ZSM-5 MOLECULAR SIEVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF, HYDROTREATMENT CATALYST, HYDRODEWAXING CATALYST, AND APPLICATIONS THEREOF**
[54] **TAMIS MOLECULAIRE ZSM-5, SON PROCEDE DE PREPARATION ET APPLICATION ASSOCIEE, CATALYSEUR D'HYDROTRAITEMENT, CATALYSEUR D'HYDRODEPARAFFINAGE ET APPLICATIONS ASSOCIEES**
[72] HAO, WENYUE, CN
[72] LIU, CHANG, CN
[72] GUO, JUNHUI, CN
[72] CAO, JUNFENG, CN
[72] WANG, FENGLAI, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS CO., LTD., CN
[85] 2024-04-26
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[87] (WO2023/072237)
[30] CN (202111269100.0) 2021-10-29

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-TNFR2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-TNFR2 ET LEURS UTILISATIONS**
[72] YANG, YONGFEI, CN
[72] CAO, SHUZHEN, CN
[72] ZHANG, JING, CN
[72] SHAO, ZHE, CN
[72] JIANG, XUEYUAN, CN
[71] BIOCYTOGEN PHARMACEUTICALS (BEIJING) CO., LTD., CN
[85] 2024-04-26
[86] 2022-12-22 (PCT/CN2022/140958)
[87] (WO2023/116813)
[30] CN (PCT/CN2021/140487) 2021-12-22

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[13] A1
[51] **Int.Cl. H01M 50/204 (2021.01) H01M 50/242 (2021.01) H01M 50/264 (2021.01)**
[25] EN
[54] **BATTERY PACK**
[54] **BLOC-BATTERIE**
[72] LEE, JAE HYUN, KR
[72] SHIN, JU HWAN, KR
[72] LEE, HYOUNG SUK, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-04-30
[86] 2023-05-16 (PCT/KR2023/006608)
[87] (WO2023/224354)
[30] KR (10-2022-0059860) 2022-05-16

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[13] A1
[51] **Int.Cl. H01M 4/13 (2010.01) C01B 32/00 (2017.01) H01M 4/62 (2006.01)**
[25] EN
[54] **NEW CONDUCTIVE ADDITIVE IN LITHIUM AND SODIUM BATTERIES**
[54] **NOUVEL ADDITIF CONDUCTEUR DANS DES BATTERIES AU LITHIUM ET AU SODIUM**
[72] VAN RAALTEN, RUTGER ALEXANDER DAVID, NL
[72] SORDI, DANIELA, NL
[72] TEN DAM, JEROEN, NL
[71] CARBONX B.V., NL
[85] 2024-04-26
[86] 2022-10-25 (PCT/EP2022/079747)
[87] (WO2023/072917)
[30] EP (21204834.2) 2021-10-26

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[13] A1
[51] **Int.Cl. G06V 10/143 (2022.01) G06V 10/20 (2022.01) G06V 10/26 (2022.01) G06V 10/44 (2022.01) G06V 10/778 (2022.01) G06V 10/80 (2022.01) G06V 10/82 (2022.01) F16C 19/00 (2006.01) F16C 19/52 (2006.01) F16C 33/32 (2006.01) F16C 33/34 (2006.01)**
[25] EN
[54] **SYSTEM FOR TRAINING A DEEP-LEARNING ALGORITHM AND ASSOCIATED METHOD**
[54] **SYSTEME D'APPRENTISSAGE D'UN ALGORITHME D'APPRENTISSAGE PROFOND ET PROCEDE ASSOCIE**
[72] CARREROT, HERVE, FR
[72] HEBRARD, YOANN, FR
[71] SKF AEROSPACE FRANCE S.A.S., FR
[71] AKTIEBOLAGET SKF, SE
[85] 2024-04-26
[86] 2022-10-26 (PCT/EP2022/079878)
[87] (WO2023/078747)
[30] FR (FR2111796) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SPECIFIC CONJUGATION FOR AN ANTIBODY-DRUG CONJUGATE**
[54] **CONJUGAISON SPECIFIQUE POUR UN CONJUGUE ANTICORPS-MEDICAMENT**
[72] ZHAO, ROBERT, US
[72] YANG, QINGLIANG, CN
[72] YE, HANGBO, CN
[72] JIA, JUNXIANG, CN
[72] ZHANG, LINGLI, CN
[72] HUANG, YUANYUAN, CN
[72] LI, WENJUN, CN
[72] WANG, JUAN, CN
[72] GUO, HUIHUI, CN
[72] YE, ZHICANG, CN
[72] ZHAO, LINYAO, CN
[72] BAI, LU, CN
[72] LIU, XIAOLEI, CN
[71] HANGZHOU DAC BIOTECH CO., LTD., CN
[85] 2024-04-30
[86] 2022-11-02 (PCT/CN2022/129122)
[87] (WO2023/078273)
[30] CN (PCT/CN2021/128453) 2021-11-03
[30] CN (PCT/CN2022/123901) 2022-10-08

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B66C 1/10 (2006.01) B66C 1/66 (2006.01) B66C 17/04 (2006.01)**
[25] EN
[54] **STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE**
[72] STUHAUG, RAGNAR, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-04-30
[86] 2022-07-29 (PCT/EP2022/071443)
[87] (WO2023/072447)
[30] NO (20211317) 2021-11-01

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[13] A1
[51] **Int.Cl. A61K 31/4418 (2006.01) A61K 31/496 (2006.01) A61K 31/519 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **NEW THERAPEUTIC COMBINATIONS FOR THE TREATMENT OF PROGRESSIVE FIBROSING INTERSTITIAL LUNG DISEASES**
[54] **NOUVELLES COMBINAISONS THERAPEUTIQUES POUR LE TRAITEMENT DE PNEUMOPATHIES INTERSTITIELLES FIBROSANTES PROGRESSIVES**
[72] HESSLINGER, CHRISTIAN, DE
[72] BAUER, VERENA, DE
[72] BOSSERT, SEBASTIAN MARTIN, DE
[72] KOBER, SUSAN, DE
[72] LIU, YI, US
[72] NICKOLAUS, PETER, DE
[72] SARNO, MARIA, DE
[72] VOSS, FLORIAN, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2024-04-26
[86] 2022-12-08 (PCT/EP2022/084972)
[87] (WO2023/104961)
[30] US (63/287,641) 2021-12-09
[30] EP (21218207.5) 2021-12-29
[30] EP (22177757.6) 2022-06-08

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[13] A1
[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/14 (2006.01)**
[25] EN
[54] **PROCESS FOR OBTAINING PROTEINS FROM HEMP**
[54] **PROCEDE D'OBTENTION DE PROTEINES A PARTIR DE CHANVRE**
[72] ULLMANN, DETLEF, DE
[72] KRIENKE, DOMINIK, DE
[72] MANNWEILER, KLAUS, DE
[72] HRUSCHKA, STEFFEN, DE
[71] GEA WESTFALIA SEPARATOR GROUP GMBH, DE
[85] 2024-04-26
[86] 2022-11-08 (PCT/EP2022/081050)
[87] (WO2023/079159)
[30] DE (10 2021 128 968.8) 2021-11-08

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[13] A1
[51] **Int.Cl. B42D 25/23 (2014.01) B42D 25/24 (2014.01) B42D 25/351 (2014.01) B42D 25/41 (2014.01) B41M 3/14 (2006.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A SECURITY SHEET AND A SECURITY SHEET**
[54] **PROCEDE DE FABRICATION D'UNE FEUILLE DE SECURITE ET FEUILLE DE SECURITE**
[72] MARTINS, ANNALISE, GB
[72] QUAINTON, SIMON, GB
[72] HUSMANN, CHRISTOPH, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2024-04-26
[86] 2022-11-22 (PCT/EP2022/082761)
[87] (WO2023/089190)
[30] GB (2116783.8) 2021-11-22

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[13] A1
[51] **Int.Cl. A61J 11/00 (2006.01)**
[25] EN
[54] **NIPPLE AND NIPPLE ASSEMBLY**
[54] **TETINE ET ENSEMBLE TETINE**
[72] BILTON, SIMON LEWIS, GB
[72] KANE, GRACE MCALPINE, GB
[72] KETTYLE, MATTHEW SCOTT, GB
[72] PARKINSON, BLAKE JOHN, GB
[72] CUDWORTH, NICHOLAS, GB
[72] HUME, JOSHUA, GB
[71] MAYBORN (UK) LIMITED, GB
[85] 2024-04-30
[86] 2022-11-11 (PCT/GB2022/052862)
[87] (WO2023/084231)
[30] GB (2116375.3) 2021-11-12

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[13] A1
[51] **Int.Cl. A61J 11/00 (2006.01)**
[25] EN
[54] **NIPPLE AND NIPPLE ASSEMBLY**
[54] **TETINE ET ENSEMBLE TETINE**
[72] BILTON, SIMON LEWIS, GB
[72] KANE, GRACE MCALPINE, GB
[72] KETTYLE, MATTHEW SCOTT, GB
[72] PARKINSON, BLAKE JOHN, GB
[72] CUDWORTH, NICHOLAS, GB
[71] MAYBORN (UK) LIMITED, GB
[85] 2024-04-30
[86] 2022-11-11 (PCT/GB2022/052863)
[87] (WO2023/084232)
[30] GB (2116379.5) 2021-11-12

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[13] A1
[51] **Int.Cl. G16B 15/20 (2019.01) G16B 5/00 (2019.01) G16B 30/00 (2019.01) G16B 35/20 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POLYMER SEQUENCE PREDICTION**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DE SEQUENCE DE POLYMERE**
[72] MCWHIRTER, JAMES LIAM, CA
[72] LAKATOS, GREGORY, CA
[72] DIXIT, SURJIT BHIMARAO, CA
[72] MUKHOPADHYAY, ABHISHEK, CA
[72] FARBER, PATRICK, CA
[71] ZYMEWORKS BC INC., CA
[85] 2024-04-30
[86] 2022-11-01 (PCT/CA2022/051613)
[87] (WO2023/070230)
[30] US (63/274,403) 2021-11-01

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[13] A1
[51] **Int.Cl. A61J 11/00 (2006.01)**
[25] EN
[54] **INFANT FEEDING ASSEMBLY AND METHOD OF STERILISING**
[54] **ENSEMBLE D'ALIMENTATION POUR NOURRISSONS ET PROCEDE DE STERILISATION**
[72] HUME, JOSHUA, GB
[72] CUDWORTH, NICHOLAS, GB
[72] BILTON, SIMON LEWIS, GB
[72] KETTYLE, MATTHEW SCOTT, GB
[71] MAYBORN (UK) LIMITED, GB
[85] 2024-04-30
[86] 2022-11-11 (PCT/GB2022/052874)
[87] (WO2023/084241)
[30] GB (2116378.7) 2021-11-12

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[13] A1
[51] **Int.Cl. A23J 3/22 (2006.01) A23L 29/256 (2016.01) A23P 30/10 (2016.01) A23J 3/26 (2006.01)**
[25] EN
[54] **VEGAN SEAFOOD SUBSTITUTE PRODUCT**
[54] **PRODUIT VEGAN DE SUBSTITUTION AUX FRUITS DE MER**
[72] SCHNEIDER, WOLFGANG, DE
[72] GERDES, ANNIKA, DE
[72] SPORKA, RADOVAN, DE
[72] GRABER, ALEXANDER, DE
[72] GALILEY, MEGAN, US
[72] WALESKA, HIDALGO, US
[71] BK GIULINI GMBH, DE
[85] 2024-04-26
[86] 2022-11-30 (PCT/EP2022/083849)
[87] (WO2023/099563)
[30] US (63/284,115) 2021-11-30
[30] EP (21213213.8) 2021-12-08

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[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/52 (2006.01) C12P 13/22 (2006.01)**
[25] EN
[54] **PARTICULARLY SUITABLE 3-DESOXYARABINOHEPTULOSANATE-7-PHOSPHATE SYNTHASE FOR THE FERMENTATIVE PREPARATION OF ORTHO-AMINOBENZOIC ACID**
[54] **3-DESOXYARABINOHEPTULOSONATE-7-PHOSPHATE SYNTHASE PARTICULIEREMENT APPROPRIEE POUR LA PRODUCTION FERMENTATIVE D'ACIDE ORTHO-AMINOBENZOIQUE**
[72] KLAFFL, SIMON, DE
[72] SPRENGER, GEORG, DE
[72] GOTTLIEB, KATRIN, DE
[72] YOUN, JUNG-WON, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2024-04-26
[86] 2022-12-14 (PCT/EP2022/085919)
[87] (WO2023/111055)
[30] EP (21215753.1) 2021-12-17

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[13] A1
[51] **Int.Cl. G16B 40/00 (2019.01) G16B 15/20 (2019.01) G16B 45/00 (2019.01) G16C 20/00 (2019.01) G16C 20/70 (2019.01) G16C 20/80 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR POLYMER SIDE-CHAIN CONFORMATION PREDICTION**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DE CONFORMATION DE CHAINE LATERALE DE POLYMERE**
[72] MUKHOPADHYAY, ABHISHEK, CA
[72] DIXIT, SURJIT BHIMARAO, CA
[72] GIL LEY, ALEJANDRO, CA
[72] MCWHIRTER, JAMES LIAM, CA
[72] MCMASTER, BENJAMIN JOHN, CA
[72] KADAN, AMIT, CA
[71] ZYMEWORKS BC INC., CA
[85] 2024-04-30
[86] 2022-11-01 (PCT/CA2022/051612)
[87] (WO2023/070229)
[30] US (63/274,444) 2021-11-01

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[51] **Int.Cl. C12P 13/00 (2006.01) C12N 1/20 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/88 (2006.01) C12N 9/92 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **MIXTURES OF GLUCOSE AND XYLOSE FOR THE FERMENTATIVE PREPARATION OF ORTHO-AMINOBENZOIC ACID**
[54] **MELANGES DE GLUCOSE ET DE XYLOSE POUR LA PRODUCTION FERMENTATIVE D'ACIDE ORTHO-AMINOBENZOIQUE**
[72] SPAETH, ANJA, DE
[72] WALTER, FREDERIK, DE
[72] DAVOUDI, CEDRIC, DE
[72] KLOECKNER, WOLF, DE
[72] SCHAFFERT, LENA, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2024-04-26
[86] 2022-12-14 (PCT/EP2022/085917)
[87] (WO2023/111053)
[30] EP (21215759.8) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/55 (2006.01) A61K 8/73 (2006.01) A61K 8/92 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS SUITABLE FOR USE IN SKIN CARE**
[54] **COMPOSITIONS APPROPRIEES POUR LE SOIN DE LA PEAU**
[72] LEFEBVRE, MARJORIE, FR
[72] GESLIN, MARIE CECILE, FR
[72] POTIER, JULIE, FR
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2024-04-26
[86] 2022-10-26 (PCT/IB2022/060309)
[87] (WO2023/073590)
[30] EP (21306507.1) 2021-10-27

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 9/78 (2006.01)**
[25] EN
[54] **NME2CAS9 INLAID DOMAIN FUSION PROTEINS**
[54] **PROTEINES DE FUSION A DOMAINE NME2CAS9 INCRUSTE**
[72] SONTHEIMER, ERIK, US
[72] XUE, WEN, US
[72] ZHANG, HAN, US
[72] BAMIDELE, NATHAN, US
[72] DONG, XIAOLONG, US
[71] UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, US
[85] 2024-04-30
[86] 2022-10-28 (PCT/US2022/048261)
[87] (WO2023/081070)
[30] US (63/274,667) 2021-11-02

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) A61P 1/00 (2006.01) A61P 37/06 (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 AVEC UN ANTICORPS SPECIFIQUE ANTI-IL23**
[72] GERMINARO, MATTHEW, US
[72] OLURINDE, MOBOLAJI, US
[72] SAHOO, APARNA, US
[72] YEE, JACQUELINE, US
[72] ADEDOKUN, OMONIYI, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-04-26
[86] 2022-10-27 (PCT/IB2022/060353)
[87] (WO2023/073615)
[30] US (63/273,239) 2021-10-29

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[13] A1
[51] **Int.Cl. D21J 7/00 (2006.01) B05D 1/02 (2006.01) B65D 65/46 (2006.01) D21H 21/16 (2006.01) D21J 5/00 (2006.01)**
[25] EN
[54] **FIBER-BASED MICROWAVE BOWLS WITH SELECTIVE SPRAY COATING**
[54] **BOLS MICRO-ONDES A BASE DE FIBRES DOTES D'UN REVETEMENT PAR PULVERISATION SELECTIVE**
[72] CHUNG, YOKE DOU, US
[72] ZHANG, YIYUN, US
[72] GONZALEZ, RIC, US
[72] LUCERO, STEVE, US
[72] WANG, MIN, US
[71] FOOTPRINT INTERNATIONAL, LLC, US
[85] 2024-04-26
[86] 2021-11-17 (PCT/US2021/059605)
[87] (WO2023/075807)
[30] US (17/512,171) 2021-10-27

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[13] A1
[51] **Int.Cl. D21H 27/00 (2006.01) B41M 5/035 (2006.01) B41M 5/52 (2006.01) D21H 17/00 (2006.01) D21H 19/20 (2006.01) D21H 19/56 (2006.01) D21H 19/60 (2006.01)**
[25] EN
[54] **TRANSFER PAPER FOR SUBLIMATION PRINTING**
[54] **PAPIER TRANSFERT POUR IMPRESSION PAR SUBLIMATION**
[72] DECOMPTE, ALEXANDRE, FR
[72] AVERSA, MARCO, IT
[71] AHLSTROM OYJ, FI
[85] 2024-04-26
[86] 2022-11-04 (PCT/IB2022/060644)
[87] (WO2023/079510)
[30] EP (21206672.4) 2021-11-05

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[13] A1
[51] **Int.Cl. B29C 70/44 (2006.01) B29C 70/38 (2006.01) B64C 1/14 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A ONE-PIECE COMPOSITE STRUCTURE AND BASIN STRUCTURE PRODUCED USING THIS METHOD**
[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE COMPOSITE MONOBLOC ET STRUCTURE EN BASSINE REALISEE A PARTIR DE CE PROCEDE**
[72] GAIL, PHILIPPE, FR
[72] LAJOUS, HERVE, FR
[71] LATECOERE, FR
[85] 2024-04-30
[86] 2022-10-31 (PCT/EP2022/080389)
[87] (WO2023/083642)
[30] FR (FR2111908) 2021-11-09

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[13] A1
[51] **Int.Cl. A23L 7/113 (2016.01) A23L 7/109 (2016.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING INSTANT NOODLES TO BE RECONSTITUTED WITH WATER**
[54] **PROCEDE DE FABRICATION DE NOUILLES INSTANTANEES A FAIRE TREMPER DANS L'EAU**
[72] AKIKUSA, SHINGO, JP
[72] YAMADA, MINORI, JP
[72] NAGAI, TAKAO, JP
[72] TSUDA, YASUYUKI, JP
[72] ISONO, YOKO, JP
[71] NISSHIN FLOUR MILLING INC., JP
[85] 2024-04-26
[86] 2022-10-28 (PCT/JP2022/040322)
[87] (WO2023/080067)
[30] JP (2021-179206) 2021-11-02

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[13] A1
[51] **Int.Cl. B29C 41/00 (2006.01) B65D 65/46 (2006.01) B65D 81/34 (2006.01) D21H 11/12 (2006.01) D21H 11/14 (2006.01)**
[25] EN
[54] **FIBER-BASED FOOD CONTAINERS**
[54] **RECIPIENTS ALIMENTAIRES A BASE DE FIBRES**
[72] CHUNG, YOKE DOU, US
[72] MOORE, BRANDON M., US
[72] ZHANG, YIYUN, US
[71] FOOTPRINT INTERNATIONAL, LLC, US
[85] 2024-04-26
[86] 2021-12-07 (PCT/US2021/062212)
[87] (WO2023/075809)
[30] US (17/513,801) 2021-10-28

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[13] A1
[51] **Int.Cl. G16B 20/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DISCOVERY OF EMBEDDED TARGET GENES IN BIOSYNTHETIC GENE CLUSTERS**
[54] **PROCEDES ET SYSTEMES POUR LA DECOUVERTE DE GENES CIBLES INTEGRES DANS DES GROUPES DE GENES BIOSYNTHETIQUES**
[72] HADJITHOMAS, MICHALIS, US
[72] WYKA, STEPHEN ANDREW, US
[72] KIM, JINWOO, US
[72] LIN, YU-CHENG, US
[72] MCFADYEN, IAIN JAMES, US
[72] VERDINE, GREG, US
[71] LIFEMINE THERAPEUTICS, INC., US
[85] 2024-04-30
[86] 2022-11-04 (PCT/US2022/049040)
[87] (WO2023/081413)
[30] US (63/263,638) 2021-11-05
[30] US (63/278,065) 2021-11-10

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[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61P 3/10 (2006.01) A61P 25/28 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **N-(4-AMINOCYCLOHEXYL)PYRIMIDINE-4-CARBOXAMIDE DERIVATIVES AS CD38 INHIBITORS**
[54] **DERIVES DE N-(4-AMINOCYCLOHEXYL)PYRIMIDINE-4-CARBOXAMIDE EN TANT QU'INHIBITEURS DE CD38**
[72] BURLI, ROLAND, GB
[72] DOYLE, KEVIN, GB
[71] CEREVANCE, INC., US
[85] 2024-04-30
[86] 2022-11-09 (PCT/GB2022/052833)
[87] (WO2023/084206)
[30] GB (2116077.5) 2021-11-09

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[13] A1
[51] **Int.Cl. F24D 19/10 (2006.01) F24D 3/08 (2006.01) F24D 3/18 (2006.01)**
[25] EN
[54] **HEATING INSTALLATION**
[54] **INSTALLATION DE CHAUFFAGE**
[72] GORANSSON, HANS-GORAN, MT
[71] ENERGY MACHINES APS, DK
[85] 2024-04-30
[86] 2022-12-15 (PCT/EP2022/086117)
[87] (WO2023/117677)
[30] EP (21216044.4) 2021-12-20

[21] **3,236,796**
[13] A1
[51] **Int.Cl. H04L 67/50 (2022.01) H04L 67/1396 (2022.01) H04L 67/306 (2022.01)**
[25] EN
[54] **INTELLIGENT COHORTS FOR NETWORK CONTENT DELIVERY**
[54] **COHORTES INTELLIGENTES PERMETTANT LA DISTRIBUTION DE CONTENU DE RESEAU**
[72] ROACH, PERRY J., CA
[72] WELLS, GEOFFREY, CA
[72] ROBB, ALEXANDER JOHN, CA
[71] NETSWEEPER (BARBADOS) INC., BB
[85] 2024-04-30
[86] 2022-11-02 (PCT/IB2022/060571)
[87] (WO2023/079464)
[30] US (63/274,823) 2021-11-02

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[13] A1
[51] **Int.Cl. C09C 1/02 (2006.01) B01J 8/10 (2006.01) C09C 3/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING CORE-SHELL CALCIUM HYDROXIDE-CALCIUM CARBONATE PARTICLES**
[54] **PROCEDE ET APPAREIL DE PRODUCTION DE PARTICULES DE CARBONATE DE CALCIUM-HYDROXYDE DE CALCIUM NOYAU ENVELOPPE**
[72] HUSEIN, MAEN MOH'D, CA
[72] DARWISH, NOORA NAIF, CA
[71] BIOSENTA INC., CA
[85] 2024-04-30
[86] 2022-11-02 (PCT/CA2022/051620)
[87] (WO2023/077223)
[30] US (63/274,995) 2021-11-03
[30] US (63/391,989) 2022-07-25

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[51] **Int.Cl. G01S 19/21 (2010.01) G01S 19/22 (2010.01) G01S 19/29 (2010.01) G01S 19/30 (2010.01) G01S 19/32 (2010.01) G01S 19/37 (2010.01)**
[25] EN
[54] **SATELLITE NAVIGATION RECEIVER WITH AGGREGATE CHANNEL DIGITAL BASEBAND PROCESSING**
[54] **RECEPTEUR DE NAVIGATION PAR SATELLITE AVEC TRAITEMENT EN BANDE DE BASE NUMERIQUE DE CANAL AGREGE**
[72] YU, WEI, US
[72] KEEGAN, RICHARD G., US
[72] KAPLAN, MARK P., US
[72] GOODRICH, BRIAN C., US
[72] LI, DAVID M., US
[71] DEERE & COMPANY, US
[85] 2024-04-30
[86] 2022-09-09 (PCT/US2022/076201)
[87] (WO2023/129763)
[30] US (63/295,429) 2021-12-30
[30] US (63/363,277) 2022-04-20
[30] US (17/661,488) 2022-04-29
[30] US (63/268,221) 2022-02-18

[21] **3,236,799**
[13] A1
[51] **Int.Cl. C08G 63/08 (2006.01)**
[25] EN
[54] **A TRIBLOCK COPOLYMER, A PROCESS FOR OBTAINING THEREOF AND USES THEREOF**
[54] **COPOLYMERE TRIBLOC, SON PROCEDE D'OBTENTION ET SES UTILISATIONS**
[72] MARTINEZ CUTILLAS, ALFREDO, ES
[72] OH, SEJIN, ES
[72] MARTINEZ DE ILARDUYA, ANTXON, ES
[72] MARIN RODRIGUEZ, XAVIER, ES
[71] ARTIFICIAL NATURE S.L., ES
[85] 2024-04-30
[86] 2022-10-28 (PCT/EP2022/080298)
[87] (WO2023/078808)
[30] EP (21383008.6) 2021-11-05

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[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 37/02 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **IMPROVED FORMULATIONS FOR OXIDATION, BLEACHING AND MICROBIAL CONTROL**
[54] **FORMULATIONS AMELIOREES POUR L'OXYDATION, LE BLANCHIMENT ET LA LUTTE MICROBIOLOGIQUE**
[72] BUSCHMANN, WAYNE E., US
[72] EVENSON, CARL R., US
[71] CLEAN CHEMISTRY, INC., US
[85] 2024-04-30
[86] 2022-11-17 (PCT/US2022/050317)
[87] (WO2023/091610)
[30] US (63/280,479) 2021-11-17

[21] **3,236,802**
[13] A1
[51] **Int.Cl. G16B 30/10 (2019.01) G16B 40/00 (2019.01)**
[25] EN
[54] **SERINE RECOMBINASES**
[54] **RECOMBINASES A SERINE**
[72] BHATT, AMI S., US
[72] DURRANT, MATTHEW G., US
[72] TYCKO, JOSHUA C., US
[72] HSU, PATRICK D., US
[72] FANTON, ALISON, US
[72] BASSIK, MICHAEL C., US
[72] BINTU, LACRAMIOARA, US
[71] THE UNIVERSITY OF CALIFORNIA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2024-04-30
[86] 2022-11-03 (PCT/US2022/079227)
[87] (WO2023/081762)
[30] US (63/275,288) 2021-11-03
[30] US (63/322,712) 2022-03-23
[30] US (63/400,868) 2022-08-25

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[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01) A61F 5/445 (2006.01)**
[25] EN
[54] **OSTOMY POUCH CLOSURE SYSTEM**
[54] **SYSTEME DE FERMETURE DE POCHE DE STOMIE**
[72] BOTTEN, RONALD S., US
[71] HOLLISTER INCORPORATED, US
[85] 2024-04-30
[86] 2022-12-22 (PCT/US2022/053767)
[87] (WO2023/129463)
[30] US (63/294,411) 2021-12-29

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[13] A1
[51] **Int.Cl. A01N 63/20 (2020.01) A01N 63/28 (2020.01) A01H 3/00 (2006.01) C12N 1/20 (2006.01) C12Q 1/02 (2006.01) A01N 63/22 (2020.01)**
[25] EN
[54] **INCREASED BIOLOGICAL AGENT PERFORMANCE AND REDUCED VARIATION ACROSS AREAS OF APPLICATION**
[54] **PERFORMANCE ACCRUE D'AGENT BIOLOGIQUE ET VARIATION REDUITE DANS DES ZONES D'APPLICATION**
[72] KINKEL, LINDA L., US
[71] BIOCONTROL, LLC, US
[85] 2024-04-30
[86] 2022-11-16 (PCT/US2022/079992)
[87] (WO2023/091973)
[30] US (63/279,975) 2021-11-16

[21] **3,236,807**
[13] A1
[51] **Int.Cl. B03B 9/06 (2006.01)**
[25] EN
[54] **METHOD FOR COMPREHENSIVELY RECYCLING LITHIUM, TANTALUM AND NIOBIUM, SILICON ALUMINUM MICROPOWDER, IRON CONCENTRATE, AND GYPSUM FROM LITHIUM SLAGS**
[54] **PROCEDE DE RECUPERATION COMPLETE DE LITHIUM, DE TANTALE-NIOBIUM, DE MICRO-POUDRE DE SILICIUM-ALUMINIUM, DE CONCENTRE DE MINERAI DE FER ET DE GYPSE A PARTIR DE SCORIES DE LITHIUM**
[72] YIN, ZHIGANG, CN
[72] ZHOU, FU, CN
[72] DENG, XINGXING, CN
[72] XU, CHUAN, CN
[72] GAO, YIBAO, CN
[71] TIANQI LITHIUM GENESIS TECHNOLOGY (SHENZHEN) LTD., CN
[85] 2024-04-30
[86] 2022-11-21 (PCT/CN2022/133160)
[87] (WO2023/098500)
[30] CN (202111455639.5) 2021-12-01

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[13] A1
[51] **Int.Cl. A61K 47/32 (2006.01) A61K 47/58 (2017.01) A61K 47/69 (2017.01) A61K 9/14 (2006.01)**
[25] EN
[54] **PRODRUG COPOLYMERS AND POLYMERIC MICELLES THEREOF FOR THE DELIVERY OF SHORT-CHAIN FATTY ACIDS, THE PROMOTION OF GUT HEALTH, AND THE TREATMENT OF IMMUNE AND/OR INFLAMMATORY CONDITIONS AND FOOD ALLERGY**
[54] **COPOLYMERES DE PROMEDICAMENTS ET MICELLES POLYMERES DE CEUX-CI POUR L'ADMINISTRATION D'ACIDES GRAS A CHAINE COURTE, LA PROMOTION DE LA SANTE INTESTINALE ET LE TRAITEMENT D'ETATS IMMUNITAIRES ET/OU INFLAMMATOIRES ET D'ALLERGIE ALIMENTAIRE**
[72] HUBBELL, JEFFREY, US
[72] WANG, RUYI, US
[72] CAO, SHIJIE, US
[72] NAGLER, CATHRYN R., US
[72] WILSON, D. SCOTT, US
[72] BASHIR, MOHAMED H., US
[71] THE UNIVERSITY OF CHICAGO, US
[85] 2024-04-30
[86] 2022-11-03 (PCT/US2022/079231)
[87] (WO2023/081765)
[30] US (63/275,260) 2021-11-03
[30] US (63/329,913) 2022-04-12

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[13] A1
[51] **Int.Cl. A61K 31/37 (2006.01) A61K 38/46 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING MICROGLIAL DYSFUNCTION AND IMPROVING METABOLIC DYSFUNCTION**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER UN DYSFONCTIONNEMENT MICROGLIAL ET AMELIORER UN DYSFONCTIONNEMENT METABOLIQUE**
[72] SZALAY, ANTAL, CH
[72] BLANK, THOMAS, DE
[71] ULTIMATE MEDICINE AG, CH
[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE
[85] 2024-04-30
[86] 2022-11-08 (PCT/IB2022/000668)
[87] (WO2023/079366)
[30] US (63/276,996) 2021-11-08

[21] **3,236,811**
[13] A1
[51] **Int.Cl. A61K 8/64 (2006.01)**
[25] EN
[54] **COSMETIC AND PERSONAL CARE COMPOSITIONS COMPRISING RECOMBINANT SILK**
[54] **COMPOSITIONS COSMETIQUES ET DE SOINS PERSONNELS COMPRENANT DE LA SOIE RECOMBINANTE**
[72] WRAY, LINDSAY, US
[71] BOLT THREADS, INC., US
[85] 2024-04-30
[86] 2022-11-02 (PCT/US2022/079160)
[87] (WO2023/081711)
[30] US (63/274,837) 2021-11-02
[30] US (63/302,793) 2022-01-25

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[13] A1
[51] **Int.Cl. F24F 3/14 (2006.01) F24F 13/20 (2006.01)**
[25] EN
[54] **TWO-PHASE PRE-COOLING METHOD FOR AIR CONDITIONING SYSTEMS**
[54] **PROCEDE DE PRE-REFROIDISSEMENT EN DEUX PHASES POUR SYSTEMES DE CLIMATISATION**
[72] PANDELIDIS, DEMIS LUKASZ, PL
[71] BARYON INC., US
[85] 2024-04-30
[86] 2022-11-15 (PCT/US2022/049886)
[87] (WO2023/086657)
[30] US (63/279,528) 2021-11-15

[21] **3,236,814**
[13] A1
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6823 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENE EXPRESSION AND TISSUE OF ORIGIN INFERENCE FROM CELL-FREE DNA**
[54] **SYSTEMES ET PROCEDES D'EXPRESSION GENIQUE ET D'INFERENCE DE TISSU D'ORIGINE A PARTIR D'ADN LIBRE CIRCULANT**
[72] DIEHN, MAXIMILIAN, US
[72] ALIZADEH, ARASH ASH, US
[72] MEHRMOHAMADI, MAHYA, US
[72] SHAHROKH ESFAHANI, MOHAMMAD, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-04-30
[86] 2022-11-16 (PCT/US2022/050151)
[87] (WO2023/091517)
[30] US (63/280,305) 2021-11-17

[21] **3,236,815**
[13] A1
[51] **Int.Cl. C07K 14/715 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **CHIMERIC PROTEINS FOR TREATING CUTANEOUS INFLAMMATION**
[54] **PROTEINES CHIMERIQUES POUR LE TRAITEMENT D'UNE INFLAMMATION CUTANEE**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] SHUPTRINE, CASEY, US
[71] SHATTUCK LABS, INC., US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079046)
[87] (WO2023/077152)
[30] US (63/274,232) 2021-11-01
[30] US (63/369,836) 2022-07-29
[30] US (63/325,568) 2022-03-30
[30] US (63/320,628) 2022-03-16

[21] **3,236,816**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2023.01)**
[25] EN
[54] **AUTOMATED DECISIONING BASED ON PREDICTED USER INTENT**
[54] **PRISE DE DECISION AUTOMATISEE SUR LA BASE D'UNE INTENTION D'UTILISATEUR PREDITE**
[72] D'ALESSANDRO, ANGELO, US
[72] HALEY, BRIAN, US
[71] LIVEPERSON, INC., US
[85] 2024-04-30
[86] 2022-11-02 (PCT/US2022/048685)
[87] (WO2023/081195)
[30] US (63/274,689) 2021-11-02

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[13] A1
[51] **Int.Cl. E21B 17/02 (2006.01) E21B 33/04 (2006.01)**
[25] EN
[54] **DOWNHOLE JOINT ROTATOR**
[54] **ROTATEUR D'ELEMENT TUBULAIRE DE FOND DE TROU**
[72] PEARCE, CHRISTOPHER A., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-04-30
[86] 2022-11-02 (PCT/US2022/079131)
[87] (WO2023/081692)
[30] US (63/274,991) 2021-11-03

[21] **3,236,819**
[13] A1
[51] **Int.Cl. A61K 8/49 (2006.01) A61K 8/9789 (2017.01) A61K 8/60 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **EXTRACT OF YOUNG HIBISCUS FLOWERS AND COSMETIC USES**
[54] **EXTRAIT DE JEUNES FLEURS D?HIBISCUS ET UTILISATIONS COSMETIQUES**
[72] PAUFIQUE, JEAN, FR
[72] PERNODET, NADINE, US
[72] CHEN, CHIA-WEN, US
[72] TRIVERO, JACQUELINE MARY, US
[72] CORALLO, KRYSTLE, US
[71] SOCIETE INDUSTRIELLE LIMOUSINE D'APPLICATION BIOLOGIQUE, FR
[71] ELC MANAGEMENT LLC, US
[85] 2024-04-30
[86] 2021-11-09 (PCT/EP2021/081149)
[87] (WO2023/083437)

[21] **3,236,821**
[13] A1
[51] **Int.Cl. C07D 401/00 (2006.01) C07D 403/04 (2006.01) C07D 487/00 (2006.01) G01N 23/20 (2018.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF N-((1R,3S)-3-(4-ACETYLPIPERAZIN-1-YL)CYCLOHEXYL)-4-FLUORO-7-METHYL-1H-INDOLE-2-CARBOXAMIDE**
[54] **FORMES CRISTALLINES DE N-((1R,3S)-3-(4-ACETYLPIPERAZIN-1-YL)CYCLOHEXYL)-4-FLUORO-7-METHYL-1H-INDOLE-2-CARBOXAMIDE**
[72] SHI, MEITING, CN
[72] WANG, RUIPING, CN
[72] CONNORS, WILLIAM H., US
[72] RASO, STEPHEN W., US
[71] EPIZYME, INC., US
[71] CONNORS, WILLIAM H., US
[71] RASO, STEPHEN W., US
[85] 2024-04-30
[86] 2022-10-31 (PCT/US2022/078962)
[87] (WO2023/077117)
[30] CN (PCT/CN2021/127945) 2021-11-01
[30] US (63/280,972) 2021-11-18

[21] **3,236,822**
[13] A1
[51] **Int.Cl. A61L 29/08 (2006.01) A61L 29/16 (2006.01)**
[25] EN
[54] **DRUG COATED BALLOON**
[54] **BALLONNET REVETU DE MEDICAMENT**
[72] AL-LAMEE, KADEM, GB
[72] BULLETT, NIAL, GB
[72] SMITH, LYDIA, GB
[72] AHMED, NAVEED, GB
[72] GROVE, WILLIAM, GB
[71] ARTERIUS LIMITED, GB
[85] 2024-04-30
[86] 2022-11-03 (PCT/GB2022/052777)
[87] (WO2023/079290)
[30] GB (2115813.4) 2021-11-03

[21] **3,236,823**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **STENT-LIKE CATHETER FOR ISOLATING A REGION IN A HOLLOW ORGAN OF A MAMMAL, AND SYSTEM BASED ON THE CATHETER**
[54] **CATHETER DE TYPE STENT POUR ISOLER UNE REGION DANS UN ORGANE CREUX D'UN MAMMIFERE, ET SYSTEME BASE SUR LE CATHETER**
[72] KASHINTSEV, ALEKSEI ARIEVICH, RU
[72] PROUTSKI, VITALY YURIEVICH, RU
[72] ANISIMOV, SERGEY VLADIMIROVICH, RU
[72] GRANSTREM, OLEG KONSTANTINOVICH, RU
[71] PANDICA LTD, GB
[85] 2024-04-30
[86] 2021-11-01 (PCT/RU2021/000477)
[87] (WO2023/075634)

[21] **3,236,824**
[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **MODIFIED MRNA THERAPEUTICS**
[54] **THERAPEUTIQUE ARNM MODIFIEE**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] SHUPTRINE, CASEY, US
[71] SHATTUCK LABS, INC., US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079052)
[87] (WO2023/077156)
[30] US (63/274,232) 2021-11-01
[30] US (63/369,836) 2022-07-29
[30] US (63/325,568) 2022-03-30
[30] US (63/320,628) 2022-03-16

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A61M 35/00 (2006.01)**
[25] EN
[54] **PREFILLED CUTANEOUS PATCH WITH LANDMARK**
[54] **PATCH CUTANE PREREMPLI POURVU D'UN POINT DE REPERE**
[72] LEWINSON, RYAN T., CA
[72] VALLERAND, ISABELLE A., CA
[72] HUGHES, JOHN-DOUGLAS MATTHEW, CA
[71] ALL SKIN INC, CA
[85] 2024-04-30
[86] 2022-11-01 (PCT/CA2022/051615)
[87] (WO2023/070231)
[30] US (63/274,176) 2021-11-01

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 31/436 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF HUMANIZED ANTI-CD40 ANTIBODIES**
[54] **COMPOSITIONS PHARMACEUTIQUES D'ANTICORPS ANTI-CD40 HUMANISES**
[72] KRANZ, JAMES, US
[71] KINIKSA PHARMACEUTICALS, GMBH, CH
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079072)
[87] (WO2023/081652)
[30] US (63/276,363) 2021-11-05

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[13] A1
[51] **Int.Cl. A61K 31/4709 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **FARNESYL-TRANSFERASE INHIBITORS AND KRAS INHIBITORS FOR TREATING KRAS MUTANT CANCERS**
[54] **INHIBITEURS DE FARNESYL-TRANSFERASE ET INHIBITEURS DE KRAS POUR TRAITER DES CANCERS A MUTATIONS DE KRAS**
[72] TIMAR, JOZSEF, HU
[72] HEGED?S, BALAZS, HU
[72] BARANYI, MARCELL, HU
[72] MOLNAR, ESZTER, HU
[72] TOVARI, JOZSEF, HU
[72] RANDELOVIC, IVAN, RS
[72] PERCZEL, ANDRAS, XX
[72] KESER?, GYORGY, XX
[72] BUDAY, LASZLO, XX
[71] SEMMELWEIS EGYETEM, HU
[71] KINETO LAB KFT., HU
[71] EOTVOS LORAND TUDOMANYEGYETEM, HU
[71] TERMESZETTUDOMANYI KUTATOKOZPONT, HU
[85] 2024-04-30
[86] 2022-11-02 (PCT/HU2022/050077)
[87] (WO2023/079320)
[30] HU (P2100375) 2021-11-02

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[13] A1
[51] **Int.Cl. G16H 40/60 (2018.01) G16H 50/20 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **METHODS, DEVICES, AND SYSTEMS FOR ADJUSTING LABORATORY HBA1C VALUES**
[54] **PROCEDES, DISPOSITIFS, ET SYSTEMES D'AJUSTEMENT DE VALEURS D'HBA1C VERIFIEES EN LABORATOIRE**
[72] DUNN, TIMOTHY C., US
[72] XU, YONGJIN, US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-04-30
[86] 2022-11-04 (PCT/US2022/049006)
[87] (WO2023/081391)
[30] US (63/276,266) 2021-11-05
[30] US (63/292,915) 2021-12-22
[30] US (63/326,231) 2022-03-31

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[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 45/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING SALMONELLA STRAIN AND IMMUNE CHECKPOINT INHIBITOR AS ACTIVE INGREDIENT FOR PREVENTION OR TREATMENT OF CANCER**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UNE SOUCHE DE SALMONELLE ET UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE EN TANT QUE PRINCIPES ACTIFS POUR LA PREVENTION OU LE TRAITEMENT DU CANCE**
[72] MIN, JUNG-JOON, KR
[72] HONG, YEONGJIN, KR
[72] YOU, SUNG-HWAN, KR
[72] HUY, NGUYEN DINH, KR
[71] CNCURE BIOTECH INC., KR
[85] 2024-04-30
[86] 2022-11-04 (PCT/KR2022/017209)
[87] (WO2023/080703)
[30] KR (10-2021-0151691) 2021-11-05

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[13] A1
[51] **Int.Cl. A47J 36/32 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PRESENTING SAFETY-BASED TEMPERATURE STATUS NOTIFICATIONS FOR GRILLS**
[54] **PROCEDES ET APPAREIL DESTINES A PRESENTER DES NOTIFICATIONS D'ETAT DE TEMPERATURE REPOSANT SUR LA SECURITE POUR DES GRILLES**
[72] GLENNON, KEVIN JAMES, US
[72] MECKER, WILLIAM ALEXANDER, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2024-04-30
[86] 2022-10-28 (PCT/US2022/048209)
[87] (WO2023/101777)
[30] US (63/284,488) 2021-11-30
[30] US (17/973,255) 2022-10-25

[21] **3,236,833**
[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **PRODUCTS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF HEPARIN-INDUCED THROMBOCYTOPENIA**
[54] **PRODUITS ET PROCEDES POUR LE DIAGNOSTIC ET LE TRAITEMENT DE LA THROMBOCYTOPENIE INDUITE PAR L'HEPARINE**
[72] NAZY, ISHAC, CA
[72] KELTON, JOHN, CA
[72] ARNOLD, DONALD, CA
[72] BISSOLA, ANNA-LISE, CA
[72] KRETZ, COLIN, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2024-04-30
[86] 2022-11-03 (PCT/CA2022/051628)
[87] (WO2023/077230)
[30] US (63/275,098) 2021-11-03

[21] **3,236,834**
[13] A1
[51] **Int.Cl. A61M 5/178 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **INJECTABLE SUSTAINED RELEASE PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE INJECTABLE A LIBERATION PROLONGEE**
[72] WORLEY, MARK, US
[72] SANDERS, WILLIAM, US
[71] SPECGX LLC, US
[85] 2024-04-30
[86] 2022-11-22 (PCT/US2022/080349)
[87] (WO2023/092148)
[30] US (63/282,014) 2021-11-22

[21] **3,236,836**
[13] A1
[51] **Int.Cl. C08F 290/06 (2006.01) C08F 8/14 (2006.01) C08G 63/12 (2006.01) C08G 63/183 (2006.01)**
[25] EN
[54] **(CO)POLYMER-ACRYLIC BLOCK COPOLYMERS AND COATING COMPOSITIONS CONTAINING THE SAME**
[54] **COPOLYMERES A BLOCS (CO) POLYMERE-ACRYLIQUE ET COMPOSITIONS DE REVETEMENT LES CONTENANT**
[72] KALEEM, KAREEM, US
[72] BAO, HANZHEN, US
[72] MOTALA, MICHAEL JONATHAN, US
[72] MOUSSA, YOUSSEF, US
[72] ZHANG, WENCHAO, US
[72] SENEKER, CARL, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2024-04-30
[86] 2022-11-21 (PCT/US2022/080207)
[87] (WO2023/097177)
[30] US (63/282,767) 2021-11-24
[30] US (63/365,289) 2022-05-25

[21] **3,236,837**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61B 10/02 (2006.01) A61B 17/34 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **DEVICES AND SYSTEMS FOR REMOVING TISSUE ABOVE AND /OR DRAINING A SUBCUTANEOUS SKIN ABSCESS**
[54] **DISPOSITIFS ET SYSTEMES D'ELIMINATION DE TISSU AU-DESSUS ET/OU DE DRAINAGE D'UN ABCES DE LA PEAU SOUS-CUTANE**
[72] WHITE, MELANIE KATHRYN, AU
[72] HAYES, ALEX JOHN CULLEN, AU
[72] YEW, MING KHOON, AU
[72] MATTHEWS, GILES, AU
[72] WESTWOOD, MICHAEL, AU
[72] MILLS, LOUIS, AU
[71] INOVA MEDICAL PTY LTD, AU
[85] 2024-04-30
[86] 2022-11-04 (PCT/AU2022/051329)
[87] (WO2023/077200)
[30] AU (2021903549) 2021-11-05

[21] **3,236,838**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **STABILIZED RNA AGENTS**
[54] **AGENTS D'ARN STABILISES**
[72] WOLFSON, ALEXEY, US
[72] ZATSEPIN, TIMOFEI, US
[71] A2TBIO LLC, US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/048509)
[87] (WO2023/076710)
[30] US (63/274,193) 2021-11-01

[21] **3,236,839**
[13] A1
[51] **Int.Cl. C07C 31/27 (2006.01) A61K 47/50 (2017.01) C07C 55/26 (2006.01) C07C 69/60 (2006.01) C07C 69/608 (2006.01) C07C 219/10 (2006.01) C07D 249/04 (2006.01)**
[25] EN
[54] **DEVELOPMENT OF A NEW FAMILY OF NANOCARRIERS DERIVED FROM NATURAL TETRAMERIC ACID LIPIDS**
[54] **DEVELOPPEMENT D'UNE NOUVELLE FAMILLE DE NANOVECTEURS DERIVES DE LIPIDES D'ACIDE TETRAMERE NATURELS**
[72] BENVEGNU, THIERRY, FR
[72] VIVES, THOMAS, FR
[72] HICGUET, MATTHIEU, FR
[72] SIMON, SEBASTIEN, NO
[72] SJOBLOM, JOHAN, NO
[71] UNIVERSITE DE RENNES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE RENNES, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE RENNES, FR
[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO
[85] 2024-04-30
[86] 2022-11-10 (PCT/EP2022/081525)
[87] (WO2023/083983)
[30] EP (21306582.4) 2021-11-15

[21] **3,236,840**
[13] A1
[51] **Int.Cl. A47J 36/32 (2006.01) A47J 37/07 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PRESENTING LOCATION-BASED FOOD MOVEMENT NOTIFICATIONS IN CONNECTION WITH COOK PROGRAMS OF GRILLS**
[54] **PROCEDES ET APPAREIL POUR PRESENTER DES NOTIFICATIONS DE DEPLACEMENT D'ALIMENT BASEES SUR L'EMPLACEMENT DANS LE CADRE DE PROGRAMMES DE CUISSON DE GRILS**
[72] GLENNON, KEVIN JAMES, US
[72] MECKER, WILLIAM ALEXANDER, US
[71] WEBER-STEPHEN PRODUCTS LLC, US
[85] 2024-04-30
[86] 2022-11-15 (PCT/US2022/049945)
[87] (WO2023/158466)
[30] US (63/310,511) 2022-02-15
[30] US (17/984,098) 2022-11-09

[21] **3,236,841**
[13] A1
[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] FR
[54] **TRANSPARENT SUBSTRATE PROVIDED WITH A FUNCTIONAL STACK OF THIN LAYERS**
[54] **SUBSTRAT TRANSPARENT MUNI D'UN EMPILEMENT FONCTIONNEL DE COUCHES MINCES**
[72] GUIMARD, DENIS, FR
[72] DELBECQ, CECILE, FR
[72] LELARGE, ANNE, FR
[72] HIVET, ROMAIN, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2024-04-30
[86] 2022-12-16 (PCT/EP2022/086262)
[87] (WO2023/117725)
[30] FR (FR2114274) 2021-12-22

[21] **3,236,842**
[13] A1
[51] **Int.Cl. B32B 5/08 (2006.01) D04H 1/00 (2006.01) D04H 5/00 (2012.01)**
[25] EN
[54] **THERMOFORMABLE NONWOVEN COMPOSITE**
[54] **COMPOSITE NON TISSE THERMOFORMABLE**
[72] SHIBATA, KAZUAKI, US
[72] MAPES, MARK, US
[71] MILLIKEN & COMPANY, US
[85] 2024-04-30
[86] 2022-10-28 (PCT/US2022/048185)
[87] (WO2023/081064)
[30] US (63/274,740) 2021-11-02

[21] **3,236,843**
[13] A1
[51] **Int.Cl. A01N 25/00 (2006.01) A01N 25/02 (2006.01) A01N 43/90 (2006.01) A01N 45/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **SOLVENT COMPOSITIONS PROMOTING PLANT GROWTH**
[54] **COMPOSITIONS DE SOLVANT STIMULANT LA CROISSANCE DES PLANTES**
[72] SAWALL, DUSTYN, US
[72] WATRIN, CLIFF, US
[72] WHITE, CATHERINE E., US
[72] STARK, SHELBY, US
[72] JONES, MARCUS, US
[71] WINFIELD SOLUTIONS, LLC, US
[85] 2024-04-30
[86] 2022-11-04 (PCT/US2022/048951)
[87] (WO2023/081349)
[30] US (63/276,137) 2021-11-05

[21] **3,236,844**
[13] A1
[51] **Int.Cl. H04W 4/02 (2018.01) H04W 88/08 (2009.01)**
[25] EN
[54] **SYNCHRONIZATION NETWORK CONSTRUCTION METHOD, PRICE TAG SYSTEM, COMPUTER DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE CONSTRUCTION DE RESEAU DE SYNCHRONISATION, SYSTEME D'ETIQUETTES DE PRIX, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] JI, YAPING, CN
[72] JIANG, QI, CN
[72] LIANG, MIN, CN
[71] HANSHOW TECHNOLOGY CO., LTD., CN
[85] 2024-04-30
[86] 2023-04-25 (PCT/CN2023/090494)
[87] (WO2023/207946)
[30] CN (202210436190.6) 2022-04-25

[21] **3,236,845**
[13] A1
[51] **Int.Cl. E21B 1/02 (2006.01) B25D 9/12 (2006.01) B25D 9/18 (2006.01) B25D 9/20 (2006.01) B25D 9/26 (2006.01)**
[25] EN
[54] **VALVE CYLINDER, IMPACT DEVICE AND METHOD**
[54] **CYLINDRE DE VANNE, DISPOSITIF D'IMPACT ET PROCEDE**
[72] POLONEN, JUHA, FI
[72] NIEMI, JARKKO, FI
[72] KELA, TIMO, FI
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2024-04-30
[86] 2022-12-02 (PCT/EP2022/084165)
[87] (WO2023/099716)
[30] EP (21212280.8) 2021-12-03

[21] **3,236,846**
[13] A1
[51] **Int.Cl. G01N 21/3504 (2014.01) G01M 3/16 (2006.01) G01M 3/20 (2006.01) G01M 3/22 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR LOCATING THE SOURCE OF AN EMISSION OF GAS OR PARTICLES**
[54] **SYSTEME ET PROCEDE POUR LA LOCALISATION DE LA SOURCE D'UNE EMISSON DE GAZ OU DE PARTICULES**
[72] AGELAS, LEO, FR
[72] BEN GAID, MONGI, FR
[72] BERTHE, GUILLAUME, FR
[72] PAJON, JEAN-LOUIS, FR
[72] BENALI, ABDALLAH, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2024-04-30
[86] 2022-11-24 (PCT/EP2022/083076)
[87] (WO2023/104528)
[30] FR (FR2113054) 2021-12-07

[21] **3,236,847**
[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **PANEL**
[54] **PANNEAU**
[72] DE RICK, JAN, BE
[72] ROLLIER, BRYAN, BE
[72] MEERSCHMAN, HANNES, BE
[71] UNILIN, BV, BE
[85] 2024-04-30
[86] 2022-12-09 (PCT/IB2022/061966)
[87] (WO2023/119043)
[30] BE (2021/6042) 2021-12-23

[21] **3,236,848**
[13] A1
[51] **Int.Cl. C21D 8/02 (2006.01) C22C 33/04 (2006.01) C22C 38/18 (2006.01) C22C 38/40 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH AND HIGH-HARDNESS REINFORCED WEAR-RESISTANT STEEL AND MANUFACTURING METHOD THEREFOR**
[54] **ACIER RENFORCE RESISTANT A L'USURE A HAUTE RESISTANCE ET HAUTE DURETE ET SON PROCEDE DE FABRICATION**
[72] LI, HONGBIN, CN
[72] DING, JIANHUA, CN
[72] LIU, ZICHENG, CN
[72] WU, KOUGEN, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2024-04-30
[86] 2022-11-02 (PCT/CN2022/129272)
[87] (WO2023/078299)
[30] CN (202111292512.6) 2021-11-03

[21] **3,236,849**
[13] A1
[51] **Int.Cl. H05B 47/21 (2020.01) H05B 45/18 (2020.01) H05B 45/58 (2020.01) H05B 47/23 (2020.01)**
[25] EN
[54] **AIRFIELD GROUND LIGHT WITH INTEGRATED LIGHT CONTROLLER THAT EMPLOYS POWERLINE COMMUNICATIONS AND SENSORS**
[54] **ECLAIRAGE AU SOL DE PISTE DE DECOLLAGE AVEC DISPOSITIF DE COMMANDE DE LUMIERE INTEGRE QUI UTILISE DES COMMUNICATIONS PAR LIGNE ELECTRIQUE ET DES CAPTEURS**
[72] DININNO, DARYL M., US
[72] MITCHELL, DOUGLAS A., US
[72] STACHOW, ROBERT PAUL, JR., US
[71] ADB SAFEGATE BV, BE
[85] 2024-04-30
[86] 2022-10-14 (PCT/US2022/046654)
[87] (WO2023/081002)
[30] US (63/275,235) 2021-11-03

[21] **3,236,850**
[13] A1
[51] **Int.Cl. H01M 4/1395 (2010.01) H01M 4/134 (2010.01) H01M 10/0525 (2010.01) H01M 10/0562 (2010.01) H01M 10/0565 (2010.01)**
[25] FR
[54] **PROCESS FOR PRODUCING AN ANODE FOR LITHIUM BATTERIES**
[54] **PROCEDE DE PRODUCTION D'UNE ANODE POUR BATTERIES AU LITHIUM**
[72] AMOUZEGAR, KAMYAB, CA
[72] LEBLANC, DOMINIC, CA
[72] PAOLELLA, ANDREA, CA
[72] GUERFI, ABDELBAST, CA
[72] KABOLI, SHIRIN, CA
[72] BOUCHARD, PATRICK, CA
[72] LAROUCHE, FRANCOIS, CA
[72] DELAPORTE, NICOLAS, CA
[71] HYDRO-QUEBEC, CA
[85] 2024-04-30
[86] 2023-01-10 (PCT/CA2023/050019)
[87] (WO2023/133627)
[30] US (63/299,247) 2022-01-13

[21] **3,236,851**
[13] A1
[51] **Int.Cl. A61K 51/10 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **MACROCYCLIC COMPOUNDS AND DIAGNOSTIC USES THEREOF**
[54] **COMPOSES MACROCYCLIQUES ET LEURS UTILISATIONS DIAGNOSTIQUES**
[72] GOLDBERG, SHALOM, US
[72] WILEY, KRISTEN, US
[72] SALTER, RHYS, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-04-30
[86] 2022-11-08 (PCT/IB2022/060755)
[87] (WO2023/084397)
[30] US (63/277,283) 2021-11-09

[21] **3,236,852**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **BCMA MONOCLONAL ANTIBODY AND THE ANTIBODY-DRUG CONJUGATE**
[54] **ANTICORPS MONOCLONAL ANTI-BCMA ET CONJUGUE ANTICORPS-MEDICAMENT**
[72] ZHAO, ROBERT YONGXIN, US
[72] JIA, JUNXIANG, CN
[72] ZHENG, YUNXIA, CN
[72] YANG, QINGLIANG, CN
[72] HUANG, YUANYUAN, CN
[72] ZHANG, LINGLI, CN
[72] LI, WENJUN, CN
[72] GUO, HUIHUI, CN
[72] YE, HANGBO, CN
[72] YE, ZHICANG, CN
[72] ZHOU, YOU, CN
[72] WANG, JUAN, CN
[71] HANGZHOU DAC BIOTECH CO., LTD, CN
[85] 2024-04-30
[86] 2022-10-08 (PCT/CN2022/123901)
[87] (WO2023/078021)
[30] CN (PCT/CN2021/128453) 2021-11-03

[21] **3,236,853**
[13] A1
[51] **Int.Cl. C07D 417/04 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE PROTEINE TYROSINE PHOSPHATASE ET LEURS PROCEDES D'UTILISATION**
[72] BOGDAN, ANDREW, US
[72] ECONOMOU, CHRISTOS, US
[72] FROST, JENNIFER M., US
[72] KYM, PHILIP R., US
[72] SCHOLZ, SPENCER O., US
[72] XIONG, ZHAOMING, US
[71] CALICO LIFE SCIENCES LLC, US
[71] ABBVIE INC., US
[85] 2024-04-30
[86] 2022-11-10 (PCT/US2022/049581)
[87] (WO2023/086495)
[30] US (63/278,336) 2021-11-11

[21] **3,236,854**
[13] A1
[51] **Int.Cl. C07D 417/04 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PROTEIN TYROSINE PHOSPHATASE INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE PROTEINE TYROSINE PHOSPHATASE ET LEURS PROCEDES D'UTILISATION**
[72] BOGDAN, ANDREW, US
[72] FARNEY, ELLIOT P., US
[72] FROST, JENNIFER M., US
[72] KYM, PHILIP R., US
[72] XIONG, ZHAOMING, US
[72] BARTON, NAOMI ANNE, GB
[72] CARIOU-MUMFORD, CLAIRE ANNE MARIE, GB
[72] MCMAHON, CHRISTOPHER PATRICK, GB
[72] NANO, GIUSEPPE, GB
[71] CALICO LIFE SCIENCES LLC, US
[71] ABBVIE INC., US
[85] 2024-04-30
[86] 2022-11-10 (PCT/US2022/049584)
[87] (WO2023/086498)
[30] US (63/278,339) 2021-11-11

[21] **3,236,855**
[13] A1
[51] **Int.Cl. H10N 30/30 (2023.01) G01L 1/06 (2006.01) G01L 1/22 (2006.01) H10N 30/85 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DUAL-FUNCTION FOAM PRESSURE SENSORS**
[54] **SYSTEMES ET PROCEDES POUR CAPTEURS DE PRESSION DE MOUSSE A DOUBLE FONCTION**
[72] MERRELL, AARON JAKE, US
[72] CHRISTENSEN, TREVOR EMIL, US
[72] SUNDET, JAKE DUANE, US
[72] JENSEN, IAN MATTHEW, US
[72] TREE, MAXWELL, US
[71] NANO COMPOSITE PRODUCTS, US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079086)
[87] (WO2023/077168)
[30] US (63/263,369) 2021-11-01

[21] **3,236,856**
[13] A1
[51] **Int.Cl. C07H 21/04 (2006.01) C07H 19/06 (2006.01) C07H 19/10 (2006.01) C07H 19/14 (2006.01) C07H 19/16 (2006.01) C07H 19/20 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SYNTHESIS**
[54] **DISPOSITIFS ET METHODES DE SYNTHESE**
[72] LACKEY, JEREMY, US
[72] DODD, DAVID, US
[72] PITSCH, STEFAN, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2024-04-30
[86] 2022-10-31 (PCT/US2022/048456)
[87] (WO2023/076687)
[30] US (63/274,397) 2021-11-01

[21] **3,236,857**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **METHOD FOR ADJUSTING FRAME-LISTENING CYCLE, SHELF LABEL SYSTEM, COMPUTER DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE REGLAGE DE PERIODE D'ECOUTE DE TRAME, SYSTEME D'ETIQUETTE DE PRIX, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LIANG, MIN, CN
[72] JI, YAPING, CN
[72] JIANG, QI, CN
[72] WANG, YUJING, CN
[72] HOU, SHIGUO, CN
[71] HANSHOW TECHNOLOGY CO., LTD., CN
[85] 2024-04-30
[86] 2023-04-27 (PCT/CN2023/091053)
[87] (WO2024/001485)
[30] CN (202210732978.1) 2022-06-27

[21] **3,236,858**
[13] A1
[51] **Int.Cl. B08B 9/08 (2006.01) B24B 27/033 (2006.01) B24B 31/00 (2006.01) B24B 31/14 (2006.01) B27C 7/00 (2006.01) B27H 5/08 (2006.01) B27M 3/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD OF TREATING THE INTERNAL SURFACES OF A TIMBER BARREL WITH AN ABRASIVE**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DES SURFACES INTERNES D'UN FUT EN BOIS AVEC UN ABRASIF**
[72] BLAKEMAN, JONATHAN LINDSAY, AU
[72] WALKER, KIMBERLEY JOHN BUIST, AU
[72] MCDONALD, RONALD JOHN, AU
[71] BARREL REJUVENATION SERVICES PTY LTD, AU
[85] 2024-04-30
[86] 2022-10-24 (PCT/AU2022/051273)
[87] (WO2023/077181)
[30] AU (2021903510) 2021-11-03

[21] **3,236,859**
[13] A1
[51] **Int.Cl. A61B 6/03 (2006.01) G01R 31/20 (2006.01) G01R 31/26 (2020.01) G01R 31/309 (2006.01) G01T 1/24 (2006.01) G01T 1/29 (2006.01)**
[25] EN
[54] **INTERPOSER FOR SEMICONDUCTOR-BASED SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY DETECTOR**
[54] **INTERPOSEUR POUR DETECTEUR DE TOMOGRAPHIE ASSISTEE PAR ORDINATEUR A EMISSION MONOPHOTONIQUE A BASE DE SEMI-CONDUCTEUR**
[72] SANPITAK, PATANIT, US
[72] RODRIGUES, MIESHER, US
[72] CARUBA, JAMES FRANK, US
[71] SIEMENS MEDICAL SOLUTIONS USA, INC., US
[85] 2024-04-30
[86] 2021-12-01 (PCT/US2021/072652)
[87] (WO2023/101702)

[21] **3,236,860**
[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01) A61M 25/00 (2006.01) A61M 25/04 (2006.01)**
[25] EN
[54] **SPIRAL ENDOVASCULAR GUIDE WIRE**
[54] **FIL-GUIDE ENDOVASCULAIRE EN SPIRALE**
[72] VIDOVICH, MLADEN, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[71] THE UNITED STATES AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/079044)
[87] (WO2023/081640)
[30] US (63/274,701) 2021-11-02

[21] **3,236,861**
[13] A1
[51] **Int.Cl. A61K 31/04 (2006.01) A61K 31/7024 (2006.01) A61K 39/39 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **PI3K-ALPHA INHIBITORS AND METHODS OF MAKING AND USING THE SAME**
[54] **INHIBITEURS DE PI3K-ALPHA ET LEURS METHODES DE PREPARATION ET D'UTILISATION**
[72] LESCARBEAU, ANDRE, US
[72] BOEZIO, ALESSANDRO, US
[72] SINGH, SURENDRA P., US
[72] CHE, QINGLIN, US
[72] JIANG, SIYI, CN
[72] HE, HONGYAN, CN
[72] ZHOU, QIUXIANG, CN
[72] ZHOU, JIAJIA, CN
[72] LIN, YUAN, CN
[72] GU, WEI, CN
[72] LU, MIN, CN
[72] ZHOU, YUNFEI, CN
[72] GONG, XIJIAN, CN
[72] CHEN, JIAHUI, CN
[72] WANG, XIAOHONG, CN
[72] YIN, CHANGBO, CN
[71] RELAY THERAPEUTICS, INC., US
[85] 2024-04-30
[86] 2022-11-03 (PCT/US2022/079221)
[87] (WO2023/081757)
[30] CN (PCT/CN2021/128533) 2021-11-03
[30] US (63/263,474) 2021-11-03

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[51] **Int.Cl. C09D 11/52 (2014.01) C09D 11/02 (2014.01)**
[25] EN
[54] **CONDUCTIVE DISPERSIONS WITH ULTRATHIN GRAPHENE**
[54] **DISPERSIONS CONDUCTRICES AVEC GRAPHENE ULTRAMINCE**
[72] EL-KADY, MAHER F., US
[72] PRICE, SHANNON, US
[72] TULSYAN, GAURAV, US
[71] NANOTECH ENERGY, INC., US
[85] 2024-04-30
[86] 2022-11-03 (PCT/US2022/048788)
[87] (WO2023/081265)
[30] US (63/275,804) 2021-11-04

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[13] A1
[51] **Int.Cl. C08K 5/1545 (2006.01) B33Y 70/00 (2020.01) C08K 5/053 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **BIODEGRADABLE POLYMER COMPOSITIONS**
[54] **COMPOSITIONS POLYMERES BIODEGRADABLES**
[72] CERNOHOUS, JEFFREY J., US
[72] OCKWIG, NATHAN, US
[71] INTERFACIAL CONSULTANTS LLC, US
[85] 2024-04-25
[86] 2022-11-01 (PCT/US2022/048563)
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[30] US (63/274,067) 2021-11-01

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[51] **Int.Cl. C25B 1/01 (2021.01) C25B 9/19 (2021.01) C25B 9/23 (2021.01) C25B 1/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CARBON DIOXIDE REACTOR CONTROL**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE REACTEUR A DIOXYDE DE CARBONE**
[72] FLANDERS, NICHOLAS H., US
[72] KUHL, KENDRA P., US
[72] HAINES, CARTER S., US
[72] STEVIC, LUKA, US
[72] DICOSOLA, GREGORY, US
[71] TWELVE BENEFIT CORPORATION, US
[85] 2024-05-01
[86] 2022-11-04 (PCT/US2022/079335)
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[51] **Int.Cl. C01B 17/04 (2006.01) B01D 53/86 (2006.01)**
[25] EN
[54] **SULFUR RECOVERY BY SOLIDIFYING SULFUR ON REACTOR CATALYST**
[54] **RECUPERATION DE SOUFRE PAR SOLIDIFICATION DE SOUFRE SUR UN CATALYSEUR DE REACTEUR**
[72] O'CONNELL, JOHN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2024-04-25
[86] 2022-11-02 (PCT/US2022/048658)
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[51] **Int.Cl. C01B 3/40 (2006.01) C07C 1/12 (2006.01) G05B 13/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING A POWER-TO-X PROCESS TO REDUCE FEEDSTOCK COSTS**
[54] **SYSTEMES ET PROCEDES DE GESTION D'UN PROCESSUS PUISSANCE A X POUR REDUIRE LES COUTS DE CHARGE D'ALIMENTATION**
[72] SCHUETZLE, DENNIS, US
[72] SCHUETZLE, ROBERT, US
[72] GALLOWAY, ANJA RUMPLECKER, US
[72] MCGINNIS, GLENN, US
[72] MATTANA, ALEX, US
[71] INFINIUM TECHNOLOGY, LLC, US
[85] 2024-04-26
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[87] (WO2023/091165)
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[51] **Int.Cl. C12N 5/079 (2010.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR GENERATING HUMAN FOREBRAIN NEURAL PROGENITOR CELLS AND FOR MATURATION THEREOF TO PARVALBUMIN+ INTERNEURONS**
[54] **PROCEDES ET COMPOSITIONS POUR LA GENERATION DE CELLULES PROGENITRICES NEURALES DU CERVEAU ANTERIEUR HUMAIN ET POUR LEUR MATURATION EN INTERNEURONES PARVALBUMIN+.**
[72] AMINI, NOOSHIN, US
[72] FANG, XIAOGUANG, US
[71] TRAILHEAD BIOSYSTEMS INC., US
[85] 2024-04-26
[86] 2022-08-26 (PCT/US2022/041663)
[87] (WO2023/075913)
[30] US (63/273,742) 2021-10-29
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[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENT CONSTRUCTION OF ANTIBODY LIBRARIES**
[54] **SYSTEMES ET PROCEDES DE CONSTRUCTION INTELLIGENTE DE BIBLIOTHEQUES D'ANTICORPS**
[72] JAIN, TUSHAR, US
[72] VASQUEZ, MAXIMILIANO, US
[72] BARLOW, KYLE ANDREW, US
[71] ADIMAB, LLC, US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047888)
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[30] US (63/274,394) 2021-11-01

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[25] EN
[54] **ARTIFICIAL INTELLIGENCE-DRIVEN CLASSIFICATION WORKFLOW FOR DIAGNOSIS OF SUCKER ROD PUMP OPERATING CONDITIONS**
[54] **FLUX DE TRAVAIL DE CLASSIFICATION COMMANDE PAR INTELLIGENCE ARTIFICIELLE POUR LE DIAGNOSTIC DES CONDITIONS DE FONCTIONNEMENT D'UNE POMPE A TIGE DE POMPAGE**
[72] AMBADE, AMEY, US
[72] UMATE, PIYUSH, US
[72] GUPTA, SUPRIYA, US
[72] SHARMA, ABHISHEK, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047893)
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[51] **Int.Cl. A61G 1/00 (2006.01) A61G 1/04 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR THE REDUCTION OF HEMORRHAGE**
[54] **PROCEDE ET DISPOSITIF DE REDUCTION D'HEMORRAGIE**
[72] PENNELLS, SIMON ERIC, US
[72] SMART, COLIN JOHN, US
[71] KINGFISHER MEDICAL INC., US
[85] 2024-04-26
[86] 2022-10-26 (PCT/US2022/047937)
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[30] US (63/273,509) 2021-10-29

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[13] A1
[51] **Int.Cl. F16H 7/08 (2006.01)**
[25] EN
[54] **BEARING PIVOT TENSIONER ASSEMBLY**
[54] **ENSEMBLE TENDEUR DE PIVOT DE PALIER**
[72] KOPPESER, MICHAEL, CA
[72] WILLE, ROLAND, CA
[72] HOOPER, BRANDON, CA
[71] GATES CORPORATION, US
[85] 2024-04-26
[86] 2022-10-27 (PCT/US2022/048094)
[87] (WO2023/076520)
[30] US (63/273,347) 2021-10-29

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **TUMOR MICROENVIRONMENT TYPES IN BREAST CANCER**
[54] **TYPES DE MICROENVIRONNEMENT TUMORAL DANS LE CANCER DU SEIN**
[72] GURYLEVA, MARIIA, RU
[72] KHORKOVA, SVETLANA, RU
[72] KOTLOV, NIKITA, CY
[72] ZOTOVA, ANASTASIA, RU
[72] VALIEV, IVAN, RU
[72] BAGAEV, ALEXANDER, US
[72] SHAMSUTDINOVA, DIANA, RU
[72] ELIAS-NOMIE, KRYSTLE, US
[72] BUTUSOVA, ANNA, RU
[72] ANTYSHEVA, ZOIA, RU
[71] BOSTONGENE CORPORATION, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048191)
[87] (WO2023/076574)
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[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/50 (2006.01) A61K 35/12 (2015.01) A61K 45/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR CELL-BASED THERAPIES AND RELATED METHODS**
[54] **COMPOSITIONS POUR THERAPIES CELLULAIRES ET METHODES ASSOCIEES**
[72] BARNEY, LAUREN EMILY, US
[72] BANDUKWALA, HOZEFA, US
[72] DRAPEAU, SUSAN J., US
[72] JANSEN, LAUREN E., US
[71] SIGILON THERAPEUTICS, INC., US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048256)
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[30] US (63/273,638) 2021-10-29

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[13] A1
[51] **Int.Cl. A61K 39/108 (2006.01) A61P 31/04 (2006.01) C07K 14/245 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREVENTING INFECTION**
[54] **METHODES ET COMPOSITIONS POUR PREVENIR UNE INFECTION**
[72] COX, GRAHAM J.M., US
[72] EMERY, DARYLL, US
[72] STRAUB, DARREN E., US
[72] HERRON-OLSON, LISA, US
[72] TAM, PATRICIA, US
[72] CATRON, DREW M., US
[71] VAXXINOVA US, INC., US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/048262)
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[30] US (63/273,330) 2021-10-29

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[13] A1
[51] **Int.Cl. B64C 39/02 (2023.01) B64D 45/00 (2006.01) G01C 5/00 (2006.01)**
[25] EN
[54] **PRECISION HEIGHT ESTIMATION USING SENSOR FUSION**
[54] **ESTIMATION DE HAUTEUR DE PRECISION AU MOYEN D'UNE FUSION DES DONNEES DE CAPTEURS**
[72] KIM, YOUNG JOON, US
[72] LEE, KYUMAN, US
[71] BROOKHURST GARAGE, INC., US
[85] 2024-04-26
[86] 2022-11-01 (PCT/US2022/048499)
[87] (WO2023/076708)
[30] US (63/274,448) 2021-11-01

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[13] A1
[51] **Int.Cl. B64C 39/02 (2023.01) G06T 7/11 (2017.01) G06T 7/13 (2017.01) G06T 7/521 (2017.01) G06T 7/70 (2017.01) G06V 10/46 (2022.01) G06V 10/764 (2022.01) G06N 3/04 (2023.01)**
[25] EN
[54] **THIN OBJECT DETECTION AND AVOIDANCE IN AERIAL ROBOTS**
[54] **DETECTION ET EVITEMENT D'OBJETS MINCES DANS DES ROBOTS AERIENS**
[72] KIM, YOUNG JOON, US
[72] LEE, KYUMAN, US
[71] BROOKHURST GARAGE, INC., US
[85] 2024-04-26
[86] 2022-11-01 (PCT/US2022/048500)
[87] (WO2023/076709)
[30] US (63/274,450) 2021-11-01

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[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/433 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/454 (2006.01) A61K 31/4709 (2006.01) A61K 31/4745 (2006.01) A61K 31/497 (2006.01) A61K 31/4985 (2006.01) A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61K 31/536 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] BEVERIDGE, RAMSAY, CA
[72] BURCH, JASON, CA
[72] FADER, LEE, CA
[72] BOILY, MARC-OLIVIER, CA
[72] ST-ONGE, MIGUEL, CA
[72] DORICH, STEPHANE, CA
[72] CHAGNON, FELIX, CA
[72] DURET, GUILLAUME, CA
[71] VENTUS THERAPEUTICS U.S., INC., US
[85] 2024-04-26
[86] 2022-11-07 (PCT/US2022/049091)
[87] (WO2023/081441)
[30] US (63/276,927) 2021-11-08

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[51] **Int.Cl. C09K 8/40 (2006.01) C09K 8/42 (2006.01) C09K 8/50 (2006.01) C09K 8/60 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF APHRON SEALING LOST CIRCULATION SPACER**
[54] **COMPOSITIONS D'ESPACEUR DE CIRCULATION PERDUE D'ETANCHEITE APHRON**
[72] SCHULTZ, GARRETT, US
[72] CLARK, JORDAN, US
[71] SELECT CHEMISTRY, LLC, US
[85] 2024-04-26
[86] 2022-11-10 (PCT/US2022/049576)
[87] (WO2023/101801)
[30] US (63/284,868) 2021-12-01

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **LEAFLET ASSEMBLIES AND METHODS FOR ATTACHING LEAFLETS TO A FRAME OF AN EXPANDABLE PROSTHETIC HEART VALVE**
[54] **ENSEMBLES DE LAMES ET PROCEDES DE FIXATION DE LAMES A UN CADRE D'UNE VALVULE CARDIAQUE PROTHETIQUE EXPANSIBLE**
[72] LEVI, TAMIR S., IL
[72] SHERMAN, ELENA, IL
[72] LAZOVSKI, SHIR, IL
[72] YOHANAN, ZIV, IL
[72] GUROVICH, NIKOLAI, IL
[72] PHAM, BICH HOANG, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-04-26
[86] 2022-11-11 (PCT/US2022/049666)
[87] (WO2023/086548)
[30] US (63/278,922) 2021-11-12
[30] US (63/300,302) 2022-01-18
[30] US (63/343,359) 2022-05-18

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[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/5025 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING MDS-ASSOCIATED ANEMIAS AND OTHER CONDITIONS**
[54] **COMPOSES POUR LE TRAITEMENT D'ANEMIES ASSOCIEES AU MDS ET D'AUTRES AFFECTIONS**
[72] BEYNON, VANESSA, US
[72] BHATIA, SUMAN JOY, US
[72] DANG, LENNY, US
[72] DIBACCO, MELISSA L., US
[72] IYER, VARSHA V., US
[72] KUNG, CHARLES, US
[72] LYNCH, MEGAN, US
[72] YIN, OPHELIA QIPING, US
[72] URBSTONAITIS, ROLANDAS, US
[72] XIAO, ZHEN, US
[71] AGIOS PHARMACEUTICALS, INC., US
[85] 2024-04-26
[86] 2022-11-15 (PCT/US2022/049969)
[87] (WO2023/091414)
[30] US (63/280,069) 2021-11-16
[30] US (63/357,240) 2022-06-30

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[13] A1
[51] **Int.Cl. H01Q 9/28 (2006.01) H01Q 17/00 (2006.01) H01P 5/10 (2006.01) H01Q 1/36 (2006.01)**
[25] EN
[54] **BEAM STEERING AND NULLING FOR A DIFFERENTIALLY SEGMENTED APERTURE ANTENNA**
[54] **ORIENTATION ET ANNULATION DE FAISCEAU POUR UNE ANTENNE A OUVERTURE SEGMENTEE DE MANIERE DIFFERENTIELLE**
[72] PERKINS, DANIEL A., US
[72] WELSH, RAPHAEL J., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078857)
[87] (WO2023/077055)
[30] US (63/273,346) 2021-10-29

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[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) A61N 7/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING DISEASES ASSOCIATED WITH CELLULAR-ENERGY DEFICIENCY OR MITOCHONDRIAL DYSFUNCTION BY LOCOREGIONAL DELIVERY OF EXTRACELLULAR VESICLES THAT HAVE A CARGO WITH AN ENHANCED BIOENERGETIC PROFILE**
[54] **METHODES DE TRAITEMENT DE MALADIES ASSOCIEES A UN DYSFONCTIONNEMENT MITOCHONDRIAL OU A UNE DEFICIENCE EN ENERGIE CELLULAIRE PAR ADMINISTRATION LOCOREGIONALE DE VESICULES EXTRACELLULAIRES PORTANT UNE CARGAISON PRESENTANT UN PROFIL BIOENERGETIQUE AMELIORE**
[72] THAKOR, AVNESH S., US
[72] CHETTY, SHASHANK, US
[72] REGMI, SHOBHA, US
[72] GANGULY, ABANTIKA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-04-26
[86] 2022-11-01 (PCT/US2022/079066)
[87] (WO2023/077160)
[30] US (63/274,234) 2021-11-01

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[13] A1
[51] **Int.Cl. G06T 7/20 (2017.01) G06V 10/22 (2022.01) G06V 10/25 (2022.01) G06V 10/26 (2022.01) G06V 20/40 (2022.01) G06V 20/52 (2022.01) G06V 20/70 (2022.01)**
[25] EN
[54] **IDENTIFYING REGIONS OF INTEREST IN AN IMAGING FIELD OF VIEW**
[54] **IDENTIFICATION DE REGIONS D'INTERET DANS CHAMP DE VISION D'IMAGERIE**
[72] JACOB, JACQUILENE, US
[71] SIMPLISAFE, INC., US
[85] 2024-04-26
[86] 2022-11-16 (PCT/US2022/050037)
[87] (WO2023/091444)
[30] US (63/280,478) 2021-11-17
[30] US (17/831,608) 2022-06-03

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[13] A1
[51] **Int.Cl. C08F 230/02 (2006.01) C08F 220/56 (2006.01) C09K 8/035 (2006.01)**
[25] EN
[54] **POLYMERIZABLE PHOSPHONIC ACID (SALT) AND PREPARATION METHOD THEREFOR, COPOLYMER AND DRILLING FLUID**
[54] **ACIDE PHOSPHONIQUE POLYMERISABLE (SEL) ET PROCEDE DE PREPARATION S'Y RAPPORTANT, COPOLYMERE ET FLUIDE DE FORAGE**
[72] SUN, ZHENFENG, CN
[72] ZHAO, KAIQIANG, CN
[72] YANG, CHAO, CN
[72] WANG, CHEN, CN
[72] LI, JIE, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS CO., LTD., CN
[85] 2024-04-29
[86] 2022-10-27 (PCT/CN2022/127923)
[87] (WO2023/072189)
[30] CN (202111278542.1) 2021-10-30
[30] CN (202111278543.6) 2021-10-30
[30] CN (202111278544.0) 2021-10-30

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[13] A1
[51] **Int.Cl. A61K 31/4188 (2006.01) A61K 31/4709 (2006.01) A61K 31/7048 (2006.01) A61K 45/06 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **ALDOSTERONE SYNTHASE INHIBITORS FOR TREATING CHRONIC KIDNEY DISEASE**
[54] **INHIBITEURS DE L'ALDOSTERONE SYNTHASE POUR LE TRAITEMENT D'UNE NEPHROPATHIE CHRONIQUE**
[72] CRONIN, LISA V., US
[72] HAUSKE, SIBYLLE JENNY, DE
[72] RUETTEN, HARTMUT, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2024-04-26
[86] 2022-12-13 (PCT/US2022/052631)
[87] (WO2023/114170)
[30] US (63/289,177) 2021-12-14

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[13] A1
[51] **Int.Cl. G01N 30/86 (2006.01) A61K 39/00 (2006.01) A61K 39/39 (2006.01) C07K 16/00 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE DEGREE OF OXIDATIVE DEGRADATION OF POLYSORBATE 20 IN AQUEOUS FORMULATIONS**
[54] **METHODE DE DETERMINATION DU DEGRE DE DEGRADATION OXYDATIVE DE POLYSORBATE 20 DANS DES FORMULATIONS AQUEUSES**
[72] ZEUN, ALINE, DE
[72] HALBACH, FELIX, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2024-04-29
[86] 2022-12-19 (PCT/EP2022/086583)
[87] (WO2023/117858)
[30] EP (21215813.3) 2021-12-20

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[13] A1
[51] **Int.Cl. H01M 4/92 (2006.01)**
[25] EN
[54] **PLATINUM-CARBON CATALYST AND PREPARATION PROCESS AND USE THEREOF AND HYDROGEN FUEL CELL**
[54] **CATALYSEUR A BASE DE PLATINE-CARBONE, SON PROCEDE DE PREPARATION ET SON APPLICATION, ET PILE A COMBUSTIBLE A BASE D'HYDROGENE**
[72] GU, XIANRUI, CN
[72] WANG, HOUPENG, CN
[72] ZHANG, JIAKANG, CN
[72] PENG, QIAN, CN
[72] XIE, NANHONG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] SINOPEC RESEARCH INSTITUTE OF PETROLEUM PROCESSING CO., LTD., CN
[85] 2024-04-29
[86] 2022-10-31 (PCT/CN2022/128609)
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[54] **A TWICE-SHREDDED CRUNCHY MEAT JERKY**
[54] **CHARQUE DE VIANDE CROQUANT DECHIQUETE DEUX FOIS**
[72] PRADO, LUCAS ALFREDO, US
[71] PRADO, LUCAS ALFREDO, US
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[54] **ANTHELMINTIC PYRROLOPYRIDAZINE COMPOUNDS**
[54] **COMPOSES DE PYRROLOPYRIDAZINE ANTHELMINTHIQUES**
[72] KOOLMAN, HANNES, FIEPKO, DE
[72] HERLE, BART, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
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[25] EN
[54] **A METHOD FOR THE PRODUCTION OF A MATTE MULTILAYER SURFACE WITH AN INCREASED HAPTIC EFFECT AND A MULTILAYER SURFACE**
[54] **PROCEDE DE FABRICATION D'UNE SURFACE MULTICOUCHE MATE A EFFET HAPTIQUE ACCRU ET SURFACE MULTICOUCHE**
[72] SZEJWIAN, JERZY, PL
[72] SMUS, MICHAL, PL
[72] KONIECZNY, KRZYSZTOF, PL
[72] NOWAK, MATEUSZ, PL
[71] SCHATTDECOR SP. Z O.O., PL
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[25] EN
[54] **HEAT EXCHANGER, IN PARTICULAR SHELL-AND-TUBE HEAT EXCHANGER, FOR ARRANGEMENT IN A ROTOR HAVING AN AXIS OF ROTATION**
[54] **ECHANGEUR DE CHALEUR, EN PARTICULIER ECHANGEUR DE CHALEUR A CALANDRE, POUR AGENCEMENT DANS UN ROTOR A AXE DE ROTATION**
[72] ADLER, BERNHARD, AT
[72] LANGAUER, ANDREAS, AT
[72] RAKUSCH, CHRISTIAN, AT
[71] ECOP TECHNOLOGIES GMBH, AT
[85] 2024-04-29
[86] 2022-12-22 (PCT/EP2022/087405)
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[54] **METHODS OF INCREASING ROOT ENDOSYMBIOSIS**
[54] **PROCEDES D'AUGMENTATION DE L'ENDOSYMBIOSE RACINAIRE**
[72] CHARPENTIER, MYRIAM, GB
[71] JOHN INNES CENTRE, GB
[85] 2024-04-29
[86] 2022-10-29 (PCT/EP2022/080314)
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[54] **CONNECTOR AND APPARATUS**
[54] **CONNECTEUR ET APPAREIL**
[72] POMERING, AMY, SE
[71] MIPS AB, SE
[85] 2024-04-29
[86] 2022-10-28 (PCT/EP2022/080228)
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[25] EN
[54] **SYSTEM AND METHOD FOR INTRAOPERATIVE LIFETIME IMAGING**
[54] **SYSTEME ET PROCEDE D'IMAGERIE DE DUREE DE VIE PEROPERATOIRE**
[72] KUMAR, ANAND T.N., US
[72] PAL, RAHUL, US
[72] KRISHNAMOORTHY, MURALI, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2024-04-26
[86] 2022-10-25 (PCT/US2022/078656)
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[25] EN
[54] **CITRIC ACID-CATALYSED CURRAN MODIFIED CARD BOARD MATERIALS**
[54] **MATERIAU DE CARTON MODIFIE PAR CURAN CATALYSE PAR ACIDE CITRIQUE**
[72] WHALE, ERIC ARRON, GB
[72] HEPWORTH, DAVID GWYDDON, GB
[72] KISBYE, KENNETH, DK
[72] BARDENSHTEIN, ALEXANDER, DK
[71] CELLUCOMP LIMITED, GB
[71] TEKNOLOGISK INSTITUT, DK
[85] 2024-04-29
[86] 2022-11-02 (PCT/EP2022/080516)
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[25] EN
[54] **A STABLE HERBICIDAL COMPOSITION**
[54] **COMPOSITION HERBICIDE STABLE**
[72] MERTES, ADRIEN, BE
[72] PIROTTE, ALAN, BE
[71] UPL CORPORATION LIMITED, MU
[71] UPL EUROPE LTD, GB
[85] 2024-04-29
[86] 2022-11-02 (PCT/GB2022/052757)
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[51] **Int.Cl. A63G 31/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **CONVEYOR SYSTEMS WITH ANIMATED ELEMENTS**
[54] **SYSTEMES DE TRANSPORTEUR A ELEMENTS ANIMES**
[72] SHUM, CHRISTINA, US
[72] AMASON, HALEY JANE, US
[72] COLON, ELIZABETH TERESA, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2024-05-01
[86] 2022-11-21 (PCT/US2022/050593)
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[25] EN
[54] **BEAM STEERING AND DIRECTION FINDING FOR A DIFFERENTIALLY SEGMENTED APERTURE ANTENNA**
[54] **ORIENTATION DE FAISCEAU ET RECHERCHE DE DIRECTION POUR UNE ANTENNE A OUVERTURE SEGMENTEE DE MANIERE DIFFERENTIELLE**
[72] PERKINS, DANIEL A., US
[72] WELSH, RAPHAEL J., US
[72] THORNTON, DOUGLAS A., US
[72] LAU, JEFFREY A., US
[72] LOESCH, DANIEL G., US
[72] FEDORYKA, DAMIAN B., US
[72] KANKE, ROGER, US
[72] PITTS, SHANNON, US
[71] BATTELLE MEMORIAL INSTITUTE, US
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[54] **AKT3 MODULATORS**
[54] **MODULATEURS D'AKT3**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[72] MACCOSS, MALCOLM, US
[71] GEORGIAMUNE INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/079290)
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[25] EN
[54] **CIRCUIT ARCHITECTURES FOR A DIFFERENTIALLY SEGMENTED APERTURE ANTENNA**
[54] **ARCHITECTURES DE CIRCUIT POUR UNE ANTENNE A OUVERTURE SEGMENTEE DE MANIERE DIFFERENTIELLE**
[72] WELSH, RAPHAEL J., US
[72] PERKINS, DANIEL A., US
[72] LOESCH, DANIEL G., US
[72] THORNTON, DOUGLAS A., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[85] 2024-04-26
[86] 2022-10-28 (PCT/US2022/078843)
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[51] **Int.Cl. A45D 34/04 (2006.01) A45D 40/28 (2006.01)**
[25] EN
[54] **SKIN LOTION DISPENSER**
[54] **DISTRIBUTEUR DE LOTION POUR LA PEAU**
[72] ASPLAND, KELLI JAYNE, GB
[72] WATERS, LAURA JAYNE, GB
[71] ASPLAND, KELLI JAYNE, GB
[71] WATERS, LAURA JAYNE, GB
[85] 2024-05-01
[86] 2022-05-03 (PCT/GB2022/051116)
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[25] EN
[54] **SYSTEM AND METHOD FOR CONVERTING WASTE HEAT INTO ELECTRICITY**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE CHALEUR PERDUE D'ASSEMBLAGES D'EQUIPEMENT INFORMATIQUE EN ELECTRICITE**
[72] RAPHALS, PHILIP, CA
[72] BERTENYI, TAMAS, CA
[72] NAUDIN, JORIS, CA
[71] NOVOPOWER INTERNATIONAL INC., CA
[85] 2024-04-29
[86] 2022-10-31 (PCT/IB2022/060466)
[87] (WO2023/073660)
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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/435 (2006.01) A61K 31/4545 (2006.01) A61K 31/403 (2006.01)**
[25] EN
[54] **AKT3 MODULATORS**
[54] **MODULATEURS D'AKT3**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[72] MACCOSS, MALCOLM, US
[71] GEORGIAMUNE INC., US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/079326)
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[51] **Int.Cl. A01B 59/00 (2006.01) A01B 59/04 (2006.01)**
[25] EN
[54] **MOUNTING DEVICE OF AGRICULTURAL WORK MACHINE**
[54] **DISPOSITIF DE MONTAGE DE MACHINE DE TRAVAIL AGRICOLE**
[72] YANG, DONG HO, KR
[72] PARK, JAE SEOP, KR
[72] NA, GUN YOUNG, KR
[72] KI, JUNG SIK, KR
[72] PARK, GI MYEONG, KR
[71] LS MTRON LTD., KR
[85] 2024-05-01
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[51] **Int.Cl. B01J 21/04 (2006.01) B01J 23/16 (2006.01) C10K 3/02 (2006.01)**
[25] EN
[54] **IMPROVED CO2 HYDROGENATION CATALYSTS FOR THE COMMERCIAL PRODUCTION OF SYNGAS**
[54] **CATALYSEURS D'HYDROGENATION CO2 AMELIORES POUR LA PRODUCTION COMMERCIALE DE GAZ DE SYNTHESE**
[72] SCHUETZLE, DENNIS, US
[72] SCHUETZLE, ROBERT, US
[72] GALLOWAY, ANJA RUMPLECKER, US
[72] HANBURY, ORION, US
[71] INFINIUM TECHNOLOGY, LLC, US
[85] 2024-04-29
[86] 2022-11-04 (PCT/US2022/000027)
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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/435 (2006.01) A61K 31/4545 (2006.01) A61K 31/403 (2006.01)**
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[54] **AKT3 MODULATORS**
[54] **MODULATEURS D'AKT3**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[72] MACCOSS, MALCOLM, US
[71] GEORGIAMUNE INC., US
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[86] 2022-11-04 (PCT/US2022/079334)
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[51] **Int.Cl. H04N 7/15 (2006.01) G16H 80/00 (2018.01) H04L 51/046 (2022.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR TELESUPERVISION OF SERVICE PROVIDERS OF COUNSELING OR MEDICAL SERVICES**
[54] **APPAREILS ET PROCEDES DE TELESURVEILLANCE DE FOURNISSEURS DE SERVICES DE CONSEIL OU DE SERVICES MEDICAUX**
[72] BANDEALY, AHAD KARAMALI, US
[72] CHAN, RUSSELL, CA
[71] GET A-HEAD INC., CA
[85] 2024-05-01
[86] 2022-11-03 (PCT/CA2022/051626)
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[30] US (63/263,598) 2021-11-05

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[51] **Int.Cl. C12N 5/0783 (2010.01) G01N 33/50 (2006.01) G01N 33/566 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **UNIVERSAL TIL CYTOTOXICITY ASSAY**
[54] **ESSAI DE CYTOTOXICITE IMPLIQUANT DES TIL UNIVERSELS**
[72] BEATTY, MATTHEW, US
[72] DAVILA, MARCO, US
[72] PILON-THOMAS, SHARI, US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
[85] 2024-05-01
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[51] **Int.Cl. A61K 31/167 (2006.01) C07D 213/74 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **AKT3 MODULATORS**
[54] **MODULATEURS D'AKT3**
[72] KHLEIF, SAMIR, US
[72] MKRTICHYAN, MIKAYEL, US
[72] MACCOSS, MALCOLM, US
[71] GEORGIAMUNE INC., US
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[86] 2022-11-04 (PCT/US2022/079344)
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[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **METHOD OF PRODUCING AN ANTIBODY PEPTIDE CONJUGATE**
[54] **PROCEDE DE FABRICATION D'UN CONJUGUE ANTICORPS-PEPTIDES**
[72] DIEP, JONATHAN, US
[71] AMGEN INC., US
[85] 2024-04-29
[86] 2022-11-08 (PCT/US2022/079479)
[87] (WO2023/086790)
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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **RESPIRATORY SYNCYTIAL VIRUS RNA VACCINE**
[54] **VACCIN A ARN CONTRE LE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] CASIMIRO, DANILO, US
[72] GOPANI, HARDIP RAJESHBHAI, FR
[72] DINAPOLI, JOSHUA, US
[72] ZHANG, LINONG, US
[72] GOLDMAN, REBECCA L., FR
[72] CHIVUKULA, SUDHA, US
[72] GALLICHAN, WILLIAM SCOTT, CA
[72] PARRINGTON, MARK, US
[71] SANOFI, FR
[85] 2024-05-01
[86] 2022-11-04 (PCT/IB2022/060639)
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[30] US (63/276,233) 2021-11-05
[30] EP (22315065.7) 2022-03-16

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[51] **Int.Cl. C12N 1/14 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12N 15/70 (2006.01) C12P 17/10 (2006.01)**
[25] EN
[54] **METHODS FOR THE IMPROVED PRODUCTION OF PSILOCYBIN AND INTERMEDIATES OR SIDE PRODUCTS THROUGH ENZYME OPTIMIZATION**
[54] **PROCEDES POUR LA PRODUCTION AMELIOREE DE PSILOCYBINE ET D'INTERMEDIAIRES OU DE PRODUITS SECONDAIRES PAR OPTIMISATION ENZYMATIQUE**
[72] JONES, JOHN ANDREW, US
[72] MCKINNEY, MADELINE, US
[71] MIAMI UNIVERSITY, US
[85] 2024-05-01
[86] 2022-11-04 (PCT/US2022/079308)
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[30] US (63/263,607) 2021-11-05

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[51] **Int.Cl. A63B 21/008 (2006.01) A63B 21/08 (2006.01) A63B 23/12 (2006.01) A63B 24/00 (2006.01) A63B 23/035 (2006.01)**
[25] EN
[54] **SHOULDER STRENGTHENING SYSTEMS**
[54] **SYSTEMES DE RENFORCEMENT DES EPAULES**
[72] MICKOLIO, KOLE, US
[72] MICKOLIO, KAMERON, US
[72] MAUGHAN, RORY, US
[72] MEYER, SETH, US
[71] TITIN KM BIOMEDICAL CORP., US
[85] 2024-04-29
[86] 2022-10-05 (PCT/US2022/045755)
[87] (WO2023/080978)
[30] US (63/277,071) 2021-11-08
[30] US (PCT/US2022/023150) 2022-04-01

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[13] A1
[51] **Int.Cl. G01N 5/04 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **METHOD OF SAMPLING AND ANALYZING PROPERTIES OF DISCHARGED FILTER CAKE AND APPARATUS THEREOF**
[54] **PROCEDE D'ECHANTILLONNAGE ET D'ANALYSE DE PROPRIETES D'UN GATEAU DE FILTRATION EVACUE, ET APPAREIL ASSOCIE**
[72] SOK, THIEN, US
[72] HIDDING, MICHAEL, AU
[72] BRUCE, TREVOR, ZA
[72] CHAPONNEL, JAMES, US
[71] FLSMIDTH A/S, DK
[85] 2024-04-29
[86] 2022-11-01 (PCT/IB2022/060514)
[87] (WO2023/079437)
[30] US (63/274,584) 2021-11-02

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[13] A1
[51] **Int.Cl. H01M 4/36 (2006.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) H01M 10/052 (2010.01) H01M 4/02 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE MATERIAL, POSITIVE ELECTRODE INCLUDING THE SAME, AND LITHIUM SECONDARY BATTERY**
[54] **MATERIAU DE CATHODE, ET BATTERIE SECONDAIRE AU LITHIUM ET CATHODE LE COMPRENANT**
[72] HAN, GI BEOM, KR
[72] KIM, JONG WOO, KR
[72] LEE, SANG WOOK, KR
[72] KIM, HAK YOON, KR
[72] BAEK, SO RA, KR
[72] LHO, EUN SOL, KR
[72] HAN, JUNG MIN, KR
[72] JUNG, HAE JUNG, KR
[72] JUNG, WANG MO, KR
[72] LEE, YOUNG HWAN, KR
[72] CHUNG, DAE SIK, KR
[72] PARK, SU HAN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-04-29
[86] 2022-11-02 (PCT/KR2022/017061)
[87] (WO2023/080643)
[30] KR (10-2021-0150057) 2021-11-03

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SPECIFIC CONJUGATION OF AN ANTIBODY**
[54] **CONJUGAISON SPECIFIQUE D'UN ANTICORPS**
[72] ZHAO, ROBERT, US
[72] YANG, QINGLIANG, CN
[72] LIU, XIAOLEI, CN
[72] ZHANG, LINGLI, CN
[72] HUANG, YUANYUAN, CN
[72] LI, WENJUN, CN
[72] YE, HANGBO, CN
[72] WANG, JUAN, CN
[72] GUO, HUIHUI, CN
[72] ZHOU, YOU, CN
[71] HANGZHOU DAC BIOTECH CO., LTD., CN
[85] 2024-05-01
[86] 2021-11-03 (PCT/CN2021/128453)
[87] (WO2022/078524)

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[51] **Int.Cl. C12M 1/34 (2006.01) C12Q 1/6886 (2018.01) C12Q 1/02 (2006.01) G06T 7/60 (2017.01)**
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[54] **CELLULAR MEASUREMENT CALIBRATION AND CLASSIFICATION**
[54] **ETALONNAGE ET CLASSIFICATION DE MESURES CELLULAIRES**
[72] KIMMERLING, ROBERT, US
[72] OLCUM, SELIM, US
[72] STEVENS, MARK, US
[71] TRAVERA, INC., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/US2022/048390)
[87] (WO2023/076661)
[30] US (63/274,255) 2021-11-01

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[51] **Int.Cl. G01S 13/74 (2006.01) G01S 19/10 (2010.01) G01S 19/11 (2010.01) G01S 19/45 (2010.01) G01S 3/02 (2006.01) G01S 5/02 (2010.01)**
[25] EN
[54] **NETWORK TRAFFIC LATENCY EQUALIZING**
[54] **EGALISATION DE LATENCE DE TRAFIC DE RESEAU**
[72] BROWN, JAMIE AARON, US
[72] MCWHIRTER, STEPHEN RUSSELL, US
[72] KAPELYAN, ELYA JOSEPH, US
[72] MOHAN, CRAIG JOHN, US
[72] MILAM, CHAD, US
[71] SK3W TECHNOLOGIES INC., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/US2022/048496)
[87] (WO2023/076705)
[30] US (63/273,319) 2021-10-29

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[51] **Int.Cl. B01L 1/00 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6851 (2018.01) B01L 3/00 (2006.01) B01L 9/00 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONTROLLING ASSAY PROCESSES IN A SAMPLE-TO-ANSWER DEVICE AND METHOD OF USE THEREOF**
[54] **APPAREIL POUR COMMANDER DES PROCESSUS DE DOSAGE DANS UN DISPOSITIF ECHANTILLON A REPONSE ET SON PROCEDE D'UTILISATION**
[72] PAIS, ROHAN, US
[72] PAIS, ANDREA, US
[72] CAMPBELL, DAVID, US
[72] GRZANKA, ANDREW, US
[72] ZAKIELARZ, SEAN, US
[72] NISBETT, TREVORNE, US
[72] JODA, HAMDI, US
[71] NOVEL MICRODEVICES, INC., US
[85] 2024-04-29
[86] 2022-11-01 (PCT/US2022/048636)
[87] (WO2023/076747)
[30] US (63/274,507) 2021-11-01
[30] US (63/274,510) 2021-11-01

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[25] EN
[54] **IGA FC AND IGG FC TANDEM PROTEIN CONSTRUCTS**
[54] **CONSTRUCTIONS PROTEIQUES TANDEM FC D'IGA ET FC D'IGG**
[72] ANDERSEN, JAN TERJE, NO
[72] FOSS, STIAN, NO
[72] MESTER, SIMONE, NO
[71] OSLO UNIVERSITETSSYKEHUS HF, NO
[71] UNIVERSITETET I OSLO, NO
[85] 2024-05-01
[86] 2022-11-07 (PCT/EP2022/080998)
[87] (WO2023/079147)
[30] GB (2115957.9) 2021-11-05

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[13] A1
[51] **Int.Cl. E06B 9/36 (2006.01)**
[25] EN
[54] **MOTORIZED VERTICAL BLIND ASSEMBLY**
[54] **ENSEMBLE STORE VERTICAL MOTORISE**
[72] BOHLEN, JORG, NL
[72] LILIENTHAL, HEIKO, NL
[72] FAROKHYAR, KIYOUMARS, NL
[71] HUNTER DOUGLAS INDUSTRIES B.V., NL
[85] 2024-05-01
[86] 2022-10-28 (PCT/EP2022/080210)
[87] (WO2023/078796)
[30] GB (2115848.0) 2021-11-04

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[13] A1
[51] **Int.Cl. C06B 33/02 (2006.01) C09K 8/52 (2006.01) C09K 8/592 (2006.01) E21B 29/02 (2006.01)**
[25] EN
[54] **A CHEMICAL REACTION HEAT SOURCE COMPOSITION FOR USE IN DOWNHOLE OPERATIONS AND ASSOCIATED APPARATUS AND METHODS**
[54] **COMPOSITION DE SOURCE DE CHALEUR A REACTION CHIMIQUE A UTILISER DANS DES OPERATIONS DE FOND DE TROU ET APPAREIL ET PROCEDES ASSOCIES**
[72] LEVCHENKO, ANDRE, GB
[72] CLARK, BILLY, GB
[72] HUGHES, CLAY, GB
[72] TALAPATRA, DIDHITI, GB
[72] CARRAGHER, PAUL, GB
[71] BISN TEC LTD, GB
[85] 2024-05-01
[86] 2022-11-07 (PCT/GB2022/052813)
[87] (WO2023/079313)
[30] GB (2115949.6) 2021-11-05

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[51] **Int.Cl. A61J 1/06 (2006.01) A61J 1/20 (2006.01) B01L 3/00 (2006.01) B65B 29/10 (2006.01) B65B 47/04 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR CONTAINING AND DISPENSING REAGENT INTO A MICROFLUIDIC CARTRIDGE FOR USE IN POINT-OF-CARE DEVICES**
[54] **APPAREIL POUR CONTENIR ET DISTRIBUER UN REACTIF DANS UNE CARTOUCHE MICROFLUIDIQUE DESTINEE A ETRE UTILISEE DANS DES DISPOSITIFS DE POINT DE SOINS**
[72] PAIS, ROHAN, US
[72] PAIS, ANDREA, US
[72] FITZELL, JOHN, US
[72] GRZANKA, ANDREW, US
[72] CAMPBELL, DAVID, US
[72] ZAKIELARZ, SEAN, US
[71] NOVEL MICRODEVICES, INC., US
[85] 2024-04-29
[86] 2022-11-01 (PCT/US2022/048637)
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[30] US (63/274,502) 2021-11-01

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 47/64 (2017.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **VACCINE AGAINST PANCREATIC CANCER, AND MEDICAL USE THEREOF**
[54] **VACCIN CONTRE LE CANCER DU PANCREAS ET SON UTILISATION MEDICALE**
[72] CAI, JIONG, CN
[71] YUANBEN (ZHUHAI HENGQIN) BIOTECHNOLOGY CO., LTD., CN
[85] 2024-05-01
[86] 2022-08-25 (PCT/CN2022/114956)
[87] (WO2023/077924)
[30] CN (202111301004.X) 2021-11-04

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[51] **Int.Cl. C07K 5/02 (2006.01) C07K 5/027 (2006.01) C07K 16/00 (2006.01) C07K 16/30 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **NOVEL AURISTATIN ANALOGS AND IMMUNOCONJUGATES THEREOF**
[54] **NOUVEAUX ANALOGUES D'AURISTATINE ET IMMUNOCONJUGUES DE CEUX-CI**
[72] LI, RICHARD HUI, US
[72] LEE, DONG JUN, US
[71] ADCENTRX THERAPEUTICS INC., US
[85] 2024-04-29
[86] 2022-11-02 (PCT/US2022/048735)
[87] (WO2023/081230)
[30] US (63/275,177) 2021-11-03
[30] US (63/295,476) 2021-12-30

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[13] A1
[51] **Int.Cl. G01N 33/542 (2006.01) G01N 33/573 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **FRET ENZYMATIC SUBSTRATE AND USES THEREOF IN LUNG CANCER**
[54] **SUBSTRAT ENZYMATIQUE FRET ET SES UTILISATIONS DANS LE CANCER DU POUMON**
[72] LESNER, ADAM, PL
[72] GRUBA, NATALIA, PL
[71] URTESTE S.A., PL
[85] 2024-05-01
[86] 2022-12-05 (PCT/PL2022/050088)
[87] (WO2023/106945)
[30] PL (P.439760) 2021-12-07

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[13] A1
[51] **Int.Cl. B01D 21/26 (2006.01) B04C 3/06 (2006.01) B04C 9/00 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR REMOVING PARTICULATE MATERIALS FROM A LIQUID STREAM**
[54] **APPAREIL POUR ELIMINER DES MATIERES PARTICULAIRES D'UN FLUX DE LIQUIDE**
[72] MELLING, GERARD, GB
[71] GM INNOVATIONS LIMITED, GB
[85] 2024-05-01
[86] 2022-11-01 (PCT/EP2022/080459)
[87] (WO2023/078874)
[30] GB (2115737.5) 2021-11-02
[30] GB (2207689.7) 2022-05-25

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[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/4427 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) C07D 213/04 (2006.01) C07D 253/02 (2006.01) C07D 253/06 (2006.01)**
[25] EN
[54] **DRUG CONJUGATES AND METHODS OF PREPARING AND USING THE SAME**
[54] **CONJUGUES DE MEDICAMENT ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] LI, RICHARD HUI, US
[72] LEE, DONG JUN, US
[72] CHU-KUNG, ALEXANDER FANN-YAN, US
[72] NYE, ERIN MORGAN, US
[72] MAHLOCH, ALEXIS BROOKE, US
[71] ADCENTRX THERAPEUTICS INC., US
[85] 2024-04-29
[86] 2022-11-02 (PCT/US2022/048739)
[87] (WO2023/081232)
[30] US (63/275,403) 2021-11-03

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[13] A1
[51] **Int.Cl. A61K 31/712 (2006.01) C12N 15/113 (2010.01) A61K 31/7125 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR REDUCING PSD3 EXPRESSION**
[54] **COMPOSES ET METHODES POUR REDUIRE L'EXPRESSION DE PSD3**
[72] BUI, HUYNH-HOA, US
[72] FREIER, SUSAN M., US
[72] LEE, RICHARD, US
[71] IONIS PHARMACEUTICALS, INC., US
[85] 2024-04-29
[86] 2022-10-31 (PCT/IB2022/060478)
[87] (WO2023/073661)
[30] US (63/274,405) 2021-11-01

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[51] **Int.Cl. A61K 31/045 (2006.01) A61K 31/05 (2006.01) A61K 31/33 (2006.01) A61K 31/403 (2006.01)**
[25] EN
[54] **SYNTHETIC CANNABINOID COMPOUNDS, PHARMACEUTICAL COMPOSITIONS, AND TREATMENT METHODS**
[54] **COMPOSES CANNABINOIDES SYNTHETIQUES, COMPOSITIONS PHARMACEUTIQUES ET METHODES DE TRAITEMENT**
[72] WILLIAMS, JONNIE R., US
[71] MIRALOGX LLC, US
[85] 2024-05-01
[86] 2022-11-22 (PCT/US2022/050757)
[87] (WO2023/096918)
[30] US (63/283,431) 2021-11-27
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[13] A1
[51] **Int.Cl. A61K 38/07 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATES AGAINST THE RECEPTOR TYROSINE KINASE EPHA5**
[54] **CONJUGUES ANTICORPS-MEDICAMENT DIRIGES CONTRE LE RECEPTEUR TYROSINE KINASE EPHA5**
[72] PASQUALINI, RENATA, US
[72] ARAP, WADIH, US
[72] STAQUICINI, FERNANDA I., US
[71] RUTGERS, THE STATE UNIVERSITY, US
[71] MBRACE THERAPEUTICS, INC., US
[85] 2024-05-01
[86] 2022-11-03 (PCT/US2022/079232)
[87] (WO2023/081766)
[30] US (63/275,346) 2021-11-03

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[13] A1
[51] **Int.Cl. C21D 1/673 (2006.01) B21D 22/02 (2006.01) B32B 15/01 (2006.01) C21D 1/02 (2006.01) C21D 6/00 (2006.01) C21D 8/00 (2006.01) C21D 8/02 (2006.01) C21D 9/00 (2006.01) C21D 9/46 (2006.01) C22C 38/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/38 (2006.01) C22C 38/44 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01) C22C 38/54 (2006.01) C22C 38/58 (2006.01) C23C 2/06 (2006.01) C25D 3/22 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A STEEL SHEET HAVING EXCELLENT PROCESSABILITY BEFORE HOT FORMING, STEEL SHEET, PROCESS TO MANUFACTURE A HOT STAMPED PART AND HOT STAMPED PART**
[54] **PROCEDE DE PRODUCTION D'UNE TOLE D'ACIER D'EXCELLENTE APTITUDE AU TRAITEMENT AVANT FORMAGE A CHAUD, TOLE D'ACIER, PROCEDE DE FABRICATION D'UNE PIECE ESTAMPEE A CHAUD ET PIECE ESTA MPEE A CHAUD**
[72] HERRY, DEBORAH, FR
[72] GERMAIN, FABRICE, FR
[72] PHILIPPOT, CLEMENT, FR
[72] LE GUILLARD, SANDRA, FR
[71] ARCELORMITTAL, LU
[85] 2024-04-29
[86] 2022-11-02 (PCT/IB2022/060556)
[87] (WO2023/079454)
[30] IB (PCT/IB2021/060246) 2021-11-05

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[13] A1
[51] **Int.Cl. G01S 13/00 (2006.01) G01B 9/02 (2022.01)**
[25] EN
[54] **QUANTUM ENTANGLEMENT ENHANCED RADAR**
[54] **RADAR AMELIORE A INTRICATION QUANTIQUE**
[72] HARVEY, CHARLES, US
[71] AMERICAN QUANTUM TECHNOLOGY LLC, US
[85] 2024-04-29
[86] 2022-11-03 (PCT/US2022/048768)
[87] (WO2023/081251)
[30] US (63/275,984) 2021-11-05

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[13] A1
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 41/00 (2020.01) A61K 47/18 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING P-BORONOPHENYLALANINE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE LA P-BORONOPHENYLALANINE**
[72] SATOMAA, TERO, FI
[72] NIEMELA, RITVA, FI
[72] SAARINEN, JUHANI, FI
[72] HELIN, JARI, FI
[71] TENBORON OY, FI
[85] 2024-05-01
[86] 2022-12-12 (PCT/FI2022/050826)
[87] (WO2023/111396)
[30] FI (20216268) 2021-12-13

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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/5025 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SOLID DISPERSION, PREPARATION METHOD THEREFOR, AND SOLID FORMULATION COMPRISING SAME**
[54] **DISPERSION SOLIDE, SON PROCEDE DE PREPARATION ET FORMULATION SOLIDE LA CONTENANT**
[72] GAN, YONG, CN
[72] ZHU, MIAO, CN
[72] MA, YUANHUI, CN
[72] LIU, LEI, CN
[72] GUO, SHIYAN, CN
[72] SHEN, JINGKANG, CN
[72] GENG, MEIYU, CN
[72] GAO, LI, CN
[72] XIONG, BING, CN
[71] HAIHE BIOPHARMA CO., LTD., CN
[85] 2024-05-01
[86] 2022-11-01 (PCT/CN2022/129074)
[87] (WO2023/078265)
[30] CN (202111308836.4) 2021-11-05

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[13] A1
[51] **Int.Cl. G06F 16/22 (2019.01) H04W 12/08 (2021.01) G06F 21/62 (2013.01) H04L 9/40 (2022.01)**
[25] EN
[54] **PRIVACY SENSITIVE ESTIMATION OF DIGITAL RESOURCE ACCESS FREQUENCY**
[54] **ESTIMATION DE FREQUENCE D'ACCES A DES RESSOURCES NUMERIQUES SENSIBLE A LA CONFIDENTIALITE**
[72] MANURANGSI, PASIN, TH
[72] RAVIKUMAR, SHANMUGASUNDARAM, US
[72] KAMATH, PRITISH, US
[72] GHAZI, BADIH, US
[72] WU, KEWEN, US
[71] GOOGLE LLC, US
[85] 2024-05-01
[86] 2023-10-19 (PCT/US2023/035471)
[87] (WO2024/086256)
[30] US (63/417,847) 2022-10-20

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **EXTENDABLE SPLICE TRAY**
[54] **PLATEAU D'EPISSURE EXTENSIBLE**
[72] CLINES, CAMERON, US
[72] LEVAC, DAN, US
[72] BECKER, MATT, US
[71] PREFORMED LINE PRODUCTS CO., US
[85] 2024-05-01
[86] 2022-10-31 (PCT/US2022/048427)
[87] (WO2023/076675)
[30] US (63/274,253) 2021-11-01

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) C12N 15/113 (2010.01) A61K 31/7105 (2006.01) A61K 31/7115 (2006.01) A61K 39/215 (2006.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **SELF-AMPLIFYING RNA COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'ARN AUTO-AMPLIFIANT ET LEURS PROCEDES D'UTILISATION**
[72] HONG, SUE-JEAN, US
[72] FIDANZA, MARIO, US
[72] JOOSS, KARIN, US
[71] GRITSTONE BIO, INC., US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/079505)
[87] (WO2023/081935)
[30] US (63/277,116) 2021-11-08

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[13] A1
[51] **Int.Cl. B01J 23/85 (2006.01) B01J 23/88 (2006.01) B01J 23/882 (2006.01) B01J 31/06 (2006.01) C01B 15/047 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **SUPPORTED HYDROTREATING CATALYSTS HAVING ENHANCED ACTIVITY**
[54] **CATALYSEURS D'HYDROTRAITEMENT SUPPORTES PRESENTANT UNE ACTIVITE AMELIOREE**
[72] VLAAR, TJOSTIL, NL
[72] VOGELAAR, BASTIAAN MAARTEN, NL
[72] RENKEMA-KRYSINA, VIKTORIA ANDREEVNA, NL
[72] VEERMAN, WILHELMUS CLEMENS JOZEF, NL
[72] EIJSBOUTS-SPICKOVA, SONA, NL
[71] KETJEN NETHERLANDS B.V., NL
[85] 2024-05-01
[86] 2022-11-04 (PCT/EP2022/080805)
[87] (WO2023/079070)
[30] US (63/276,194) 2021-11-05

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[13] A1
[51] **Int.Cl. B29B 11/08 (2006.01) B29C 49/06 (2006.01) B29C 49/12 (2006.01) B29C 49/20 (2006.01) B29C 49/48 (2006.01)**
[25] EN
[54] **TOOLING ASSEMBLY FOR FORMING A CONTAINER BY BLOW MOLDING**
[54] **ENSEMBLE D'OUTILLAGE POUR FORMER UN RECIPIENT PAR MOULAGE PAR SOUFFLAGE**
[72] STRAPEC, LAUREN, US
[72] LANE, MICHAEL T., US
[72] STELZER, JAMES, US
[72] MAST, LUKE A., US
[71] AMCOR RIGID PACKAGING USA, LLC, US
[85] 2024-05-01
[86] 2021-11-03 (PCT/US2021/072213)
[87] (WO2023/080908)

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06N 3/084 (2023.01) G06N 3/098 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **DIFFERENTIALLY PRIVATE SPLIT VERTICAL LEARNING**
[54] **APPRENTISSAGE VERTICAL FRACTIONNE A CONFIDENTIALITE DIFFERENTIELLE (DP)**
[72] GAWRON, GRZEGORZ, PL
[72] STUBBINGS, PHILIP, GB
[72] NGO, CHI LANG, GB
[71] LIVERAMP, INC., US
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/048661)
[87] (WO2023/081183)
[30] US (63/275,011) 2021-11-03

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[13] A1
[51] **Int.Cl. B65D 43/02 (2006.01) G02B 6/38 (2006.01) G02B 6/44 (2006.01) H01R 4/64 (2006.01) H01R 13/52 (2006.01) H01R 43/00 (2006.01) H02B 1/50 (2006.01) H02G 15/013 (2006.01) H02G 15/113 (2006.01) H02G 15/115 (2006.01) H01R 13/59 (2006.01) H01R 13/622 (2006.01) H02G 15/117 (2006.01) H02G 15/192 (2006.01)**
[25] EN
[54] **EXPANDABLE CLOSURE SYSTEM**
[54] **SYSTEME DE FERMETURE EXTENSIBLE**
[72] CIESIELCZYK, BENJAMIN FRANKLIN, US
[72] CLINES, CAMERON JOSEPH, US
[72] PALMER, JACOB JEFFREY, US
[71] PREFORMED LINE PRODUCTS CO., US
[85] 2024-05-01
[86] 2022-10-31 (PCT/US2022/048440)
[87] (WO2023/076680)
[30] US (63/274,259) 2021-11-01

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[13] A1
[51] **Int.Cl. B29C 33/38 (2006.01) B33Y 10/00 (2015.01) B33Y 50/00 (2015.01) B33Y 80/00 (2015.01) B29C 45/26 (2006.01) B29C 49/48 (2006.01) B29C 67/00 (2017.01) B29C 64/386 (2017.01) G06F 30/00 (2020.01)**
[25] EN
[54] **MODULAR ADDITIVE MANUFACTURING PROCESS**
[54] **PROCEDE DE FABRICATION ADDITIVE MODULAIRE**
[72] VARGO, JAKE A., US
[72] KUHN JR., BERNARD A., US
[72] GEERS, GREGORY A., US
[71] MATTHEWS INTERNATIONAL CORPORATION, US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/048527)
[87] (WO2023/076714)
[30] US (63/274,163) 2021-11-01

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[13] A1
[51] **Int.Cl. B22F 3/115 (2006.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/00 (2020.01) B29C 64/153 (2017.01) B22F 10/22 (2021.01)**
[25] EN
[54] **METAL DROPLET DEPOSITION SYSTEM**
[54] **SYSTEME DE DEPOT DE GOUTTELETTES METALLIQUES**
[72] MCCAMBRIDGE, MATTHEW, US
[72] SCHMITT, PETER, US
[71] FLUENT METAL INC., US
[85] 2024-05-01
[86] 2022-11-22 (PCT/US2022/050699)
[87] (WO2023/091782)
[30] US (63/281,919) 2021-11-22
[30] US (63/288,897) 2021-12-13

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[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) F24F 8/00 (2021.01)**
[25] EN
[54] **MODULAR RADIAL ADSORBER BED FOR DIRECT AIR CAPTURE**
[54] **LIT D'ADSORBEUR RADIAL MODULAIRE POUR LA CAPTURE DIRECTE D'AIR**
[72] SCHMITT, WOLFGANG, IE
[72] VAESEN, SEBASTIEN, IE
[71] THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH, NEAR DUBLIN, IE
[85] 2024-05-01
[86] 2022-11-14 (PCT/EP2022/081742)
[87] (WO2023/084069)
[30] GB (2116407.4) 2021-11-15

[21] **3,236,967**
[13] A1
[51] **Int.Cl. B01J 6/00 (2006.01) F27B 1/00 (2006.01)**
[25] EN
[54] **IMPROVEMENT IN A VERTICAL KILN**
[54] **AMELIORATION APPORTEE A UN FOUR VERTICAL**
[72] UNLU, CEMAL, TR
[71] UNLU, CEMAL, TR
[85] 2024-05-01
[86] 2022-11-04 (PCT/TR2022/051243)
[87] (WO2023/101643)
[30] TR (2021/018846) 2021-11-30

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[13] A1
[51] **Int.Cl. A61K 31/4152 (2006.01) A61K 31/045 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **APPLICATION OF COMPOSITION CONTAINING EDARAVONE AND DEXBORNEOL IN IMPROVING OR TREATING COGNITIVE IMPAIRMENT**
[54] **APPLICATION D'UNE COMPOSITION CONTENANT DE L'EDARAVONE ET DU DEXBORNEOL DANS L'AMELIORATION OU LE TRAITEMENT D'UNE DEFICIENCE COGNITIVE**
[72] ZHANG, ZHENGPING, CN
[72] WANG, LEI, CN
[72] CHEN, RONG, CN
[72] YANG, SHIBAO, CN
[72] REN, JINSHENG, CN
[71] NEURODAWN PHARMACEUTICAL CO., LTD., CN
[71] SIMCERE PHARMACEUTICAL CO., LTD, CN
[85] 2024-05-01
[86] 2022-11-03 (PCT/CN2022/129456)
[87] (WO2023/078325)
[30] CN (202111311631.1) 2021-11-08

[21] **3,236,971**
[13] A1
[51] **Int.Cl. G10L 15/197 (2013.01) G10L 15/06 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR UNSUPERVISED DISCOVERY OF UNIGRAMS IN SPEECH RECOGNITION SYSTEMS**
[54] **PROCEDE ET SYSTEME DE DECOUVERTE NON SUPERVISEE D'UNIGRAMMES DANS DES SYSTEMES DE RECONNAISSANCE VOCALE**
[72] HAIKIN, LEV, IL
[72] MAZZA, ARNON, IL
[72] ORBACH, EYAL, IL
[72] FAIZAKOF, AVRAHAM, IL
[71] GENESYS CLOUD SERVICES, INC., US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/049251)
[87] (WO2023/081504)
[30] US (17/520,816) 2021-11-08

[21] **3,236,973**
[13] A1
[51] **Int.Cl. A63B 21/005 (2006.01) A63B 21/22 (2006.01) A63B 69/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO RESIST MOTION OF HUMAN POWERED VEHICLES**
[54] **SYSTEME ET PROCEDE POUR RESISTER AU MOUVEMENT DE VEHICULES A PROPULSION HUMAINE**
[72] TATUM, JOHN TYLER, US
[72] GARMON, RONNIE JACK, US
[72] EMLEY, BENJAMIN JASON, US
[72] RAJESH, SUYASH, US
[71] GOSLO, LLC, US
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/079100)
[87] (WO2023/081668)
[30] US (63/275,203) 2021-11-03

[21] **3,236,974**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 99/00 (2012.01)**
[25] EN
[54] **INHALATION AND EXHALATION DEVICES**
[54] **DISPOSITIFS D'INHALATION ET D'EXPIRATION**
[72] TAL, ELISHA, IL
[72] MOHEBAN, RAZ, IL
[72] WALLACH, ADI, US
[72] YAKOBY, MICHAEL, IL
[71] DENDRO TECHNOLOGIES, INC., US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/049182)
[87] (WO2023/081489)
[30] US (63/276,744) 2021-11-08

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[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/06 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE INCLUDING FLOW GENERATOR**
[54] **INTERFACE PATIENT COMPRENANT UN GENERATEUR DE FLUX**
[72] FORMICA, JUSTIN JOHN, AU
[72] WELLS, MATTHEW ROBIN, AU
[72] DEUBEL, SEBASTIEN, AU
[72] FOSTER, SOPHIE EVELYN, AU
[72] TRUSCOTT, MICHAEL KENNETH, AU
[72] KENYON, BARTON JOHN, AU
[72] VESCHAMBRE, ETIENNE, AU
[72] MUN, SUNG HOON, AU
[72] THOMAS, HUGH FRANCIS STEWART, AU
[72] WIJOYOSENO, MAXIMILIAN AJI, AU
[72] KAPADIA, JEEGARKUMAR SUBHASHCHANDRA, AU
[72] MOIR, MICHAEL BRUCE, AU
[72] EDWARDS, CHRISTOPHER SCOTT, AU
[72] JEUNG, SUNG HWA, AU
[71] RESMED PTY LTD, AU
[85] 2024-05-01
[86] 2022-11-04 (PCT/AU2022/051321)
[87] (WO2023/077192)
[30] US (63/276,370) 2021-11-05

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[13] A1
[51] **Int.Cl. C25B 1/02 (2006.01) C25B 1/23 (2021.01) C25B 9/23 (2021.01) C25B 11/031 (2021.01) C25B 11/047 (2021.01)**
[25] EN
[54] **ELECTROCHEMICAL PRODUCER FOR HYDROGEN OR CARBON MONOXIDE**
[54] **PRODUCTEUR ELECTROCHIMIQUE D'HYDROGENE OU DE MONOXYDE DE CARBONE**
[72] FARANDOS, NICHOLAS, IE
[72] DAWSON, MATTHEW, US
[72] DAWSON, JIN, US
[72] DANA, JASON, US
[72] STILSON, THOMAS, US
[71] UTILITY GLOBAL, INC., US
[85] 2024-05-01
[86] 2022-12-05 (PCT/US2022/051784)
[87] (WO2023/107361)
[30] US (63/286,974) 2021-12-07
[30] US (63/289,421) 2021-12-14

[21] **3,236,979**
[13] A1
[51] **Int.Cl. G08C 17/02 (2006.01) H04B 7/06 (2006.01)**
[25] EN
[54] **COMMUNICATION METHOD, DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE COMMUNICATION, DISPOSITIF, ET SUPPORT DE STOCKAGE**
[72] YE, ZHENGZHENG, CN
[71] ZTE CORPORATION, CN
[85] 2024-05-01
[86] 2023-01-16 (PCT/CN2023/072242)
[87] (WO2023/143152)
[30] CN (202210094626.8) 2022-01-26

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[13] A1
[51] **Int.Cl. C25B 1/23 (2021.01) C25B 9/015 (2021.01) C25B 9/23 (2021.01) C25B 11/047 (2021.01) C25B 13/07 (2021.01)**
[25] EN
[54] **ELECTROCHEMICAL PRODUCTION OF CARBON MONOXIDE AND VALUABLE PRODUCTS**
[54] **PRODUCTION ELECTROCHIMIQUE DE MONOXYDE DE CARBONE ET DE PRODUITS VALORISABLES**
[72] DAWSON, MATTHEW, US
[72] FARANDOS, NICHOLAS, IE
[72] DAWSON, JIN, US
[72] DANA, JASON, US
[71] UTILITY GLOBAL, INC., US
[85] 2024-05-01
[86] 2022-11-30 (PCT/US2022/051391)
[87] (WO2023/102039)
[30] US (63/284,830) 2021-12-01
[30] US (63/289,421) 2021-12-14

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[13] A1
[51] **Int.Cl. B01J 21/04 (2006.01) B01J 21/10 (2006.01) B01J 23/00 (2006.01) B01J 23/745 (2006.01) B01J 35/00 (2024.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) B01J 37/12 (2006.01) B01J 37/16 (2006.01)**
[25] FR
[54] **OXYGEN-CARRIER SOLID BASED ON IRON AND SUB-STOICHIOMETRIC SPINEL FOR A CHEMICAL-LOOPING REDOX PROCESS**
[54] **SOLIDE PORTEUR D'OXYGENE A BASE DE FER ET DE SPINELLE SOUS-STOECHIOMETRIQUE POUR UN PROCEDE D'OXYDO-REDUCTION EN BOUCLE CHIMIQUE**
[72] LAMBERT, ARNOLD, FR
[72] MICHAU, MATHIEU, FR
[71] IFP ENERGIES NOUVELLES, FR
[71] TOTALENERGIES ONETECH, FR
[85] 2024-05-01
[86] 2023-01-20 (PCT/EP2023/051436)
[87] (WO2023/139235)
[30] FR (FR2200596) 2022-01-24

[21] **3,236,986**
[13] A1
[51] **Int.Cl. C01C 1/04 (2006.01) C25B 1/04 (2021.01) F04D 29/10 (2006.01) F16J 15/40 (2006.01) F25J 3/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR AMMONIA PRODUCTION INCLUDING HYDROGEN LEAK RECOVERY FROM DRY GAS SEALS OF HYDROGEN COMPRESSOR, AND METHOD**
[54] **SYSTEME DE PRODUCTION D'AMMONIAC COMPRENANT UNE RECUPERATION DE FUITE D'HYDROGENE A PARTIR DE GARNITURES SECHES D'UN COMPRESSEUR D'HYDROGENE, ET METHODE**
[72] GUGLIELMO, ALBERTO, IT
[72] MATINA, DARIO, IT
[72] GRIMALDI, ANGELO, IT
[72] MASI, GUIDO, IT
[72] MEAZZINI, GIULIA, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2024-05-01
[86] 2022-11-02 (PCT/EP2022/025493)
[87] (WO2023/078584)
[30] IT (102021000028343) 2021-11-08

[21] **3,236,987**
[13] A1
[51] **Int.Cl. G06Q 50/16 (2024.01)**
[25] EN
[54] **PROPERTY RESOURCE LOCATION AND INFORMATION SHARING SYSTEM**
[54] **SYSTEME DE PARTAGE D'INFORMATIONS ET DE LOCALISATION DE RESSOURCES DE PROPRIETE**
[72] LEITH, ANDREW, US
[71] CHASING BACON, LLC, US
[85] 2024-05-01
[86] 2022-08-18 (PCT/US2022/040699)
[87] (WO2023/075896)
[30] US (17/516,397) 2021-11-01

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[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **AUTOFILLING DATA BASED ON ACCOUNT AUTHENTICATION USING A CONTACTLESS CARD**
[54] **REMPLISSAGE AUTOMATIQUE DE DONNEES BASE SUR UNE AUTHENTIFICATION DE COMPTE A L'AIDE D'UNE CARTE SANS CONTACT**
[72] RULE, JEFFREY, US
[72] LUTZ, WAYNE, US
[71] CAPITAL ONE SERVICES, LLC., US
[85] 2024-05-01
[86] 2022-04-19 (PCT/US2022/025285)
[87] (WO2023/091182)
[30] US (17/530,837) 2021-11-19

[21] **3,236,990**
[13] A1
[51] **Int.Cl. E04G 5/08 (2006.01) E04G 1/15 (2006.01)**
[25] EN
[54] **FLOOR PART FOR A SCAFFOLD, AND SCAFFOLDING SYSTEM**
[54] **PARTIE DE PLANCHER POUR ECHAFAUDAGE, ET SYSTEME D'ECHAFAUDAGE**
[72] BRINKMANN, FRANCISCUS JOZEF LEONARDUS HUBERTUS, NL
[71] SCAFOM HOLDING B.V., NL
[85] 2024-05-01
[86] 2022-10-28 (PCT/NL2022/050604)
[87] (WO2023/080777)
[30] NL (2029592) 2021-11-02

[21] **3,236,992**
[13] A1
[51] **Int.Cl. H02J 3/00 (2006.01) H02J 3/38 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRICAL INVERTER AND SMART LOAD CONTROL INTEGRATION**
[54] **SYSTEMES ET PROCEDES POUR ONDULEUR ELECTRIQUE ET INTEGRATION DE COMMANDE DE CHARGE INTELLIGENTE**
[72] WANG, JINZE, US
[72] GATHRIGHT, WILLIAM, US
[71] FORTRESS POWER, US
[71] WANG, JINZE, US
[71] GATHRIGHT, WILLIAM, US
[85] 2024-05-01
[86] 2022-11-10 (PCT/US2022/049612)
[87] (WO2023/086518)
[30] US (63/277,686) 2021-11-10

[21] **3,236,994**
[13] A1
[51] **Int.Cl. A01N 25/34 (2006.01) D04H 1/425 (2012.01) D04H 1/4258 (2012.01) D04H 1/492 (2012.01) A47L 13/17 (2006.01) A61K 8/02 (2006.01) D04H 1/74 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING A NONWOVEN MATERIAL WITH REDUCED QUATERNARY AMMONIUM AFFINITY**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU NON TISSE A AFFINITE REDUITE D'AMMONIUM QUATERNAIRE**
[72] BLACK, SAMUEL KEITH, US
[72] TEIXEIRA, LUIS, US
[72] LAYER, JONATHAN, US
[72] NICHOLSON, JIMMY, US
[71] FIBERTEX NONWOVENS A/S, DK
[85] 2024-05-01
[86] 2022-10-13 (PCT/EP2022/078461)
[87] (WO2023/104374)
[30] EP (21212717.9) 2021-12-07

[21] **3,236,996**
[13] A1
[51] **Int.Cl. B25J 9/10 (2006.01) B25J 15/00 (2006.01) B25J 15/02 (2006.01)**
[25] FR
[54] **FINGER AND GRIPPING DEVICE FOR ROBOT ARM, AND ROBOT ARM EQUIPPED WITH SUCH A DEVICE**
[54] **DOIGT ET DISPOSITIF DE PREHENSION POUR BRAS DE ROBOT, BRAS DE ROBOT EQUIPE D'UN TEL DISPOSITIF**
[72] CECCHIN, MICHEL, FR
[72] MILHAU, PIERRE, FR
[72] GROSSARD, MATHIEU, FR
[71] FINRIP, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2024-05-01
[86] 2022-11-04 (PCT/EP2022/080885)
[87] (WO2023/079122)
[30] FR (FR2111734) 2021-11-04

[21] **3,236,997**
[13] A1
[51] **Int.Cl. B05B 7/04 (2006.01) B65D 83/68 (2006.01)**
[25] EN
[54] **ACTUATOR FOR A DUAL PUMP DISPENSING SYSTEM**
[54] **ACTIONNEUR POUR SYSTEME DE DISTRIBUTION A DOUBLE POMPE**
[72] QUE, CHUZHEN, CN
[72] CHEN, YUN, CN
[72] JIN, JING, CN
[71] ELC MANAGEMENT LLC, US
[85] 2024-05-01
[86] 2021-11-08 (PCT/CN2021/129275)
[87] (WO2023/077507)

[21] **3,236,998**
[13] A1
[51] **Int.Cl. A62C 27/00 (2006.01) B05B 15/70 (2018.01) A62C 2/08 (2006.01) A62C 3/02 (2006.01) A62C 31/00 (2006.01) B05B 3/18 (2006.01) B60P 3/30 (2006.01)**
[25] EN
[54] **MOBILE LIQUID DEPLOYMENT VEHICLE AND SYSTEM**
[54] **VEHICULE DE DEPLOIEMENT DE LIQUIDE MOBILE ET SYSTEME**
[72] MCKEEN, DAVID BRIAN, CA
[71] WALL OF WATER INC., CA
[85] 2024-05-01
[86] 2021-11-04 (PCT/CA2021/051569)
[87] (WO2023/077209)

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[13] A1
[51] **Int.Cl. B08B 1/00 (2024.01) B08B 3/08 (2006.01) B08B 3/10 (2006.01)**
[25] EN
[54] **JEWELRY CLEANING DEVICE**
[54] **DISPOSITIF DE NETTOYAGE DE BIJOUX**
[72] FRYSH, JEFFREY, US
[72] STEPHENS, PAUL DANA, US
[72] SPIRK, EVAN, US
[72] YE, DANWEI, US
[72] RABBITT, WILLIAM EUGENE, US
[71] GEM OASIS, LLC, US
[85] 2024-05-01
[86] 2022-11-03 (PCT/US2022/048886)
[87] (WO2023/081316)
[30] US (63/275,014) 2021-11-03

[21] **3,237,000**
[13] A1
[51] **Int.Cl. G09B 5/00 (2006.01) G06Q 50/20 (2012.01) H04L 67/50 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTERACTIVE SCHOOL JOURNAL**
[54] **SYSTEME ET PROCEDE POUR JOURNAL SCOLAIRE INTERACTIF**
[72] TURNER, RAQUEL, CA
[71] TURNER, RAQUEL, CA
[85] 2024-05-01
[86] 2022-11-02 (PCT/IB2022/060568)
[87] (WO2023/079462)
[30] US (63/274,795) 2021-11-02

[21] **3,237,001**
[13] A1
[51] **Int.Cl. A61K 8/64 (2006.01) A61K 8/9789 (2017.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITIONS AND METHOD OF USING THE SAME**
[54] **COMPOSITIONS COSMETIQUES ET LEUR PROCEDE D'UTILISATION**
[72] PERNODET, NADINE, US
[72] CHEN, CHIA-WEN, US
[72] TRIVERO, JACQUELINE MARY, US
[72] CORALLO, KRYSTEL RITA, US
[71] ELC MANAGEMENT LLC, US
[85] 2024-05-01
[86] 2022-11-07 (PCT/US2022/049175)
[87] (WO2023/086305)
[30] US (63/277,487) 2021-11-09

[21] **3,237,002**
[13] A1
[51] **Int.Cl. C03C 17/00 (2006.01) C03C 17/28 (2006.01)**
[25] EN
[54] **FORMULATION FOR COATING GLASS CONTAINERS**
[54] **FORMULATION POUR LE REVETEMENT DE RECIPIENTS EN VERRE**
[72] HOEKMAN, LEENDERT, NL
[71] ARKEMA FRANCE, FR
[85] 2024-05-01
[86] 2022-11-30 (PCT/EP2022/083860)
[87] (WO2023/099570)
[30] FR (FR 2112813) 2021-12-01

[21] **3,237,003**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 38/16 (2006.01) A61K 48/00 (2006.01) C12N 15/10 (2006.01) C12N 15/82 (2006.01) C12N 15/85 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DNA REVERTASE**
[54] **TRANSCRIPTASE INVERSE DE L'ADN**
[72] CHURCH, GEORGE MCDONALD, US
[72] SHARIFI, MOHAMED SAMIN, DE
[72] BRADLEY, CHRISTOPHER, US
[71] BRADLEY, CHRISTOPHER, US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/048617)
[87] (WO2023/076741)
[30] US (63/274,128) 2021-11-01
[30] US (63/340,605) 2022-05-11

[21] **3,237,004**
[13] A1
[51] **Int.Cl. C07K 14/715 (2006.01) A61K 35/17 (2015.01) A61K 47/68 (2017.01) A61K 38/17 (2006.01) A61P 37/06 (2006.01) C07K 14/525 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **B CELL ACTIVATING FACTOR (BAFF)-A PROLIFERATION INDUCING LIGAND (APRIL) DUAL INHIBITORS**
[54] **INHIBITEURS DOUBLES DE FACTEUR D'ACTIVATION DES LYMPHOCYTES B (BAFF)-LIGAND A INDUISANT LA PROLIFERATION (APRIL)**
[72] CROSS, JENNIFER, CA
[72] HUIZINGA, ROBERT B., CA
[72] LARRICK, JAMES WILLIAM, US
[72] YU, BO, US
[72] PARMLEY, STEPHEN, US
[71] AURINIA PHARMACEUTICALS INC., CA
[85] 2024-05-01
[86] 2022-11-16 (PCT/IB2022/061038)
[87] (WO2023/089500)
[30] US (63/280,556) 2021-11-17
[30] US (63/339,334) 2022-05-06
[30] US (63/350,392) 2022-06-08

[21] **3,237,005**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) A61K 31/198 (2006.01) A61K 31/27 (2006.01) C07C 271/12 (2006.01) C07C 323/59 (2006.01)**
[25] EN
[54] **METHODS AND KITS FOR DETERMINING INSULIN RESISTANCE TREATMENT**
[54] **PROCEDES ET KITS POUR DETERMINER UN TRAITEMENT DE RESISTANCE A L'INSULINE**
[72] LAUTT, WAYNE W., CA
[71] SCIMAR LTD., CA
[85] 2024-05-01
[86] 2022-11-04 (PCT/CA2022/051636)
[87] (WO2023/077236)
[30] US (63/275,786) 2021-11-04

[21] **3,237,006**
[13] A1
[51] **Int.Cl. A61B 18/20 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PIGMENT REMOVAL**
[54] **SYSTEME ET PROCEDE D'ELIMINATION DE PIGMENT**
[72] YAKOV, YANIV, US
[71] EPILADY 2000 LLC, US
[85] 2024-05-01
[86] 2022-11-17 (PCT/US2022/050309)
[87] (WO2023/091603)
[30] EP (21209111.0) 2021-11-18

[21] **3,237,007**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **POLYPROPYLENE COMPOSITE MATERIAL HAVING MELTING POINT GRADIENT STRUCTURE, PREPARATION METHOD THEREFOR AND SYSTEM AND USE THEREOF**
[54] **MATERIAU COMPOSITE DE POLYPROPYLENE PRESENTANT UNE STRUCTURE DE GRADIENT DE POINT DE FUSION, PROCEDE DE PREPARATION ASSOCIE ET SYSTEME ET UTILISATION ASSOCIEE**
[72] CHU, LIQIU, CN
[72] ZHANG, FENGQIAN, CN
[72] XU, YIHUI, CN
[72] GAO, DALI, CN
[72] ZHANG, SHIJUN, CN
[72] QIAO, JINLIANG, CN
[72] KONG, DEHUI, CN
[72] CHOU, BAIGE, CN
[72] XIA, LIDONG, CN
[72] BAI, YIQING, CN
[72] XU, KAI, CN
[72] REN, YUEMING, CN
[72] ZHAO, YACHAO, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CH..., CN
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[86] 2022-11-07 (PCT/CN2022/130241)
[87] (WO2023/078441)
[30] CN (202111312236.5) 2021-11-08
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[51] **Int.Cl. F04B 1/16 (2006.01) F04B 9/04 (2006.01)**
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[54] **FLUID PUMP**
[54] **POMPE A FLUIDE**
[72] CHEN, JIADA, CN
[72] GOODWIN, RANDY M., US
[71] OMS INVESTMENTS, INC., US
[85] 2024-05-01
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **LURBINECTEDIN AND ATEZOLIZUMAB COMBINATIONS**
[54] **ASSOCIATIONS DE LURBINECTEDINE ET D'ATEZOLIZUMAB**
[72] PAZ-ARES RODRIGUEZ, LUIS GONZAGA, ES
[72] PONCE AIX, SANTIAGO, ES
[72] FUDIO MUNOZ, SALVADOR, ES
[71] PHARMA MAR, S.A.U., ES
[85] 2024-05-01
[86] 2022-11-08 (PCT/EP2022/081155)
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[30] EP (21383013.6) 2021-11-08

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[51] **Int.Cl. F02M 65/00 (2006.01)**
[25] EN
[54] **A METHOD FOR TESTING A FUEL INJECTOR FOR AN INTERNAL COMBUSTION ENGINE**
[54] **PROCEDE DE TEST D'UN INJECTEUR DE CARBURANT POUR UN MOTEUR A COMBUSTION INTERNE**
[72] YUDANOV, SERGI, SE
[71] VOLVO TRUCK CORPORATION, SE
[85] 2024-05-01
[86] 2022-11-03 (PCT/EP2022/080680)
[87] (WO2023/079002)
[30] SE (2151362-7) 2021-11-05

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[51] **Int.Cl. C07D 513/20 (2006.01)**
[25] EN
[54] **MACROCYCLIC 2-AMINO-BUT-3-ENAMIDES AS INHIBITORS OF MCL-1**
[54] **2-AMINO-BUT-3-ENAMIDES MACROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE MCL-1**
[72] JERHAOUI, SOUFYAN, BE
[72] DIELS, GASTON STANISLAS M, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2024-05-01
[86] 2022-11-15 (PCT/EP2022/081981)
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[30] EP (21208372.9) 2021-11-16

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[25] EN
[54] **BATTERY PACK, AND VEHICLE INCLUDING THE SAME**
[54] **BLOC-BATTERIE ET VEHICULE LE COMPRENANT**
[72] PARK, JEONG-HOON, KR
[72] YOON, KA-HYUN, KR
[72] JUNG, HYE-MI, KR
[72] CHANG, HYUK-KYUN, KR
[72] CHOI, JUNG-WOO, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-01
[86] 2023-07-11 (PCT/KR2023/009894)
[87] (WO2024/019403)
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[30] KR (10-2023-0090097) 2023-07-11

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[51] **Int.Cl. A61K 31/56 (2006.01) C12N 15/113 (2010.01) A61K 31/7125 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
[25] FR
[54] **PHYTOECDYSONES AND/OR 20-HYDROXYECDYSONE DERIVATIVES IN COMBINATION WITH AN ACTIVE INGREDIENT FOR RESTORING SMN EXPRESSION, FOR USE IN THE TREATMENT OF SPINAL MUSCULAR ATROPHY**
[54] **PHYTOECDYSONES ET/OU DERIVES DE 20-HYDROXYECDYSONE EN COMBINAISON AVEC UN PRINCIPE ACTIF VISANT A RESTAURER L'EXPRESSION SMN POUR LEUR UTILISATION DANS LE TRAITEMENT DE L'AMYOTROPHIE SPINALE**
[72] LATIL, MATHILDE, FR
[72] BEZIER, CYNTHIA, FR
[72] DILDA, PIERRE, FR
[72] LAFONT, RENE, FR
[72] VEILLET, STANISLAS, FR
[72] CHARBONNIER, FREDERIC, FR
[72] BIONDI, OLIVIER, FR
[71] BIOPHYTIS, FR
[71] SORBONNE UNIVERSITE, FR
[71] UNIVERSITE PARIS CITE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE(INSERM), FR
[85] 2024-05-01
[86] 2022-11-04 (PCT/EP2022/080839)
[87] (WO2023/083718)
[30] FR (FR2111920) 2021-11-10

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[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/0587 (2010.01) H01M 50/533 (2021.01)**
[25] EN
[54] **JELLY-ROLL WITH IMPROVED ELECTROLYTE IMPREGNATION PROPERTY, AND CYLINDRICAL BATTERY CELL, BATTERY PACK AND VEHICLE INCLUDING THE SAME**
[54] **ROULEAU DE GELEE DOTE D'UNE PROPRIETE D'IMPREGNATION D'ELECTROLYTE AMELIOREE, ET ELEMENT DE BATTERIE CYLINDRIQUE, BLOC-BATTERIE ET VEHICULE LE COMPRENANT**
[72] LEE, YUN-JU, KR
[72] RYU, DUK-HYUN, KR
[72] LEE, KWAN-HEE, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-01
[86] 2022-10-28 (PCT/KR2022/016735)
[87] (WO2023/085665)
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[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **HETEROBIFUNCTIONAL COMPOUNDS AS HPK1 DEGRADERS**
[54] **COMPOSES HETEROBIFONCTIONNELS UTILISES COMME AGENTS DE DEGRADATION DE HPK1**
[72] JIN, JIAN, US
[72] BURAKOFF, STEVEN, US
[72] KANISKAN, H. UMIT, US
[72] SAWASDIKOSOL, SANSANA, US
[72] WITTER, DAVID, CA
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[71] CULLINAN ONCOLOGY, INC., US
[85] 2024-05-01
[86] 2022-11-23 (PCT/US2022/050929)
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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **TREATMENT OF CANCER WITH NK CELLS AND MULTISPECIFIC ENGAGERS**
[54] **TRAITEMENT DU CANCER PAR DES CELLULES NK ET DES AGENTS DE MISE EN CONTACT MULTISPECIFIQUES**
[72] FLYNN, PETER, US
[72] LITTEN, JASON B., US
[72] FARRELL, THOMAS JAMES, US
[72] RAYMON, HEATHER KAREN, US
[72] SOMANCHI, SRINIVAS SAI, IN
[72] GUERRETTAZ, LISA, US
[72] GRAEF, THORSTEN, US
[72] KOCH, JOACHIM, DE
[72] PAHL, JENS, DE
[72] MIN, BOKYUNG, KR
[72] KIM, HYOJIN, KR
[72] LEE, SANGHYUN, KR
[71] ARTIVA BIOTHERAPEUTICS, INC., US
[71] AFFIMED GMBH, DE
[71] GC CELL CORPORATION, KR
[85] 2024-05-01
[86] 2022-11-03 (PCT/US2022/048887)
[87] (WO2023/081317)
[30] US (63/275,890) 2021-11-04

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[13] A1
[51] **Int.Cl. D04H 1/4291 (2012.01) D04H 1/4382 (2012.01) D04H 1/4391 (2012.01) D04H 1/541 (2012.01) D04H 3/007 (2012.01) D04H 3/147 (2012.01) D01D 5/22 (2006.01) D01D 5/32 (2006.01)**
[25] EN
[54] **NONWOVEN MATERIAL COMPRISING CRIMPED MULTICOMPONENT FIBERS**
[54] **MATERIAU NON TISSE COMPRENANT DES FIBRES MULTICOMPOSANTS FRISEES**
[72] WANG, JINGBO, AT
[72] FIEBIG, JOACHIM EDMUND, AT
[72] VAN PARIDON, HENK, BE
[72] TOBIESON, GUSTAF, SE
[72] SOMMER, SEBASTIAN, DE
[72] BOHL, PATRICK, DE
[72] GEUS, HANS-GEORG, DE
[72] HANSEN, MORTEN, RISE, DK
[72] AGERSNAP SCHERER, MATHIAS, GB
[72] BROCH, THOMAS, DK
[71] FIBERTEX PERSONAL CARE A/S, DK
[71] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE
[85] 2024-05-01
[86] 2023-01-03 (PCT/EP2023/050033)
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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **BISPECIFIC CD16A BINDERS**
[54] **LIANTS DE CD16A BISPECIFIQUES**
[72] KOCH, JOACHIM, DE
[72] PAHL, JENS, DE
[72] ROSS, THORSTEN, DE
[72] SIEGLER, JANA-JULIA, DE
[72] DULAT, HOLGER, DE
[71] AFFIMED GMBH, DE
[85] 2024-05-01
[86] 2022-11-03 (PCT/IB2022/060614)
[87] (WO2023/079493)
[30] EP (21206329.1) 2021-11-03
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[30] EP (22187329.2) 2022-07-27
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[51] **Int.Cl. F25J 1/00 (2006.01)**
[25] EN
[54] **CARBON CAPTURE SYSTEM AND METHOD WITH EXHAUST GAS RECIRCULATION**
[54] **SYSTEME ET PROCEDE DE CAPTURE DE CARBONE AVEC RECIRCULATION DE GAZ D'ECHAPPEMENT**
[72] BAXTER, LARRY, US
[72] VIPPERLA, RAVIKUMAR, US
[71] CHART ENERGY & CHEMICALS, INC., US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/048526)
[87] (WO2023/081125)
[30] US (63/274,652) 2021-11-02

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[13] A1
[51] **Int.Cl. C07D 243/36 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUND AND APPLICATION THEREOF**
[54] **COMPOSE BICYCLIQUE ET SON APPLICATION**
[72] YANG, RONGWEN, CN
[72] SUN, YUN, CN
[72] ZHANG, JIAN, CN
[72] YI, XUEGANG, CN
[72] MA, TENG, CN
[72] WANG, YU, CN
[72] WANG, PINGPING, CN
[72] DING, LIEMING, CN
[72] LAN, HONG, CN
[72] WANG, JIABING, CN
[71] BETTA PHARMACEUTICALS CO., LTD, CN
[85] 2024-05-01
[86] 2022-11-03 (PCT/CN2022/129643)
[87] (WO2023/078369)
[30] CN (PCT/CN2021/128239) 2021-11-02
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[13] A1
[51] **Int.Cl. A61J 1/20 (2006.01) A61J 3/00 (2006.01)**
[25] EN
[54] **COMPOUNDING SYSTEM**
[54] **SYSTEME DE MELANGE**
[72] BOSSCHER, KASPER, NL
[72] KLUSKENS, LUC PETER ELEONORE MARIE, NL
[71] THE COMPOUNDING COMPANY B.V., NL
[85] 2024-05-01
[86] 2022-10-31 (PCT/NL2022/050608)
[87] (WO2023/075600)
[30] NL (2029580) 2021-11-01
[30] NL (2031054) 2022-02-23

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[13] A1
[51] **Int.Cl. B23K 26/14 (2014.01) B23K 26/38 (2014.01)**
[25] EN
[54] **MIXING NOZZLE FOR A LASER PROCESSING SYSTEM**
[54] **BUSE DE MELANGE POUR UN SYSTEME DE TRAITEMENT AU LASER**
[72] WOODS, KENNETH J., US
[72] MELIUS, BRENDA, US
[72] HIRANO, TAKAYUKI, US
[72] CONROY, RYAN, US
[72] WHITE, HENRY, US
[71] HYPERTHERM, INC., US
[71] MC MACHINERY SYSTEMS, INC., US
[85] 2024-04-26
[86] 2022-11-08 (PCT/US2022/049312)
[87] (WO2023/081525)
[30] US (63/276,792) 2021-11-08
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[13] A1
[51] **Int.Cl. B60L 53/31 (2019.01) E04H 1/12 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **OVERHEAD POWER DISTRIBUTION SYSTEMS AND METHODS FOR MODULAR EXPANDABLE OUTDOOR BUSWAY**
[54] **SYSTEMES ET PROCEDES DE DERIVATION DE PUISSANCE AERIENS POUR BARRE BLINDEE EXTERIEURE EXTENSIBLE MODULAIRE**
[72] WASHBURN, JAMES, US
[72] THULIN, ANDERS, US
[72] RUSCH, BRIAN J., US
[72] BROWN, ALLANAH, CA
[72] DOMBOWSKY, LOUIS, CA
[72] DOMBOWSKY, BEN, CA
[72] DOMBOWSKY, MICHAEL, CA
[72] RILEY, JOHN, US
[71] SIEMENS INDUSTRY, INC., US
[71] NEXII BUILDING SOLUTIONS INC., CA
[85] 2024-05-01
[86] 2022-09-01 (PCT/US2022/042344)
[87] (WO2023/080949)
[30] US (63/263,492) 2021-11-03
[30] US (63/293,461) 2021-12-23

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[13] A1
[51] **Int.Cl. E06B 5/00 (2006.01) E06B 7/28 (2006.01) B60J 5/00 (2006.01) E06B 5/10 (2006.01) E06B 5/11 (2006.01)**
[25] EN
[54] **DOOR ASSEMBLY WITH RECHARGEABLE ELECTRICAL POWER SUPPLY FOR INTEGRATED ELECTRIC DEVICES AND METHODS THEREOF**
[54] **ENSEMBLE PORTE AVEC ALIMENTATION EN ENERGIE ELECTRIQUE RECHARGEABLE POUR DISPOSITIFS ELECTRIQUES INTEGRES ET PROCEDES ASSOCIES**
[72] SIVASANKARAN, SATISHKUMAR, US
[72] BODURKA, ALEX, US
[72] ANDALIBI-ABADAN, NAVID, US
[71] MASONITE CORPORATION, US
[85] 2024-04-29
[86] 2022-11-07 (PCT/US2022/049152)
[87] (WO2023/081475)
[30] US (63/276,060) 2021-11-05

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[51] **Int.Cl. A61K 38/47 (2006.01) C12N 9/24 (2006.01)**
[25] EN
[54] **DAS181 VARIANT COMPOSITIONS**
[54] **COMPOSITIONS DE VARIANTS DE DAS181**
[72] WANG, GEORGE, US
[72] HAWLEY, STEPHEN, US
[72] LI, TIEJUN, US
[71] ANSUN BIOPHARMA INC., US
[85] 2024-04-29
[86] 2022-11-01 (PCT/US2022/079087)
[87] (WO2023/081660)
[30] US (63/263,441) 2021-11-02

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[51] **Int.Cl. B66C 13/06 (2006.01) B66C 23/00 (2006.01)**
[25] EN
[54] **METHOD TO OPTIMIZE AN ANTI-SWAY FUNCTION**
[54] **PROCEDE D'OPTIMISATION D'UNE FONCTION ANTI-BALANCEMENT**
[72] BLONDEL, CHARLES, FR
[72] CARVALHO, JEAN-FRANCOIS, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[85] 2024-04-30
[86] 2022-10-26 (PCT/EP2022/079896)
[87] (WO2023/099086)
[30] EP (21306674.9) 2021-12-01

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4162 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **HETEROBIFUNCTIONAL MOLECULES AS TEAD INHIBITORS**
[54] **MOLECULES HETEROBIFONCTIONNELS UTILISEES EN TANT QU'INHIBITEURS DE TEAD**
[72] HEINRICH, TIMO, DE
[72] GEHRTZ, PAUL, DE
[71] MERCK PATENT GMBH, DE
[85] 2024-04-30
[86] 2022-10-31 (PCT/EP2022/080318)
[87] (WO2023/078813)
[30] EP (21205991.9) 2021-11-02

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[13] A1
[51] **Int.Cl. H01M 8/04298 (2016.01) H01M 8/04313 (2016.01) H01M 8/04537 (2016.01) H01M 8/04858 (2016.01) H01M 8/04992 (2016.01) H01M 8/249 (2016.01) H01M 16/00 (2006.01)**
[25] EN
[54] **METHOD FOR DIAGNOSING A FUEL CELL SYSTEM, SYSTEM CONTROL DEVICE FOR IMPLEMENTING SUCH A METHOD, AND FUEL CELL SYSTEM INCLUDING SUCH A SYSTEM CONTROL DEVICE**
[54] **PROCEDE DE DIAGNOSTIC D'UN SYSTEME DE PILE A COMBUSTIBLE, DISPOSITIF DE COMMANDE DE SYSTEME POUR LA MISE EN OEUVRE D'UN TEL PROCEDE ET SYSTEME DE PILE A COMBUSTIBLE COMPRENANT UN TEL DISPOSITIF DE COMMANDE DE SYSTEME**
[72] BOOG, MANUEL, DE
[72] KOSER, THOMAS, DE
[72] BAR, JULIAN NICOLAAS, DE
[71] ROLLS-ROYCE SOLUTIONS GMBH, DE
[85] 2024-04-30
[86] 2022-11-07 (PCT/EP2022/081023)
[87] (WO2023/083764)
[30] DE (10 2021 212 618.9) 2021-11-09

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/713 (2006.01) A61P 25/04 (2006.01) A61P 25/06 (2006.01) C12N 15/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS OF TREATING HEADACHES AND MIGRAINES WITH SODIUM VOLTAGE-GATED CHANNEL ALPHA SUBUNIT 11 (SCN11A) INHIBITORS**
[54] **METHODES DE TRAITEMENT DE MAUX DE TETE ET DE MIGRAINES AVEC DES INHIBITEURS DE SOUS-UNITE 11 DE CANAL SODIQUE VOLTAGE-DEPENDANT (SCN11A)**
[72] PRAVEEN, KAVITA, US
[72] COPPOLA, GIOVANNI, US
[72] BARAS, ARIS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-04-30
[86] 2022-11-21 (PCT/US2022/080208)
[87] (WO2023/092112)
[30] US (63/281,640) 2021-11-20

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[13] A1
[51] **Int.Cl. C12N 15/117 (2010.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **SPHERICAL NUCLEIC ACIDS FOR CGAS-STING AND STAT3 PATHWAY MODULATION FOR THE IMMUNOTHERAPEUTIC TREATMENT OF CANCER**
[54] **ACIDES NUCLEIQUES SPHERIQUES POUR LA MODULATION DE LA VOIE CGAZ ET STAT3 POUR LE TRAITEMENT IMMUNOTHERAPEUTIQUE DU CANCER**
[72] STEGH, ALEXANDER H., US
[72] MIRKIN, CHAD A., US
[72] MAHAJAN, AKANKSHA SANJAY, US
[72] TEPLENSKY, MICHELLE HOPE, US
[72] PARK, JUNGSOO, US
[72] VASHER, MATTHEW KUO, US
[72] SINEGRA, ANDREW JOSEPH, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2024-04-30
[86] 2022-11-17 (PCT/US2022/080086)
[87] (WO2023/092040)
[30] US (63/280,499) 2021-11-17

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[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01) A61B 5/024 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **WETNESS DETECTOR WITH INTEGRATED INERTIAL MEASUREMENT UNIT CONFIGURED FOR USE IN A DIALYSIS SYSTEM**
[54] **DETECTEUR D'HUMIDITE AVEC UNITE DE MESURE INERTIELLE INTEGREE CONFIGUREE POUR ETRE UTILISEE DANS UN SYSTEME DE DIALYSE**
[72] WEAVER, COLIN, US
[72] CRNKOVICH, MARTIN, US
[72] YUDS, DAVID, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2024-04-30
[86] 2022-10-20 (PCT/US2022/047247)
[87] (WO2023/091266)
[30] US (17/529,571) 2021-11-18

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[13] A1
[51] **Int.Cl. C12P 7/6445 (2022.01) C07C 67/08 (2006.01) C07C 69/52 (2006.01)**
[25] EN
[54] **TRIGLYCERIDES AND STRUCTURED LIPIDS FROM SHORT- AND MEDIUM-CHAIN FATTY ACIDS**
[54] **TRIGLYCERIDES ET LIPIDES STRUCTURES A PARTIR D'ACIDES GRAS A CHAINE COURTE ET MOYENNE**
[72] GRANDA, CESAR, US
[72] ZHANG, JUBO, US
[71] BIOVERITAS, LLC, US
[85] 2024-04-30
[86] 2022-11-01 (PCT/US2022/048606)
[87] (WO2023/076737)
[30] US (63/274,428) 2021-11-01
[30] US (63/288,371) 2021-12-10
[30] US (63/300,770) 2022-01-19

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[13] A1
[51] **Int.Cl. A61K 31/436 (2006.01) A61K 38/16 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **MULTIPLE DOSING WITH VIRAL VECTORS**
[54] **DOSAGE MULTIPLE AVEC VECTEURS VIRAUX**
[72] KISHIMOTO, TAKASHI KEI, US
[71] CARTESIAN THERAPEUTICS, INC., US
[85] 2024-04-30
[86] 2022-11-14 (PCT/US2022/049777)
[87] (WO2023/086615)
[30] US (63/279,174) 2021-11-14
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[54] **COMPOSITIONS AND METHODS FOR THE MODULATION OF BETA CHAIN-MEDIATED IMMUNITY**
[54] **COMPOSITIONS ET METHODES DESTINEES A LA MODULATION DE L'IMMUNITE A MEDIATION PAR CHAINE BETA**
[72] GANESAN, RAJKUMAR, US
[72] GREWAL, IQBAL S., US
[72] SINGH, SANJAYA, US
[72] HANSEN, MICHAEL RIIS, US
[71] JANSSEN BIOTECH, INC., US
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[87] (WO2023/077155)
[30] US (63/274,430) 2021-11-01
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[51] **Int.Cl. H01M 10/44 (2006.01) H01M 10/61 (2014.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR MANAGING ENERGY STORAGE DEVICES AT OPERATING TEMPERATURE LIMITS**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE GESTION DE DISPOSITIFS DE STOCKAGE D'ENERGIE A DES LIMITES DE TEMPERATURE DE FONCTIONNEMENT**
[72] THOMASON, WILLIAM A., US
[71] DRAGONFLY ENERGY CORP., US
[85] 2024-04-30
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[51] **Int.Cl. A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 16/26 (2006.01)**
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[54] **METHODS OF TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] BURAK, ERIC S., CA
[72] O'LEARY, JAMES, US
[72] RHODEN, JOHN, US
[71] FUSION PHARMACEUTICALS INC., CA
[85] 2024-04-30
[86] 2022-11-02 (PCT/US2022/079137)
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[13] A1
[51] **Int.Cl. B32B 3/06 (2006.01) H02G 15/18 (2006.01)**
[25] EN
[54] **FLEXIBLE COVER**
[54] **ENVELOPPE SOUPLE**
[72] KIM, DALE, US
[71] KIM, DALE, US
[85] 2024-04-30
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[51] **Int.Cl. B01D 25/127 (2006.01) B01D 25/21 (2006.01) B01D 25/34 (2006.01)**
[25] EN
[54] **A HANDLING SYSTEM OF A SUBFRAME FORMING PART OF A FILTER PLATE FRAME ASSEMBLY IN A HORIZONTAL FILTER PRESS OF A TOWER TYPE, A METHOD OF PERFORMING MAINTENANCE OF SUCH SUBFRAME AND USE OF SUCH HANDLING SYSTEM**
[54] **SYSTEME DE MANIPULATION D'UN SOUS-CADRE FAISANT PARTIE D'UN ENSEMBLE CADRE DE PLAQUE DE FILTRATION DANS UN FILTRE-PRESSE HORIZONTAL DE TYPE TOUR, PROCEDE DE MISE EN .UVRE DE MAINTENANCE D'UN TEL SOUS-CADRE ET UTILISATION D'UN TEL SYSTEME DE MANIPULATION**
[72] MUSTAKANGAS, MIRVA JOHANNA, FI
[72] ELORANTA, TEEMU PAAVALI, FI
[72] KAIPAINEN, JANNE ERIK ANTERO, FI
[72] JUVONEN, ISMO, FI
[71] METSO FINLAND OY, FI
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[51] **Int.Cl. C10M 141/08 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE**
[72] CHASE, KEVIN J., US
[72] SKELTON, SHELBY A., US
[72] HURON, GEORGE D., US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2024-04-30
[86] 2022-11-03 (PCT/IB2022/060589)
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[30] US (63/275,074) 2021-11-03

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[51] **Int.Cl. A61K 8/25 (2006.01) A61K 8/64 (2006.01) A61K 8/87 (2006.01) A61Q 1/12 (2006.01)**
[25] EN
[54] **COMPOSITION FOR FOUNDATION IN SPRAY FORM**
[54] **COMPOSITION POUR FOND DE TEINT SE PRESENTANT SOUS FORME DE SPRAY**
[72] DURIGHEL, FABIO, IT
[71] QUADRA GROUP S.R.L., IT
[85] 2024-04-30
[86] 2022-11-08 (PCT/IB2022/060730)
[87] (WO2023/079536)
[30] IT (102021000028394) 2021-11-08

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[13] A1
[51] **Int.Cl. F23D 1/02 (2006.01)**
[25] EN
[54] **IRON FUEL COMBUSTION ARRANGEMENT**
[54] **AGENCEMENT DE COMBUSTION DE COMBUSTIBLE A BASE DE FER**
[72] SEIJGER, VINCENT JACOBUS THEODORUS, NL
[72] HOUTAPPELS, JEROEN GABRIEL FRANCISCUS, NL
[72] DERKSEN, MARCO ANTON FREDERIK, NL
[71] RENEWABLE IRON FUEL TECHNOLOGY B.V., NL
[85] 2024-04-30
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[51] **Int.Cl. H04R 25/00 (2006.01) A61B 5/12 (2006.01)**
[25] EN
[54] **HEARING CORRECTION SYSTEM**
[54] **SYSTEME DE CORRECTION AUDITIVE**
[72] BOHMER, BERNT, SE
[71] MELISONO AB, SE
[85] 2024-04-30
[86] 2022-11-09 (PCT/SE2022/051044)
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[13] A1
[51] **Int.Cl. B62D 55/088 (2006.01)**
[25] EN
[54] **DEFLECTOR ARRANGEMENT FOR A TRACKED VEHICLE**
[54] **AGENCEMENT DE DEFLECTEUR POUR VEHICULE A CHENILLES**
[72] BODIN, ANDERS, SE
[72] WESTMAN, GORAN, SE
[72] WIBERG, ULF, SE
[72] CHRISTENSEN, ASSAR, SE
[72] VESTIN, ANDERS, SE
[71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
[85] 2024-04-30
[86] 2022-11-11 (PCT/SE2022/051057)
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[51] **Int.Cl. A23G 1/44 (2006.01) A23L 11/50 (2021.01) A23G 1/48 (2006.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **A CHOCOLATE PRODUCT COMPRISING A MILK ANALOGUE PRODUCT**
[54] **PRODUIT DE CHOCOLAT COMPRENANT UN PRODUIT ANALOGUE DE LAIT**
[72] WOOSTER, TIMOTHY JAMES, CH
[72] CELIGUETA TORRES, ISABEL, GB
[72] KAMMERHOFER, JANA CHRISTINA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-05-02
[86] 2022-11-15 (PCT/EP2022/081983)
[87] (WO2023/084113)
[30] EP (21208244.0) 2021-11-15
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[51] **Int.Cl. C07D 209/16 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **METHODS FOR THE PRODUCTION OF TRYPTOPHANS, TRYPTAMINES, INTERMEDIATES, SIDE PRODUCTS AND DERIVATIVES**
[54] **PROCEDES DE PRODUCTION DE TRYPTOPHANES, DE TRYPTAMINES, D'INTERMEDIAIRES, DE PRODUITS SECONDAIRES ET DE DERIVES**
[72] JONES, JOHN ANDREW, US
[72] GIBBONS, WILLIAM JOHNATHAN JR., US
[72] FLOWER, JESSICA, US
[72] ADAMS, ALEXANDRA, US
[71] MIAMI UNIVERSITY, US
[85] 2024-05-01
[86] 2022-11-04 (PCT/US2022/079321)
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[13] A1
[51] **Int.Cl. D21H 19/02 (2006.01) D21H 19/08 (2006.01) D21H 19/82 (2006.01) D21H 19/84 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **BARRIER-COATED CELLULOSE-BASED SUBSTRATE FOR LAMINATED PACKAGING MATERIAL**
[54] **SUBSTRAT A BASE DE CELLULOSE REVETU D'UNE BARRIERE POUR MATERIAU D'EMBALLAGE STRATIFIE**
[72] NYMAN, ULF, SE
[72] MARKBO, OLIVIA, SE
[72] ALDEN, MATS, SE
[72] KRIECHBAUM, KONSTANTIN, SE
[72] DAMASIO, RENATO AUGUSTO PEREIRA, SE
[72] DE OLIVEIRA CAMPOS, SERGIO EDUARDO, SE
[72] BATISTA, RICARDO, SE
[72] HORCHULHAK, ALLAN FRANCISCO, SE
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2024-05-02
[86] 2022-11-15 (PCT/EP2022/082024)
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[30] EP (21208172.3) 2021-11-15

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[13] A1
[51] **Int.Cl. G06F 3/048 (2013.01) H04W 4/18 (2009.01) G06Q 30/02 (2023.01) G06V 20/50 (2022.01) G06V 40/10 (2022.01) H04W 4/021 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **TABLETOP DISPLAY DEVICE FOR ADVERTISING INFORMATION WITH WIRELESS CHARGING SUPPORT**
[54] **DISPOSITIF D'AFFICHAGE DE TABLE POUR INFORMATIONS PUBLICITAIRES AVEC SUPPORT DE CHARGE SANS FIL**
[72] LANE, ASHLEY MICHAEL JAMES, AE
[71] TOPOLO TECHNOLOGY INC., US
[85] 2024-05-02
[86] 2022-11-01 (PCT/US2022/079009)
[87] (WO2023/081623)
[30] US (63/263,579) 2021-11-05

[21] **3,237,070**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR SCREENING FOR, OR DIAGNOSIS OF, ENDOMETRIOSIS AND METHODS OF PREPARING CELLS THEREFOR**
[54] **PROCEDES DE CRIBLAGE OU DE DIAGNOSTIC DE L'ENDOMETRIOSE ET PROCEDES DE PREPARATION DE CELLULES ASSOCIES**
[72] GOLDMAN, DOROTHEE, US
[71] DIAGNOSTRIX AS, NO
[85] 2024-05-02
[86] 2022-11-09 (PCT/EP2022/081362)
[87] (WO2023/083911)
[30] US (63/277,342) 2021-11-09

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[13] A1
[51] **Int.Cl. G06Q 10/10 (2023.01) G06Q 50/00 (2024.01) G06F 16/901 (2019.01) H04L 67/306 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR USING GRAPH THEORY TO RANK CHARACTERISTICS**
[54] **SYSTEME ET PROCEDE D'UTILISATION DE LA THEORIE DES GRAPHES POUR CLASSER DES CARACTERISTIQUES**
[72] COUTINHO, ROBERTO, BR
[71] ADP, INC., US
[85] 2024-05-02
[86] 2022-11-09 (PCT/US2022/079526)
[87] (WO2023/086809)
[30] US (17/454,182) 2021-11-09

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[13] A1
[51] **Int.Cl. E21B 1/26 (2006.01) E21B 4/02 (2006.01) E21B 17/042 (2006.01) E21B 17/18 (2006.01) E21B 21/12 (2006.01) E21B 21/14 (2006.01)**
[25] EN
[54] **DRILL STRING AND COMPONENTS THEREFOR**
[54] **COLONNE DE FORAGE ET COMPOSANTS DE CELLE-CI**
[72] WESTCOTT, TIMOTHY DANIEL, AU
[71] TRI-TUBE DRILLING SYSTEMS PTY LTD, AU
[85] 2024-04-29
[86] 2022-10-03 (PCT/AU2022/051176)
[87] (WO2023/070145)
[30] AU (2021903466) 2021-10-29

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[13] A1
[51] **Int.Cl. A01K 11/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING MOVEMENT OR LOCATION OF ANIMAL**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETERMINER LE MOUVEMENT OU L'EMPLACEMENT D'UN ANIMAL**
[72] WERNIMONT, SUSAN, US
[72] VONDRAN, JODI, US
[72] THOMPSON, ROBIN, GB
[71] HILL'S PET NUTRITION, INC., US
[85] 2024-05-02
[86] 2022-11-08 (PCT/US2022/049209)
[87] (WO2023/086315)
[30] US (63/278,240) 2021-11-11
[30] US (63/278,250) 2021-11-11
[30] US (63/278,293) 2021-11-11

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[51] **Int.Cl. A61B 5/00 (2006.01) G16H 15/00 (2018.01) G16H 40/63 (2018.01) G16H 50/30 (2018.01) A61B 5/145 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR ANALYTE MONITORING**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE SURVEILLANCE D'ANALYTE**
[72] DUNN, TIMOTHY C., US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-05-02
[86] 2022-11-14 (PCT/US2022/049824)
[87] (WO2023/086632)
[30] US (63/279,509) 2021-11-15

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[13] A1
[51] **Int.Cl. D21H 19/02 (2006.01) D21H 19/08 (2006.01) D21H 19/82 (2006.01) D21H 19/84 (2006.01) D21H 27/10 (2006.01)**
[25] EN
[54] **LAMINATED PACKAGING MATERIAL AND PACKAGING CONTAINER COMPRISING A BARRIER-COATED CELLULOSE-BASED SUBSTRATE**
[54] **MATERIAU D'EMBALLAGE STRATIFIE ET RECIPIENT D'EMBALLAGE COMPRENANT UN SUBSTRAT A BASE DE CELLULOSE REVETU D'UNE BARRIERE**
[72] NYMAN, ULF, SE
[72] MARKBO, OLIVIA, SE
[72] ALDEN, MATS, SE
[72] KRIECHBAUM, KONSTANTIN, SE
[72] DAMASIO, RENATO AUGUSTO PEREIRA, SE
[72] DE OLIVEIRA CAMPOS, SERGIO EDUARDO, SE
[72] BATISTA, RICARDO, SE
[72] HORCHULHAK, ALLAN FRANCISCO, SE
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2024-05-02
[86] 2022-11-15 (PCT/EP2022/082026)
[87] (WO2023/084122)
[30] EP (21208175.6) 2021-11-15

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[13] A1
[51] **Int.Cl. B05C 17/005 (2006.01)**
[25] EN
[54] **SAUSAGE PACKAGE DISPENSING SYSTEM, DEVICE AND METHOD**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DE DISTRIBUTION D'EMBALLAGE DE SAUCISSES**
[72] LEE, GEORGE L., US
[71] RED DEVIL INC., US
[85] 2024-04-26
[86] 2022-11-11 (PCT/US2022/079685)
[87] (WO2023/091877)
[30] US (17/531,113) 2021-11-19

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[13] A1
[51] **Int.Cl. H01Q 1/08 (2006.01) H01Q 1/28 (2006.01) H01Q 1/44 (2006.01) H01Q 3/26 (2006.01) H01Q 9/16 (2006.01) H01Q 21/24 (2006.01)**
[25] EN
[54] **SATELLITE PLATFORM AND METHOD FOR RECONFIGURING THE ELECTROMAGNETIC BEAM OF SUCH A SATELLITE PLATFORM**
[54] **PLATEFORME SATELLITE ET PROCEDE DE RECONFIGURATION DU FAISCEAU ELECTROMAGNETIQUE D'UNE TELLE PLATEFORME SATELLITE**
[72] LEGAY, HERVE, FR
[72] TUBAU, SEGOLENE, FR
[71] THALES, FR
[85] 2024-05-02
[86] 2022-10-25 (PCT/EP2022/079794)
[87] (WO2023/078736)
[30] FR (FR2111690) 2021-11-04

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[13] A1
[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **DOCKING AN EYE FOR OPHTHALMIC LASER TREATMENT**
[54] **FIXATION D'UN OEIL POUR TRAITEMENT LASER OPHTALMIQUE**
[72] LORNER, JOHANNES, DE
[72] RIEDEL, PETER, DE
[72] SCHMID, STEFAN, DE
[72] VETTER, ANDREAS, DE
[71] ALCON INC., CH
[85] 2024-05-02
[86] 2023-04-14 (PCT/IB2023/053854)
[87] (WO2023/203455)
[30] US (63/363,322) 2022-04-21

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[13] A1
[51] **Int.Cl. B28B 1/00 (2006.01) B33Y 10/00 (2015.01) B28B 23/02 (2006.01) E04B 1/16 (2006.01) E04C 5/06 (2006.01) E04C 5/16 (2006.01) E04G 21/04 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A MODULE OF A BUILDING BY MEANS OF 3D CONCRETE PRINTING**
[54] **PROCEDE DE FABRICATION D'UN MODULE DE CONSTRUCTION A L'AIDE D'UNE IMPRESSION DE BETON EN 3D**
[72] HENDRIKS, LAMBERTUS NICOLAAS, NL
[71] CYBE CONSTRUCTION BV, NL
[85] 2024-05-02
[86] 2022-07-31 (PCT/NL2022/050454)
[87] (WO2023/014219)
[30] NL (2028922) 2021-08-04

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/55 (2006.01) C12P 19/30 (2006.01)**
[25] EN
[54] **ENDONUCLEASES THAT SELECTIVELY CLEAVE SINGLE-STRANDED NUCLEIC ACIDS AND USES THEREOF**
[54] **ENDONUCLEASES CLIVANT SELECTIVEMENT DES ACIDES NUCLEIQUES SIMPLE BRIN ET LEURS UTILISATIONS**
[72] VEYRIER, FREDERIC, CA
[72] CHENAL, MARTIN, CA
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2024-05-02
[86] 2022-11-11 (PCT/CA2022/051668)
[87] (WO2023/082011)
[30] US (63/263,896) 2021-11-11

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[13] A1
[51] **Int.Cl. H04B 5/00 (2024.01) H04W 72/04 (2023.01) H04W 88/08 (2009.01)**
[25] EN
[54] **DYNAMIC FREQUENCY ALLOCATION METHOD FOR BASE STATION, SHELF LABEL SYSTEM AND COMPUTER DEVICE**
[54] **PROCEDE D'ATTRIBUTION DYNAMIQUE D'UNE FREQUENCE A UNE STATION DE BASE, ET SYSTEME D'ETIQUETTE DE PRIX ET DISPOSITIF INFORMATIQUE**
[72] LIANG, MIN, CN
[72] JIANG, QI, CN
[72] JI, YAPING, CN
[71] HANSHOW TECHNOLOGY CO., LTD., CN
[85] 2024-05-02
[86] 2023-04-27 (PCT/CN2023/091055)
[87] (WO2023/216898)
[30] CN (202210496841.0) 2022-05-09

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **HUMAN BROADLY CROSSREACTIVE INFLUENZA MONOCLONAL ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS MONOCLONAUX HUMAINS CONTRE LA GRIPPE LARGEMENT REACTIFS ET LEURS PROCEDES D'UTILISATION**
[72] MARASCO, WAYNE A., US
[72] RAMSTEDT, HANS URBAN, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[71] ABVIRO LLC, US
[85] 2024-05-02
[86] 2022-11-07 (PCT/US2022/049142)
[87] (WO2023/081471)
[30] US (63/276,374) 2021-11-05

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[13] A1
[51] **Int.Cl. H01C 7/12 (2006.01) H01H 37/76 (2006.01) H01H 73/04 (2006.01) H01T 2/02 (2006.01) H01T 4/14 (2006.01) H01H 9/32 (2006.01) H01H 9/46 (2006.01) H01H 85/44 (2006.01) H01T 1/02 (2006.01) H01T 1/14 (2006.01)**
[25] EN
[54] **SURGE ARRESTER INCLUDING A DISCONNECTOR AND RELATED EXTINGUISHING/DEIONIZATION CHAMBER**
[54] **PARASURTENSEUR COMPRENANT UN SECTIONNEUR ET CHAMBRE D'EXTINCTION / DE DEIONISATION ASSOCIEE**
[72] D'IPPOLITO, GIANFRANCO, IT
[71] ZOTUP S.R.L., IT
[85] 2024-05-02
[86] 2022-10-25 (PCT/IB2022/060225)
[87] (WO2023/084346)
[30] IT (102021000028448) 2021-11-09

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 90/00 (2016.01) A61B 17/32 (2006.01)**
[25] EN
[54] **MEDICAL INSTRUMENT, IN PARTICULAR FOR PERCUTANEOUS SURGICAL/MEDICAL PROCEDURES**
[54] **INSTRUMENT MEDICAL, EN PARTICULIER POUR DES PROCEDURES CHIRURGICALES/MEDICALES PERCUTANEES**
[72] MOUNGONDO, FABIAN, BE
[72] SCHUIND, FREDERIC, CH
[71] SPIRECUT SA, CH
[85] 2024-05-02
[86] 2022-11-01 (PCT/IB2022/060518)
[87] (WO2023/079439)
[30] EP (21206825.8) 2021-11-07

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[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) A61K 47/64 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INTRACELLULAR DELIVERY COMPOSITIONS**
[54] **COMPOSITIONS POUR ADMINISTRATION INTRACELLULAIRE**
[72] SHILOVITZKY, ORIT, IL
[72] CHEN ZELTSBURG, LILACH, IL
[72] UZAN GUETA, ROZI RAVIT, IL
[72] LEWKOWICZ, AYALA, IL
[72] GOTTFRIED, YOSSI, IL
[72] FAYGENBOIM-ORNAI, ROTEM, IL
[72] EYLON, BAT-HEN, IL
[72] FREILICH, SHAY, IL
[72] HAKIM, MOTTI, IL
[72] SAPIR, YAIR, IL
[72] MANDEL, ILANA, IL
[72] BEN-MOSHE, TEHILA, IL
[72] SHULMAN, AVIDOR, IL
[71] BIOND BIOLOGICS LTD., IL
[85] 2024-05-02
[86] 2022-11-03 (PCT/IL2022/051164)
[87] (WO2023/079553)
[30] US (63/275,049) 2021-11-03
[30] US (63/348,114) 2022-06-02

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[13] A1
[51] **Int.Cl. A01K 1/02 (2006.01) A45F 3/00 (2006.01) A45F 3/02 (2006.01) A45F 3/04 (2006.01)**
[25] EN
[54] **BACKPACK FOR CARRYING ANIMALS**
[54] **SAC A DOS DESTINE A TRANSPORTER DES ANIMAUX**
[72] REISBERG, BRYAN, US
[72] DUNN, SCOTT, US
[72] LEE, BRIAN, US
[71] LITTLE CHONK COMPANY, US
[85] 2024-05-02
[86] 2022-10-21 (PCT/US2022/047457)
[87] (WO2023/081027)
[30] US (63/275,526) 2021-11-04

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[13] A1
[51] **Int.Cl. G03F 7/00 (2006.01)**
[25] EN
[54] **IMPRINTING PROCESS**
[54] **PROCEDE D'IMPRESSION**
[72] TER MEULEN, JAN MATTHIJS, NL
[72] KIERKELS, JULES THEODORUS ANTONIUS, NL
[72] TITULAER, BRAM JOHANNES, NL
[71] MORPHOTONICS HOLDING B.V., NL
[85] 2024-05-02
[86] 2022-11-14 (PCT/EP2022/081817)
[87] (WO2023/084087)
[30] EP (21208282.0) 2021-11-15

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[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 50/107 (2021.01) H01M 50/167 (2021.01) H01M 50/533 (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, ET BLOC-BATTERIE ET VEHICULE LES COMPRENANT**
[72] LEE, JAE-EUN, KR
[72] PARK, JONG-SIK, KR
[72] KIM, SANG-YEOL, KR
[72] LEE, JE-JUN, KR
[72] KIM, HAK-KYUN, 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] 2024-05-02
[86] 2022-07-19 (PCT/KR2022/010563)
[87] (WO2023/090575)
[30] KR (10-2021-0160823) 2021-11-19

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[13] A1
[51] **Int.Cl. G02B 1/04 (2006.01)**
[25] EN
[54] **SUSTAINED RELEASE OF OLEIC ACID FROM CONTACT LENSES**
[54] **LIBERATION PROLONGEE D'ACIDE OLEIQUE A PARTIR DE LENTILLES DE CONTACT**
[72] NI, JING, US
[72] LIU, RONGHUA, US
[71] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2024-05-02
[86] 2023-09-25 (PCT/GB2023/052477)
[87] (WO2024/069147)
[30] US (63/410,240) 2022-09-27

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[13] A1
[51] **Int.Cl. G02C 7/04 (2006.01)**
[25] EN
[54] **CONTACT LENSES AND METHODS RELATING THERETO**
[54] **LENTILLES DE CONTACT ET PROCEDES ASSOCIES**
[72] WEBBER, MARTIN, GB
[72] BRADLEY, ARTHUR, US
[72] ARUMUGAM, BASKAR, US
[72] HAMMOND, DAVID S, US
[72] CHAMBERLAIN, PAUL, US
[71] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2024-05-02
[86] 2022-12-15 (PCT/GB2022/053241)
[87] (WO2023/118813)
[30] US (63/291,993) 2021-12-21

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/10 (2006.01) A61M 29/00 (2006.01)**
[25] EN
[54] **SYSTEMS FOR DELIVERING DEVICES FOR REGULATING BLOOD PRESSURE ACROSS AN ATRIAL SEPTUM**
[54] **SYSTEMES PERMETTANT D'ADMINISTRATION DE DISPOSITIFS POUR REGULER LA PRESSION SANGUINE A TRAVERS UN SEPTUM AURICULAIRE**
[72] NAE, NIR, IL
[72] RABINER, MICHAEL, IL
[72] WHITING, JAMES S., US
[71] V-WAVE LTD., IL
[85] 2024-05-02
[86] 2022-11-03 (PCT/IB2022/060621)
[87] (WO2023/079498)
[30] US (63/263,535) 2021-11-04

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/32 (2016.01) A61C 1/08 (2006.01) A61B 34/20 (2016.01)**
[25] EN
[54] **A ROBOT SYSTEM**
[54] **SYSTEME DE ROBOT**
[72] MOZES, ALON, US
[72] ROYAN, AJAY GOPAL, US
[72] MITTENDORFF, ROBERT, US
[72] MOSES, DENNIS, US
[72] BEUCKELAERS, ERIK PAUL FLOR, US
[71] NEOCIS INC., US
[85] 2024-05-02
[86] 2022-11-07 (PCT/IB2022/060702)
[87] (WO2023/079530)
[30] US (63/276,986) 2021-11-08

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[13] A1
[51] **Int.Cl. A23F 3/16 (2006.01) A23F 3/22 (2006.01) A23F 3/32 (2006.01) A23F 5/12 (2006.01) A23F 5/28 (2006.01) A23F 5/40 (2006.01) A23F 5/42 (2006.01) A47J 31/36 (2006.01) B65D 85/804 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A COMPOSTABLE BEVERAGE CAPSULE**
[54] **PROCEDE DE FABRICATION D'UNE CAPSULE DE BOISSON COMPOSTABLE**
[72] SIEFARTH, CAROLINE, CH
[72] AFFOLTER, ROLAND, CH
[72] THILLA, TIM, DE
[72] GROSS, SILVIA, IT
[72] TURIONI, CHIARA, IT
[71] DELICA AG, CH
[85] 2024-05-02
[86] 2022-11-15 (PCT/EP2022/081956)
[87] (WO2023/088880)
[30] EP (21209384.3) 2021-11-19

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[13] A1
[51] **Int.Cl. B01D 35/06 (2006.01) B03C 5/02 (2006.01)**
[25] EN
[54] **FILTRATION DEVICE AND FILTRATION SYSTEM**
[54] **DISPOSITIF ET SYSTEME DE FILTRATION**
[72] OOMORI, KAZUKI, JP
[72] USUI, MASAYOSHI, JP
[72] TANI, KOICHI, JP
[72] KAMATANI, AKITO, JP
[71] MITSUBISHI KAKOKI KAISHA, LTD., JP
[85] 2024-05-02
[86] 2022-11-04 (PCT/JP2022/041153)
[87] (WO2023/080199)
[30] JP (PCT/JP2021/040863) 2021-11-05
[30] JP (2022-027233) 2022-02-24

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[13] A1
[51] **Int.Cl. A23K 20/158 (2016.01) A61K 47/12 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **SOFT CHEW**
[54] **PRODUIT A MACHER MOU**
[72] GRIFFIN, DAVID, US
[72] DAVIS, BINH, US
[72] RATKOWSKI, HUBERT, US
[71] NUTRAMAX LABORATORIES, INC., US
[85] 2024-05-02
[86] 2022-11-11 (PCT/US2022/049717)
[87] (WO2023/086578)
[30] US (63/278,132) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 31/415 (2006.01) A61K 31/422 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 231/12 (2006.01) C07D 401/14 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CANCER TREATMENT**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DU CANCER**
[72] LISTOVSKY, TAMAR, IL
[72] TOBI, DROR, IL
[71] ARIEL SCIENTIFIC INNOVATIONS LTD., IL
[85] 2024-05-02
[86] 2022-11-06 (PCT/IL2022/051173)
[87] (WO2023/079556)
[30] US (63/276,217) 2021-11-05
[30] US (63/306,245) 2022-02-03

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[13] A1
[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/17 (2006.01) H01J 37/32 (2006.01) H05H 1/16 (2006.01) H05H 1/46 (2006.01)**
[25] EN
[54] **CERAMIC FIBERS FOR SHIELDING IN VACUUM CHAMBER SYSTEMS AND METHODS FOR USING SAME**
[54] **FIBRES CERAMIQUES DE PROTECTION DANS DES SYSTEMES DE CHAMBRE A VIDE ET LEURS PROCEDES D'UTILISATION**
[72] CAMPBELL, BRIAN, US
[72] KIRTLEY, DAVID, US
[72] PANCOTTI, ANTHONY, US
[72] PIHL, CHRISTOPHER JAMES, US
[72] VOTROUBEK, GEORGE, US
[71] HELION ENERGY, INC., US
[85] 2024-05-02
[86] 2022-11-07 (PCT/US2022/079394)
[87] (WO2023/081882)
[30] US (63/276,300) 2021-11-05

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[13] A1
[51] **Int.Cl. B60L 58/18 (2019.01) H02M 7/49 (2007.01)**
[25] EN
[54] **A CIRCUIT MODULE FOR CONTROLLING A PLURALITY OF ENERGY CELL UNITS**
[54] **MODULE DE CIRCUIT POUR COMMANDER UNE PLURALITE D'UNITES DE CELLULES D'ENERGIE**
[72] BRAATHEN, WILLIAM, NO
[72] BJERKEDOK, JONATHAN EDVARD, NO
[71] HAGAL TECHNOLOGY AS, NO
[85] 2024-05-02
[86] 2022-10-26 (PCT/NO2022/050244)
[87] (WO2023/080793)
[30] NO (20211336) 2021-11-05

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[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/34 (2006.01) A61K 8/365 (2006.01) A61K 8/37 (2006.01) A61K 8/46 (2006.01) A61K 8/99 (2017.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01) A61P 17/08 (2006.01) A61P 17/10 (2006.01) A61P 29/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **SKIN CARE COMPOSITION AND USES THEREOF**
[54] **COMPOSITION DE SOIN DE LA PEAU ET SES UTILISATIONS**
[72] GOMEZ MARTIN-AMBROSIO, LAURA, BE
[72] ROZAS BELMONTE, MIQUEL, BE
[72] ZORGANI, AMINE, BE
[72] PAETZOLD, BERNHARD, BE
[72] VERHEYEN, WILLY, BE
[71] S-BIOMEDIC NV, BE
[85] 2024-05-02
[86] 2023-01-12 (PCT/EP2023/050583)
[87] (WO2023/135186)
[30] EP (22151098.5) 2022-01-12

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) C07D 401/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **COMPOUND HAVING BTK PROTEIN DEGRADATION ACTIVITY, AND MEDICAL USES THEREOF**
[54] **COMPOSE AYANT UNE ACTIVITE DE DEGRADATION DE LA PROTEINE BTK, ET UTILISATIONS MEDICALES ASSOCIEES**
[72] LEE, SONG HEE, KR
[72] RYU, JE HO, KR
[72] AHN, JUNG MIN, KR
[72] MOON, HEE JUNG, KR
[72] LEE, HO HYUN, KR
[72] JANG, MI YOUNG, KR
[72] YUN, WHEE SAHNG, KR
[72] KIM, YE EUN, KR
[72] YOO, SUN MI, KR
[72] LIM, YE SEUL, KR
[72] JEONG, NA RAE, KR
[72] KIM, SO HYUK, KR
[72] CHOI, AE RAN, KR
[72] KIM, HAN WOOL, KR
[71] UBIX THERAPEUTICS, INC., KR
[85] 2024-05-02
[86] 2022-11-04 (PCT/KR2022/017291)
[87] (WO2023/080732)
[30] KR (10-2021-0151162) 2021-11-05
[30] KR (10-2022-0034349) 2022-03-18

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[13] A1
[51] **Int.Cl. B26D 1/157 (2006.01) H01M 10/0587 (2010.01) H01M 50/538 (2021.01) B26D 5/08 (2006.01) B26D 7/08 (2006.01) H01M 10/04 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY AND MANUFACTURING APPARATUS AND METHOD THEREOF, CYLINDRICAL BATTERY INCLUDING THE ELECTRODE ASSEMBLY, AND BATTERY PACK AND VEHICLE INCLUDING THE SAME**
[54] **ENSEMBLE D'ELECTRODES, PROCEDE ET APPAREIL POUR LE FABRIQUER, BATTERIE CYLINDRIQUE COMPRENANT UN ENSEMBLE D'ELECTRODES, ET BLOC-BATTERIE ET VEHICULE COMPRENANT LA BATTERIE CYLINDRIQU**
[72] CHUNG, JOO-YOUNG, KR
[72] KIM, JIN-GON, KR
[72] JUNG, SU-TAEK, KR
[72] KIM, TAE-JONG, KR
[72] LEE, BYEONG-KYU, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-02
[86] 2022-11-24 (PCT/KR2022/018772)
[87] (WO2023/096389)
[30] KR (10-2021-0163807) 2021-11-24
[30] KR (10-2022-0107707) 2022-08-26

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[13] A1
[51] **Int.Cl. A01G 9/14 (2006.01) A01G 9/24 (2006.01) H02S 20/30 (2014.01) H02S 40/22 (2014.01) H02S 40/40 (2014.01) H02S 40/44 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ON-DEMAND INSULATION BETWEEN LAYERS OF A DOUBLE-LAYERED WINDOW**
[54] **SYSTEME ET PROCEDE D'ISOLATION A LA DEMANDE ENTRE LES PAROIS D'UNE FENETRE A DOUBLE PAROI**
[72] PAUL, ALEXANDER, US
[71] PAUL, ALEXANDER, US
[85] 2024-05-02
[86] 2022-11-05 (PCT/US2022/079355)
[87] (WO2023/081864)
[30] US (17/520,678) 2021-11-07
[30] US (63/321,680) 2022-03-19

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[13] A1
[51] **Int.Cl. B01J 23/745 (2006.01) B01D 53/50 (2006.01) B01D 53/52 (2006.01) B01D 53/56 (2006.01) B01D 53/62 (2006.01) B01D 53/86 (2006.01)**
[25] EN
[54] **PROCESS FOR DIRECT CONVERSION OF FLUE GAS IN LOW-CARBON FUELS AND IRON-BASED CATALYSTS TO CARRY OUT SAME**
[54] **PROCEDE DE CONVERSION DIRECTE DE GAZ DE COMBUSTION DANS DES COMBUSTIBLES A FAIBLE TENEUR EN CARBONE ET CATALYSEURS A BASE DE FER POUR LE METTRE EN ?UVRE**
[72] LAVOIE, JEAN-MICHEL, CA
[72] REGO DE VASCONCELOS, BRUNA, CA
[72] GONCALVES MACEDO DE MEDEIROS, FABIO, BR
[71] SOCPRA SCIENCES ET GENIE S.E.C., CA
[85] 2024-05-02
[86] 2022-11-07 (PCT/CA2022/051644)
[87] (WO2023/077243)
[30] US (63/263,592) 2021-11-05

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[13] A1
[51] **Int.Cl. A61K 36/81 (2006.01) A61K 36/896 (2006.01) A61P 15/12 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **WITHANIA SOMNIFERA AND ASPARAGUS RACEMOSUS IN TREATING POST-MENOPAUSAL CONDITIONS**
[54] **WITHANIA SOMNIFERA ET ASPARAGUS RACEMOSUS DANS LE TRAITEMENT D'ETATS POST-MENOPAUSIQUES**
[72] KALIDINDI, SANYASI R., US
[71] NATREON, INC., US
[85] 2024-05-02
[86] 2022-11-15 (PCT/US2022/049905)
[87] (WO2023/091390)
[30] US (63/280,356) 2021-11-17

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[13] A1
[51] **Int.Cl. H01M 50/124 (2021.01)**
[25] EN
[54] **SECONDARY BATTERY, AND BATTERY PACK AND VEHICLE COMPRISING SAME**
[54] **BATTERIE SECONDAIRE, ET BLOC-BATTERIE ET VEHICULE COMPRENANT CELLE-CI**
[72] WON, JIN HYEOK, KR
[72] RYU, DUK HYUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-02
[86] 2022-11-18 (PCT/KR2022/018320)
[87] (WO2023/090940)
[30] KR (10-2021-0160776) 2021-11-19

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[13] A1
[51] **Int.Cl. A61B 5/03 (2006.01) A61M 5/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **IN-LINE MEASUREMENT AND/OR DETECTION OF ANALYTES, CONTAMINANTS, AND PHYSICAL CHARACTERISTICS IN BODY FLUID MANAGEMENT SYSTEMS**
[54] **MESURE ET/OU DETECTION EN LIGNE D'ANALYTES, DE CONTAMINANTS ET DE CARACTERISTIQUES PHYSIQUES DANS DES SYSTEMES DE GESTION DE FLUIDES CORPORELS**
[72] MORSE, CAITLIN D.C., US
[72] MORSE, STEPHEN A., US
[71] BRAINSPACE, INC., US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/048818)
[87] (WO2023/081278)
[30] US (63/275,232) 2021-11-03
[30] US (63/315,910) 2022-03-02

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[13] A1
[51] **Int.Cl. F16B 37/04 (2006.01) F16B 39/282 (2006.01)**
[25] EN
[54] **MULTIPLE FASTENER RESTRAINER AND METHODS IMPLEMENTING THE SAME**
[54] **DISPOSITIF DE RETENUE DE MULTIPLES ELEMENTS DE FIXATION ET PROCEDES METTANT EN OEUVRE CELUI-CI**
[72] GOLDSTEIN, EDWARD, US
[71] ATLAS TUBE CONNECTIONS, LLC, US
[85] 2024-05-02
[86] 2022-11-09 (PCT/US2022/049377)
[87] (WO2023/086369)
[30] US (63/277,352) 2021-11-09

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[13] A1
[51] **Int.Cl. B60K 35/00 (2024.01) B64C 1/00 (2006.01)**
[25] EN
[54] **INFORMATION DISPLAY SYSTEM AND METHOD FOR ELECTRIC OR HYBRID AIRCRAFTS**
[54] **SYSTEME ET PROCEDE D'AFFICHAGE D'INFORMATIONS POUR AERONEFS ELECTRIQUES OU HYBRIDES**
[72] BOIRIN, STEPHANE PIERRE-JEAN, CH
[72] OSEN, KARL, CH
[72] DEMONT, SEBASTIEN, CH
[72] DANI, BASTIAN, CH
[71] H55 SA, CH
[85] 2024-05-02
[86] 2022-11-03 (PCT/IB2022/060613)
[87] (WO2023/079492)
[30] CH (CH070513/21) 2021-11-05

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[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 50/167 (2021.01) H01M 50/179 (2021.01) H01M 50/186 (2021.01) H01M 50/193 (2021.01) H01M 50/198 (2021.01) H01M 50/342 (2021.01) H01M 50/538 (2021.01) H01M 50/559 (2021.01) H01M 50/567 (2021.01)**
[25] EN
[54] **RIVETING STRUCTURE FOR ELECTRODE TERMINAL, AND BATTERY CELL, BATTERY PACK, AND VEHICLE COMPRISING SAME**
[54] **STRUCTURE DE RIVETAGE POUR BORNE D'ELECTRODE, ET CELLULE DE BATTERIE, BLOC-BATTERIE ET VEHICULE LA COMPRENANT**
[72] WON, JIN HYEOK, KR
[72] RYU, DUK HYUN, KR
[72] LEE, BYOUNGGU, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-02
[86] 2022-07-18 (PCT/KR2022/010446)
[87] (WO2023/096062)
[30] KR (10-2021-0165315) 2021-11-26

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[13] A1
[51] **Int.Cl. H01M 50/213 (2021.01) H01M 50/249 (2021.01) H01M 50/505 (2021.01) H01M 50/519 (2021.01) H01M 50/526 (2021.01) H01M 50/581 (2021.01)**
[25] EN
[54] **BATTERY MODULE FOR ELECTRICALLY-DRIVEN AIRCRAFT**
[54] **MODULE DE BATTERIE POUR AERONEF A ENTRAINEMENT ELECTRIQUE**
[72] DEMONT, SEBASTIEN, CH
[72] BOIRIN, STEPHANE PIERRE-JEAN, CH
[72] FOURNIER, MICHAEL ROGER, CH
[72] BOSI, NICOLAS, CH
[71] H55 SA, CH
[85] 2024-05-02
[86] 2021-11-05 (PCT/IB2021/060260)
[87] (WO2023/079345)

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/145 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **MULTIVALENT INFLUENZA VACCINES COMPRISING RECOMBINANT HEMAGGLUTININ AND NEURAMINIDASE AND METHODS OF USING THE SAME**
[54] **VACCINS CONTRE LA GRIPPE MULTIVALENTS COMPRENANT DE L'HEMAGGLUTININE ET DE LA NEURAMINIDASE RECOMBINANTES ET LEURS METHODES D'UTILISATION**
[72] ALEFANTIS, TIMOTHY, US
[72] BARRO, MARIO, US
[72] BYERS, ANTHONY, US
[72] CORTES-GARCIA, GUADALUPE, US
[72] GILBERT, PHILIPPE-ALEXANDRE, US
[72] KLEANTHOUS, HAROLD, US
[72] NAIK, ARMAGHAN, US
[72] PUGACHEV, KONSTANTIN, US
[72] SRIDHAR, SARANYA, US
[72] VOGEL, THORSTEN, US
[72] WARREN, WILLIAM, US
[71] SANOFI PASTEUR INC., US
[85] 2024-05-02
[86] 2022-11-04 (PCT/US2022/079274)
[87] (WO2023/081798)
[30] US (63/276,284) 2021-11-05

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[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G16H 30/20 (2018.01) G16H 30/40 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A CORRECTED PLANAR SCINTIGRAPHY IMAGE (CPSI)**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'UNE IMAGE SCINTIGRAPHIQUE PLANE CORRIGEE (CPSI)**
[72] SCHMIDTLEIN, ROSS, US
[72] XU, YUSEHENG, US
[72] KROL, ANDRZEJ, US
[72] GIFFORD, HOWARD, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN KETTERING INSTITUTE FOR CANCER RESEARCH, US
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[30] US (63/276,504) 2021-11-05

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[51] **Int.Cl. C02F 1/28 (2006.01) C02F 1/00 (2006.01) C02F 1/52 (2006.01)**
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[54] **METHOD FOR REMOVING DISSOLVED ORGANIC SUBSTANCES IN LIQUIDS WITH A SUPERFINE ADSORBENT AND AN AGENT FOR CARRYING OUT THE METHOD**
[54]
[72] GRABBE, ULRICH, CH
[72] FUNDNEIDER, THOMAS, CH
[71] MECANA AG, CH
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[86] 2022-11-28 (PCT/EP2022/083470)
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[30] DE (10 2021 131 310.4) 2021-11-29

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[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING VARIANCE OR COVARIANCE DATA**
[54] **APPAREIL, PROCEDE OU PROGRAMME INFORMATIQUE POUR SYNTHETISER UNE SOURCE SONORE ETENDUE DANS L'ESPACE EN UTILISANT DES DONNEES DE VARIANCE OU DE COVARIANCE**
[72] WU, YUN-HAN, DE
[72] HERRE, JUERGEN, DE
[72] KOROTIAEV, MIKHAIL, DE
[72] GEIER, MATTHIAS, DE
[72] SCHWAER, SIMON, DE
[72] ADAMI, ALEXANDER, DE
[72] ANEMUELLER, CARLOTTA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-02
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[25] EN
[54] **HYBRID MULTIVALENT INFLUENZA VACCINES COMPRISING HEMAGGLUTININ AND NEURAMINIDASE AND METHODS OF USING THE SAME**
[54] **VACCINS CONTRE LA GRIPPE MULTIVALENTS HYBRIDES COMPRENANT DE L'HEMAGGLUTININE ET DE LA NEURAMINIDASE ET LEURS PROCEDES D'UTILISATION**
[72] ALEFANTIS, TIMOTHY, US
[72] BARRO, MARIO, US
[72] SRIDHAR, SARANYA, US
[72] VOGEL, THORSTEN, US
[72] WARREN, WILLIAM, US
[71] SANOFI, FR
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[54] **CAMISOLE DE COMPRESSION POUR LA POITRINE**
[72] FREEMAN, CHLOE, US
[71] FOR THEM, INC., US
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[54] **LOCK, IN PARTICULAR RUBBISH BIN LOCK**
[54] **SERRURE, EN PARTICULIER SERRURE DE POUBELLE**
[72] MATUSCHEK, MANFRED, DE
[71] S. FRANZEN SOHNE GMBH, DE
[85] 2024-05-02
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[54] **ANTITUMOR COMBINATIONS CONTAINING ANTI-CEACAM5 ANTIBODY-DRUG CONJUGATES AND ANTI-VEGFR-2 ANTIBODIES**
[54] **COMBINAISONS ANTITUMORALES CONTENANT DES CONJUGUES ANTICORPS-MEDICAMENT ANTI-CEACAM5 ET DES ANTICORPS ANTI-VEGFR-2**
[72] CHADJAA, MUSTAPHA, FR
[72] LACOSTE-BOURGEACQ, ANNE-SOPHIE, FR
[72] LE BAIL, NATHALIE, FR
[72] NICOLAZZI, CELINE, FR
[72] BENSFIA, SAMIRA, US
[71] SANOFI, FR
[71] ELI LILLY AND COMPANY, US
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[54] **SENSOR SYSTEM FOR DRY POWDER ELECTRODE FORMATION AND METHODS OF USING THE SAME**
[54] **SYSTEME DE CAPTEUR POUR FORMATION D'ELECTRODE EN POUDRE SECHE ET SES PROCEDES D'UTILISATION**
[72] HACKFORT, THOMAS, DE
[72] GOTTSZKY, JORG, DE
[72] WOLTERS, KAY, DE
[71] MATTHEWS INTERNATIONAL CORPORATION, US
[85] 2024-05-02
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF HUMANIZED ANTI-CD40 ANTIBODIES AND USES THEREOF**
[54] **COMPOSITIONS PHARMACEUTIQUES D'ANTICORPS ANTI-CD40 HUMANISES ET LEURS UTILISATIONS**
[72] PAOLINI, JOHN F., US
[72] KRANZ, JAMES, US
[71] KINIKSA PHARMACEUTICALS, GMBH, CH
[85] 2024-05-02
[86] 2022-11-01 (PCT/US2022/079047)
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[54] **ANTENNA CHANNEL SOUNDING METHOD, APPARATUS, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE DETECTION DE CANAL D'ANTENNE, ET SUPPORT DE STOCKAGE**
[72] YU, JIAN, CN
[72] RUAN, WEI, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **METHOD FOR ALTERING PLASMA RETENTION AND IMMUNOGENICITY OF ANTIGEN-BINDING MOLECULE**
[54] **METHODE DE MODIFICATION DE LA RETENTION DU PLASMA ET DE L'IMMUNOGENICITE DE MOLECULE LIANT UN ANTIGENE**
[72] IGAWA, TOMOYUKI, JP
[72] MAEDA, ATSUHIKO, JP
[72] HARAYA, KENTA, JP
[72] IWAYANAGI, YUKI, JP
[72] TACHIBANA, TATSUHIKO, JP
[72] MIMOTO, FUTA, JP
[72] KURAMOCHI, TAICHI, JP
[72] KATADA, HITOSHI, JP
[72] KADONO, SHOJIRO, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
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[54] **METHODS AND APPARATUS FOR CONDITIONING CELL POPULATIONS FOR CELL THERAPIES**
[54] **PROCEDES ET APPAREIL POUR LE CONDITIONNEMENT DE POPULATIONS DE CELLULES POUR DES THERAPIES CELLULAIRES**
[72] COX, CHARLES S., US
[72] GILL, BRIJESH S., US
[72] AROOM, KEVIN, US
[72] WENZEL, PAMELA, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **METHODS FOR THE TREATMENT OF ABNORMAL INVOLUNTARY MOVEMENT DISORDERS**
[54] **METHODES DE TRAITEMENT DE TROUBLES DES MOUVEMENTS INVOLONTAIRES ANORMAUX**
[72] STAMLER, DAVID, US
[72] HUANG, MICHAEL FANGCHING, US
[71] AUSPEX PHARMACEUTICALS, INC., US
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[25] EN
[54] **SALT FORMS OF A COMPLEMENT COMPONENT C5A RECEPTOR**
[54] **FORMES SALINES D'UN RECEPTEUR DU COMPOSANT DU COMPLEMENT C5A**
[72] SINGH, RAJINDER, US
[72] YAU, KWOK, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[72] LUI, REBECCA M., US
[72] YANG, JU, US
[72] ROTH, HOWARD S., US
[71] CHEMOCENTRYX, INC., US
[22] 2020-11-06
[41] 2021-05-14
[62] 3,155,950
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[51] **Int.Cl. C07D 211/60 (2006.01) A61K 31/185 (2006.01) A61K 31/451 (2006.01) A61P 29/00 (2006.01) C07C 309/05 (2006.01) C07C 309/25 (2006.01) C07C 309/29 (2006.01) C07C 309/30 (2006.01) C07C 309/35 (2006.01)**
[25] EN
[54] **SALT FORMS OF A COMPLEMENT COMPONENT C5A RECEPTOR**
[54] **FORMES SALINES D'UN RECEPTEUR DU COMPOSANT DU COMPLEMENT C5A**
[72] SINGH, RAJINDER, US
[72] YAU, KWOK, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[72] LUI, REBECCA M., US
[72] YANG, JU, US
[72] ROTH, HOWARD S., US
[71] CHEMOCENTRYX, INC., US
[22] 2020-11-06
[41] 2021-05-14
[62] 3,155,950
[30] US (62/932,658) 2019-11-08

[21] **3,236,256**
[13] A1
[25] EN
[54] **SALT FORMS OF A COMPLEMENT COMPONENT C5A RECEPTOR**
[54]
[72] SINGH, RAJINDER, US
[72] YAU, KWOK, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[72] LUI, REBECCA M., US
[72] YANG, JU, US
[72] ROTH, HOWARD S., US
[71] CHEMOCENTRYX, INC., US
[22] 2020-11-06
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[62] 3,155,950
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[54] **SALT FORMS OF A COMPLEMENT COMPONENT C5A RECEPTOR**
[54] **FORMES SALINES D'UN RECEPTEUR DU COMPOSANT DU COMPLEMENT C5A**
[72] SINGH, RAJINDER, US
[72] YAU, KWOK, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[72] LUI, REBECCA M., US
[72] YANG, JU, US
[72] ROTH, HOWARD S., US
[71] CHEMOCENTRYX, INC., US
[22] 2020-11-06
[41] 2021-05-14
[62] 3,155,950
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[54] **TRACK STRUCTURE WITH CENTER RAIL**
[54]
[72] LAMBERT, AARON KEVIN, CA
[71] RIINO INC., CA
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[62] 3,206,643

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[25] EN
[54] **SETTING TOOLS AND ASSEMBLIES FOR SETTING A DOWNHOLE ISOLATION DEVICE SUCH AS A FRAC PLUG**
[54] **OUTILS ET ENSEMBLES DE REGLAGE POUR LA MISE EN PLACE D`UN DISPOSITIF D`ISOLATION DE FOND DE TROU TEL QU`UN BOUCHON DE FRACTURATION**
[72] MICKEY, CLINT, US
[72] KENDRICK, KENNETH, US
[71] REPEAT PRECISION, LLC, US
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[54] **A COVERING ELEMENT FOR FLOOR AND A FLOOR COVERING**
[54] **ELEMENT DE RECOUVREMENT POUR PLANCHER ET UN COUVRE-PLANCHER**
[72] PAGANELLI, MARIANO, IT
[72] BENEVENTI, CLAUDIO, IT
[72] VALERIANI, LORENZO, IT
[71] FLOORING INDUSTRIES LIMITED, SARL, LU
[22] 2020-08-19
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[54] **STRUCTURAL MEMBER OF A TRANSOM**
[54] **ELEMENT STRUCTURAL D'UNE TRAVERSE D'IMPOSTE**
[72] MAKWICH, GORDON, CA
[72] SCHWARTZ, JOEL, CA
[72] JAROLIM, ADAM, CA
[71] GRANDVIEW EA BUILDING SYSTEMS CORP., CA
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[62] 3,114,850

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[51] **Int.Cl. A01N 53/08 (2006.01) A01N 25/28 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **STABLE CO-FORMULATION OF BENZOYLUREA WITH PYRETHROIDS**
[54] **CO-FORMULATION STABLE DE BENZOYLUREE AVEC DES PYRETHROIDES**
[72] MORE, PRAVIN NAMADEO, IN
[72] SHIRSAT, RAJAN RAMAKANT, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
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[25] EN
[54] **SYSTEM AND METHOD FOR CHARACTERISING BIOREACTOR FLUIDS USING A MAGNETIC RESONANCE APPARATUS**
[54] **SYSTEME ET PROCEDE DE CARACTERISATION DE FLUIDES DE BIOREACTEUR A L'AIDE D'UN APPAREIL DE RESONANCE MAGNETIQUE**
[72] BLUMBERG, DAVID, US
[72] TILLEY, MICHAEL C., US
[72] KANE, DEREK G., US
[72] NIVENS, DAVID C., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[54] **COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'HEMOGLOBINOPATHIES**
[72] SLAYMAKER, IAN, US
[72] GAUDELLI, NICOLE, US
[72] YU, YI, US
[72] ZETSCHE, BERND, US
[72] BORN, DAVID A., US
[72] LEE, SEUNG-JOO, US
[72] PACKER, MICHAEL, US
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[54] **DOSAGE FORM COMPOSITIONS COMPRISING AN INHIBITOR OF BRUTON'S TYROSINE KINASE**
[54] **COMPOSITIONS DE FORMES GALENIQUES COMPRENANT UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] MAO, CHEN, US
[72] KOU, DAWEN, US
[72] CHIANG, PO-CHANG, US
[71] F. HOFFMANN-LA ROCHE AG, CH
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[54] **SOLDER ALLOY, SOLDER BALL AND SOLDER JOINT**
[54] **ALLIAGE DE SOUDAGE, GLOBULE DE SOUDURE ET JOINT A BRASURE TENDRE**
[72] IIJIMA, YUKI, JP
[72] YOSHIKAWA, SHUNSAKU, JP
[72] DEI, KANTA, JP
[72] MATSUFUJI, TAKAHIRO, JP
[72] SUGISAWA, KOTA, JP
[71] SENJU METAL INDUSTRY CO., LTD., JP
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[54] **SYSTEM FOR CONTROLLING WATER USED FOR INDUSTRIAL FOOD PROCESSING**
[54] **SYSTEME DE REGULATION DE L'EAU UTILISEE POUR LA TRANSFORMATION INDUSTRIELLE D'ALIMENTS**
[72] BRENNAN, JAMES M., US
[72] LINDSTROM, DANNY ELMER, US
[72] MCGINNIS, CHRISTOPHER MICHAEL, US
[72] WILHELMSEN, ERIC CHILD, US
[71] SMARTWASH SOLUTIONS, LLC, US
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[54] **SOLDER ALLOY, SOLDER BALL AND SOLDER JOINT**
[54] **ALLIAGE DE SOUDAGE, GLOBULE DE SOUDURE ET JOINT A BRASURE TENDRE**
[72] IIJIMA, YUKI, JP
[72] YOSHIKAWA, SHUNSAKU, JP
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[72] MATSUFUJI, TAKAHIRO, JP
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[13] A1
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[54] **WATER VAPOR DISTILLATION APPARATUS, METHOD AND SYSTEM**
[54] **APPAREIL, PROCEDE ET SYSTEME DE DISTILLATION DE LA VAPEUR D'EAU**
[72] KAMEN, DEAN, US
[72] LAROCQUE, RYAN K., US
[72] LANGENFELD, CHRISTOPHER C., US
[72] ENT, STEPHEN M., US
[72] SCHNELLINGER, ANDREW A., US
[72] BHAT, PRASHANT, US
[72] SMITH, STANLEY B., III, US
[72] CLAPP, OTIS L., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[54] **SYSTEMS AND METHODS FOR FLUID DELIVERY**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE FLUIDES**
[72] KAMEN, DEAN, US
[72] KERWIN, JOHN M., US
[72] GRAY, LARRY B., US
[72] MANDRO, MARC A., US
[72] BLUMBERG, DAVID JR., US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[22] 2009-09-15
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[30] US (61/101,077) 2008-09-29
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[30] US (61/101,115) 2008-09-29
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[30] US (61/141,996) 2008-12-31
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[13] A1
[25] EN
[54] **WATER FILTRATION APPARATUS WITH IMPROVED FILTER CARTRIDGE HOUSING AND DISTRIBUTOR**
[54] **APPAREIL DE FILTRATION D'EAU EQUIPE D'UN LOGEMENT DE CARTOUCHE DE FILTRE AMELIORE ET D'UN DISTRIBUTEUR**
[72] MACDONALD, DANIEL NICHOLAS, CA
[72] CASTELLOTE, MIGUEL A., CA
[71] FILTER GROUP INC., CA
[22] 2018-03-26
[41] 2019-09-26
[62] 2,999,315

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[54] **WATER-BASED HYDROGEL BLEND COATING AND METHOD OF APPLICATION TO ELASTOMERIC ARTICLES**
[54] **REVETEMENT A BASE DE MELANGE D'HYDROGELS A BASE D'EAU ET PROCEDE D'APPLICATION SUR DES ARTICLES ELASTOMERES**
[72] WOO, CHOON KONG, US
[72] CHONG, CHUANG SIM, US
[72] DANGSEEYUN, NUJALEE, US
[72] WANNAWONG, PANOR, US
[71] ALLEGIANCE CORPORATION, US
[22] 2016-10-18
[41] 2017-04-27
[62] 3,001,865
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[54] **GAS-FED FERMENTATION REACTORS, SYSTEMS AND PROCESSES UTILIZING GAS/LIQUID SEPARATION VESSELS**
[54] **REACTEURS DE FERMENTATION ALIMENTES PAR GAZ, SYSTEMES ET PROCEDES UTILISANT DES RECIPIENTS DE SEPARATION GAZ/LIQUIDE**
[72] NGUYEN, LUAN THANH, US
[72] SILVERMAN, JOSHUA A., US
[72] AYLEN, GRAHAM IAN, US
[71] CALYSTA, INC., US
[22] 2018-08-13
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[62] 3,072,344
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[54] **SOLVENT COMPOSITION AND PROCESS FOR CLEANING CONTAMINATED INDUSTRIAL EQUIPMENT**
[54] **COMPOSITION DE SOLVANT ET PROCEDE DE NETTOYAGE D'EQUIPEMENT INDUSTRIEL CONTAMINE**
[72] MATZA, STEPHEN D., US
[71] UNITED LABORATORIES INTERNATIONAL, LLC, US
[22] 2018-01-16
[41] 2020-07-19
[62] 3,088,625
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[54] **SWARM PATH PLANNER SYSTEM FOR VEHICLES**
[54] **SYSTEME DE PLANIFICATION DE TRAJET EN ESSAIM POUR VEHICULES**
[72] PAGLIERONI, DAVID W., US
[72] BEER, N. REGINALD, US
[72] CHAMBERS, DAVID, US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[22] 2017-04-12
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[62] 3,093,522

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[54] **SECURITY SYSTEM FOR A MOVEABLE BARRIER OPERATOR**
[54] **SYSTEME DE SECURITE POUR UN OPERATEUR DE BARRIERE MOBILE**
[72] FITZGIBBON, JAMES J., US
[71] THE CHAMBERLAIN GROUP LLC, US
[22] 2018-12-20
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[54] **METHODS, SYSTEMS, AND MEDIA FOR CONTROLLING A TOOLFACE OF A DOWNHOLE TOOL**
[54] **METHODES, SYSTEMES ET SUPPORT POUR CONTROLER UNE FACE FONCTIONNELLE D`UN OUTIL DE FOND DE TROU**
[72] NEUFELDT, ADAM CHASE, CA
[72] ELEY, BRIAN JAMES, CA
[72] WILSON, THOMAS WILLIAM CHARLES, CA
[72] HOLT, TREVOR LEIGH, CA
[71] PASON SYSTEMS CORP., CA
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[54] **SONAR BEAM ZONE PRESENTATION**
[54] **PRESENTATION DE ZONE DE FAISCEAU SONAR**
[72] HOOPER, MATHEW J., NZ
[71] NAVICO HOLDING AS, NO
[22] 2022-01-19
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[62] 3,146,087
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[54] **MEMBRANES, SEPARATORS, BATTERIES, AND METHODS**
[54] **MEMBRANES, SEPARATEURS, BATTERIES ET METHODES**
[72] SHI, LIE, US
[72] WENSLEY, GLEN C., US
[72] ZHANG, ZHENGMING, US
[72] CHEMELEWSKI, KATHARINE, US
[72] MA, JUNQING, US
[72] SMITH, RONNIE E., US
[72] CHO, KWANTAI, US
[72] FANG, WEIFENG, US
[72] ADAMS, CHANGQING WANG, US
[72] MCCALLUM, IAN, US
[72] NADA, JUN, US
[72] WILLIAMS, SHANTE P., US
[72] MANGUM, JACOB S., US
[71] CELGARD, LLC, US
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[54] **MTORC MODULATORS AND USES THEREOF**
[54] **MODULATEURS DE MTORC ET LEURS UTILISATIONS**
[72] TZANNIS, STELIOS T., US
[72] MASSEY, IAN J., US
[72] FROIDBISE, ALEXANDRE, US
[72] EPPE, GUILLAUME, US
[71] AEOVIAN PHARMACEUTICALS, INC., US
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[54] **SYSTEMS AND METHODS FOR REDUCING PRESSURE AT AN OUTFLOW OF A DUCT**
[54] **SYSTEMES ET PROCEDES POUR REDUCTION DE LA PRESSION AU NIVEAU D'UN ECOULEMENT SORTANT D'UN CONDUIT**
[72] NITZAN, YAACOV, IL
[72] YACOBY, MENASHE, IL
[72] FELD, TANHUM, IL
[71] WHITE SWELL MEDICAL LTD, IL
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[54] **C/EBP ALPHA SHORT ACTIVATING RNA COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS D'ARN A ACTIVATION COURTE DE C/EBP ALPHA ET METHODES D'UTILISATION**
[72] SAERTROM, PAL, NO
[71] MINA THERAPEUTICS LIMITED, GB
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[54] **AXMI477, AXMI482, AXMI486 AND AXMI525 TOXIN GENES AND METHODS FOR THEIR USE**
[54] **GENES DE TOXINES AXMI477, AXMI482, AXMI486 ET AXMI525 ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] LEHTINEN, DUANE ALAN, US
[72] SAMPSON, KIMBERLEY S., US
[72] ROBERTS, KIRA, US
[72] DUNN, ETHAN, US
[72] CHOUGULE, NANA, US
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
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[54] **CIRCULAR ECONOMY FOR PLASTIC WASTE TO POLYETHYLENE VIA REFINERY FCC OR FCC/ALKYLATION UNITS**
[54] **ECONOMIE CIRCULAIRE DES DECHETS PLASTIQUES EN POLYETHYLENE PAR L'INTERMEDIAIRE D'UNITES DE FCC OU D'ALKYLATION/FCC DE RAFFINERIE**
[72] TIMKEN, HYE-KYUNG, US
[72] MCCORD, CAMERON, US
[71] CHEVRON U.S.A. INC., US
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[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/02 (2006.01) C12Q 1/10 (2006.01) C12Q 1/14 (2006.01) C12Q 1/18 (2006.01) C12Q 1/20 (2006.01)**
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[54] **METABOLOMIC CHARACTERIZATION OF MICROORGANISMS**
[54] **CARACTERISATION METABOLOMIQUE DE MICROORGANISMES**
[72] LEWIS, IAN ANDREW, CA
[72] RYDZAK, THOMAS, CA
[71] LEWIS, IAN ANDREW, CA
[71] RYDZAK, THOMAS, CA
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[54] **EYEPIECES FOR AUGMENTED REALITY DISPLAY SYSTEM**
[54] **OCULAIRES POUR SYSTEME D'AFFICHAGE A REALITE AUGMENTEE**
[72] BHARGAVA, SAMARTH, US
[72] LIU, VICTOR KAI, US
[72] MESSER, KEVIN, US
[71] MAGIC LEAP, INC., US
[22] 2018-12-14
[41] 2019-06-20
[62] 3,084,011
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