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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 21, 2024 contains applications open to public inspection from May 5, 2024 to May 11, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 21 mai 2024 contient les demandes disponibles au public pour consultation pour la période du 5 mai 2024 au 11 mai 2024.

Canadian Patents Issued

May 21, 2024

Brevets canadiens délivrés

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[54] **DECOUVERTE DE LYMPHOCYTES T REGULATEURS PROGRAMMES POUR SUPPRIMER UNE REPONSE IMMUNITAIRE**
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[54] **VECTEURS ADENOVIRAUX ET PROCEDES D'UTILISATION**
[72] MCVEY, DUNCAN, US
[72] BROUGH, DOUGLAS E., US
[72] GALL, JASON G. D., US
[73] GENVEC, INC., US
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[54] **VECTEURS ADENOVIRAUX ET PROCEDES D'UTILISATION ASSOCIES**
[72] GALL, JASON G. D., US
[72] MCVEY, DUNCAN, US
[72] BROUGH, DOUGLAS E., US
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[54] **ANTICORPS ANTI-PHF-TAU ET LEURS UTILISATIONS**
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[72] LIU, XUESONG, US
[72] MURDOCK, MELISSA, US
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[72] MARTIN, FLORIAN, CH
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[54] **SYSTEMES, PROCEDES ET APPAREILS DE STOCKAGE ET DE FOURNITURE SECURISES D'INFORMATIONS DE PAIEMENT**
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[72] VAILLANCOURT, REMI, CA
[73] TEKNION LIMITED, CA
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[54] **VARIETE DE CANOLA PUR G1992650A**
[72] GINGERA, GREGORY ROSS, CA
[72] KNIEVEL, DONNA CAROLYNN, CA
[72] TAHIR, MUHAMMAD, CA
[72] ZHAO, JIANWEI, CA
[73] AGRIGENETICS, INC., US
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[54] **VARIETE DE RESTAURATION DE CANOLA PUR G175274R**
[72] GINGERA, GREGORY ROSS, CA
[72] KNIEVEL, DONNA CAROLYNN, CA
[73] AGRIGENETICS, INC., US
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[72] RIPLEY, VAN L., CA
[73] AGRIGENETICS, INC., US
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[54] **TRAITEMENT DE TRANSACTION DE REMPLISSAGE DE RESERVOIR FONDE SUR L'ENTREE D'UN IDENTIFIANT A LA POMPE**
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[54] **ANTICORPS ANTI-SIGLEC 8 ET LEURS METHODES D'UTILISATION**
[72] BEBBINGTON, CHRISTOPHER R., US
[72] FALAHATI, RUSTOM, US
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[54] **PROCEDE ET SYSTEME D'ANALYSE DU MICROBIOME**
[72] APTE, ZACHARY, US
[72] RICHMAN, JESSICA, US
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[54] **APPARATUS FOR USE WITH USER GARMENT AND PREY INSECT VULNERABLE TO PREDATOR INSECT**
[54] **APPAREIL DESTINE A UN VETEMENT D'UN UTILISATEUR ET INSECTE PROIE VULNERABLE A UN INSECTE PREDATEUR**
[72] DUNLOP, MICHAEL E., CA
[73] DUNLOP, MICHAEL E., CA
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[54] **METHODE DE DETECTION AUTOMATIQUE DE LA SIGNIFICATION ET DE MESURE DE L'UNIVOCITE D'UN TEXTE**
[72] ZORZIN, LUCIANO, DE
[73] SPEECH SENSZ GMBH, DE
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[54] **MITOCHONDRIAL NON-CODING RNAS FOR PREDICTING DISEASE PROGRESSION IN HEART FAILURE AND MYOCARDIAL INFARCTION PATIENTS**
[54] **ARN MITOCHONDRIAUX NON CODANTS PERMETTANT DE PREDIRE L'EVOLUTION DE LA MALADIE CHEZ DES PATIENTS ATTEINTS D'INSUFFISANCE CARDIAQUE ET D'INFARCTUS DU MYOCARDE**
[72] THUM, THOMAS, DE
[72] KUMARSWAMY, REGALLA, DE
[72] PINET, FLORENCE, FR
[72] DE GROOTE, PASCAL, FR
[72] BAUTERS, CHRISTOPHE, FR
[73] MEDIZINISCHE HOCHSCHULE HANNOVER, DE
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] INSTITUT PASTEUR DE LILLE (IPL), FR
[73] UNIVERSITE DE LILLE 2 (LILLE 2) - UNIVERSITY OF LAW AND HEALTH, FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE LILLE (CHU), FR
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[72] MOTZNO, DOUGLAS W., US
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[54] **FURTHER IMPROVED AAV VECTORS PRODUCED IN INSECT CELLS**
[54] **VECTEURS AAV ENCORE AMELIORES PRODUITS DANS DES CELLULES D'INSECTES**
[72] LUBELSKI, JACEK, NL
[72] BOSMA, SEBASTIAAN MENNO, NL
[72] PETRY, HARALD PETER ALBERT, NL
[72] HERMENS, WILHELMUS THEODORUS JOHANNES MARIA CHRISTIAAN, NL
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[54] **EVENEMENT TRANSGENIQUE DE MAIS MON 87419 ET METHODES D'UTILISATION DE CELUI-CI**
[72] GOLEY, MICHAEL E., US
[72] BURNS, WEN C., US
[72] HUANG, JINTAI, US
[72] MCCANN, MELINDA C., US
[72] SHAO, AIHUA, US
[72] SPARKS, OSCAR C., US
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[72] CLARK, ALASTAIR, GB
[72] GRANT, BRUCE, GB
[72] EASTON, MATTHEW, GB
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[72] VALVERDE, L. JAMES, JR., CA
[72] MILLER, HAROLD ROY, CA
[72] MILLER, JONATHAN DAVID, CA
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[54] **DEVICE FOR RECOVERING HYDRAULIC ENERGY IN AN IMPLEMENT AND A CORRESPONDING IMPLEMENT**
[54] **DISPOSITIF POUR RECUPERER L'ENERGIE HYDRAULIQUE DANS UN APPAREIL ET APPAREIL CORRESPONDANT**
[72] HELBLING, FRANK, DE
[72] LANDMANN, THOMAS, FR
[73] LIEBHERR-FRANCE SAS, FR
[86] (2945219)
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[54] **CMC THERMAL CLAMPS**
[54] **PINCES THERMIQUES EN COMPOSITE A MATRICE CERAMIQUE**
[72] TRACEY, BRADFORD ALAN, US
[72] LIPINSKI, THOMAS, US
[72] LACHAPELLE, DONALD GEORGE, US
[72] MURRISH, MICHAEL, US
[73] GENERAL ELECTRIC COMPANY, US
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[87] (2950720)
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[25] EN
[54] **METHOD AND SYSTEM FOR CLASSIFYING TRAFFIC FLOW**
[54] **PROCEDE ET SYSTEME POUR LE CLASSEMENT DE FLUIDITE DU TRAFIC**
[72] CORNTHWAITE, DON, CA
[72] RAJU, DANIEL, CA
[72] PEACOCK, TROY, CA
[72] COTE, BEN, CA
[73] TNICO TECHNOLOGY DIVISION LTD., CA
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[54] **SYSTEMES, TROUSSES ET PROCEDES DE SURVEILLANCE PHYSIOLOGIQUE MODULAIRE**
[72] TOTH, LANDY, US
[72] SCHWARTZ, ROBERT, US
[73] LIFELENS TECHNOLOGIES, LLC, US
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[54] **SINGLE PASS CONTINUOUS LUMBER DRYING KILN**
[54] **FOUR DE SECHAGE DE BOIS D'OEUVRE EN CONTINU A PASSAGE UNIQUE**
[72] KOLARI, GARY L., US
[73] AMERICAN WOOD DRYERS, LLC, US
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[54] **SYSTEM AND METHOD OF PROVIDING CUSTOM-FITTED AND STYLED EYEWEAR BASED ON USER-PROVIDED IMAGES AND PREFERENCES**
[54] **SYSTEME ET PROCEDE D'OBTENTION DE LUNETTES PERSONNALISEES ET ADAPTEES BASEES SUR DES IMAGES ET DES PREFERENCES FOURNIES PAR L'UTILISATEUR**
[72] BARTON, DAVID, US
[73] DAVID KIND, INC., US
[85] 2017-02-20
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[54] **TRAITEMENT COMBINE D'UNE INFECTION PAR LE VHB ET LE VHD**
[72] ALEXANDROV, ALEXANDER, DE
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[25] EN
[54] **SUBSTITUTED CARBOLINE DERIVATIVE AND COMPOSITIONS THEREOF USEFUL AS CAMKII INHIBITORS**
[54] **DERIVE DE CARBOLINE SUBSTITUEE ET COMPOSITIONS CONNEXES UTILES COMME INHIBITEURS DE CAMKII**
[72] LEVY, DANIEL E., US
[72] SCHULMAN, HOWARD, US
[72] PARASELLI, BHEEMA RAO, US
[72] KUMAR, NANGUNOORI SAMPATH, IN
[72] DABBUGODDU, BRAHMAIAH, IN
[72] BALASUBRAMANYAM, CHUNDRU, IN
[73] THE JOHNS HOPKINS UNIVERSITY, US
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[54] **APPARATUS FOR CARRYING OUT A NON-DESTRUCTIVE INSPECTION ON WOODEN BOARDS OR SIMILAR OBJECTS**
[54] **APPAREIL DE REALISATION D'UNE INSPECTION NON DESTRUCTIVE SUR DES PANNEAUX DE BOIS OU DES OBJETS SIMILAIRES**
[72] EISNER, EGON, AT
[72] ZAMBRA, HERBERT, AT
[72] TSCHURTSCHENTHALER, KONRAD, IT
[72] THALER, JOHANN, IT
[73] MICROTEC S.R.L, IT
[86] (2960341)
[87] (2960341)
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[54] **ESCABEAU DOTE D'UNE PROTECTION ANTIMICROBIENNE**
[72] GOLDBERG, MITCHELL K., CA
[73] BATRIK MEDICAL MANUFACTURING INC., CA
[86] (2960350)
[87] (2960350)
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[25] EN
[54] **ELECTRICAL SWITCH AND SLIDER ASSEMBLY THEREFOR**
[54] **ENSEMBLE D'INTERRUPTEUR ELECTRIQUE ET COULISSE ASSOCIEE**
[72] DHOTE, NAVNEET RAMKRUSHNAJI, IN
[72] SAWAI, NILESH KAMLAKAR, IN
[72] KUMAR, PRAMOD, US
[72] NEUNDORFER, OSCAR L., US
[73] EATON CORPORATION, US
[86] (2965021)
[87] (2965021)
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[54] **AUTOMATED BANKING MACHINE**
[54] **MACHINE BANCAIRE AUTOMATISEE**
[72] NELSON, DONALD, JR., US
[72] DE OLIVEIRA, SERGIO, US
[72] DAILEY, SCOTT, US
[72] KONECNY, ROBERT, US
[72] YI, DAHAE, US
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[85] 2017-04-27
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[25] EN
[54] **PORTABLE EXHIBIT DISPLAY WITH MAGNETIC ACCESSORY MOUNTS**
[54] **AFFICHEUR DE PRESENTATION PORTATIF DOTE DE DISPOSITIFS D'INSTALLATION D'ACCESSOIRES MAGNETIQUES**
[72] TAYLOR, KELLY, US
[72] DART, BRANDON, US
[72] COVINGTON, JOE, US
[72] TOOMEY, ERICH, US
[73] VOMELA SPECIALTY COMPANY, US
[86] (2966878)
[87] (2966878)
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[25] EN
[54] **SYSTEM AND METHOD FOR INTRA PREDICTION IN VIDEO CODING**
[54] **SYSTEME ET PROCEDE POUR PREDICTION INTRA DANS UN CODAGE VIDEO**
[72] BUDAGAVI, MADHUKAR, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-05-10
[86] 2015-09-22 (PCT/KR2015/009889)
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[54] **AMINO ACID DERIVATIVES AND THEIR USES**
[54] **DERIVES D'ACIDES AMINES ET LEURS UTILISATIONS**
[72] GAMBOGI, ROBERT J., US
[72] GEONNOTTI, ANTHONY R., III, US
[72] GIANO, MICHAEL C., US
[72] PETERSEN, LATRISHA, US
[73] JOHNSON & JOHNSON CONSUMER INC. (A DELAWARE CORPORATION), US
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[54] **SHIELDING INSTALLATION DEVICE IN LARGE TIRES AND SHIELDING INSTALLATION METHOD**
[54] **DISPOSITIF D'INSTALLATION DE PROTECTION DANS LES GRANDS PNEUS ET METHODE D'INSTALLATION DE PROTECTION**
[72] SA, FREDERICO QUINTAO, BR
[73] VALE S.A., BR
[86] (2968187)
[87] (2968187)
[22] 2017-05-25
[30] BR (102016013188-0) 2016-06-08

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[25] EN
[54] **VERNALIZATION INDEPENDENT LISIANTHUS PLANTS**
[54] **PLANTES LISIANTHUS NE NECESSITANT PAS DE VERNALISATION**
[72] AMRAD, AVICHAI, IL
[72] BANDEL, KFIR, IL
[72] PLEBAN, TZILI, IL
[72] ZAMIR, DANI, IL
[73] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2017-05-19
[86] 2015-11-24 (PCT/IL2015/051140)
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[30] US (62/083,912) 2014-11-25

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[51] **Int.Cl. C12Q 1/6848 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01) C07H 21/00 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **EXPONENTIAL BASE-GREATER-THAN-2 NUCLEIC ACID AMPLIFICATION**
[54] **AMPLIFICATION D'ACIDES NUCLEIQUES SUPERIEURE A 2 SUR UNE BASE EXPONENTIELLE**
[72] HIGUCHI, RUSSELL, US
[73] CEPHEID, US
[85] 2017-06-14
[86] 2015-12-15 (PCT/US2015/065890)
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[54] **URAT1 INHIBITOR**
[54] **INHIBITEUR D'URAT1**
[72] ENDO, TSUYOSHI, JP
[72] KOBAYASHI, KUNIO, JP
[72] TANAKA, HIROTO, JP
[72] SAITO, DAISUKE, JP
[72] HIRANO, MASUHARU, JP
[72] ENDOU, HITOSHI, JP
[72] ANZAI, NAOHIKO, JP
[73] NIPPON CHEMIPHAR CO., LTD., JP
[73] J-PHARMA CO., LTD., JP
[73] DETHREE RES. LAB. INC., JP
[85] 2017-06-15
[86] 2015-12-28 (PCT/JP2015/086482)
[87] (WO2016/108282)
[30] JP (2014-267009) 2014-12-29
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[72] TAL, MICHAEL GABRIEL, IL
[72] MILLER, ERAN, IL
[73] ACCURATE MEDICAL THERAPEUTICS LTD., IL
[85] 2017-07-07
[86] 2016-01-08 (PCT/IB2016/050087)
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[30] US (62/101,637) 2015-01-09
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[25] EN
[54] **METHOD FOR MAKING CONTOURED ACOUSTIC STRUCTURES**
[54] **METHODE DE FABRICATION DE STRUCTURES ACOUSTIQUES PROFILEES**
[72] SELDAL, MATTHEW, US
[73] HEXCEL CORPORATION, US
[86] (2973910)
[87] (2973910)
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[51] **Int.Cl. C07D 239/02 (2006.01)**
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[54] **ISOTOPOLOGUES OF 2-(TERT-BUTYLAMINO)-4-((1R,3R,4R)-3-HYDROXY-4-METHYLCYCLOHEXYLAMINO)-PYRIMIDINE-5-CARBOXAMIDE**
[54] **ISOTOPOLOGUES DE 2-(TERT-BUTYLAMINO)-4-((1R,3R,4R) -3-HYDROXY-4-METHYLCYCLOHEXYLAMINO)-PYRIMIDINE-5-CARBOXAMIDE**
[72] MAN, HON-WAH, US
[72] KOTHARE, MOHIT ATUL, US
[73] SIGNAL PHARMACEUTICALS LLC, US
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[54] **SYSTEM AND METHOD FOR DEVELOPING INDIVIDUAL AND TEAM WASHROOM COMPLIANCE PRACTICES**
[54] **SYSTEME ET PROCEDE POUR DEVELOPPER DES PRATIQUES D'UTILISATION D'UN CABINET DE TOILETTES POUR DES PERSONNES ET DES EQUIPES**
[72] BECKER, STEPHEN, US
[72] KIRKLAND, JASON, US
[72] SCHULZ, THOMAS H., US
[72] TRAMONTINA, PAUL F., US
[72] DUNBAR, CHARLENE, US
[72] MOEDE, WARREN, US
[72] SHEEHAN, CHRISSY, US
[72] SHIPP, PETER W, JR., US
[72] ZIELINSKI, MATTHEW T., US
[73] KIMBERLY-CLARK WORLDWIDE, INC., US
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[25] EN
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[54] **COLLIER DE COMPRESSION A DILATATION A FROID EXTRUDE**
[72] RUNYAN, GARY L., US
[73] ZURN INDUSTRIES, LLC, US
[86] (2977610)
[87] (2977610)
[22] 2017-08-29
[30] US (62/382,910) 2016-09-02
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[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYZING GLUCOSE DATA MEASURED FROM A PERSON HAVING DIABETES**
[54] **PROCEDES ET SYSTEMES D'ANALYSE DE DONNEES GLYCEMIQUES MESUREES SUR UNE PERSONNE DIABETIQUE**
[72] DIEBOLD, ERICA ROSE, US
[72] GREENBURG, ALAN, US
[72] DUKE, DAVID L., US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-09-14
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[54] **APPAREIL DE RECYCLAGE**
[72] ARSOVIC, MILORAD, CA
[73] ARSOVIC, MILORAD, CA
[85] 2017-10-02
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[51] **Int.Cl. G06T 7/194 (2017.01) G06T 7/174 (2017.01) G08B 13/196 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING AN OBJECT IN AN IMAGE**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'UN OBJET DANS UNE IMAGE**
[72] BOON, CATHY L., US
[72] LI, ZHENG, US
[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2017-10-10
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[30] US (14/683,113) 2015-04-09

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[51] **Int.Cl. C09J 7/40 (2018.01) C09J 7/30 (2018.01) F16L 59/02 (2006.01) F16L 59/14 (2006.01)**
[25] EN
[54] **TAPES FOR INSULATION JACKETING**
[54] **RUBANS POUR GAINAGE ISOLANT**
[72] SHUEY, DAVID J., US
[73] AVERY DENNISON CORPORATION, US
[85] 2017-10-11
[86] 2016-05-12 (PCT/IB2016/052744)
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[51] **Int.Cl. H01L 21/00 (2006.01) H03F 1/00 (2006.01) H03F 1/30 (2006.01) H03F 3/195 (2006.01) H03M 1/10 (2006.01) H03M 1/12 (2006.01)**
[25] EN
[54] **DRIFT COMPENSATION**
[54] **COMPENSATION DE DERIVE**
[72] ENG, FRIDA, SE
[72] GUSTAVSSON, MIKAEL, SE
[72] LOWENBORG, PER, SE
[72] OLSSON, MARTIN, SE
[73] TELEDYNE SIGNAL PROCESSING DEVICES SWEDEN AB, SE
[85] 2017-10-19
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[25] EN
[54] **DEVICES FOR THERAPEUTIC NASAL NEUROMODULATION AND ASSOCIATED METHODS AND SYSTEMS**
[54] **DISPOSITIFS POUR LA NEUROMODULATION NASALE THERAPEUTIQUE ET PROCEDES ET SYSTEMES ASSOCIES**
[72] QI ZHAN, MICHELE, US
[72] TOWNLEY, DAVID, IE
[72] SHIELDS, BRIAN, IE
[72] KEOGH, IVAN, IE
[72] FARREL, CONOR, IE
[73] NATIONAL UNIVERSITY OF IRELAND GALWAY, IE
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[54] **ENSEMBLES CATHETERS URINAIRES TELESCOPIQUES**
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[73] HOLLISTER INCORPORATED, US
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[54] **CCR2 MODULATORS**
[54] **MODULATEURS DU CCR2**
[72] FAN, JUNFA, US
[72] KALISIAK, JAROSLAW, US
[72] LUI, REBECCA M., US
[72] MALI, VENKAT REDDY, US
[72] MCMAHON, JEFFREY P., US
[72] POWERS, JAY P., US
[72] TANAKA, HIROKO, US
[72] ZENG, YIBIN, US
[72] ZHANG, PENGLIE, US
[73] CHEMOCENTRYX, INC., US
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[25] EN
[54] **COMPOSITION FOR TREATING NEURODEGENERATIVE DISEASES COMPRISING HUPERZINE**
[54] **COMPOSITION COMPRENANT DE L'HUPERZINE POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] CALLIZOT, NOELLE, FR
[73] NEURALIA, FR
[85] 2017-12-06
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[25] EN
[54] **INTEGRATED DEVICE PACKAGE COMPRISING BRIDGE IN LITHO-ETCHABLE LAYER**
[54] **BOITIER DE DISPOSITIF INTEGRE COMPORTANT UN PONT DANS UNE COUCHE POUVANT ETRE GRAVEE PAR LITHOGRAPHIE**
[72] GU, SHIQUN, US
[72] WE, HONG BOK, US
[72] LEE, JAE SIK, US
[72] KIM, DONG WOOK, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-01-09
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[25] EN
[54] **USE OF MAP PRODUCT TO TREAT AND PREVENT MELANIN-RELATED DISEASES**
[54] **APPLICATION DE LA PROTEINE DE MOULE A ACTION ADHESIVE POUR LE TRAITEMENT ET LA PREVENTION DE MALADIES ASSOCIEES A LA MELANINE**
[72] GAO, MIN, CN
[72] JANSON, JAN CHRISTER, SE
[73] JIANGYIN BENGT I. SAMUELSSON INSTITUTE OF LIFE SCIENCE CO., LTD., CN
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[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRANSACTION EN LIGNE**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-01-19
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[54] **HOLE FORMER WITH GASKET LOCATING FEATURES FOR CAST MANHOLE STRUCTURES**
[54] **DISPOSITIF FORMANT DES TROUS AVEC ELEMENTS DE POSITIONNEMENT DE JOINTS D'ETANCHEITE POUR STRUCTURES DE TROU D'HOMME MOULEES**
[72] GAMBLE, JIMMY D., US
[72] KRUECKEBERG, DAVID ALLEN, US
[73] PRESS-SEAL CORPORATION, US
[86] (2995180)
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[54] **LOCKING DEVICE FOR WASTE CONTAINER**
[54] **DISPOSITIF DE VERROUILLAGE POUR RECIPIENT POUR ORDURES**
[72] REEB, DAVID L., US
[72] MARTIN, JAMES L., II, US
[73] SERIO-US INDUSTRIES, INC., US
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[54] **MACHINE AND METHOD FOR ACOUSTIC WHITE NOISE GENERATION**
[54] **MACHINE ET PROCEDE POUR PRODUCTION DE BRUIT BLANC ACOUSTIQUE**
[72] LAZAR, ELI, US
[72] SNYDER, MATTHEW, US
[73] SNOOZ, LLC, US
[85] 2018-02-20
[86] 2016-08-25 (PCT/US2016/048761)
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[54] **MORNING SICKNESS VALVE SYSTEM FOR VISCOUS CLUTCH**
[54] **SYSTEME DE SOUPAPE DE GRIPPAGE MATINAL POUR EMBRAYAGE VISQUEUX**
[72] STEVENS, MICHAEL, US
[72] PRESTON, JAMES R., US
[73] HORTON, INC., US
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[25] EN
[54] **COMPOSITIONS COMPRISING UROLITHIN COMPOUNDS**
[54] **COMPOSITIONS COMPRENANT DES COMPOSES D'UROLITHINE**
[72] ANDREUX, PENELOPE, CH
[72] RINSCH, CHRISTOPHER, CH
[72] BLANCO-BOSE, WILLIAM, CH
[73] AMAZENTIS SA, CH
[85] 2018-02-27
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[54] **QUINOXALINE, QUINOLINE AND QUINAZOLINONE DERIVATIVE COMPOUNDS FOR THE TREATMENT OF CANCER**
[54] **COMPOSES DERIVES DE LA QUINOXALINE, DE LA QUINOLEINE ET DE LA QUINAZOLIN ONE POUR LE TRAITEMENT DU CANCER**
[72] ANGIBAUD, PATRICK RENE, FR
[72] BROGGINI, DIEGO FERNANDO DOMENICO, CH
[72] COLOMBEL, HELENE FRANCE SOLANGE, FR
[72] CUYCKENS, FILIP ALBERT C, BE
[72] HOSTYN, STEVEN ANNA, BE
[72] JONES, RUSSELL MARK, CH
[72] QUEROLLE, OLIVIER ALEXIS GEORGES, FR
[72] VERMEULEN, WIM, BE
[73] JANSSEN PHARMACEUTICA NV, BE
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[54] **INFANT FLOAT**
[54] **FLOTTEUR POUR BEBE**
[72] ARIAS, DAVID A., US
[72] CLEMENS, TIMOTHY JAMES, US
[72] BANNON, THERESA M., US
[72] RONEY, LAUREL A., US
[72] CROWE, DAVID J., US
[73] SPIN MASTER, INC., US
[86] (2997714)
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[54] **CD3 BINDING POLYPEPTIDES**
[54] **POLYPEPTIDES DE LIAISON A CD3**
[72] TAN, PHILIP, US
[72] BLANKENSHIP, JOHN W., US
[73] APTEVO RESEARCH AND DEVELOPMENT LLC, US
[85] 2018-03-19
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[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING**
[54] **DISTRIBUTION DE BOISSON**
[72] WING, MICHAEL, US
[72] DE BOECK, YVAN, US
[72] GRUNDY, SEAN, US
[72] BECTON, ELIZABETH, US
[72] LEE, FRANK, US
[73] HYDRATION LABS, INC., US
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[54] **CURING DEVICE COMPRISING A LAMP THAT PRODUCES UV LIGHT**
[54] **DISPOSITIF DE DURCISSEMENT EQUIPE D'UNE LAMPE PRODUISANT DE LA LUMIERE UV**
[72] SCHROPP, KLAUS, DE
[72] VOGT, JOERG, DE
[72] REUTEMANN, THOMAS, DE
[73] TRELLEBORG SEALING PROFILES GERMANY GMBH, DE
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[54] **BIOLOGICAL CONTROL OF PLANT VIRUSES**
[54] **LUTTE BIOLOGIQUE CONTRE DES VIRUS DE PLANTES**
[72] VERMUNT, ADRIANUS MARINUS WILHELMUS, NL
[73] LOOIJE APPLICATIONS B.V., NL
[85] 2018-04-04
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[25] EN
[54] **MODULATORS OF SESTRIN-GATOR2 INTERACTION AND USES THEREOF**
[54] **MODULATEURS D'INTERACTION SESTRINE-GATOR2 ET LEURS UTILISATIONS**
[72] FETALVERO, KRISTINA MICHELLE, US
[72] NARAYAN, SRIDHAR, US
[72] O'NEILL, DAVID JOHN, US
[72] SAIAH, EDDINE, US
[72] SENGUPTA, SHOMIT, US
[73] NAVITOR PHARMACEUTICALS, INC., US
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[54] **POWER CONVERTER**
[54] **CONVERTISSEUR DE COURANT**
[72] YAMAGAMI, SHIGEHARU, JP
[72] NGO, KHAI DOAN THE, US
[73] NISSAN MOTOR CO., LTD., JP
[73] VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., US
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[54] **MOBILE CART FOR SPRAY DISPENSING**
[54] **CHARIOT MOBILE SERVANT A DISTRIBUER UNE PULVERISATION**
[72] MOORE, RICHARD I., US
[73] MOORE, RICHARD I., US
[86] (3002466)
[87] (3002466)
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[54] **OVERHEAD DISPLAY SCREEN**
[54] **ECRAN D'AFFICHAGE SUSPENDU**
[72] MOYER, ERIC P., US
[72] CARSWELL, SAMUEL A., US
[72] SIMONE, BRIAN ANDREW, US
[73] SAFRAN PASSENGER INNOVATIONS, LLC, US
[85] 2018-05-02
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[87] (WO2017/079543)
[30] US (62/252,340) 2015-11-06
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[25] EN
[54] **SPRAYABLE POLYURETHANE/UREA ELASTOMER FOR AGRICULTURE**
[54] **ELASTOMERE DE POLYURETHANE/UREE PULVERISABLE POUR L'AGRICULTURE**
[72] ADHIKARI, RAJU, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **SYSTEME INDICATEUR DE TEMPS-TEMPERATURE IMPRIMABLE**
[72] ANDERSEN, PEDER OSCAR, NO
[72] GUDJONSSON, EGGERT FREYR, NO
[72] ROHR, ASMUND K., NO
[72] AASLAND, CHRISTIAN SALBU, NO
[72] KOVALCHUK, KARINA, NO
[72] BROWN, DAVID, NO
[73] KEEP-IT TECHNOLOGIES AS, NO
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[54] **CONVEYOR BELT AND MODULE WITH SKEWED AIR-FLOW PASSAGES**
[54] **COURROIE TRANSPORTEUSE ET MODULE A PASSAGES D'ECOULEMENT D'AIR OBLIQUES**
[72] GUNDLACH, JAMES O., US
[73] LAITRAM, L.L.C., US
[85] 2018-06-18
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[54] **DEVELOPING CARTRIDGE**
[54] **CARTOUCHE DE DEVELOPPEMENT**
[72] ITABASHI, NAO, JP
[72] YOKOI, JUNICHI, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2018-06-22
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[25] EN
[54] **HYDROPHYLIC SEMICONDUCTING SINGLE-WALLED CARBON NANOTUBE INKS**
[54] **ENCRES HYDROPHILES DE NANOTUBES DE CARBONE A PAROI SIMPLE SEMI-CONDUCTEURS**
[72] DING, JIANFU, CA
[72] LI, ZHAO, CA
[72] MALENFANT, PATRICK, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[86] 2016-04-19 (PCT/CA2016/050448)
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[25] EN
[54] **CROP CONVERGENCE SYSTEM FOR ROTARY MOWER**
[54] **SYSTEME DE CONVERGENCE DES RECOLTES POUR LA FAUCHEUSE ROTATIVE**
[72] BARNETT, NEIL, US
[72] KOLEGAEV, KONSTANTIN, CA
[72] STEPHENS, MATTHEW J., CA
[73] MACDON INDUSTRIES LTD., CA
[86] (3010953)
[87] (3010953)
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[25] EN
[54] **PROCESS FOR PRODUCING A CREAMER**
[54] **PROCEDE DE PRODUCTION D'UN COLORANT A CAFE**
[72] FRIES, LENNART, CH
[72] REH, CHRISTOPH, CH
[72] WAKSMAN, LUCILE, CH
[72] PIPE, CHRISTOPHER JAMES, CH
[72] LESER, MARTIN, CH
[72] LORET, CHRYSTEL, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[30] EP (16154279.0) 2016-02-04
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[25] EN
[54] **METHOD OF UNWRAPPING A PALLETISED LOAD AND DEVICE FOR CARRYING OUT SAID METHOD**
[54] **PROCEDE DE DEBALLAGE D'UNE CHARGE SUR PALETTE ET DISPOSITIF PERMETTANT DE METTRE EN OEUVRE LEDIT PROCEDE**
[72] GIBERT GUASCH, PERE, ES
[72] FONTCUBERTA MAS, MARCEL, ES
[72] CHAVARRI CABEZAS, RAUL, ES
[72] RABADA BAIGES, JORDI, ES
[73] FREIXENET, S.A., ES
[85] 2018-07-18
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[25] EN
[54] **HUMANIZED ANTI-CD3 ANTIBODIES, CONJUGATES AND USES THEREOF**
[54] **ANTICORPS HUMANISES ANTI-CD3, CONJUGUES ET LEURS UTILISATIONS**
[72] KIM, CHANHYUK, KR
[72] YOUNG, TRAVIS, US
[72] KIM, MINSOO, US
[72] MA, JENNIFER, US
[72] PRESTA, LEONARD, US
[72] SCHULTZ, PETER G., US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2018-08-01
[86] 2017-02-03 (PCT/US2017/016407)
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[30] US (62/291,143) 2016-02-04

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[25] EN
[54] **POSITIVE PRESSURE AMPLIFIED GAS-AIR VALVE FOR A LOW NOX PREMIX COMBUSTION SYSTEM**
[54] **SOUPAPE AIR-GAZ AMPLIFIEE PAR PRESSION POSITIVE DESTINEE A UN SYSTEME DE COMBUSTION A PREMELANGE A FAIBLE TENEUR EN NOX**
[72] KOWALD, GLENN W., US
[73] LENNOX INDUSTRIES INC., US
[86] (3014804)
[87] (3014804)
[22] 2018-08-21
[30] US (15/690,509) 2017-08-30

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[13] C
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[25] EN
[54] **ACQUIRING AND TRACKING A SATELLITE SIGNAL WITH A MOBILE ANTENNA**
[54] **ACQUISITION ET SUIVI DE SIGNAL SATELLITE PAR ANTENNE MOBILE**
[72] JOHNSON, MIKALA, US
[72] MASON, TIMOTHY, US
[72] ROTHAAR, BRUCE, US
[72] CZERNER, TODD, US
[73] KYMETA CORPORATION, US
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[86] 2017-03-01 (PCT/US2017/020232)
[87] (WO2017/151790)
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[54] **METHODS, DEVICES AND SYSTEMS FOR PROCESSING OF CARBONACEOUS COMPOSITIONS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE TRAITEMENT DE COMPOSITIONS CARBONEES**
[72] LAINE, SCOTT, US
[73] NANOTECH ENERGY, INC., US
[85] 2018-08-16
[86] 2017-02-24 (PCT/US2017/019423)
[87] (WO2017/147468)
[30] US (62/300,550) 2016-02-26
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[30] US (62/302,689) 2016-03-02
[30] US (62/324,796) 2016-04-19

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[54] **CURRENT DRAIN REDUCTION IN AR/VR DISPLAY SYSTEMS**
[54] **REDUCTION DE COURANT ABSORBE DANS LES SYSTEMES D'AFFICHAGE AR/VR**
[72] MOR, TAL, US
[73] MAGIC LEAP, INC., US
[85] 2018-08-28
[86] 2017-03-02 (PCT/US2017/020522)
[87] (WO2017/151974)
[30] US (62/304,098) 2016-03-04

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[51] **Int.Cl. A61M 3/02 (2006.01)**
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[54] **FECAL COLLECTION DEVICE, SYSTEM AND METHOD**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE COLLECTE DE MATIERES FECALES**
[72] HENRY, JEROME A., IE
[72] CULLUM, MALFORD E., US
[73] HOLLISTER INCORPORATED, US
[85] 2018-09-05
[86] 2017-04-07 (PCT/US2017/026523)
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[30] US (62/320,002) 2016-04-08

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[51] **Int.Cl. H04B 7/0417 (2017.01) H04B 7/06 (2006.01)**
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[54] **SYSTEM AND METHOD FOR BEAM MANAGEMENT**
[54] **SYSTEME ET PROCEDE POUR UNE GESTION DE FAISCEAU**
[72] LUO, TAO, US
[72] CEZANNE, JUERGEN, US
[72] SUBRAMANIAN, SUNDAR, US
[72] SAMPATH, ASHWIN, US
[72] SADIQ, BILAL, US
[72] LI, JUNYI, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[73] QUALCOMM INCORPORATED, US
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[30] US (62/329,180) 2016-04-28
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[54] **APPARATUS FOR METERING A SUBSTANCE**
[54] **DISPOSITIF SERVANT AU DOSAGE D'UNE SUBSTANCE**
[72] GUELLER, ROLF, CH
[72] CHAPPUIS, PASCAL, CH
[72] SCHINDLER, MARKUS, CH
[73] CHEMSPEED TECHNOLOGIES AG, CH
[85] 2018-09-06
[86] 2017-03-02 (PCT/CH2017/000020)
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[25] EN
[54] **RUBBER COMPOSITION COMPRISING A SPECIFIC HYDROCARBON-BASED RESIN**
[54] **COMPOSITION DE CAOUTCHOUC COMPRENANT UNE RESINE HYDROCARBONEE SPECIFIQUE**
[72] DE GAUDEMARIS, BENOIT, FR
[72] HUT, ALAIN, FR
[73] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-09-11
[86] 2017-03-30 (PCT/FR2017/050732)
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[25] EN
[54] **METHOD FOR MANUFACTURING A CELLULOSE PRODUCT BY A PRESSURE MOULDING APPARATUS, PRESSURE MOULDING APPARATUS AND CELLULOSE PRODUCT**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT EN CELLULOSE PAR UN APPAREIL DE MOULAGE SOUS PRESSION, APPAREIL DE MOULAGE SOUS PRESSION ET PRODUIT EN CELLULOSE**
[72] LARSSON, OVE, SE
[72] LARSSON, LINUS, SE
[73] PULPAC AB, SE
[85] 2018-09-13
[86] 2017-03-16 (PCT/SE2017/050254)
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[54] **UNMANNED MARINE VESSEL FOR SEISMIC SOURCES**
[54] **NAVIRE MARIN SANS EQUIPAGE POUR SOURCES SISMIQUES**
[72] DUDLEY, TIMOTHY A., US
[72] SCHNEIDER, CURT, US
[73] TGS-NOPEC GEOPHYSICAL COMPANY, US
[85] 2018-09-14
[86] 2017-04-07 (PCT/US2017/026611)
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[25] EN
[54] **WATER-ABSORBING MATERIAL AND USES THEREOF**
[54] **MATERIAU ABSORBANT L'EAU ET SES UTILISATIONS**
[72] JOLLEZ, PAUL, CA
[72] BOLDUC, ISABELLE, CA
[72] CHEVIGNY, STEPHANE, CA
[72] SIGOUIN, OLIVIER, CA
[73] 7905122 CANADA INC., CA
[85] 2018-09-28
[86] 2016-09-01 (PCT/CA2016/051037)
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[25] EN
[54] **USE OF AN ACETYLCHOLINESTERASE INHIBITOR AND IDALOPIRDINE FOR REDUCING FALLS IN PARKINSON'S DISEASE PATIENTS**
[54] **UTILISATION D'UN INHIBITEUR DE L'ACETYLCHOLINESTERASE ET D'IDATIDINE POUR REDUIRE LES CHUTES CHEZ LES PATIENTS ATTEINTS DE LA MALADIE DE PARKINSON**
[72] DE JONG, INGE E M, DK
[72] KUCINSKI, AARON, US
[72] SARTER, MARTIN, US
[73] H. LUNDBECK A/S, DK
[85] 2018-10-10
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[54] **PYRAZOLOPYRIMIDINE DERIVATIVES**
[54] **DERIVES DE PYRAZOLOPYRIMIDINE**
[72] KOHLER, ADELINE, DE
[72] WELZ, CLAUDIA, DE
[72] BORNGEN, KIRSTEN, DE
[72] KULKE, DANIEL, DE
[72] ILG, THOMAS, DE
[72] KOBBERLING, JOHANNES, DE
[72] HUBSCH, WALTER, DE
[72] SCHWARZ, HANS-GEORG, DE
[72] GORGENS, ULRICH, DE
[72] EBBINGHAUS-KINTSCHER, ULRICH, DE
[72] HINK, MAIKE, DE
[72] NENNSTIEL, DIRK, DE
[72] RAMING, KLAUS, DE
[72] ADAMCZEWSKI, MARTIN, DE
[72] BOHM, CLAUDIA, DE
[72] GRIEBENOW, NILS, DE
[72] ZHUANG, WEI, DE
[73] BAYER ANIMAL HEALTH GMBH, DE
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[25] EN
[54] **ALUMINUM CONDUCTORS**
[54] **CONDUCTEURS EN ALUMINIUM**
[72] HERMANS, PETER, BE
[73] LAMIFIL N.V., BE
[85] 2018-10-15
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[87] (WO2017/182943)
[30] BE (2016/5266) 2016-04-18

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[25] EN
[54] **USING HARDWARE BASED SECURE ISOLATED REGION TO PREVENT PIRACY AND CHEATING ON ELECTRONIC DEVICES**
[54] **UTILISATION D'UNE ZONE ISOLEE SECURISEE MATERIELLE POUR EMPECHER LE PIRATAGE ET LA FRAUDE SUR DES DISPOSITIFS ELECTRONIQUES**
[72] CHEN, LING TONY, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2018-10-16
[86] 2017-05-18 (PCT/US2017/033198)
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[54] **METHOD AND DEVICE FOR PHYSICOCHEMICAL CHARACTERIZATION OF MATERIALS**
[54] **PROCEDE ET DISPOSITIF DE CARACTERISATION PHYSICO-CHIMIQUE DE MATERIAUX**
[72] SVANBACK, SAMI, FI
[72] YLIRUUSI, JOUKO, FI
[72] EHLERS, HENRIK, FI
[72] ANTIKAINEN, OSMO, FI
[72] RAIKKONEN, HEIKKI, FI
[73] THE SOLUBILITY COMPANY OY, FI
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[86] 2017-04-28 (PCT/FI2017/050328)
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[25] EN
[54] **INDUSTRIAL WOVEN FABRIC, IN PARTICULAR CONVEYOR BELT**
[54] **TISSU INDUSTRIEL, NOTAMMENT BANDE TRANSPORTEUSE**
[72] MONNERIE, JEAN-LOUIS, FR
[72] KUCKART, DIETER, BE
[73] ASTENJOHNSON PGMBH, BE
[85] 2018-10-24
[86] 2017-04-13 (PCT/EP2017/058947)
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[51] **Int.Cl. G06Q 10/107 (2023.01) G06F 3/0481 (2022.01) H04L 51/08 (2022.01) H04L 67/52 (2022.01) G09B 29/10 (2006.01)**
[25] EN
[54] **LOCATION INTEGRATION INTO ELECTRONIC MAIL SYSTEM**
[54] **INTEGRATION DE LOCALISATION DANS UN SYSTEME DE COURRIER ELECTRONIQUE**
[72] ZHONG, LIN, US
[72] SONI, SHAHIL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2018-11-05
[86] 2017-05-24 (PCT/US2017/034103)
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[30] US (15/173,959) 2016-06-06

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[51] **Int.Cl. F25B 49/02 (2006.01) F25B 39/02 (2006.01)**
[25] EN
[54] **COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**
[72] GOEL, RAKESH, US
[72] GILES, ERIC, US
[72] RAJAN, SIDDARTH, US
[73] LENNOX INDUSTRIES INC., US
[86] (3023571)
[87] (3023571)
[22] 2018-11-08
[30] US (15/825,197) 2017-11-29

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[51] **Int.Cl. C09D 4/00 (2006.01)**
[25] EN
[54] **METHOD AND FORMULATION FOR IMPREGNATION OF POROUS MATERIALS**
[54] **PROCEDE ET FORMULATION POUR L'IMPREGNATION DE MATERIAUX POREUX**
[72] CIAMPINI, DAVIDE, IT
[73] SICPA HOLDING SA, CH
[85] 2018-10-26
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[87] (WO2017/198819)
[30] EP (16170329.3) 2016-05-19

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[51] **Int.Cl. C07C 67/54 (2006.01) C07C 69/54 (2006.01)**
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[54] **PROCESS FOR RECOVERING BYPRODUCTS FROM MMA**
[54] **PROCEDE DE RECUPERATION DE SOUS-PRODUITS A PARTIR DE MMA**
[72] WORLEY, WILLIAM G., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-11-22
[86] 2017-05-15 (PCT/US2017/032587)
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[25] EN
[54] **BATTERY CATHODE, COMPOSITION FOR BATTERY CATHODE CATALYTIC LAYER, AND BATTERY**
[54] **CATHODE DE BATTERIE, COMPOSITION POUR COUCHE CATALYTIQUE DE CATHODE DE BATTERIE, ET BATTERIE**
[72] KISHIMOTO, TAKEAKI, JP
[72] BANHAM, DUSTIN WILLIAM H., CA
[72] YE, SIYU, CA
[72] LING PEI, KATIE, CA
[72] BAI, KYOUNG, CA
[73] NISSHINBO HOLDINGS INC., JP
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[30] JP (2016-106505) 2016-05-27

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[51] **Int.Cl. C07D 403/10 (2006.01) A61K 31/40 (2006.01) A61K 31/4025 (2006.01)**
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[54] **DIPROVOCIMS: A NEW AND POTENT CLASS OF TLR AGONISTS**
[54] **DIPROVOCIMS: UNE NOUVELLE CLASSE PUISSANTE D'AGONISTES TLR**
[72] BEUTLER, BRUCE, US
[72] BOGER, DALE L., US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **CROP HARVESTING REEL WITH AN END SHIELD PLATE AND FINGERS FOR GUIDING CROP**
[54] **RABATTEUR DE MOISSONNEUSE AVEC FLASQUE ET PEIGNES POUR GUIDER LA RECOLTE**
[72] REMILLARD, RHEAL, CA
[73] MACDON INDUSTRIES LTD., CA
[86] (3026664)
[87] (3026664)
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[51] **Int.Cl. B64D 37/34 (2006.01) F02C 7/224 (2006.01) H01L 23/367 (2006.01)**
[25] FR
[54] **INTEGRATION OF A PHASE-CHANGE MATERIAL FOR LIMITING THE TEMPERATURE OF FUEL FROM AN ELECTRONIC MODULE**
[54] **INTEGRATION D'UN MATERIAU A CHANGEMENT DE PHASE POUR LIMITER LA TEMPERATURE DU CARBURANT A PARTIR D'UN MODULE ELECTRONIQUE**
[72] KLONOWSKI, THOMAS, FR
[72] SERGHINE, CAMEL, FR
[73] SAFRAN HELICOPTER ENGINES, FR
[85] 2018-12-07
[86] 2017-06-12 (PCT/FR2017/051506)
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[51] **Int.Cl. G07D 7/00 (2016.01) G07D 7/1205 (2016.01) G07D 7/12 (2016.01)**
[25] EN
[54] **METHOD FOR AUTHENTICATING A SECURITY MARKING UTILIZING LONG AFTERGLOW EMISSION, AND SECURITY MARKING COMPRISING ONE OR MORE AFTERGLOW COMPOUND**
[54] **PROCEDE D'AUTHENTIFICATION D'UN MARQUAGE DE SECURITE UTILISANT UNE EMISSION A LONGUE LUMINESCENCE RESIDUELLE, ET MARQUAGE DE SECURITE COMPRENANT UN OU PLUSIEURS COMPOSES A LUMINES CENCE RESIDUELLE**
[72] MILOS-SCHOUWINK, MIA, CH
[72] DECOUX, ERIC, CH
[73] SICPA HOLDING SA, CH
[85] 2018-12-12
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[25] EN
[54] **EDGING MEMBER, SYSTEM, AND ARRANGEMENT**
[54] **ELEMENT DE BORDURE, SYSTEME ET ARRANGEMENT**
[72] BAHLER, PHILIP J., US
[73] TOOLBRO INNOVATORS, LLC, US
[86] (3027664)
[87] (3027664)
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[30] US (15/965,133) 2018-04-27
[30] US (62/763,598) 2018-06-22

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[54] **INFORMATION IN A SERVICE FRAGMENT**
[54] **INFORMATION DANS UN FRAGMENT DE SERVICE**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2018-12-18
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[25] EN
[54] **AUTO-ADDRESSING FOR A MULTI-DEVICE REFRIGERATION SYSTEM**
[54] **AUTO-ADRESSAGE DESTINE A UN SYSTEME DE REFRIGERATION MULTI-DISPOSITIF**
[72] DUTT, RICHARD, US
[72] TRACY, CHRISTOPHER S., US
[73] LENNOX INDUSTRIES INC., US
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[25] FR
[54] **COMPOSITE SHEET MADE FROM FABRIC AND POLYETHERIMIDE WITH CONTROLLED POROSITY**
[54] **FEUILLE COMPOSITE A BASE DE TISSU ET DE POLYETHERIMIDE A POROSITE CONTROLEE**
[72] FOREST, ERIC, FR
[73] PORCHER INDUSTRIES, FR
[85] 2019-01-02
[86] 2017-07-05 (PCT/EP2017/066811)
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[25] EN
[54] **USE OF COMPOSITIONS COMPRISING PELARGONIC ACID AND SPECIFIC NON IONIC SURFACTANTS FOR INHIBITING THE GROWTH OF SUCKERS ON PLANTS**
[54] **UTILISATION DE COMPOSITIONS COMPRENANT DE L'ACIDE PELARGONIQUE ET DE TENSIOACTIFS NON IONIQUES SPECIFIQUES DESTINES A INHIBER LA CROISSANCE DE DRAGEONS SUR LES PLANTES**
[72] VAN POTTELBERGE, STEVEN, BE
[72] DESNOUCK, JOHAN, BE
[72] NGUYEN, CAROLINE, BE
[73] BELCHIM CROP PROTECTION NV, BE
[85] 2019-02-07
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[25] EN
[54] **HARBOUR PLANT AND METHOD FOR MOORING A FLOATING BODY IN A HARBOUR PLANT**
[54] **INSTALLATION PORTUAIRE ET PROCEDE D'AMARRAGE D'UN CORPS FLOTTANT DANS UNE INSTALLATION PORTUAIRE**
[72] GU, WEIGUANG, SG
[72] WALLENTINSEN, AGE, NO
[72] RAU ANDERSEN, STIG, NO
[73] GRAVIFLOAT AS, NO
[85] 2019-02-11
[86] 2017-10-25 (PCT/IB2017/056605)
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[25] EN
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[54] **STABILISATEUR EXTERNE DE CATHETER**
[72] OLSON, SARAH L., US
[72] KIERANEN, CARL B., US
[72] MACK, JOHN R., US
[72] MACK, JASON P., US
[73] LEVITY PRODUCTS, INC., US
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[86] 2017-08-18 (PCT/IB2017/055021)
[87] (WO2018/033888)
[30] US (62/377,098) 2016-08-19
[30] US (62/442,566) 2017-01-05
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[25] EN
[54] **TOOL IN A TOOL HOLDER FOR MULCHERS/GRINDERS**
[54] **OUTIL SUR UN PORTE-OUTIL ET DESTINE AU FRAISAGE ET AU BROYAGE**
[72] SEPPI, LORENZ, IT
[73] SEPPI M. SPA AG, IT
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[54] **CELLULE ELECTROCHIMIQUE SANS POMPE**
[72] MILNES, THOMAS BRADFORD, US
[72] PORTER, DAVID HARVIE, US
[72] HOLZINGER, CHLOE ROSE, US
[73] L3HARRIS OPEN WATER POWER, INC., US
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[54] **RHEOLOGICAL PROBE**
[54] **SONDE RHEOLOGIQUE**
[72] BEAUPRE, DENIS, CA
[73] COMMAND ALKON INCORPORATED, US
[85] 2019-02-19
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[54] **AUTOMATED DOCUMENT FILING AND PROCESSING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT ET DE CLASSEMENT DE DOCUMENTS AUTOMATISES**
[72] PATERSON, GORDON SCOTT, CA
[72] BRADLEY, MICHAEL, CA
[72] ROSENBERG, BRAD, CA
[72] KO, KA FU, CA
[73] FUTUREVAULT INC., CA
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[54] **AGENT DE FUSION ET MATRICES DE SUBSTRAT**
[72] SCHERRER, LAWRENCE C., US
[73] SCHERRER, LAWRENCE C., US
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[54] **OLIGOMERIZATION CATALYST AND PROCESS FOR THE PRODUCTION THEREOF**
[54] **CATALYSEUR D'OLIGOMERISATION ET PROCEDE DE PRODUCTION ASSOCIEE**
[72] NADOLNY, FABIAN, DE
[72] PEITZ, STEPHAN, DE
[72] STOCHNIOL, GUIDO, DE
[72] FRANKE, ROBERT, DE
[72] QUANDT, THOMAS, DE
[73] EVONIK OXENO GMBH & CO. KG, DE
[86] (3036867)
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF (1R,3R)- AND (1S,3S)-2,2-DIHALO-3-(SUBSTITUTED PHENYL)CYCLOPROPANECARBOXYLIC ACIDS**
[54] **PROCEDE DE PREPARATION D'ACIDES (1R,3R)- ET (1S,3S)-2,2-DIHALO-3-(PHENYLE SUBSTITUE) CYCLOPROPANECARBOXYLIQUE**
[72] CHOY, NAKYEN, US
[72] LI, FANGZHENG, US
[73] CORTEVA AGRISCIENCE LLC, US
[85] 2019-03-19
[86] 2017-10-09 (PCT/US2017/055699)
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[54] **BLOWN FILMS WITH IMPROVED PROPERTIES**
[54] **FILMS SOUFFLES POSSEDANT DES PROPRIETES AMELIOREES**
[72] RUIZ, JOSE EDUARDO, US
[72] HAMAD, FAWZI G., US
[72] BILGEN, MUSTAFA, US
[72] HERNANDEZ, CLAUDIA, US
[72] CHANDAK, SWAPNIL, US
[72] BRODIL, JASON C., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[25] EN
[54] **MICROFLUIDIC DEVICE**
[54] **DISPOSITIF MICROFLUIDIQUE**
[72] HINGWING, KYLA ROSE, CA
[72] SHI, XIAOQING, CA
[72] CHAN, DANNY, CA
[72] ZHANG, HONG, CA
[72] MACCALLUM, KENNETH, CA
[72] WEY, GENE, CA
[72] PHILIPPSEN, AARON, CA
[72] BARDELL, RON L., US
[73] TEL-ARRAY DIAGNOSTICS INC., CA
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[25] EN
[54] **GROUNDING PLATE AND METHODS OF SHIPPING AND INSTALLING A GROUNDING PLATE**
[54] **PLAQUE DE MISE A LA TERRE ET METHODES D'EXPEDITION ET D'INSTALLATION D'UNE PLAQUE DE MISE A LA TERRE**
[72] JOHNSON, ROBERT, CA
[73] JOHNSON, ROBERT, CA
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[54] **SURFACE PROTECTION ARTICLES AND METHODS**
[54] **ARTICLES DE PROTECTION DE SURFACE ET METHODES**
[72] ARONOFF, ERIC, CA
[73] ARONOFF, ERIC, CA
[86] (3038951)
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[25] EN
[54] **SUPPLY AIR DEVICE FOR CONTROLLING SUPPLY AIR FLOW**
[54] **DISPOSITIF D'AIR D'ALIMENTATION POUR REGULER UN FLUX D'AIR D'ALIMENTATION**
[72] LINDBORG, HERMAN, SE
[73] LINDINVENT AB, SE
[85] 2019-04-01
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[54] **OPERATING AN HVAC SYSTEM BASED ON PREDICTED INDOOR AIR TEMPERATURE**
[54] **UTILISATION D'UN SYSTEME CVCA BASE SUR UNE TEMPERATURE D'AIR INTERIEUR PREVUE**
[72] JOY, JEESON KANGIRATHINGAL, IN
[72] SELVAM, SANTHOSH KUMAR, IN
[72] BRAHME, ROHINI, US
[73] LENNOX INDUSTRIES INC., US
[86] (3040117)
[87] (3040117)
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[25] EN
[54] **PORTABLE SPILL VACUUM APPARATUS AND SKIMMING DEVICE**
[54] **APPAREIL A VIDE DE DEVERSEMENT PORTATIF ET DISPOSITIF D'ECUMAGE**
[72] BOUVIER, WAYNE LIONEL, CA
[73] BOUVIER, WAYNE LIONEL, CA
[85] 2019-04-11
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[54] **METHOD AND APPARATUS FOR PREDICTING LIFE CYCLE OF A SPLICE**
[54] **PROCEDE ET APPAREIL POUR PREDIRE LE CYCLE DE VIE D'UNE EPISSURE**
[72] HIRSH, DOUGLAS S., US
[72] MUEHLEMANN, MICHAEL, US
[73] SMARTKABLE, LLC, US
[85] 2019-04-15
[86] 2017-10-18 (PCT/US2017/057141)
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[54] **INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, ET PROCEDE DE TRAITEMENT D'INFORMATIONS**
[72] YAMAGISHI, YASUAKI, JP
[73] SONY CORPORATION, JP
[85] 2019-04-16
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[54] **OXYSTEROLS AND METHODS OF USE THEREOF**
[54] **OXYSTEROLS ET LEURS PROCEDES D'UTILISATION**
[72] SALITURO, FRANCESCO G., US
[72] ROBICHAUD, ALBERT J., US
[72] MARTINEZ BOTELLA, GABRIEL, US
[72] HARRISON, BOYD L., US
[72] GRIFFIN, ANDREW, CA
[72] LA, DANIEL, US
[73] SAGE THERAPEUTICS, INC., US
[85] 2019-04-17
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[30] US (62/409,772) 2016-10-18
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[54] **LOCKING DEVICE ON TWO BODIES MOVABLE IN A SLIDING MANNER RELATIVE TO EACH OTHER ON A GUIDE TRACK**
[54] **DISPOSITIF DE VERROUILLAGE SITUE AU NIVEAU DE DEUX CORPS POUVANT COULISSER L'UN PAR RAPPORT A L'AUTRE SUR UNE VOIE DE GUIDAGE**
[72] WOLBER, RAINER, DE
[73] PINTSCH WOLBER GMBH, DE
[85] 2019-04-24
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[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2019-05-06
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[54] **RANK INDICATION METHOD, RANK INDICATION REPORTING METHOD, DEVICE AND SYSTEM, AND STORAGE MEDIUM**
[54] **METHODE D'INDICATION DE RANG, METHODE DE PRODUCTION DE RAPPORT D'INDICATION DE RANG, DISPOSITIF ET SYSTEME, ET SUPPORT DE STOCKAGE**
[72] GE, SHIBIN, CN
[72] HAN, WEI, CN
[72] BI, XIOYAN, CN
[72] SHI, HONGZHE, CN
[72] WU, YE, CN
[72] JIN, HUANGPING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[86] 2018-06-21 (PCT/CN2018/092129)
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[54] **NUTRITIONAL COMPOSITION USEFUL IN THE TREATMENT OF NEOPLASTIC DISEASES**
[54] **COMPOSITION NUTRITIONNELLE AVEC DE L'AMIDON RESISTANT UTILE DANS LE TRAITEMENT DE MALADIES NEOPLASIQUES**
[72] PAZIENZA, VALERIO, IT
[73] FONDAZIONE DI RELIGIONE E DI CULTO "CASA SOLLIEVO DELLA SOFFERENZA" - OPERA DI SAN PIO DA PIETRELCINA, IT
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[86] 2017-11-27 (PCT/EP2017/080468)
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[30] EP (16200981.5) 2016-11-28

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[25] EN
[54] **FITTINGS FOR JOINING LENGTHS OF PIPE BY A PRESS-FIT CONNECTION AND PIPE ASSEMBLY FORMED USING SAME**
[54] **ACCESSOIRES DE TUYAUTERIE POUR JOINDRE DES ELEMENTS DE TUYAU PAR UN RACCORD A AJUSTEMENT SERRE ET TUYAUTERIE FORMEE A L'AIDE DE CEUX-CI**
[72] GRIGGS, ROBERT L., US
[72] BAKER, ANTHONY LEE, US
[72] GRIGGS, ANDREW JOSEPH, US
[72] LAMARTINA, DANIEL JUDE, US
[72] VAN CAMP, JOHN W., US
[73] TRINITY PRODUCTS, LLC, US
[86] (3045359)
[87] (3045359)
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[30] US (62/836,566) 2019-04-19

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[51] **Int.Cl. G07F 17/24 (2006.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **MULTISPACE PARKING PAY STATIONS INCLUDING PAYMENT IMPROVEMENTS**
[54] **BORNES DE PAIEMENT DE STATIONNEMENT A PLUSIEURS ESPACES AVEC AMELIORATIONS AUX PAIEMENTS**
[72] KING, DAVID WILLIAM, US
[72] SCHWARZ, ALEXANDER, US
[72] RANDALL, CHAD P., US
[73] IPS GROUP INC., US
[86] (3046774)
[87] (3046774)
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[54] **DRIVER FOR A FEED CHAIN AND FEED CHAIN**
[54] **ENTRAINEUR D'UNE CHAINE A FOURRAGE, ET CHAINE A FOURRAGE**
[72] KUHLMANN, FRANZ JOSEF, DE
[73] KUHLMANN, FRANZ JOSEF, DE
[85] 2019-06-14
[86] 2017-12-11 (PCT/EP2017/082232)
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[54] **ORTHODONTIC SYSTEM WITH VARIABLY-SIZED ARCHWIRE SLOT**
[54] **SYSTEME ORTHODONTIQUE A FENTE D'ARC DENTAIRE DE TAILLE VARIABLE**
[72] PITTS, THOMAS, US
[72] RUIZ-VELA, ALBERTO, US
[73] WORLD CLASS TECHNOLOGY CORPORATION, US
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[86] 2018-01-02 (PCT/US2018/012085)
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[54] **USE OF CALCIUM COMPLEX LUBRICATING GREASES AND CALCIUM SULFONATE COMPLEX LUBRICATING GREASES FOR THE LUBRICATION OF WIRE ROPES**
[54] **UTILISATION DE GRAISSES LUBRIFIANTES AYANT UN COMPLEXE DE CALCIUM ET DE GRAISSES LUBRIFIANTES AYANT UN COMPLEXE DE SULFONATE DE CALCIUM, POUR LA LUBRIFICATION DE CABLES METALLIQUE S**
[72] MULLER, ROMAN, DE
[72] MULLER, STEPHAN, DE
[73] FUCHS SE, DE
[85] 2019-06-20
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[30] DE (10 2016 125 289.1) 2016-12-21

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[54] **DATA UNSEALING WITH A SEALING ENCLAVE**
[54] **DEBALLAGE DE DONNEES AVEC UNE ENCLAVE DE CONFINEMENT**
[72] COSTA, MANUEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-06-28
[86] 2017-12-20 (PCT/US2017/067454)
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[30] US (15/414,505) 2017-01-24

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[51] **Int.Cl. G01S 17/10 (2020.01)**
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[54] **METHOD AND DEVICE FOR OPTICAL DISTANCE MEASUREMENT**
[54] **METHODE ET APPAREIL DE MESURE D'UNE DISTANCE OPTIQUE**
[72] KIEHN, MICHAEL, DE
[72] BIRNBACHER, WOLFGANG, DE
[73] MICROVISION, INC., US
[86] (3052003)
[87] (3052003)
[22] 2019-08-14
[30] EP (18190429.3) 2018-08-23

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[51] **Int.Cl. G02C 5/14 (2006.01) A01N 25/34 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **A DISPOSABLE SLEEVE HAVING AN ANTIMICROBIAL PROPERTY FOR COVERING AN ARM OF A PAIR OF SPECTACLES**
[54] **MANCHON JETABLE POSSEDANT UNE PROPRIETE ANTIMICROBIENNE POUR RECOUVRIR UNE BRANCHE D'UNE PAIRE DE LUNETTES**
[72] EDYE, DONNA, AU
[73] EDYE PTY LTD, AU
[85] 2019-08-02
[86] 2017-02-21 (PCT/AU2017/050149)
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[30] AU (2016900666) 2016-02-24

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[51] **Int.Cl. B27M 3/00 (2006.01) B32B 3/14 (2006.01) B32B 7/12 (2006.01) B32B 13/10 (2006.01) B32B 21/13 (2006.01) B32B 37/12 (2006.01) E01C 9/08 (2006.01) E01C 9/02 (2006.01) E01C 11/16 (2006.01)**
[25] EN
[54] **CRANE MAT AND METHOD OF MANUFACTURE**
[54] **PLATELAGE DE GRUE ET PROCEDE DE FABRICATION**
[72] STERLING, CARTER, US
[72] STERLING, COOPER, US
[72] O'CONNELL, MICHAEL, US
[72] STERLING, CHRISTIAN, US
[72] STERLING, CARSON, US
[72] STERLING, JOHN, US
[72] RAKE, JOHN, US
[73] STERLING SITE ACCESS SOLUTIONS, LLC, US
[85] 2019-08-07
[86] 2017-02-08 (PCT/US2017/017057)
[87] (WO2018/147847)

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[51] **Int.Cl. H04L 51/063 (2022.01) H04L 51/043 (2022.01) H04L 51/046 (2022.01) H04L 51/18 (2022.01)**
[25] EN
[54] **TASK MANAGEMENT BASED ON INSTANT COMMUNICATION MESSAGE**
[54] **GESTION DE TACHE BASEE SUR UN MESSAGE DE COMMUNICATION INSTANTANEE**
[72] LIU, PINGCHUAN, CN
[72] CHONG, YANG, CN
[72] LI, XUAN, CN
[73] 10353744 CANADA LTD., CA
[85] 2019-08-19
[86] 2017-10-20 (PCT/CN2017/106987)
[87] (WO2018/072741)
[30] CN (201610921306.X) 2016-10-21

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[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/00 (2006.01) A61B 17/02 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVE HOLDERS WITH AUTOMATIC DEPLOYING MECHANISMS**
[54] **SUPPORTS DE VALVULE PROTHETIQUE A MECANISMES DE DEPLOIEMENT AUTOMATIQUE**
[72] CONKLIN, BRIAN S., US
[72] MURAD, MICHAEL C., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2019-09-16
[86] 2017-05-02 (PCT/US2017/030663)
[87] (WO2018/186897)
[30] US (15/481,283) 2017-04-06

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[13] C
[51] **Int.Cl. H04W 24/10 (2009.01)**
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[54] **INTERFERENCE MEASUREMENT METHOD AND RELATED DEVICE**
[54] **PROCEDE DE MESURE D'INTERFERENCE ET DISPOSITIF ASSOCIE**
[72] ZHANG, LILI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-23
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[25] EN
[54] **DETERMINING A PRINTING ANOMALY RELATED TO A 3D PRINTED OBJECT**
[54] **DETERMINATION D'UNE ANOMALIE D'IMPRESSION ASSOCIEE A UN OBJET D'IMPRESSION 3D**
[72] MARSCH, DANIEL, US
[72] OSBORN, KEVIN, US
[72] WURMFELD, DAVID KELLY, US
[73] CAPITAL ONE SERVICES, LLC, US
[86] (3058526)
[87] (3058526)
[22] 2019-10-11
[30] US (16/159219) 2018-10-12

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[25] FR
[54] **MULTILAYER PLASTIC TUBE STRUCTURE**
[54] **STRUCTURE MULTICOUCHE DE TUBE PLASTIQUE**
[72] THOMASSET, JACQUES, FR
[72] MATHIEU, STEPHANE, FR
[72] TORNAY, REGINE, CH
[73] AISAPACK HOLDING SA, CH
[85] 2019-10-04
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[25] EN
[54] **INSUFFLATION RETENTION DEVICE**
[54] **DISPOSITIF DE MAINTIEN D'INSUFFLATION**
[72] HOLBROOK, ROBERT M., US
[73] BPENDO, LLC, US
[85] 2019-10-28
[86] 2018-05-11 (PCT/US2018/032373)
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[30] US (62/505,095) 2017-05-11

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[25] EN
[54] **MANAGING VERIFICATION REPOSITORIES TO FACILITATE REAL-TIME SERVICING OF VERIFICATION QUERIES**
[54] **GESTION DE REFERENTIELS DE VERIFICATION PERMETTANT DE FACILITER UN TRAITEMENT EN TEMPS REEL D'INTERROGATIONS DE VERIFICATION**
[72] BLOOMQUIST, ERIC, US
[72] WHITTENBERG, CHAD, US
[72] BERTOLINO, MARTIN, US
[73] EQUIFAX, INC., US
[73] BLOOMQUIST, ERIC, US
[73] WHITTENBERG, CHAD, US
[73] BERTOLINO, MARTIN, US
[85] 2019-10-25
[86] 2017-04-28 (PCT/US2017/030196)
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[51] **Int.Cl. F15B 15/20 (2006.01)**
[25] EN
[54] **BI-DIRECTIONAL NO-BACK BRAKE PROGRESSIVE MODULATION SPRING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RESSORT DE MODULATION PROGRESSIVE SANS FREIN ARRIERE BIDIRECTIONNELS**
[72] BAE, KWAN-HO, US
[72] GARDNER, MARK J., US
[72] LIU, JEN-SHEN, US
[73] THE BOEING COMPANY, US
[86] (3063079)
[87] (3063079)
[22] 2019-11-27
[30] US (16/224497) 2018-12-18

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[25] EN
[54] **SIDE ACTION FLUSH LOCK FOR CASEMENT WINDOW AND METHOD OF OPERATING THE SAME**
[54] **SERRURE A ENTAILLER A ACTION LATERALE POUR FENETRE A BATTANT ET SON PROCEDE DE FONCTIONNEMENT**
[72] MINTER, PETER J., US
[72] RUSPIL, MATHEW D., US
[73] ASSA ABLOY FENESTRATION, LLC, US
[85] 2019-11-21
[86] 2018-06-01 (PCT/US2018/035562)
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[25] EN
[54] **FLOW CELLS**
[54] **CUVES A FLUX CONTINU**
[72] FISHER, JEFFREY S., US
[72] MATHER, BRIAN D., US
[72] ROGERT BACIGALUPO, MARIA CANDELARIA, US
[72] FULLERTON, JUSTIN, US
[72] VINCENT, LUDOVIC, US
[72] KRAFT, LEWIS J., US
[72] HONG, SAHNGKI, US
[72] BOYANOV, BOYAN, US
[72] BOWEN, M. SHANE, US
[72] PARK, SANG, US
[72] GEORGE, WAYNE N., GB
[72] BROWN, ANDREW A., GB
[72] YUAN, DAJUN, GB
[73] ILLUMINA, INC., US
[73] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-12-11
[86] 2019-06-07 (PCT/US2019/036105)
[87] (WO2020/005503)
[30] US (62/692,511) 2018-06-29
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[51] **Int.Cl. C09J 175/04 (2006.01) A01K 97/06 (2006.01) C09J 11/06 (2006.01)**
[25] EN
[54] **ADHESIVE VISCOELASTOMER AND ITS USE IN STABILIZED STORAGE CONTAINERS**
[54] **VISCOELASTOMERE ADHESIF ET SON UTILISATION DANS DES RECIPIENTS DE STOCKAGE STABILISES**
[72] KRIESEL, MATTHEW WAYNE, US
[72] GOODENOUGH, TROY BRADLEY, US
[73] UNIVERSAL TECH CORPORATION, US
[85] 2020-01-21
[86] 2018-08-06 (PCT/US2018/045460)
[87] (WO2019/032479)
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[51] **Int.Cl. C12N 9/16 (2006.01) C12P 19/02 (2006.01)**
[25] EN
[54] **USE OF PSICOSE-6-PHOSPHATE PHOSPHATASE FOR PRODUCING PSICOSE AND METHOD FOR PRODUCING PSICOSE USING SAID ENZYME**
[54] **UTILISATION DE PHOSPHATASE DE PSICOSE-6-PHOSPHATE POUR LA PRODUCTION DE PSICOSE ET METHODE DE PRODUCTION DE PSICOSE AU MOYEN DE LADITE ENZYME**
[72] SON, BYUNG-SAM, KR
[72] CHO, HYUN KUG, KR
[72] YANG, SUNG JAE, KR
[72] KIM, SEONG BO, KR
[72] KIM, SEUNG HWAN, KR
[72] PARK, HYUN JUNE, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-01-27
[86] 2018-07-25 (PCT/KR2018/008396)
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[30] KR (10-2017-0097334) 2017-07-31

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[13] C
[51] **Int.Cl. B60P 1/28 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **IMPROVEMENTS TO TRUCK BODIES**
[54] **AMELIORATIONS A DES CARROSSERIES DE CAMIONS**
[72] GREESHAW, LYNDON BRIAN, AU
[72] HALL, JAMIE VINCENT CLARKE, AU
[73] AUSTIN ENGINEERING LIMITED, AU
[86] (3072201)
[87] (3072201)
[22] 2020-02-12
[30] AU (2019253774) 2019-10-21

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[13] C
[51] **Int.Cl. B65D 81/26 (2006.01) B65D 53/02 (2006.01)**
[25] EN
[54] **MOISTURE TIGHT CONTAINERS AND METHODS OF MAKING AND USING THE SAME**
[54] **RECIPIENTS ETANCHES A L'HUMIDITE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] FREEDMAN, JONATHAN R., US
[72] HUBER, DONALD LEE, US
[72] TIFFT, BRIAN, US
[72] LUCAS, JR., FRANKLIN LEE, US
[73] CSP TECHNOLOGIES, INC., US
[85] 2020-02-07
[86] 2018-08-08 (PCT/US2018/045697)
[87] (WO2019/032636)
[30] US (62/542,358) 2017-08-08
[30] US (62/542,391) 2017-08-08

[11] **3,072,857**
[13] C
[51] **Int.Cl. H04L 1/00 (2006.01) H03M 13/29 (2006.01)**
[25] EN
[54] **FORWARD ERROR CORRECTION WITH COMPRESSION CODING**
[54] **CORRECTION D'ERREURS SANS VOIE DE RETOUR GRACE A UN CODAGE PAR COMPRESSION**
[72] ROBERTS, KIM, CA
[72] OVEIS GHARAN, SHAHAB, CA
[72] SEIFI, MOHAMMAD EHSAN, CA
[73] CIENA CORPORATION, US
[85] 2020-02-12
[86] 2018-09-04 (PCT/IB2018/056746)
[87] (WO2019/053555)
[30] US (15/703,180) 2017-09-13

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[13] C
[51] **Int.Cl. G07C 9/00 (2020.01)**
[25] EN
[54] **LOCKER MANAGEMENT TECHNIQUES**
[54] **TECHNIQUES DE GESTION DE CASIERS**
[72] MCGEHEE, WILLIAM V., US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-02-28
[86] 2018-08-21 (PCT/US2018/047355)
[87] (WO2019/060075)
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[51] **Int.Cl. E04G 23/00 (2006.01)**
[25] EN
[54] **DIRECTLY-DRIVEN WALK-BEHIND FLOOR SCRAPER MACHINE**
[54] **MACHINE-GRATTOIR DE PLANCHER POUSSEE A ENTRAINEMENT DIRECT**
[72] ANDERSON, MARTIN L., US
[72] ANDERSON, QUINN M., US
[73] ANDERSON INNOVATIONS, LLC, US
[85] 2020-03-11
[86] 2018-10-04 (PCT/US2018/054390)
[87] (WO2019/070993)
[30] US (15/726,984) 2017-10-06

[11] **3,077,282**
[13] C
[51] **Int.Cl. A47G 19/12 (2006.01) A47G 23/03 (2006.01)**
[25] EN
[54] **BEVERAGE SYSTEM**
[54] **DISTRIBUTEUR DE BOISSONS**
[72] LUCHAK, PETER W., CA
[73] LUCHAK, PETER W., CA
[86] (3077282)
[87] (3077282)
[22] 2020-03-26
[30] US (62/825,068) 2019-03-28

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[13] C
[51] **Int.Cl. C08J 9/02 (2006.01) C08L 23/12 (2006.01) C08L 97/00 (2006.01)**
[25] EN
[54] **SELF-EXPANDING LIGNOFOAM COMPOSITIONS AND LIGNOFOAMS MADE THEREFROM**
[54] **COMPOSITIONS DE MOUSSE A BASE DE LIGNOCELLULOSE AUTO-EXPANSIBLES ET MOUSSES A BASE DE LIGNOCELLULOSE FABRIQUEES A PARTIR DE CELLES-CI**
[72] CAI, ZHIYONG, US
[72] YAN, QIANGU, US
[72] LI, JINGHAO, US
[73] UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF AGRICULTURE (THE), US
[86] (3079308)
[87] (3079308)
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[13] C
[51] **Int.Cl. G21C 3/10 (2006.01) G21C 13/028 (2006.01) G21C 13/067 (2006.01)**
[25] EN
[54] **JOINING AND SEALING PRESSURIZED CERAMIC STRUCTURES**
[54] **ASSEMBLAGE ET ETANCHEIFICATION DE STRUCTURES CERAMIQUES SOUS PRESSION**
[72] SHEEDER, JONATHAN DAVID, US
[72] ZHANG, JIPING, US
[72] DECK, CHRISTIAN PETER, US
[72] KHALIFA, HESHAM EZZAT, US
[72] STEMKE, ROBERT WARREN, US
[72] AUSTIN, BRIAN STEPHEN, US
[72] VASUDEVAMURTHY, GOKUL, US
[72] BACALSKI, CARLOS, US
[72] SONG, ERIC, US
[72] BACK, CHRISTINA ALLYSSA, US
[73] GENERAL ATOMICS, US
[85] 2020-04-17
[86] 2018-10-12 (PCT/US2018/055704)
[87] (WO2019/089212)
[30] US (62/574,721) 2017-10-19

[11] **3,081,034**
[13] C
[51] **Int.Cl. G06T 7/30 (2017.01) G06T 7/70 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGE REGISTRATION AND CAMERA CALIBRATION USING LEARNED ERROR FUNCTIONS**
[54] **SYSTEME ET PROCEDE POUR LA SUPERPOSITION D'IMAGES ET LE CALIBRAGE DE LA CAMERA AU MOYEN DE FONCTIONS D'ERREURS APPRISES**
[72] JAVAN ROSHTKHARI, MEHRSAN, CA
[72] JIANG, WEI, CA
[72] GAMBOA HIGUERA, JUAN CAMILO, CA
[72] YI, KWANG MOO, CA
[73] SPORTLOGIQ INC., CA
[86] (3081034)
[87] (3081034)
[22] 2020-05-20
[30] US (62/850,910) 2019-05-21

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[13] C
[51] **Int.Cl. H04L 7/00 (2006.01)**
[25] EN
[54] **CLOCK SYNCHRONIZATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE SYNCHRONISATION D'HORLOGE**
[72] HE, XIANG, CN
[72] QI, YUNLEI, CN
[72] CHEN, JINGFENG, CN
[72] LIN, TAO, CN
[72] SONG, JUNMIN, CN
[72] WANG, XINYUAN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-04-30
[86] 2017-10-30 (PCT/CN2017/108417)
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[13] C
[51] **Int.Cl. A61K 31/047 (2006.01) A61K 9/48 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING EMBRYO IMPLANTATION RATE IN A FEMALE SUBJECT SUFFERING POLYCYSTIC OVARY SYNDROME**
[54] **PROCEDE D'AUGMENTATION DU TAUX D'IMPLANTATION DES EMBRYONS CHEZ UN SUJET FEMELLE SOUFFRANT DU SYNDROME DES OVAIRES POLYKYSTIQUES**
[72] OLIVARES MARTIN, MONICA, ES
[72] FONOLLA JOYA, JURISTO, ES
[72] DIAZ-ROPERO MEDINA, MARIA PAZ, ES
[72] LOPEZ LARRAMENDI, JOSE LUIS, ES
[72] MENDOZA LADRON DE GUEVARA, NICOLAS, ES
[73] BIOSEARCH, S.A., ES
[85] 2020-05-22
[86] 2018-04-19 (PCT/EP2018/060077)
[87] (WO2019/101368)
[30] EP (17382791.6) 2017-11-23

[11] **3,084,163**
[13] C
[51] **Int.Cl. G02B 3/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FOCAL-PLANE ANGULAR-SPATIAL ILLUMINATOR/DETECTOR (FASID) DESIGN FOR IMPROVED GRADED INDEX LENSES**
[54] **SYSTEME ET PROCEDE DE CONCEPTION D'ILLUMINATEUR/DETECTEUR SPATIAL-ANGULAIRE DANS LE PLAN FOCAL (FASID) POUR DES LENTILLES A GRADIENT D'INDICE AMELIOREES**
[72] FEIGENBAUM, EYAL, US
[72] BUDE, JEFFREY D., US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2020-06-01
[86] 2018-12-03 (PCT/US2018/063591)
[87] (WO2019/125745)
[30] US (15/850,401) 2017-12-21

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[25] EN
[54] **SOLID ORAL NICOTINE FORMULATION**
[54] **FORMULATION DE NICOTINE ORALE SOLIDE**
[72] NIELSEN, BRUNO PROVSTGAARD, DK
[72] NIELSEN, KENT ALBIN, DK
[73] FERTIN PHARMA A/S, DK
[85] 2020-06-08
[86] 2018-12-07 (PCT/DK2018/050336)
[87] (WO2019/110073)
[30] DK (PA 2017 70926) 2017-12-08

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[25] EN
[54] **KEYWAY TIE**
[54] **TRAVERSE A RAINURE DE CLAVETTE**
[72] MATTSON, STEVEN R., US
[72] LESHER, SCOTT D., US
[73] VOESTALPINE RAILWAY SYSTEMS NORTRAK LLC, US
[73] VOESTALPINE RAILWAY SYSTEMS GMBH, AT
[85] 2020-06-10
[86] 2018-12-20 (PCT/US2018/066827)
[87] (WO2019/139765)
[30] US (15/867,623) 2018-01-10

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[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/18 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRESSURE PROTECTION**
[54] **COMPOSITIONS ET PROCEDES DE PROTECTION CONTRE LA PRESSION**
[72] MORSY, SAMIHA SAID ELSAYED, US
[72] NIZAMIDIN, NABIJAN, US
[72] TAGAVIFAR, MOHSEN S., US
[73] CHEVRON U.S.A. INC., US
[86] (3086130)
[87] (3086130)
[22] 2020-07-07
[30] US (62/871164) 2019-07-07
[30] US (62/871165) 2019-07-07
[30] US (62/873901) 2019-07-13
[30] US (62/873902) 2019-07-13
[30] US (62/873904) 2019-07-13

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[13] C
[51] **Int.Cl. H01M 4/131 (2010.01) H01M 4/1391 (2010.01) H01M 4/505 (2010.01) H01M 4/525 (2010.01) C01G 45/02 (2006.01) C01G 51/04 (2006.01) C01G 53/04 (2006.01) H01M 4/36 (2006.01)**
[25] EN
[54] **LIMMOXFY SHELL FORMATION ON CATHODE CERAMIC PARTICLE FOR LI ION BATTERY THROUGH ONIUM METAL OXIDE FLUORIDE PRECURSOR**
[54] **FORMATION D'ENVELOPPE EN LIMMOXFY SUR UNE PARTICULE DE CERAMIQUE DE CATHODE POUR UNE BATTERIE AU LITHIUM-ION AU MOYEN D'UN PRECURSEUR DE FLUORURE D'OXYDE METALLIQUE D'ONIUM**
[72] HAO, JIANJUN, US
[72] KNIGHT, JAMES C., US
[73] SACHEM, INC., US
[85] 2020-06-29
[86] 2018-12-12 (PCT/US2018/065099)
[87] (WO2019/133251)
[30] US (62/611,705) 2017-12-29

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[13] C
[51] **Int.Cl. A01C 1/06 (2006.01) B01J 2/30 (2006.01) B05D 1/12 (2006.01)**
[25] EN
[54] **COATING FLOWABLE CONTACT-TOLERANT GRANULES, INCLUDING SEEDS**
[54] **ENROBAGE DE GRANULES APTES A S'ECOULER TOLERANT LE CONTACT, Y COMPRIS DES GRAINES**
[72] FORSYTH, DANIEL L., US
[73] QUALITY PLUS MANUFACTURING, LLC, US
[85] 2020-07-09
[86] 2019-01-31 (PCT/US2019/016138)
[87] (WO2019/152704)
[30] US (62/626,592) 2018-02-05

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[13] C
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/16 (2006.01) A61B 18/18 (2006.01) A61B 18/20 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR CONTROLLED RF TREATMENTS AND RF GENERATOR SYSTEM**
[54] **PROCEDES ET APPAREIL DESTINES A DES TRAITEMENTS RF COMMANDES ET SYSTEME DE GENERATEUR RF**
[72] BOLL, JAMES, US
[72] WELCHES, RICHARD SHAUN, US
[72] MASSE, DANIEL, US
[72] BRUCE, SAMUEL, US
[72] SIMON, JEFFREY, US
[72] SHAJII, ALI, US
[72] SONNENSHEIN, DAVID, US
[72] MCCARTHY, ROBERT D., US
[72] SIERRA, RAFAEL ARMANDO, US
[73] CYNOSURE, LLC, US
[85] 2020-07-20
[86] 2019-02-06 (PCT/US2019/016883)
[87] (WO2019/157076)
[30] US (62/627,611) 2018-02-07
[30] US (62/771,294) 2018-11-26

[11] **3,091,394**
[13] C
[51] **Int.Cl. A61B 5/01 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **RUMINAL BOLUS FOR TRACKING BOVINES**
[54] **BOLUS RUMINAL POUR SUIVRE DES BOVINS**
[72] MAGAZZU, GIUSEPPE, IT
[72] PRESTI, DARIO, IT
[72] BENEDETTO, ROSA, IT
[72] BLAND, RAMSEY, US
[72] HOCH, MARTIN, US
[73] MOVMENT LLC, US
[85] 2020-08-15
[86] 2019-02-19 (PCT/US2019/018600)
[87] (WO2019/161397)
[30] US (62/632,158) 2018-02-19

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[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-TIGIT ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-TIGIT ET LEURS UTILISATIONS**
[72] LEE, KWANG-HOON, KR
[72] LEE, JUNE HYUNG, KR
[72] LEE, NA RAE, KR
[72] JEONG, EUNJEONG, KR
[72] PARK, YOUNG BONG, KR
[72] CHANG, NAKHO, KR
[72] LEE, EUN-JUNG, KR
[72] KIM, KI HONG, KR
[72] CHOI, SUNGHYUN, KR
[72] CHOI, BYUNG HYUN, KR
[72] PARK, JU YOUNG, KR
[72] SONG, MOO YOUNG, KR
[72] LEE, JONG-SEO, KR
[72] KIM, KYU-TAE, KR
[72] KO, BONG-KOOK, KR
[73] YUHAN CORPORATION, KR
[85] 2020-08-18
[86] 2019-02-28 (PCT/KR2019/002440)
[87] (WO2019/168382)
[30] KR (10-2018-0024822) 2018-02-28

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[13] C
[51] **Int.Cl. A61K 31/145 (2006.01) A61P 9/10 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **NOVEL AMINOTHIOL REDUCTION OF ISCHEMIA-REPERFUSION-INDUCED CELL DEATH**
[54] **NOUVELLE REDUCTION PAR AMINOTHIOL DE LA MORT CELLULAIRE INDUITE PAR ISCHEMIE-REPERFUSION**
[72] FAHL, WILLIAM E., CN
[72] LI, NINGFENG, CN
[73] OBVIA PHARMACEUTICALS LTD, US
[85] 2020-08-31
[86] 2019-01-04 (PCT/CN2019/070444)
[87] (WO2019/165851)
[30] US (62/710,838) 2018-03-01

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[25] EN
[54] **A METHOD OF REGISTERING INERTIAL MEASUREMENT UNITS IN AN OPERATING ROOM**
[54] **UNE METHODE D'ENREGISTREMENT D'UNITES DE MESURE D'INERTIE DANS UNE SALLE D'OPERATION**
[72] MAHFOUZ, MOHAMED R., US
[73] TECHMAH MEDICAL LLC, US
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[87] (3093207)
[22] 2014-12-09
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[30] US (61/913,608) 2013-12-09
[30] US (61/951,221) 2014-03-11
[30] US (61/977,984) 2014-04-10
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[51] **Int.Cl. A01K 1/01 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **ANIMAL LITTER BOX APPARATUS**
[54] **APPAREIL DE BAC DE LITIERE POUR ANIMAUX**
[72] KISER, MARGARET LIGON, US
[73] KISER, MARGARET LIGON, US
[85] 2020-09-15
[86] 2019-07-13 (PCT/US2019/041745)
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[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS THERMAL TREATMENT OF A FLOWABLE PRODUCT**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT THERMIQUE CONTINU D'UN PRODUIT FLUIDE**
[72] DRUGA, MICHAEL, US
[72] SIMUNOVIC, JOSIP, US
[72] KENNER, THOMAS, US
[72] GIUNTA, STEVEN, US
[73] SINNOVATEK, INC., US
[73] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2020-09-18
[86] 2019-04-02 (PCT/US2019/025276)
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[51] **Int.Cl. C09D 7/62 (2018.01) B27K 3/16 (2006.01) C09D 5/18 (2006.01) C09D 201/00 (2006.01)**
[25] EN
[54] **FINE PARTICLE SIZE BORIC ACID/UREA DISPERSION AND METHODS AND PRODUCTS USING SAID DISPERSION**
[54] **DISPERSION DE FINES PARTICULES D'ACIDE BORIQUE/UREE ET METHODES ET PRODUITS UTILISANT CETTE DISPERSION**
[72] FREEMAN, GARY M., US
[72] DO, QUANG T., US
[72] SPARKS, JOSHUA D., US
[73] POLYMER SOLUTIONS GROUP, US
[86] (3094635)
[87] (3094635)
[22] 2020-09-28
[30] US (16/794810) 2020-02-19

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[25] EN
[54] **CERIUM-STABILIZED POLYAMIDES AND PROCESSES FOR MAKING SAME**
[54] **POLYAMIDES STABILISES AU CERIUM ET LEURS PROCEDES DE FABRICATION**
[72] SPARKS, BRADLEY J., US
[72] HENSARLING, RYAN M., US
[72] SOMASIRI, NANAYAKKARA L., US
[73] ASCEND PERFORMANCE MATERIALS OPERATIONS LLC, US
[85] 2020-09-25
[86] 2019-03-29 (PCT/US2019/024815)
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[30] US (62/650,731) 2018-03-30
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[25] EN
[54] **SPEAKER LAMP**
[54] **LAMPE DE HAUT-PARLEUR**
[72] REN, XIAOJUN, CN
[72] XIAO, KUN, CN
[72] CHEN, WEIHU, CN
[72] HAI, HUANG, CN
[73] SAVANT TECHNOLOGIES LLC, US
[86] (3096254)
[87] (3096254)
[22] 2020-10-16
[30] CN (2019110304909) 2019-10-28

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHODS FOR INHIBITING ANGIOGENESIS IN A SUBJECT IN NEED THEREOF**
[54] **PROCEDES D'INHIBITION D'ANGIOGENESE CHEZ UN SUJET QUI EN A BESOIN**
[72] DEMOPULOS, GREGORY A., US
[72] SCHWAEBLE, HANS-WILHELM, GB
[72] DUDLER, THOMAS, US
[72] TJOELKER, LARRY, US
[73] OMEROS CORPORATION, US
[73] UNIVERSITY OF LEICESTER, GB
[86] (3096270)
[87] (3096270)
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[54] **HINGE POST FOR TOILET SEAT**
[54] **POINT DE CHARNIERE D'UN SIEGE DE TOILETTE**
[72] HAND, JOSEPH M., US
[72] ARNDT, JONATHAN, US
[73] BEMIS MANUFACTURING COMPANY, US
[86] (3096924)
[87] (3096924)
[22] 2020-10-21
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[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/20 (2012.01) G06Q 20/34 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SYSTEMS METHODS AND DEVICES FOR INCREASING SECURITY WHEN USING SMARTCARDS**
[54] **SYSTEMES, METHODES ET DISPOSITIFS POUR ACCROITRE LA SECURITE D'UTILISATION DE CARTES INTELLIGENTES**
[72] MOUSSEAU, GARY, CA
[72] CHURCH, MARK, CA
[72] EDWARDS, MARCUS, CA
[73] 10353744 CANADA LTD., CA
[86] (3098049)
[87] (3098049)
[22] 2020-11-04
[30] US (62/930,139) 2019-11-04

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[25] EN
[54] **DIVERTER VALVE**
[54] **INVERSEUR**
[72] PARTRIDGE, JEFFREY, US
[73] FMC TECHNOLOGIES, INC., US
[86] (3098050)
[87] (3098050)
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[30] US (16/677,274) 2019-11-07

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[51] **Int.Cl. B60R 9/045 (2006.01)**
[25] EN
[54] **VEHICLE ROOF PANEL STRUCTURE**
[54] **STRUCTURE DE GALERIE DE TOIT**
[72] YANG, MINGSHUN, CN
[73] FORMOSA SAINT JOSE CORP., TW
[85] 2020-11-05
[86] 2018-12-24 (PCT/CN2018/123114)
[87] (WO2020/000939)
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[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **UPLINK-SIGNAL-BASED RESOURCE ALLOCATION METHOD AND APPARATUS, RELATED DEVICE, AND STORAGE MEDIUM**
[54] **METHODE ET APPAREIL D'ATTRIBUTION DE RESSOURCES FONDES SUR UN SIGNAL DE LIAISON MONTANTE, DISPOSITIF CONNEXE ET SUPPORT DE STOCKAGE**
[72] LI, YAN, CN
[72] WANG, FEI, CN
[72] HOU, XUEYING, CN
[72] ZHENG, YI, CN
[73] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[73] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2020-11-05
[86] 2019-05-05 (PCT/CN2019/085579)
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[30] CN (201810446930.8) 2018-05-11

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[51] **Int.Cl. A47L 9/10 (2006.01) A47L 7/00 (2006.01)**
[25] EN
[54] **WET-DRY VACUUM AND LID SYSTEM THEREFOR**
[54] **ASPIRATEUR MOUILLE-SEC ET SYSTEME DE COUVERCLE CONNEXE**
[72] LAUB, ADAM, US
[72] LONGSHORE, RYAN, US
[73] EXAIR LLC, US
[86] (3100145)
[87] (3100145)
[22] 2020-11-20
[30] US (16/694,271) 2019-11-25

[11] **3,101,822**
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[51] **Int.Cl. A61K 31/4155 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/48 (2006.01) A61K 31/403 (2006.01) A61K 31/426 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61P 1/16 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION CONTAINING GLUCOKINASE ACTIVATOR AND PPAR RECEPTOR ACTIVATOR, AND PREPARATION METHODS AND USES THEREOF**
[54] **COMBINAISON PHARMACEUTIQUE CONTENANT UN ACTIVATEUR DE GLUCOSE KINASE ET UN ACTIVATEUR DE RECEPTEUR PPAR, COMPOSITION, PREPARATION DE COMPOSE, SON PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] CHEN, LI, CN
[72] LI, YONGGUO, CN
[72] WANG, GAOSEN, CN
[72] GAO, HUISHENG, CN
[73] HUA MEDICINE (SHANGHAI) LTD., CN
[85] 2020-11-27
[86] 2019-05-28 (PCT/CN2019/088866)
[87] (WO2019/228367)
[30] CN (201810556685.6) 2018-05-31

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[13] C
[51] **Int.Cl. C08B 37/16 (2006.01) A61K 31/724 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF SUGAMMADEX**
[54] **PROCEDES DE PREPARATION DE SUGAMMADEX**
[72] MCCABE DUNN, JAMIE M., US
[72] KUHL, NADINE, US
[72] CHEN, WENYONG, US
[72] CAO, YANG, US
[72] GAUTHIER, DONALD R., JR., US
[72] HYDE, ALAN MICHAEL, US
[72] ZULTANSKI, SUSAN L., US
[73] MERCK SHARP & DOHME LLC, US
[85] 2020-11-30
[86] 2019-06-03 (PCT/US2019/035104)
[87] (WO2019/236436)
[30] US (62/681,889) 2018-06-07

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[13] C
[51] **Int.Cl. B60P 7/04 (2006.01) B62D 63/08 (2006.01)**
[25] EN
[54] **CRANK ASSEMBLY FOR A TARPAULIN RETRACTION AND EXTENSION DEVICE**
[54] **MECANISME A MANIVELLE POUR UN DISPOSITIF DE RETRACTION ET D'EXTENSION DE BACHE**
[72] BOUTIN, KEVEN, CA
[72] BRUNET, ETIENNE, CA
[72] MARTIN, KENDRICK, CA
[73] FABRICATION ELCARGO INC., CA
[86] (3102818)
[87] (3102818)
[22] 2020-12-16
[30] US (62950606) 2019-12-19

[11] **3,104,974**
[13] C
[51] **Int.Cl. G06F 3/01 (2006.01) G09B 9/00 (2006.01) G09B 23/00 (2006.01)**
[25] EN
[54] **HANDS ON LABORATORY AND DEMONSTRATION EQUIPMENT WITH A HYBRID VIRTUAL/AUGMENTED ENVIRONMENT, ALONG WITH THEIR METHODS OF USE**
[54] **EQUIPEMENT PRATIQUE DE LABORATOIRE ET DE DEMONSTRATION AVEC UN ENVIRONNEMENT HYBRIDE VIRTUEL/AUGMENTE, AINSI QUE LEURS PROCEDES D'UTILISATION**
[72] HAMADANI, KAMBIZ, US
[72] AHMADINIA, ALI, US
[72] YE, XIN, US
[72] JIANG, YUANYUAN, US
[73] HANDS-ON VIRTUAL REALITY LABS, LLC, US
[85] 2020-12-23
[86] 2019-04-15 (PCT/US2019/027464)
[87] (WO2019/200381)
[30] US (62/657,771) 2018-04-14

[11] **3,106,878**
[13] C
[51] **Int.Cl. A24B 15/16 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING ASSEMBLY HAVING A LAMINATE AEROSOL GENERATING MATERIAL**
[54] **ENSEMBLE DE GENERATION D'AEROSOL COMPRENANT UN MATERIAU DE GENERATION D'AEROSOL STRATIFIE**
[72] GHANOUNI, KAV, GB
[72] BENNING, JOCELYN, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2021-01-19
[86] 2019-07-31 (PCT/EP2019/070706)
[87] (WO2020/025712)
[30] GB (1812506.2) 2018-07-31

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[13] C
[51] **Int.Cl. G06F 16/903 (2019.01)**
[25] EN
[54] **IDENTIFYING ITEMS OFFERED BY AN ONLINE CONCIERGE SYSTEM FOR A RECEIVED QUERY BASED ON A GRAPH IDENTIFYING RELATIONSHIPS BETWEEN ITEMS AND ATTRIBUTES OF THE ITEMS**
[54] **DETERMINATION DES ARTICLES OFFERTS PAR UN SYSTEME DE CONCIERGERIE EN LIGNE POUR UNE DEMANDE DE RECHERCHE RECUE EN FONCTION D'UN GRAPHIQUE DETAILLANT LES RELATIONS ENTRE LES ARTICLES ET LES ATTRIBUTS DES ARTICLES**
[72] TENNETI, TEJASWI, US
[72] SUBRAMANIAN, ADITYA, US
[72] ARCHAK, SHRIKAR, US
[72] TATE, TYLER, US
[73] MAPLEBEAR, INC. (DBA INSTACART), US
[86] (3107608)
[87] (3107608)
[22] 2021-01-29
[30] US (17/160,759) 2021-01-28

[11] **3,108,585**
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[51] **Int.Cl. C09K 23/56 (2022.01) A01N 65/08 (2009.01) A01N 65/22 (2009.01) A01N 65/26 (2009.01) B01F 21/00 (2022.01) A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL NANO-EMULSION**
[54] **NANO-EMULSION ANTIMICROBIENNE**
[72] ROOSTAEE, ALIREZA, CA
[72] PICARD-JEAN, FREDERIC, CA
[73] LABORATOIRE M2, CA
[85] 2021-02-03
[86] 2020-03-26 (PCT/CA2020/050397)
[87] (WO2020/198853)
[30] US (62/825,927) 2019-03-29

[11] **3,111,263**
[13] C
[51] **Int.Cl. A61B 5/055 (2006.01)**
[25] EN
[54] **MR SPECTROSCOPY SYSTEM AND METHOD FOR DIAGNOSING PAINFUL AND NON-PAINFUL INTERVERTEBRAL DISCS**
[54] **SYSTEME DE SPECTROSCOPIE A RESONANCE MAGNETIQUE ET METHODE DE DIAGNOSTIC DE DISQUES INTERVERTEBRAUX DOULOUREUX ET NON DOULOUREUX**
[72] PEACOCK, JAMES C., III, US
[72] CLAUDE, JOHN P., US
[72] KANE, PAUL H., US
[72] LOTZ, JEFFREY C., US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] ACLARION, INC., US
[86] (3111263)
[87] (3111263)
[22] 2010-10-14
[62] 2,814,481
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[13] C
[51] **Int.Cl. B31D 5/00 (2017.01) B60P 7/06 (2006.01) B63B 25/24 (2006.01)**
[25] EN
[54] **INFLATOR WITH AUTOMATIC SHUT-OFF FUNCTIONALITY**
[54] **GONFLEUR AVEC FONCTIONNALITE D'ARRET AUTOMATIQUE**
[72] KONANTAMBIGI, SUNIL, IN
[72] FOWLER, RYAN, ZA
[73] SIGNODE INDIA LIMITED, IN
[85] 2021-03-08
[86] 2019-08-13 (PCT/IN2019/050593)
[87] (WO2020/053876)
[30] IN (201841034471) 2018-09-12

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[51] **Int.Cl. G03G 15/08 (2006.01) G03G 21/16 (2006.01) G03G 21/18 (2006.01)**
[25] EN
[54] **DRUM CARTRIDGE AND DEVELOPING CARTRIDGE**
[54] **CARTOUCHE A TAMBOUR ET CARTOUCHE DE DEVELOPPEMENT**
[72] ITABASHI, NAO, JP
[73] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2021-03-24
[86] 2020-03-19 (PCT/JP2020/012280)
[87] (WO2020/196255)
[30] JP (2019-058548) 2019-03-26
[30] JP (2019-058546) 2019-03-26
[30] JP (2019-058547) 2019-03-26
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[51] **Int.Cl. B63B 59/08 (2006.01) B63B 59/10 (2006.01)**
[25] EN
[54] **DEVICE FOR THE CLEANING OF VESSELS**
[54] **DISPOSITIF DE NETTOYAGE DE NAVIRES**
[72] VAN ROMPAY, BOUDEWIJN GABRIEL, US
[73] VAN ROMPAY, BOUDEWIJN GABRIEL, US
[85] 2021-03-25
[86] 2019-10-01 (PCT/IB2019/058329)
[87] (WO2020/070636)
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[51] **Int.Cl. G01N 27/404 (2006.01) G01N 33/00 (2006.01)**
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[54] **DETERMINATION OF SENSOR OPERATIONAL STATUS VIA SENSOR INTERROGATION**
[54] **DETERMINATION D'ETAT DE FONCTIONNEMENT DE CAPTEUR PAR INTERROGATION DE CAPTEUR**
[72] BROWN, MICHAEL ALVIN, US
[72] DAVIS, BRIAN KEITH, US
[73] MSA TECHNOLOGY, LLC, US
[85] 2021-03-25
[86] 2019-09-27 (PCT/US2019/053458)
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[25] EN
[54] **PARTICULATE LAUNDRY SOFTENING WASH ADDITIVE**
[54] **ADDITIF DE LAVAGE ADOUCISSANT PARTICULAIRE POUR LE LINGE**
[72] CORONA, ALESSANDRO, III, US
[72] FONTAINE, MICHAEL PAUL, US
[72] JOHNSON, LENAE VIRGINIA, US
[72] PANANDIKER, RAJAN KESHAV, US
[72] SCHMITT, CHARLES L., US
[72] ZERHUSEN, JADEN SCOTT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2021-03-26
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[30] EP (18210073.5) 2018-12-04

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[51] **Int.Cl. C03C 25/16 (2006.01) B05C 3/12 (2006.01) C03C 25/20 (2006.01) C03C 25/24 (2018.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONTROLLING A QUANTITY OF BINDER RESINE THAT FOLLOWS A THREAD**
[54] **APPAREIL ET PROCEDE DE COMMANDE D'UNE QUANTITE DE RESINE LIANTE QUI SUIT UN FIL**
[72] KLEIVELAND, JOAR, NO
[72] SIE, ERLEND, NO
[73] COMROD AS, NO
[85] 2021-03-31
[86] 2019-10-04 (PCT/NO2019/050206)
[87] (WO2020/071923)
[30] NO (20181287) 2018-10-05

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[51] **Int.Cl. E04F 13/21 (2006.01) E04F 13/09 (2006.01)**
[25] EN
[54] **POLYMER-BASED BRACKET SYSTEM FOR EXTERIOR CLADDING**
[54] **SYSTEME DE SUPPORT A BASE DE POLYMERE POUR HABILLAGE EXTERIEUR**
[72] KRAUSE, MATT G., US
[73] ADVANCED ARCHITECTURAL PRODUCTS, LLC, US
[86] (3117929)
[87] (3117929)
[22] 2014-02-11
[62] 2,900,967
[30] US (13/763,915) 2013-02-11

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[25] EN
[54] **3.BETA.-(BENZYLOXY)-17.ALPHA.-METHYL-PREGN-5-EN-20-ONE FOR USE IN THE TREATMENT OF COGNITIVE DISORDERS**
[54] **3.BETA.-(BENZYLOXY)-17.ALPHA.-METHYL-PREGN-5-EN-20-ONE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE TROUBLES COGNITIFS**
[72] PIAZZA, PIER-VINCENZO, FR
[72] FABRE, SANDY, FR
[72] MONLEZUN, STEPHANIE, FR
[72] METNA, MATHILDE, FR
[72] VALLEE, MONIQUE, FR
[72] REVEST, JEAN-MICHEL, FR
[72] COTA, DANIELA, FR
[72] MARSICANO, GIOVANNI, FR
[72] MARIGHETTO, ALINE, FR
[72] OZAITA, ANDRES, ES
[72] MALDONADO, RAFAEL, ES
[73] AELIS FARMA, FR
[73] UNIVERSITE DE BORDEAUX, FR
[73] INSERM-INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[85] 2021-04-29
[86] 2019-12-18 (PCT/EP2019/085927)
[87] (WO2020/127468)
[30] EP (18306716.4) 2018-12-18

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[51] **Int.Cl. A01G 25/09 (2006.01) A01C 23/04 (2006.01) A01G 25/16 (2006.01) B05B 1/30 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR PROVIDING CONSTANT PRESSURE WITHIN AN IRRIGATION SYSTEM AT REDUCED FLOW RATES**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR FOURNIR UNE PRESSION CONSTANTE A L'INTERIEUR D'UN SYSTEME D'IRRIGATION A DES DEBITS REDUITS**
[72] GERDES, JERRY, US
[72] KASTL, JOHN, US
[73] VALMONT INDUSTRIES, INC., US
[85] 2021-05-05
[86] 2019-11-20 (PCT/US2019/062318)
[87] (WO2020/112449)
[30] US (62/771,777) 2018-11-27

[11] **3,119,143**
[13] C
[51] **Int.Cl. H05B 45/20 (2020.01) F21K 9/232 (2016.01) H05B 45/42 (2020.01)**
[25] EN
[54] **CCT SWITCHABLE ILLUMINATING DEVICE**
[54] **DISPOSITIF LUMINEUX A COMMUTATION DE TEMPERATURE DE COULEUR PROXIMALE**
[72] GAO, JIE, CN
[72] YAO, PAN, CN
[72] WANG, ZHE, CN
[73] SAVANT TECHNOLOGIES LLC, US
[86] (3119143)
[87] (3119143)
[22] 2021-05-19
[30] CN (202021505560X) 2020-07-27

[11] **3,119,335**
[13] C
[51] **Int.Cl. G01B 11/00 (2006.01) B23Q 17/20 (2006.01)**
[25] EN
[54] **OPTICAL MEASURING AND/OR PRESETTING METHOD AND OPTICAL TOOL PRESETTING AND/OR TOOL MEASURING APPARATUS**
[54] **METHODE DE MESURE ET/OU DE PREREGLAGE OPTIQUE, ET APPAREIL DE MESURE ET/OU DE PREREGLAGE D'OUTIL OPTIQUE**
[72] ZOLLER, ALEXANDER, DE
[73] E. ZOLLER GMBH & CO. KG EINSTELL-UND MESSGERAETE, DE
[86] (3119335)
[87] (3119335)
[22] 2021-05-21
[30] DE (10 2020 114 158.0) 2020-05-27

[11] **3,119,849**
[13] C
[51] **Int.Cl. A43B 17/02 (2006.01) A43B 7/22 (2006.01)**
[25] EN
[54] **FOOTWEAR KIT**
[54] **KIT D'ARTICLE CHAUSSANT**
[72] BAIRD, ANNA, AU
[73] BARED TRADING PTY LTD, AU
[85] 2021-05-13
[86] 2019-11-13 (PCT/AU2019/051250)
[87] (WO2020/097683)
[30] AU (2018101680) 2018-11-13

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[51] **Int.Cl. B61G 9/04 (2006.01) B61G 9/06 (2006.01) B61G 9/08 (2006.01) B61G 9/10 (2006.01) B61G 9/12 (2006.01) B61G 9/18 (2006.01)**
[25] EN
[54] **HYBRID CUSHIONING APPARATUS WITH DRAFT GEAR**
[54] **APPAREIL D'AMORTISSEMENT HYBRIDE POURVU D'UN DISPOSITIF DE TRACTION**
[72] SUNDE, JONATHAN, US
[72] RING, MICHAEL, US
[73] STRATO, INC., US
[85] 2021-05-25
[86] 2019-11-29 (PCT/US2019/063837)
[87] (WO2020/113150)
[30] US (16/206,097) 2018-11-30

[11] **3,121,254**
[13] C
[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **POST-MIX NOZZLE**
[54] **BUSE DE POST-MELANGE**
[72] VELOZ, SILAS, US
[72] CRACKEL, CULLEN JAMES (DECEASED), XX
[72] HECHT, THOMAS (DECEASED), XX
[73] AUTOMATIC BAR CONTROLS, INC., US
[73] VELOZ, SILAS, US
[85] 2021-05-27
[86] 2019-12-03 (PCT/US2019/064295)
[87] (WO2020/117846)
[30] US (62/774,670) 2018-12-03

[11] **3,122,132**
[13] C
[51] **Int.Cl. A24F 40/50 (2020.01)**
[25] EN
[54] **CONSTANT-POWER ELECTRONIC CIGARETTE PROTECTING AGAINST DRY-HEATING AND CONTROLLING METHOD THEREOF**
[54] **CIGARETTE ELECTRONIQUE ANTI-BRULURE A PUISSANCE CONSTANTE ET PROCEDE DE COMMANDE ASSOCIE**
[72] LIN, GUANGRONG, CN
[72] ZHENG, XIANBIN, CN
[72] ZHANG, XIYONG, CN
[73] HUIZHOU HAPPY VAPING TECHNOLOGY LIMITED, CN
[85] 2021-06-04
[86] 2019-10-24 (PCT/CN2019/112894)
[87] (WO2020/134428)
[30] CN (201811638426.4) 2018-12-29

[11] **3,122,492**
[13] C
[51] **Int.Cl. C01G 28/02 (2006.01) C22B 3/12 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **PROCEDURE FOR OBTAINING SCORODITE WITH A HIGH ARSENIC CONTENT FROM ACIDIC SOLUTIONS WITH HIGH CONTENT OF SULFURIC ACID**
[54] **PROCEDE D'OBTENTION DE SCORODITE A HAUTE TENEUR EN ARSENIC DANS DES SOLUTIONS ACIDES A HAUTE TENEUR EN ACIDE SULFURIQUE**
[72] ACUNA GOYCOLEA, MARCELO GUSTAVO, CL
[72] ROMAN ESPINOZA, ENRIQUE ANSELMO, CL
[72] PEZOA CONTE, RICARDO MIGUEL, CL
[73] ECOMETALES LIMITED, CL
[85] 2021-06-08
[86] 2019-12-22 (PCT/IB2019/061255)
[87] (WO2020/136543)
[30] US (62/784,628) 2018-12-24
[30] US (16/721,436) 2019-12-19

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[13] C
[51] **Int.Cl. A61B 17/17 (2006.01) A61B 17/15 (2006.01) A61B 17/16 (2006.01) A61F 2/42 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **JOINT REPLACEMENT ALIGNMENT GUIDES, SYSTEMS AND METHODS OF USE AND ASSEMBLY**
[54] **GUIDES D'ALIGNEMENT DE REMPLACEMENT D'ARTICULATION, SYSTEMES ET PROCEDES D'UTILISATION ET D'ASSEMBLAGE**
[72] LEE, DANIEL J., US
[73] PARAGON 28, INC., US
[85] 2021-06-08
[86] 2019-12-13 (PCT/US2019/066408)
[87] (WO2020/124055)
[30] US (62/779,436) 2018-12-13
[30] US (62/899,655) 2019-09-12
[30] US (62/899,703) 2019-09-12
[30] US (62/899,740) 2019-09-12

[11] **3,123,980**
[13] C
[51] **Int.Cl. G01T 1/20 (2006.01)**
[25] EN
[54] **GAMMA RADIATION IMAGING DEVICE AND IMAGING METHOD THEREOF**
[54] **DISPOSITIF D'IMAGERIE PAR RAYONNEMENT GAMMA ET PROCEDE D'IMAGERIE**
[72] MA, TIANYU, CN
[72] LIU, YAQIANG, CN
[72] WANG, XUEWU, CN
[72] WANG, ZHONG, CN
[73] TSINGHUA UNIVERSITY, CN
[85] 2021-06-17
[86] 2019-11-28 (PCT/CN2019/121615)
[87] (WO2020/125371)
[30] CN (201811559943.2) 2018-12-19

[11] **3,124,010**
[13] C
[51] **Int.Cl. C10G 45/64 (2006.01) B01J 29/00 (2006.01) C10G 65/04 (2006.01)**
[25] EN
[54] **CATALYTIC DEWAXING OF HYDROCARBON FEEDSTOCKS**
[54] **DEPARAFFINAGE CATALYTIQUE DE CHARGES DE DEPART HYDROCARBONEES**
[72] GATT, JOSEPH E., US
[72] LONERGAN, WILLIAM W., US
[72] WEIGEL, SCOTT J., US
[72] JOHNSON, IVY D., US
[72] STROHMAIER, KARL G., US
[72] WESTON, SIMON C., US
[73] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2021-06-17
[86] 2019-12-10 (PCT/US2019/065437)
[87] (WO2020/131492)
[30] US (62/783,433) 2018-12-21

[11] **3,124,792**
[13] C
[51] **Int.Cl. C08C 19/06 (2006.01) C08C 19/14 (2006.01) C08C 19/32 (2006.01)**
[25] EN
[54] **MODIFIED (CO)POLYMER, METHOD FOR PREPARING THEREOF AND USE OF THE SAME**
[54] **(CO)POLYMERE MODIFIE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] GUSTYAKOVA, SVETLANA IGOREVNA, RU
[72] POPOVTSEV, EGOR EVGENIEVICH, RU
[73] PUBLIC JOINT STOCK COMPANY "SIBUR HOLDING", RU
[85] 2021-06-23
[86] 2018-12-27 (PCT/RU2018/000885)
[87] (WO2020/139110)

[11] **3,125,080**
[13] C
[51] **Int.Cl. F41A 17/06 (2006.01) F41A 17/46 (2006.01) F41A 17/54 (2006.01) F41A 17/64 (2006.01) F41A 17/74 (2006.01)**
[25] EN
[54] **SAFETY LOCK MECHANISMS FOR PORTABLE WEAPONS, INCLUDING CROSSBOWS AND FIREARMS, SUCH AS GUNS, RIFLES AND ALIKE**
[54] **MECANISMES DE VERROUILLAGE DE SECURITE POUR ARMES PORTATIVES, NOTAMMENT ARBALETES ET ARMES A FEU, TELS QUE DES FUSILS, DES CARABINES ET ANALOGUES**
[72] SONG, JIUHONG, CA
[72] LIU, XINTING, CN
[73] SONG, JIUHONG, CA
[85] 2021-06-25
[86] 2019-03-29 (PCT/IB2019/000326)
[87] (WO2020/201788)

[11] **3,126,276**
[13] C
[51] **Int.Cl. B65G 1/137 (2006.01) B07C 5/36 (2006.01) B65G 47/52 (2006.01) B65G 47/82 (2006.01) G06Q 10/087 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SEPARATING OBJECTS USING A VACUUM ROLLER WITH ONE OR MORE OBJECT PROCESSING SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE SEPARER D'OBJETS A L'AIDE D'UN ROULEAU VIDE AVEC UN OU PLUSIEURS SYSTEMES DE TRAITEMENT D'OBJETS**
[72] WAGNER, THOMAS, US
[72] MASON, MATTHEW T., US
[72] GEYER, CHRISTOPHER, US
[72] MARONEY, KYLE, US
[72] ROMANO, JOSEPH, US
[72] HINCHEY, VICTORIA, US
[72] KITTREDGE, JEFFREY, US
[72] GAUTHIER, ANDREW, US
[72] KUMAR, LAKSHMAN, US
[72] VELAGAPUDI, PRASANNA, US
[72] AMEND, JOHN RICHARD JR., US
[73] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2021-07-08
[86] 2020-01-08 (PCT/US2020/012704)
[87] (WO2020/146472)
[30] US (62/789,775) 2019-01-08
[30] US (62/884,351) 2019-08-08
[30] US (16/543,105) 2019-08-16
[30] US (16/661,820) 2019-10-23

[11] **3,126,543**
[13] C
[51] **Int.Cl. B01D 21/00 (2006.01) B01D 17/02 (2006.01) B01D 21/24 (2006.01)**
[25] EN
[54] **FATS, OIL AND GREASE COLLECTION**
[54] **COLLECTE DE MATIERES GRASSES, D'HUILES ET DE GRAISSES**
[72] CLEMES, CHRISTOPHER CHARLES, GB
[73] ECO CLARITY LTD., GB
[85] 2021-07-12
[86] 2020-01-16 (PCT/IB2020/050334)
[87] (WO2020/148695)
[30] ZA (2018/04718) 2019-01-16

[11] **3,127,056**
[13] C
[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/40 (2012.01) G06V 40/16 (2022.01)**
[25] EN
[54] **METHOD, DEVICE AND STORAGE MEDIUM FOR FACE RECOGNITION PAYMENT**
[54] **METHODE, DISPOSITIF ET SUPPORT DE STOCKAGE POUR UN PAIEMENT PAR RECONNAISSANCE FACIALE**
[72] GU, JIAXIU, CN
[72] CHEN, DANFENG, CN
[73] 10353744 CANADA LTD., CA
[86] (3127056)
[87] (3127056)
[22] 2021-09-17

[11] **3,127,545**
[13] C
[51] **Int.Cl. H04N 19/597 (2014.01) H04N 19/17 (2014.01) H04N 19/182 (2014.01) H04N 13/128 (2018.01) H04N 13/271 (2018.01) H04N 13/351 (2018.01)**
[25] EN
[54] **LAYERED SCENE DECOMPOSITION CODEC SYSTEM AND METHODS**
[54] **SYSTEME ET PROCEDES DE CODEC DE DECOMPOSITION DE SCENE EN COUCHES**
[72] HAMILTON, MATTHEW, CA
[72] RUMBOLT, CHUCK, CA
[72] BENOIT, DONOVAN, CA
[72] TROKE, MATTHEW, CA
[72] LOCKYER, ROBERT, CA
[72] BUTYN, THOMAS, CA
[73] AVALON HOLOGRAPHICS INC., CA
[85] 2021-07-22
[86] 2020-02-22 (PCT/CA2020/050228)
[87] (WO2020/181360)
[30] US (62/809,390) 2019-02-22

[11] **3,129,640**
[13] C
[51] **Int.Cl. C08J 7/06 (2006.01) H01B 1/12 (2006.01)**
[25] EN
[54] **METHOD FOR HYDROPHILISING A SEMI-FINISHED ELEMENT AND ELECTRODE ELEMENT, BIPOLAR ELEMENT OR HEAT EXCHANGER ELEMENT MANUFACTURED THEREFROM**
[54] **PROCEDE D'HYDROPHILISATION D'UN ELEMENT SEMI-FINI ET ELEMENT D'ELECTRODE, ELEMENT BIPOLAIRE OU ELEMENT D'ECHANGEUR DE CHALEUR AINSI PRODUIT**
[72] KOPIETZ, LUKAS, DE
[72] BURFEIND, JENS, DE
[72] DOETSCH, CHRISTIAN, DE
[72] GREVE, ANNA, DE
[72] SCHWERDT, PETER, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2021-08-10
[86] 2020-02-13 (PCT/EP2020/053710)
[87] (WO2020/165314)
[30] DE (10 2019 103 542.2) 2019-02-13

[11] **3,130,171**
[13] C
[51] **Int.Cl. A61K 31/135 (2006.01) A61K 9/06 (2006.01) A61K 47/38 (2006.01) A61P 25/04 (2006.01)**
[25] FR
[54] **TOPICAL PHARMACEUTICAL COMPOSITION IN THE FORM OF AN AQUEOUS GEL COMPRISING AT LEAST AMITRIPTYLINE**
[54] **COMPOSITION PHARMACEUTIQUE TOPIQUE SOUS FORME DE GEL AQUEUX COMPRENANT AU MOINS DE L'AMITRIPTYLINE**
[72] PRINCIPE NICOLAS, PAOLA, FR
[72] LALLEMAND, FREDERIC, FR
[72] THIROLOIX, STEPHANE, FR
[73] ALGOTHERAPEUTIX, FR
[85] 2021-09-08
[86] 2021-03-31 (PCT/EP2021/058518)
[87] (WO2021/204634)
[30] FR (2003425) 2020-04-06

[11] **3,130,215**
[13] C
[51] **Int.Cl. B25J 9/16 (2006.01) G06T 7/70 (2017.01) B25J 19/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS UNKNOWN OBJECT PICK AND PLACE**
[54] **SAISIE ET MISE EN PLACE D'UN OBJET INCONNU AUTONOME**
[72] CHAVEZ, KEVIN, JOSE, US
[72] SUN, ZHOUWEN, US
[72] PIDAPARTHI, ROHIT, ARKA, US
[72] MORRIS-DOWNING, TALBOT, US
[72] SU, HARRY, ZHE, US
[72] POTTAYIL, BEN VARKEY, BENJAMIN, US
[72] MENON, SAMIR, US
[73] DEXTERITY, INC., US
[85] 2021-08-12
[86] 2020-03-31 (PCT/US2020/025916)
[87] (WO2020/205837)
[30] US (62/829,969) 2019-04-05
[30] US (16/834,115) 2020-03-30

[11] **3,130,500**
[13] C
[51] **Int.Cl. C04B 35/571 (2006.01) B29C 64/129 (2017.01) B29C 64/135 (2017.01) B33Y 70/10 (2020.01)**
[25] EN
[54] **MODIFIED POLYMER DERIVED CERAMICS FOR ADDITIVE MANUFACTURING, ADDITIVE MANUFACTURING USING SAME, AND CERAMIC BODIES MANUFACTURED THEREBY**
[54] **POLYMERE PRECERAMIQUE MODIFIE POUR FABRICATION ADDITIVE, FABRICATION ADDITIVE L'UTILISANT, ET CORPS CERAMIQUES AINSI FABRIQUES**
[72] FISHER, BENJAMIN D., US
[72] SALASIN, JOHN R., US
[73] BWXT ADVANCED TECHNOLOGIES LLC, US
[85] 2021-09-14
[86] 2020-03-31 (PCT/US2020/025950)
[87] (WO2020/205856)
[30] US (62/827,372) 2019-04-01
[30] US (16/835,398) 2020-03-31

[11] **3,130,569**
[13] C
[51] **Int.Cl. C07C 29/09 (2006.01) C07C 31/20 (2006.01) C07C 51/09 (2006.01) C07C 59/08 (2006.01) C07C 63/26 (2006.01) C08L 31/08 (2006.01)**
[25] EN
[54] **DEGRADATION OF PLASTIC MATERIALS INTO TEREPHTHALIC ACID (TPA), ETHYLENE GLYCOL AND/OR OTHER MONOMERS THAT FORM THE PLASTIC MATERIALS**
[54] **DEGRADATION DE MATIERES PLASTIQUES EN ACIDE TEREPHTALIQUE (TPA), ETHYLENE GLYCOL ET/OU AUTRES MONOMERES QUI FORMENT LES MATIERES PLASTIQUES**
[72] ANDERSON, SAMANTHA LYNN, CH
[72] IRELAND, CHRISTOPHER PATRICK, CH
[72] SMIT, BEREND, CH
[72] STYLIANOU, KYRIAKOS, CH
[73] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2021-08-17
[86] 2020-02-25 (PCT/EP2020/054942)
[87] (WO2020/173961)
[30] EP (19159827.5) 2019-02-27

[11] **3,130,933**
[13] C
[51] **Int.Cl. G08B 13/00 (2006.01) G08B 13/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR SMART INTRUSION DETECTION USING WIRELESS SIGNALS AND ARTIFICIAL INTELLIGENCE**
[54] **SYSTEME ET PROCEDES DE DETECTION INTELLIGENTE D'INTRUSION A L'AIDE DE SIGNAUX SANS FIL ET D'INTELLIGENCE ARTIFICIELLE**
[72] GHOURCHIAN, NEGAR, CA
[72] ALLEGUE MARTINEZ, MICHEL, CA
[73] AERIAL TECHNOLOGIES INC., CA
[86] (3130933)
[87] (3130933)
[22] 2017-05-31
[62] 3,026,740
[30] US (62/347,217) 2016-06-08

[11] **3,132,544**
[13] C
[51] **Int.Cl. A61K 8/34 (2006.01) A61Q 5/02 (2006.01) A61Q 5/06 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR DEVELOPING HAIR COLOR COMPRISING TRIHYDROXYBENZENE**
[54] **COMPOSITION POUR PREPARER UNE COULEUR DE CHEVEUX COMPORTANT UN TRIHYDROXYBENZENE**
[72] LEE, HAESHIN, KR
[72] LEE, DAIHEON, KR
[72] BAE, HEUNGJIN, KR
[73] KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
[73] MODAMODA CO., LTD., KR
[85] 2021-09-29
[86] 2021-07-16 (PCT/KR2021/009197)
[87] (WO2023/282376)
[30] KR (10-2021-0089820) 2021-07-08

[11] **3,132,581**
[13] C
[51] **Int.Cl. C12N 15/11 (2006.01) C12Q 1/6888 (2018.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING WHETHER ORGANISM HAVING CELL WALL EXISTS AND METHOD FOR IDENTIFYING ORGANISM HAVING CELL WALL**
[54] **PROCEDE POUR DETERMINER SI UN ORGANISME AYANT UNE PAROI CELLULAIRE EXISTE ET PROCEDE POUR IDENTIFIER UN ORGANISME AYANT UNE PAROI CELLULAIRE**
[72] FUJII, RYOTA, JP
[73] MITSUI CHEMICALS, INC., JP
[85] 2021-09-03
[86] 2020-03-04 (PCT/JP2020/009198)
[87] (WO2020/179823)
[30] JP (2019-038910) 2019-03-04

[11] **3,133,814**
[13] C
[51] **Int.Cl. C07F 15/00 (2006.01) B01J 37/08 (2006.01) C07F 9/52 (2006.01) C07F 9/655 (2006.01) C07F 9/6571 (2006.01)**
[25] EN
[54] **BUTADIENE TELOMERIZATION CATALYST PRECURSOR PREPARATION**
[54] **PREPARATION DE PRECURSEUR DE CATALYSEUR DE TELOMERISATION DU BUTADIENE**
[72] LAUNAY, HELENE N., BE
[72] KLINKENBERG, JESSICA L., US
[72] BRIGGS, JOHN R., US
[72] HOUSE, SARAH E., US
[72] VAN ENGELEN, MARCEL C., NL
[72] WRIGHT, LARRY G., US
[72] BAR, GEORG, DE
[72] HANSEN, WILMA, US
[72] FUERTES CABELLO, JULIA, BE
[72] LENGYEL, ISTVAN, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[86] (3133814)
[87] (3133814)
[22] 2014-12-04
[62] 2,933,342
[30] US (61/915,781) 2013-12-13

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[13] C
[51] **Int.Cl. E02B 17/08 (2006.01) B66F 3/30 (2006.01) E02D 35/00 (2006.01) E04B 1/35 (2006.01) E04C 3/10 (2006.01) E04G 21/12 (2006.01)**
[25] EN
[54] **METHOD OF CONSTRUCTING A BUILDING, AND A BUILDING CONSTRUCTION SYSTEM THEREFOR**
[54] **PROCEDE DE CONSTRUCTION DE BATIMENT ET SYSTEME DE CONSTRUCTION DE BATIMENT ASSOCIE**
[72] HOUSTON, STEPHEN T., US
[72] BENVENUTO, JOSEPH MICHAEL, US
[72] STAKHIV, YAROSLAV, US
[73] BIG TIME INVESTMENT, LLC, US
[85] 2021-09-23
[86] 2020-03-19 (PCT/US2020/023675)
[87] (WO2020/205267)
[30] US (16/370,085) 2019-03-29

[11] **3,134,958**
[13] C
[51] **Int.Cl. B65H 75/44 (2006.01) H02G 11/02 (2006.01)**
[25] EN
[54] **COMPACT WINDING DEVICE FOR A FLEXIBLE LINE**
[54] **DISPOSITIF D'ENROULEMENT COMPACT POUR UNE CONDUITE FLEXIBLE**
[72] THEISS, GEORG, DE
[73] IGUS GMBH, DE
[85] 2021-09-24
[86] 2020-04-01 (PCT/EP2020/059242)
[87] (WO2020/201348)
[30] DE (20 2019 101 862.3) 2019-04-01

[11] **3,135,045**
[13] C
[51] **Int.Cl. B65G 43/02 (2006.01) B65G 43/00 (2006.01) G10L 25/84 (2013.01) G01M 13/045 (2019.01) G01D 1/18 (2006.01) G01D 21/02 (2006.01) G01M 13/04 (2019.01)**
[25] EN
[54] **STORAGE AND PICKING SYSTEM, MOBILE MEASUREMENT-VALUE ACQUISITION UNIT AND METHOD FOR IMPROVED ACQUISITION OF MEASUREMENT VALUES IN THE STORAGE AND PICKING SYSTEM**
[54] **SYSTEME D'ENTREPOSAGE ET DE PREPARATION DE COMMANDES, UNITE MOBILE D'ACQUISITION DE VALEURS MESUREES ET PROCEDE D'ACQUISITION AMELIOREE DE VALEURS MESUREES DANS UN SYSTEME D'ENTRE POSAGE ET DE PREPARATION DE COMMANDES**
[72] GAGGL, MARKUS, AT
[72] MAHRINGER, THOMAS, AT
[72] SCHROPF, HARALD, AT
[73] TGW LOGISTICS GROUP GMBH, AT
[85] 2021-09-27
[86] 2020-04-16 (PCT/AT2020/060154)
[87] (WO2020/210852)
[30] AT (A 50345/2019) 2019-04-16

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[13] C
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[54] **COMPOSITIONS D'ACIDES AMINES ET UTILISATIONS ASSOCIEES**
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[72] GUPTA, RESHU, US
[72] YIN, LIANJIE, US
[72] GROSCHE, ASTRID, US
[72] OKUNIEFF, PAUL GERSON, US
[72] GATTO, STEPHEN, US
[72] DENNISON, DANIEL, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[73] AMILYFE, LLC, US
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[54] **SYRINGE BASED FLUID DIVERSION MECHANISM FOR BODILY-FLUID SAMPLING**
[54] **MECANISME DE DEVIATION DE FLUIDE PAR UNE SERINGUE POUR L'ECHANTILLONNAGE DE LIQUIDE ORGANIQUE**
[72] BULLINGTON, GREGORY J., US
[72] PATTON, RICHARD G., US
[72] GAW, SHAN E., US
[73] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
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[54] **SYSTEM AND METHOD FOR TRANSMITTING DATA WITHIN AN IRRIGATION SYSTEM**
[54] **SYSTEME ET PROCEDE DE TRANSMISSION DE DONNEES DANS UN SYSTEME D'IRRIGATION**
[72] THATCHER, TRACY A., US
[72] KASTL, JOHN, US
[73] VALMONT INDUSTRIES, INC., US
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[54] **FAULT TOLERANT ROTATING ELECTRIC MACHINE**
[54] **MACHINE ELECTRIQUE ROTATIVE TOLERANTE AUX DEFAILLANCES**
[72] RITCHEY, JONATHAN GALE, CA
[73] DPM TECHNOLOGIES INC., CA
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[54] **METHOD AND DEVICE FOR ELIMINATING OFFSET OF FLUXGATE MAGNETOMETER**
[54] **METHODE ET DISPOSITIF POUR ELIMINER LE DECALAGE D'UN MAGNETOMETRE A VANNE DE FLUX**
[72] YUAN, KAIXIN, CN
[72] DU, AIMING, CN
[72] ZHANG, YING, CN
[72] ZHAO, LIN, CN
[72] SUN, SHUQUAN, CN
[72] FENG, XIAO, CN
[72] LI, ZHI, CN
[73] INSTITUTE OF GEOLOGY AND GEOPHYSICS, CHINESE ACADEMY OF SCIENCES, CN
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[54] **METHODS AND APPARATUS FOR LOAD SHEDDING**
[54] **METHODES ET APPAREIL DE DELESTAGE DE CHARGES**
[72] TUBMAN, ANDREW, CA
[72] O'DONNELL, KEVIN, CA
[73] SHOPIFY INC., CA
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[54] **SATELLITE POUR LA DIFFUSION DE DONNEES DE HAUTE PRECISION**
[72] REID, TYLER GERALD RENE, CA
[72] GUNNING, KAZUMA, US
[72] PERKINS, ADRIEN LOUIS HENRY, US
[72] NEISH, ANDREW MICHAEL, US
[73] XONA SPACE SYSTEMS INC., US
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[54] **DIPPER DOOR AND DIPPER DOOR TRIP ASSEMBLY**
[54] **PORTE DE GODET DE PELLE EN BUTTE ET ENSEMBLE DE DECLENCHEMENT D'UNE TEL E PORTE**
[72] GROSS, MATTHEW L., US
[72] NICOSON, RICHARD, US
[72] COLWELL, JOSEPH J., US
[73] JOY GLOBAL SURFACE MINING INC, US
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[54] **ARMORED OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES ARME**
[72] SANDATE AGUILAR, MARIO SERGIO, MX
[72] GIMBLET, MICHAEL JOHN, US
[72] GREENWOOD, JULIAN LATELLE, III, US
[72] MCALPINE, WARREN WELBORN, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
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[54] **SYSTEM AND METHOD FOR DELIVERING PULSED ELECTRIC CURRENT TO LIVING TISSUE**
[54] **SYSTEME ET PROCEDE POUR ADMINISTRER UN COURANT ELECTRIQUE PULSE A UN TISSU VIVANT**
[72] CROSSON, JOHN, US
[73] TRUERELIEF LLC, US
[85] 2021-12-09
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[54] **DEVICE FOR CLEANING WALKABLE SURFACES**
[54] **DISPOSITIF POUR NETTOYAGE DES SURFACES PIETONNES**
[72] MORO, GIANPIETRO, IT
[72] MORO, ANDREA, IT
[73] TECHNOLOGICAL SYSTEMS BY MORO S.R.L., IT
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[54] **SUPPORTING STOP FOR AGRICULTURAL EQUIPMENT AND AGRICULTURAL EQUIPMENT**
[54] **BUTEE DE SUPPORT POUR UN APPAREIL AGRICOLE ET APPAREIL AGRICOLE**
[72] JACOMINE, SEBASTIAO ANTONIO, BR
[72] GALHARDI, CARLOS CESAR, BR
[73] MARCHESAN IMPLEMENTOS E MAQUINAS AGRICOLAS TATU S.A., BR
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[54] **EVALUATION DU MOUVEMENT D'UN SUJET**
[72] TEN KATE, WARNER RUDOLPH THEOPHILE, NL
[73] LIFELINE SYSTEMS COMPANY, US
[85] 2021-12-06
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[54] **STABILIZED LIQUID CONCENTRATE COMPOSITION**
[54] **COMPOSITION DE CONCENTRE LIQUIDE STABILISEE**
[72] QUINLAN, MARY ELIZABETH, GB
[72] TIEDEMANN, SVEN, DE
[72] SIEGFELD, CHUN JENNY, DE
[73] TATE & LYLE SOLUTIONS USA LLC, US
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[54] **CHAUSSURE IMPERMEABLE A L'EAU ET PERMEABLE A L'HUMIDITE AYANT UNE TIGE D'APPARENCE POUVANT ETRE CHANGEE**
[72] WANG, SZU-KAI, TW
[73] VESSI FOOTWEAR LTD., CA
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[54] **WASHOUT PREVENTION ELEMENT FOR EXPANDABLE METAL SEALING ELEMENTS**
[54] **ELEMENT DE PREVENTION D'ECOULEMENT POUR ELEMENTS METALLIQUES EXPANSIBLES D'ETANCHEITE**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[72] ABEIDOH, ABDEL HAMID R, US
[72] PELTO, CHRISTOPHER MICHAEL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **ZINC COMPOUNDS IN FOOD IMMERSION APPLICATIONS**
[54] **COMPOSES DE ZINC DANS DES APPLICATIONS D'IMMERSION D'ALIMENTS**
[72] PERRY, LINDSEY, US
[72] COLEMAN, TODD, US
[72] PARSONS, KATE, US
[73] SAFE FOODS CORPORATION, US
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[54] **CIRCUIT BOARD WITH SENSOR CONTROLLED LIGHTS AND END-TO-END CONNECTION**
[54] **CARTE DE CIRCUITS IMPRIMES COMPRENANT DES LUMIERES CONTROLEES PAR CAPTEUR ET UNE CONNEXION DE BOUT EN BOUT**
[72] KUTER-ARNEBECK, OTTOLEO, US
[72] WEIR, NICHOLAS H., US
[72] SCHULZ, BEN, US
[72] HANSEN, STEVEN K., US
[72] KAHL, ROBERT F., US
[73] SNAP-ON INCORPORATED, US
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[54] **EXTENSION FOR TARGETED INVALIDATION OF CACHED ASSETS**
[54] **EXTENSION POUR INVALIDATION CIBLEE D'ACTIFS MIS EN CACHE**
[72] NEWTON, CHRISTOPHER, US
[73] NETFLIX, INC., US
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[54] **SAMPLE PREPARATION DEVICE**
[54] **DISPOSITIF DE PREPARATION D'ECHANTILLONS**
[72] HAWORTH, DANIEL, NICHOLAS, GB
[72] PALMER-FELGATE, JOHN, PAUL, GB
[73] ABBOTT DIAGNOSTICS SCARBOROUGH, INC., US
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[54] **FLUID COLLECTION DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE FLUIDES**
[72] JOHANNES, ASHLEY MARIE, US
[72] CHALLA, PRANAV, US
[73] PUREWICK CORPORATION, US
[85] 2022-01-07
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[54] **CRYSTALLINE FORM OF ATR INHIBITOR AND USE THEREOF**
[54] **FORME CRISTALLINE D'UN INHIBITEUR D'ATR ET SON UTILISATION**
[72] WANG, JIAN, CN
[72] YAO, TING, CN
[72] QIAN, WENYUAN, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[73] WUXI BIOCITY BIOPHARMACEUTICS CO., LTD., CN
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[54] **FIBRE POLYMERE SYNTHETIQUE BIODEGRADABLE**
[72] BENADDI, HAMID, CA
[73] DUVALTEX INC., CA
[86] (3148189)
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[22] 2022-02-07
[30] US (63/146,005) 2021-02-05

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[25] EN
[54] **BACKLIGHT SCATTERING ELEMENT, MULTIVIEW DISPLAY, AND METHOD HAVING HIGH-INDEX LIGHT GUIDE LAYER**
[54] **ELEMENT DE DIFFUSION DE RETROECLAIRAGE, DISPOSITIF D'AFFICHAGE A VUES MULTIPLES ET PROCEDE AYANT UNE COUCHE DE GUIDAGE DE LUMIERE A INDICE ELEVE**
[72] FATTAL, DAVID A., US
[72] MA, MING, US
[72] LOWNEY, JOSEPH D., US
[73] LEIA INC., US
[85] 2022-01-25
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[25] EN
[54] **DRUG COMPOSITION CONTAINING ABIRATERONE ACETATE, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **COMPOSITION DE MEDICAMENT CONTENANT DE L'ACETATE D'ABIRATERONE, SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] YI, MULIN, CN
[73] HUNAN HUIZE BIO-PHARMACEUTICAL CO., LTD, CN
[85] 2022-02-24
[86] 2020-05-18 (PCT/CN2020/090866)
[87] (WO2021/057042)
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[51] **Int.Cl. G01J 3/02 (2006.01)**
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[54] **METHODS AND ASSEMBLIES FOR DETERMINING AND USING STANDARDIZED SPECTRAL RESPONSES FOR CALIBRATION OF SPECTROSCOPIC ANALYZERS**
[54] **METHODES ET ASSEMBLAGES POUR DETERMINER ET UTILISER DES REPONSES SPECTRALES NORMALISEES POUR L'ETALONNAGE D'ANALYSEURS SPECTROSCOPIQUES**
[72] BLEDSOE, ROY ROGER JR., US
[72] CAMPBELL, LANCE T., US
[72] RIDGE, RANDY N., US
[72] WILT, BRIAN K., US
[73] MARATHON PETROLEUM COMPANY LP, US
[86] (3150181)
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[22] 2022-02-25
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[25] EN
[54] **COOLING SYSTEM FOR SURGICAL DEVICE**
[54] **SYSTEME DE REFROIDISSEMENT POUR DISPOSITIF CHIRURGICAL**
[72] SENNESS, CHARLES, US
[72] BACHMAN, TIM, US
[72] SPRAIN, JASON WILLIAM, US
[72] BABCOCK, DENNIS, US
[72] CHAN, LUAN, US
[72] MISIAK, MACIEJ WOJCIECH, US
[72] TAN, WINSTON, US
[72] GOULET, MATTHEW, US
[72] ZACHMAN, ANDREW KEVIN, US
[72] ERNSTER, LOGAN, US
[73] BIOCOMPATIBLES UK LIMITED, GB
[85] 2022-02-07
[86] 2020-08-07 (PCT/US2020/045439)
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[25] EN
[54] **LIC MODULE**
[54] **MODULE LIC**
[72] OHNO, TATSUYA, JP
[72] ONODERA, TATSUYA, JP
[72] HINO, TAKENORI, JP
[72] KUJIME, YASUNORI, JP
[72] HARADA, YOSHITERU, JP
[72] EZAKI, HIDEAKI, JP
[72] HAYASHI, MASATO, JP
[72] LAMINETTE, ANTOINE, CA
[72] LINDSTROM, JEREMY, CA
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
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[54] **DUAL STAGE CRYOCOOLER**
[54] **CRYOREFRIGERATEUR DOUBLE ETAGE**
[72] RAMADHYANI, SATISH, US
[72] KVEEN, GRAIG, US
[72] NATESAN, HARISHANKAR, US
[73] BIOCOMPATIBLES UK LIMITED, GB
[85] 2022-02-14
[86] 2020-08-14 (PCT/US2020/046464)
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[30] US (62/886,853) 2019-08-14

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[51] **Int.Cl. A01G 25/16 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR PROVIDING A SOLAR PUMP SYSTEM FOR USE WITHIN A MECHANIZED IRRIGATION SYSTEM**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR FOURNIR UN SYSTEME DE POMPE SOLAIRE DESTINE A ETRE UTILISE DANS UN SYSTEME D'IRRIGATION MECANISEE**
[72] STROMP, DANIEL J., US
[73] VALMONT INDUSTRIES, INC., US
[85] 2022-03-14
[86] 2020-12-03 (PCT/US2020/062999)
[87] (WO2021/118852)
[30] US (62/947,040) 2019-12-12

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[25] EN
[54] **ANODE MATERIAL AND METHOD FOR PRODUCING SAME**
[54] **MATERIAU D'ANODE ET SON PROCEDE DE PRODUCTION**
[72] CAPIGLIA, CLAUDIO, JP
[73] TALGA TECHNOLOGIES LIMITED, GB
[85] 2022-03-24
[86] 2020-09-24 (PCT/IB2020/058910)
[87] (WO2021/059171)
[30] AU (2019903561) 2019-09-24
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[51] **Int.Cl. G06F 21/57 (2013.01)**
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[54] **LINK-BASED RISK USER IDENTIFICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'IDENTIFICATION D'UTILISATEUR A RISQUE SUR LA BASE DE LIENS**
[72] WANG, CHUANDUI, CN
[72] YE, GUOHUA, CN
[72] LIU, JIAJIN, CN
[72] YAO, LIFEI, CN
[72] WU, LIANG, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-02-28
[86] 2020-06-24 (PCT/CN2020/097855)
[87] (WO2021/036455)
[30] CN (201910808683.6) 2019-08-29

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[13] C
[51] **Int.Cl. D21C 1/00 (2006.01) D21B 1/22 (2006.01) D21C 7/06 (2006.01) D21D 1/30 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR MACERATING A MATERIAL TO BE CONVEYED**
[54] **DISPOSITIF ET PROCEDE DE MACERATION D'UN MATERIAU A TRANSPORTER**
[72] ULM, DIETMAR, AT
[73] ANDRITZ AG, AT
[85] 2022-04-12
[86] 2020-08-18 (PCT/EP2020/073045)
[87] (WO2021/104691)
[30] AT (A 51015/2019) 2019-11-25

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[51] **Int.Cl. H02K 7/06 (2006.01) H04N 21/414 (2011.01) A47C 1/12 (2006.01) A47C 7/00 (2006.01) G09B 9/00 (2006.01)**
[25] EN
[54] **LINEAR ACTUATOR FOR MOTION SIMULATOR**
[54] **ACTIONNEUR LINEAIRE POUR SIMULATEUR DE MOUVEMENT**
[72] GAGNON, STEPHAN, CA
[73] D-BOX TECHNOLOGIES INC., CA
[85] 2022-03-16
[86] 2020-09-23 (PCT/CA2020/051272)
[87] (WO2021/056103)
[30] US (62/904,191) 2019-09-23
[30] US (63/040,939) 2020-06-18

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[13] C
[51] **Int.Cl. B65D 51/20 (2006.01) A61J 1/14 (2006.01) B65D 41/32 (2006.01)**
[25] EN
[54] **TAMPER EVIDENT PLASTIC CLOSURE FOR VIALS FOR STORING SUBSTANCES FOR MEDICAL OR PHARMACEUTICAL APPLICATIONS AND USE THEREOF**
[54] **FERMETURE PLASTIQUE A ALTERATION EVIDENTE POUR DES FIOLES SERVANT A STOCKER DES SUBSTANCES D'APPLICATIONS MEDICALES ET PHARMACEUTIQUES, ET UTILISATION CONNEXE**
[72] DADACHANJI, RISHAD KAIRUS, IN
[72] PATEL, KEYURKUMAR ARVINDBHAI, IN
[73] KAISHA PACKAGING PRIVATE LTD., IN
[86] (3155530)
[87] (3155530)
[22] 2022-04-19
[30] IN (202121020675) 2021-05-06

[11] **3,155,775**
[13] C
[51] **Int.Cl. A22C 21/00 (2006.01) A22C 17/04 (2006.01)**
[25] EN
[54] **DEBONER FOR POULTRY PARTS**
[54] **DESOSSEUSE A PIECES DE VOLAILLE**
[72] ANDEWEG, PETER MARTIN, NL
[73] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL
[86] (3155775)
[87] (3155775)
[22] 2022-04-12
[30] NL (2027999) 2021-04-16

[11] **3,155,792**
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[51] **Int.Cl. C09D 133/14 (2006.01) C09D 7/43 (2018.01) C09D 7/61 (2018.01) C09D 7/62 (2018.01) B05D 1/36 (2006.01) B05D 5/06 (2006.01) B05D 7/24 (2006.01) C09D 5/29 (2006.01)**
[25] EN
[54] **AQUEOUS COATING COMPOSITION, COATED ARTICLE, AND METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **COMPOSITION DE REVETEMENT AQUEUSE, ARTICLE REVETU ET METHODE DE FORMATION D'UN FILM DE REVETEMENT MULTICOUCHE**
[72] SAKAI, KENJI, JP
[72] NARITA, NOBUHIKO, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2022-04-22
[86] 2020-11-11 (PCT/JP2020/042037)
[87] (WO2021/095760)
[30] JP (2019-205552) 2019-11-13
[30] JP (2019-238571) 2019-12-27

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[51] **Int.Cl. C08G 63/12 (2006.01) C08G 63/183 (2006.01) C08L 67/03 (2006.01)**
[25] EN
[54] **POLYESTER POLYMER AND POLYESTER-BASED HEAT RESISTANT COATING FOR COOKWARE OR BAKEWARE**
[54] **POLYMERE DE POLYESTER ET REVETEMENT RESISTANT A LA CHALEUR A BASE DE POLYESTER POUR CASSEROLES OU PLATS**
[72] JEPSON, PETER R., US
[72] BATE, THOMAS J., US
[72] DAFFERN, DAVID, CA
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2022-04-25
[86] 2020-10-23 (PCT/US2020/056990)
[87] (WO2021/081285)
[30] US (62/925,928) 2019-10-25

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[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/16 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **CENTRALIZING FEATURES IN ELECTRICAL SUBMERSIBLE PUMP**
[54] **ELEMENTS DE CENTRALISATION DANS UNE POMPE ELECTRIQUE SUBMERSIBLE**
[72] YE, ZHENG, US
[72] FORSBERG, MICHAEL, US
[72] RUTTER, RISA, US
[72] WILLIAMS, BRETT T., US
[73] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-04-29
[86] 2020-11-06 (PCT/US2020/059469)
[87] (WO2021/092430)
[30] US (62/933,131) 2019-11-08
[30] US (17/091,686) 2020-11-06

[11] **3,156,854**
[13] C
[51] **Int.Cl. H04N 19/70 (2014.01)**
[25] EN
[54] **AN ENCODER, A DECODER AND CORRESPONDING METHODS**
[54] **CODEUR, DECODEUR ET PROCEDES CORRESPONDANTS**
[72] MA, XIANG, CN
[72] YANG, HAITAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-04-05
[86] 2020-09-30 (PCT/CN2020/119696)
[87] (WO2021/068854)
[30] US (62/912,046) 2019-10-07

[11] **3,156,859**
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[51] **Int.Cl. A61K 8/66 (2006.01) A45D 40/26 (2006.01) A61K 8/02 (2006.01) A61M 35/00 (2006.01) A61P 17/02 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **FORMULATION FOR TOPICAL APPLICATION TO THE SKIN OR MUCOUS MEMBRANES**
[54] **FORMULATION POUR UNE APPLICATION TOPIQUE SUR LA PEAU OU LES MUQUEUSES**
[72] SEBBAN, SANDRINE, FR
[73] SOFT MEDICAL AESTHETICS SAS, FR
[85] 2022-03-21
[86] 2020-09-25 (PCT/EP2020/076913)
[87] (WO2021/058748)
[30] FR (FR1910660) 2019-09-26

[11] **3,157,035**
[13] C
[51] **Int.Cl. C07D 235/30 (2006.01) A61K 31/4184 (2006.01)**
[25] EN
[54] **SALT FORM AND CRYSTAL FORM OF MUTANT IDH1 INHIBITOR AND PREPARATION METHOD THEREFOR**
[54] **FORME SALINE ET FORME CRISTALLINE D'UN COMPOSE UTILISE EN TANT QU'INHIBITEUR DE IDH1 MUTANT ET PROCEDE DE PREPARATION ASSOCIE**
[72] CAI, YAXIAN, CN
[72] YUE, BAO, CN
[72] YU, PENG, CN
[72] WEI, CHANGQING, CN
[72] QIAN, WENYUAN, CN
[73] KPC PHARMACEUTICALS, INC, CN
[85] 2022-05-03
[86] 2020-12-22 (PCT/CN2020/138174)
[87] (WO2021/129587)
[30] CN (201911335601.7) 2019-12-23

[11] **3,158,254**
[13] C
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF B-CELL MALIGNANCIES BY A COMBINATION JAK AND PI3K INHIBITORS**
[54] **TRAITEMENT DES MALIGNITES DE CELLULES B PAR UNE COMBINAISON D'INHIBITEURS DE JAK ET DE PI3K**
[72] SCHERLE, PEGGY A., US
[72] LIU, XUESONG, US
[73] INCYTE CORPORATION, US
[86] (3158254)
[87] (3158254)
[22] 2015-04-07
[62] 2,945,151
[30] US (61/976,815) 2014-04-08

[11] **3,158,460**
[13] C
[51] **Int.Cl. B05B 1/08 (2006.01) B05B 1/26 (2006.01)**
[25] EN
[54] **FLUIDIC OSCILLATOR DEVICE WITH ATOMIZED OUTPUT**
[54] **DISPOSITIF D'OSCILLATEUR FLUIDIQUE A SORTIE ATOMISEE**
[72] TOMAC, MEHMET, US
[73] OHIO STATE INNOVATION FOUNDATION, US
[85] 2022-05-13
[86] 2019-11-14 (PCT/US2019/061506)
[87] (WO2021/096516)

[11] **3,158,573**
[13] C
[51] **Int.Cl. H04W 64/00 (2009.01) H04W 8/22 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR RETURNING AN EARLY POSITIONING FIX**
[54] **PROCEDES ET SYSTEMES PERMETTANT DE RENVOYER UN RELEVE DE POSITIONNEMENT PRECOCE**
[72] JIANG, YONGJIN, US
[72] EDGE, STEPHEN WILLIAM, US
[72] BURROUGHS, KIRK ALLAN, US
[72] FISCHER, SVEN, US
[72] LIN, LE-HONG, US
[73] QUALCOMM INCORPORATED, US
[86] (3158573)
[87] (3158573)
[22] 2015-02-11
[62] 2,936,589
[30] US (61/938,694) 2014-02-12
[30] US (62/033,617) 2014-08-05
[30] US (14/581,580) 2014-12-23

[11] **3,159,616**
[13] C
[51] **Int.Cl. E05B 47/00 (2006.01) H01F 7/02 (2006.01) H01F 7/122 (2006.01) H01F 7/16 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL LOCK AND METHOD**
[54] **VERROU ELECTROMECANIQUE ET PROCEDE**
[72] PIIRAINEN, MIKA, FI
[72] TIKKANEN, VAINO, FI
[73] ILOQ OY, FI
[85] 2022-04-29
[86] 2020-11-18 (PCT/EP2020/082541)
[87] (WO2021/099388)
[30] EP (19210367.9) 2019-11-20

[11] **3,159,619**
[13] C
[51] **Int.Cl. H04L 9/40 (2022.01)**
[25] EN
[54] **PACKET PROCESSING METHOD AND APPARATUS, DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **PROCEDE DE TRAITEMENT DE MESSAGE, DISPOSITIF ET APPAREIL AINSI QUE SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR**
[72] LI, SHIGUANG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-04-28
[86] 2020-09-25 (PCT/CN2020/117875)
[87] (WO2021/082834)
[30] CN (201911057490.8) 2019-10-31

[11] **3,161,418**
[13] C
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/745 (2015.01)**
[25] EN
[54] **MULTI-STRAIN PROBIOTIC COMPOSITION AND ITS USE**
[54] **COMPOSITION PROBIOTIQUE MULTI-CONTRAINTES ET SON UTILISATION**
[72] PATNO, NOELLE MARIE, US
[72] RYAN, JENNIFER JOAN, US
[73] METAGENICS LLC, US
[85] 2022-06-09
[86] 2020-12-17 (PCT/US2020/065590)
[87] (WO2021/127164)
[30] US (62/949,227) 2019-12-17

[11] **3,162,701**
[13] C
[51] **Int.Cl. B23K 35/02 (2006.01) B23K 35/28 (2006.01) B32B 15/01 (2006.01) C22C 21/02 (2006.01)**
[25] EN
[54] **ALUMINIUM ALLOY MULTI-LAYERED BRAZING SHEET MATERIAL FOR FLUXFREE BRAZING**
[54] **MATERIAU DU TYPE TOLE A BRASAGE EN ALLIAGE D'ALUMINIUM MULTICOUCHE POUR BRASAGE SANS FLUX**
[72] JACOBY, BERND, DE
[72] RITZ, FABIAN, DE
[72] SCHLEGEL, ARNE, DE
[72] KIRKHAM, STEVEN, DE
[72] SMEYERS, AXEL ALEXANDER MARIA, DE
[73] NOVELIS KOBLENZ GMBH, DE
[85] 2022-05-24
[86] 2021-01-26 (PCT/IB2021/050587)
[87] (WO2021/152455)
[30] EP (20154258.6) 2020-01-29
[30] EP (20160495.6) 2020-03-02

[11] **3,163,073**
[13] C
[51] **Int.Cl. H02K 1/32 (2006.01) H02K 5/04 (2006.01) H02K 15/03 (2006.01) H02K 16/02 (2006.01)**
[25] EN
[54] **AXIAL FIELD ROTARY ENERGY DEVICE HAVING PCB STATOR AND VARIABLE FREQUENCY DRIVE**
[54] **DISPOSITIF D'ENERGIE ROTATIVE A CHAMP AXIAL AYANT UN STATOR DE CARTE DE CIRCUIT IMPRIME ET UN ENTRAINEMENT A FREQUENCE VARIABLE**
[72] GUEDES-PINTO, PAULO, US
[72] LEE, RICH, US
[72] PARK, JERAD, US
[72] SCHULER, BEN, US
[72] PRESTON, MARK, US
[72] GRAY, MICHAEL, US
[73] INFINITUM ELECTRIC, INC., US
[85] 2022-06-24
[86] 2021-01-11 (PCT/US2021/012954)
[87] (WO2021/146139)
[30] US (62/960,974) 2020-01-14
[30] US (16/999,837) 2020-08-21
[30] US (17/145,675) 2021-01-11

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[13] C
[51] **Int.Cl. C22C 21/06 (2006.01) C22C 21/10 (2006.01) C22C 21/12 (2006.01) C22C 21/16 (2006.01) C22C 21/18 (2006.01)**
[25] EN
[54] **SUPPRESSION OF STRESS CORROSION CRACKING IN HIGH MAGNESIUM ALLOYS THROUGH THE ADDITION OF CALCIUM**
[54] **SUPPRESSION DE LA FISSURATION PAR CORROSION SOUS CONTRAINTE DANS DES ALLIAGES A HAUTE TENEUR EN MAGNESIUM PAR L'ADDITION DE CALCIUM**
[72] WAGSTAFF, SAMUEL ROBERT, US
[72] WAGSTAFF, ROBERT BRUCE, US
[73] NOVELIS INC., US
[85] 2022-05-30
[86] 2020-12-10 (PCT/US2020/064283)
[87] (WO2021/126665)
[30] US (62/949,286) 2019-12-17

[11] **3,163,893**
[13] C
[51] **Int.Cl. B65H 39/06 (2006.01) A44C 21/00 (2006.01) B44B 5/00 (2006.01) B44B 5/02 (2006.01) B65G 47/68 (2006.01)**
[25] EN
[54] **MULTI-COMPONENT COIN ASSEMBLY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSEMBLAGE DE PIECE DE MONNAIE A COMPOSANTS MULTIPLES**
[72] EVERTON, BRADLEY, CA
[72] LI, XIANYAO, CA
[72] QIAN, KEWEI, CA
[72] SAWATZKY, TREVOR SCOTT, CA
[72] LESSARD, PATRICK ROLAND, CA
[73] MONNAIE ROYALE CANADIENNE/ROYAL CANADIAN MINT, CA
[85] 2022-06-06
[86] 2020-12-18 (PCT/CA2020/051761)
[87] (WO2021/119839)
[30] US (62/950,620) 2019-12-19

[11] **3,164,010**
[13] C
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/51 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **PREPARATION AND USE OF CANNABIS NANO-FORMULATION**
[54] **PREPARATION ET UTILISATION D'UNE NANO-FORMULATION DE CANNABIS**
[72] BRAND, WERNER, DE
[73] APURANO PHARMACEUTICALS GMBH, DE
[85] 2022-07-06
[86] 2021-01-05 (PCT/EP2021/050089)
[87] (WO2021/140101)
[30] EP (20150397.6) 2020-01-06

[11] **3,165,620**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH4D4P**
[54] **MAIS AUTOGAME PH4D4P**
[72] FABRIZIUS, MARTIN A., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165620)
[87] (3165620)
[22] 2022-06-27

[11] **3,165,629**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48YS**
[54] **MAIS AUTOGAME PH48YS**
[72] CARRIGAN, LORI LISA, US
[72] KING, STEVEN PAUL, US
[72] WALCH, MATTHEW DAVID, US
[72] WILLIAM, HARINDRA MANILAL, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165629)
[87] (3165629)
[22] 2022-06-27

[11] **3,165,644**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH490C**
[54] **MAIS AUTOGAME PH490C**
[72] MONTPETIT, JEAN-MARC, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165644)
[87] (3165644)
[22] 2022-06-27

[11] **3,165,898**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PYRE32**
[54] **MAIS AUTOGAME 1PYRE32**
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165898)
[87] (3165898)
[22] 2022-06-28
[30] US (17/807,414) 2022-06-17
[30] US (63/219,848) 2021-07-09

[11] **3,165,901**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PDCK43**
[54] **MAIS AUTOGAME 1PDCK43**
[72] COLEMAN, TRAVIS KORRY, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165901)
[87] (3165901)
[22] 2022-06-28
[30] US (63/219,849) 2021-07-09
[30] US (17/807,416) 2022-06-17

[11] **3,165,910**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PQCD72**
[54] **MAIS AUTOGAME 1PQCD72**
[72] DOLAN, DENNIS JAMES, US
[72] WALCH, MATTHEW DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165910)
[87] (3165910)
[22] 2022-06-28
[30] US (17/366,061) 2021-07-02

[11] **3,165,913**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PFKS71**
[54] **MAIS AUTOGAME 1PFKS71**
[72] GARCIA, GUSTAVO MARCELO, US
[72] DOLAN, DENNIS JAMES, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165913)
[87] (3165913)
[22] 2022-06-28
[30] US (17/366,062) 2021-07-02

[11] **3,165,919**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PRUC36**
[54] **MAIS AUTOGAME 1PRUC36**
[72] HEFFNER, ELLIOT LEE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165919)
[87] (3165919)
[22] 2022-06-28
[30] US (17/366,074) 2021-07-02

[11] **3,165,926**
[13] C
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PQQS32**
[54] **MAIS AUTOGAME 1PQQS32**
[72] FISCHER, DAVID B., US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3165926)
[87] (3165926)
[22] 2022-06-28
[30] US (17/366,076) 2021-07-02

[11] **3,165,942**
[13] C
[51] **Int.Cl. C10L 10/14 (2006.01) C10L 1/198 (2006.01) C10L 1/222 (2006.01) C10L 1/224 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF DISPERSING PARAFFINS IN LOW-SULFUR FUEL OILS**
[54] **COMPOSITIONS ET PROCEDES DE DISPERSION DE PARAFFINES DANS DES HUILES COMBUSTIBLES A FAIBLE TENEUR EN SOUFRE**
[72] KRULL, MATTHIAS, DE
[72] MULLER, KERSTIN, DE
[72] HACKLANDER, SIMONE, DE
[72] HUBERT, OLIVER, DE
[72] BURMISTROV, SERGEY, RU
[72] ABRAMOVA, LYDMILA, RU
[72] UTKIN, ALEXANDER, RU
[73] CLARIANT INTERNATIONAL LTD, CH
[85] 2022-06-24
[86] 2021-01-15 (PCT/EP2021/050783)
[87] (WO2021/190793)
[30] EP (20165086.8) 2020-03-24

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[25] EN
[54] **MAIZE INBRED 1PGNW61**
[54] **MAIS AUTOGAME 1PGNW61**
[72] ARBELBIDE, MARTIN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166046)
[87] (3166046)
[22] 2022-06-29
[30] US (17/366,093) 2021-07-02

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[25] EN
[54] **MAIZE INBRED 1PJBB89**
[54] **MAIS AUTOGAME 1PJBB89**
[72] ARBELBIDE, MARTIN, US
[72] GARCIA, GUSTAVO MARCELO, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166054)
[87] (3166054)
[22] 2022-06-29
[30] US (17/366,095) 2021-07-02

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[54] **MAIZE INBRED PH4D55**
[54] **MAIS AUTOGAME PH4D55**
[72] FABRIZIUS, MARTIN A., US
[72] SZALMA, STEPHEN JOSEPH, US
[72] YU, JIANBIN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166055)
[87] (3166055)
[22] 2022-06-29
[30] US (17/366,102) 2021-07-02

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[25] EN
[54] **MAIZE INBRED 1PYRA69**
[54] **MAIS AUTOGAME 1PYRA69**
[72] MICKELSON, SUZANNE MICHELLE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166061)
[87] (3166061)
[22] 2022-06-29
[30] US (17/366,133) 2021-07-02

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 1PQLW02**
[54] **MAIS AUTOGAME 1PQLW02**
[72] ZHANG, JULIA XIULING, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166065)
[87] (3166065)
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[30] US (17/366,137) 2021-07-02

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[25] EN
[54] **MAIZE INBRED 1PEVY61**
[54] **MAIS AUTOGAME 1PEVY61**
[72] COLEMAN, TRAVIS KORRY, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (3166073)
[87] (3166073)
[22] 2022-06-29
[30] US (17/366,173) 2021-07-02

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[51] **Int.Cl. C07C 59/40 (2006.01) A61K 31/201 (2006.01) A61K 31/202 (2006.01) C07C 59/42 (2006.01)**
[25] EN
[54] **ALPHA-HYDROXYLATED FATTY ACID METABOLITES, MEDICAL USES OF SAME AND USE AS BIOMARKERS**
[54] **METABOLITES D'ACIDES GRAS ALPHA-HYDROXYLES, LEURS UTILISATIONS MEDICALES ET LEUR UTILISATION COMME BIOMARQUEURS**
[72] ESCRIBA RUIZ, PABLO VICENTE, ES
[72] TORRES CANALEJO, MANUEL, ES
[72] BUSQUETS XAUBET, XAVIER, ES
[72] LLADO CANELLAS, VICTORIA, ES
[72] FERNANDEZ GARCIA, PAULA, ES
[72] ROSSELLO CASTILLO, CATALINA ANA, ES
[72] PARETS BARRIOS, SEBASTIA, ES
[72] BETETA GOBEL, ROBERTO, ES
[72] CANO URREGO, EMILCE, ES
[72] ARBONA GONZALEZ, LAURA, ES
[72] RODRIGUEZ LORCA, RAQUEL, ES
[72] CABOT BAUZA, JUAN, ES
[72] MILLARES PIZA, MARC, ES
[73] UNIVERSITAT DE LES ILLES BALEARS, ES
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[30] EP (20382145.9) 2020-02-28
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[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A TRANSPORTATION PLAN**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER UN PLAN DE TRANSPORT**
[72] MOHR, DOUGLAS K., US
[72] CELMER, ANTHONY MICHAEL, US
[72] MCGOWAN, KRISTINA M., US
[72] WARE, KEITH ALAN, US
[72] MURPHY, JAMES, US
[72] CHENG, CHI-YIN, US
[72] MITCHELL, LEE ANTHONY, US
[72] MYERS, JESSICA, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[86] (3167477)
[87] (3167477)
[22] 2016-10-12
[62] 3,010,586
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[25] EN
[54] **APPARATUS AND METHOD FOR INTER-BAND PAIRING OF CARRIERS FOR TIME DIVISION DUPLEX TRANSMIT-AND RECEIVE-SWITCHING AND ITS APPLICATION TO MULTIPLEXING OF DIFFERENT TRANSMISSION TIME INTERVALS**
[54] **APPAREIL ET PROCEDE D'APPARIEMENT INTER-BANDE DE PORTEUSES POUR COMMUTATION EMISSION/RECEPTION EN DUPLEXAGE PAR REPARTITION TEMPORELLE ET SON APPLICATION AU MULTIPLEXAGE DE DIFFER ENTS INTERVALLES DE TEMPS D'EMISSION**
[72] JI, TINGFANG, US
[72] SMEE, JOHN EDWARD, US
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] BHUSHAN, NAGA, US
[72] GAAL, PETER, US
[72] GOROKHOV, ALEXEI YURIEVITCH, US
[72] MUKKAVILLI, KRISHNA KIRAN, US
[72] ANG, PETER, US
[72] HOWARD, MICHAEL ALEXANDER, US
[72] COOPER, ROTEM, US
[73] QUALCOMM INCORPORATED, US
[86] (3167724)
[87] (3167724)
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[62] 2,946,897
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[54] **AEROSOL GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL**
[72] AN, HWI KYEONG, KR
[72] JI, KYUNG MOON, KR
[72] CHUN, IN SEOUNG, KR
[72] SHIN, WON HUI, KR
[73] KT&G CORPORATION, KR
[86] (3168416)
[87] (3168416)
[22] 2019-01-22
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[25] EN
[54] **GRAPHENE OXIDE-CATIONIC SILVER NANOCOMPOSITES AND THEIR USE AS BROAD-SPECTRUM ANTIMICROBIAL AGENTS**
[54] **NANOCOMPOSITES D'ARGENT CATIONIQUE-OXYDE DE GRAPHENE ET LEUR UTILISATION EN TANT QU'AGENTS ANTIMICROBIENS A LARGE SPECTRE**
[72] HADDADI, SEYYEDARASH, CA
[72] VAN DER KUUR, COLIN, CA
[72] KORKIS, JOSEPH, CA
[72] SRIDHAR, DEEPAK, CA
[73] ZENTEK LTD., CA
[85] 2022-08-23
[86] 2021-12-20 (PCT/CA2021/051849)
[87] (WO2022/133587)
[30] US (63/128,993) 2020-12-22
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[25] EN
[54] **FLOOR COVERING**
[54] **REVETEMENT DE SOL**
[72] HIGGINS, KENNETH B., US
[73] HIGGINS RESEARCH & DEVELOPMENT, LLC, US
[85] 2022-08-02
[86] 2021-01-13 (PCT/US2021/013232)
[87] (WO2021/158342)
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[25] EN
[54] **DRILLING RIG WITH SELF-ELEVATING DRILL FLOOR**
[54] **APPAREIL DE FORAGE AVEC PLANCHER DE FORAGE AUTO-ELEVATEUR**
[72] KONDUC, KAMERON WAYNE, CA
[72] JAKOBSOHN, ELIJAH, US
[72] WINTER, BRIAN DANIEL, US
[73] NATIONAL OILWELL VARCO, L.P., US
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[25] EN
[54] **ELEVATED HEIGHT WHEELCHAIR**
[54] **FAUTEUIL ROULANT DONT LA HAUTEUR PEUT ETRE ELEVEE**
[72] MULHERN, JAMES P., US
[72] ANTONISHAK, STEPHEN J., US
[73] PRIDE MOBILITY PRODUCTS CORPORATION, US
[86] (3170776)
[87] (3170776)
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[51] **Int.Cl. C07C 253/30 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING PHTHALONITRILE-BASED COMPOUND**
[54] **METHODE DE PREPARATION D'UN COMPOSE A BASE DE PHTALONITRILE**
[72] ROH, KEE YOON, KR
[72] CHO, NAM HYUN, KR
[72] KIM, HEE SU, KR
[73] KOREA KUMHO PETROCHEMICAL CO., LTD., KR
[86] (3172662)
[87] (3172662)
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[30] KR (10-2021-0120763) 2021-09-10

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[25] EN
[54] **MULTIFOCAL OPHTHALMIC LENS AND RELATED METHODS**
[54] **LENTILLE OPHTALMIQUE MULTIFOCALE ET PROCEDES ASSOCIES**
[72] WEBBER, MARTIN, GB
[73] COOPERVISION INTERNATIONAL LIMITED, GB
[85] 2022-09-22
[86] 2021-04-29 (PCT/GB2021/051038)
[87] (WO2021/220005)
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[25] FR
[54] **ELECTRIC COOKING APPLIANCE**
[54] **APPAREIL DE CUISSON ELECTRIQUE**
[72] DOAT, GERALDINE, FR
[72] POUPART, ANTONIN, FR
[73] SEB S.A., FR
[86] (3173004)
[87] (3173004)
[22] 2022-09-08
[30] FR (FR2109764) 2021-09-17

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[51] **Int.Cl. G06Q 50/06 (2012.01) H02J 3/00 (2006.01) H02J 3/14 (2006.01) H02J 3/46 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **TECHNOLOGIES FOR DYNAMICALLY DISPATCHING GENERATOR POWER**
[54] **TECHNOLOGIES DE REPARTITION DYNAMIQUE DE LA PUISSANCE D'UN GENERATEUR**
[72] WALTERS, DAVID, US
[72] PAULSEN, RICHARD, US
[73] LEADING EDGE POWER SOLUTIONS, LLC, US
[85] 2022-08-23
[86] 2021-02-24 (PCT/US2021/019320)
[87] (WO2021/173605)
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[51] **Int.Cl. B29C 64/393 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR 3D PRINTING**
[54] **SYSTEMES ET PROCEDES D'IMPRESSION 3D**
[72] HAMBLETON, DANIEL, CA
[72] RESLINSKI, TOMASZ T., CA
[72] ROSS, ELISSA, CA
[73] METAFOLD INC., CA
[85] 2022-09-23
[86] 2021-02-17 (PCT/CA2021/050171)
[87] (WO2022/174322)

[11] **3,175,690**
[13] C
[51] **Int.Cl. C25B 1/135 (2021.01) C01B 32/159 (2017.01)**
[25] EN
[54] **SYSTEM, METHOD AND COMPOSITION FOR MAKING THIN-WALLED CARBON NANOMATERIALS**
[54] **SYSTEME, PROCEDE ET COMPOSITION DE FABRICATION DE NANOMATERIAUX DE CARBONE A PAROI MINCE**
[72] LICHT, STUART, US
[73] C2CNT LLC, US
[85] 2022-10-14
[86] 2021-04-28 (PCT/US2021/029732)
[87] (WO2021/222463)
[30] US (63/017,489) 2020-04-29

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[13] C
[51] **Int.Cl. G06F 17/14 (2006.01)**
[25] EN
[54] **DATA PROCESSING METHOD, DEVICE, COMPUTER EQUIPMENT, AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE DONNEES, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] TAI, HUAYUN, CN
[72] LV, YONG, CN
[72] WAN, PENGCHENG, CN
[73] 10353744 CANADA LTD., CA
[85] 2022-09-27
[86] 2020-06-19 (PCT/CN2020/096997)
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[30] CN (202010287873.0) 2020-04-14

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[51] **Int.Cl. H04L 69/08 (2022.01) H04L 67/60 (2022.01) G06F 17/00 (2019.01) H04L 67/62 (2022.01)**
[25] EN
[54] **COMPUTER SYSTEMS, COMPUTER-IMPLEMENTED METHODS, AND COMPUTER DEVICES FOR PROCESSING A TRANSACTION MESSAGE**
[54] **SYSTEMES INFORMATIQUES, PROCEDES INFORMATISES ET APPAREILS INFORMATIQUES POUR TRAITER UN MESSAGE TRANSACTIONNEL**
[72] MOUSSEAU, GARY, CA
[73] 10353744 CANADA LTD., CA
[86] (3177658)
[87] (3177658)
[22] 2020-04-30
[62] 3,080,225
[30] US (62/840,435) 2019-04-30
[30] US (62/924,303) 2019-10-22

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[13] C
[51] **Int.Cl. F24D 3/14 (2006.01) H05B 3/28 (2006.01)**
[25] EN
[54] **FLOOR HEATING SYSTEM INCLUDING MEMBRANES THAT ARE CONFIGURED TO BE JOINED TOGETHER TO HOUSE A HEATING CABLE, AND FLOORING UNDERLAYMENT INCLUDING SUCH MEMBRANES**
[54] **SYSTEME DE CHAUFFAGE DE SOL COMPRENANT DES MEMBRANES CONFIGUREES POUR ETRE ASSEMBLEES CONJOINTEMENT POUR LOGER UN CABLE CHAUFFANT, ET SOUS-COUCHE DE REVETEMENT DE SOL COMPRENANT DE TELLES MEMBRANE**
[72] WARNEKE, CHASE, US
[72] COLLISON, ALAN B., US
[72] BORGMAN, REID, US
[73] MP GLOBAL PRODUCTS, L.L.C., US
[85] 2022-11-08
[86] 2021-05-27 (PCT/US2021/034575)
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[25] EN
[54] **DEVICE FOR DEPOSITING VENEERS**
[54] **APPAREIL ET PROCEDE DE DEPOT DE BOIS DE PLACAGE**
[72] KALWA, NORBERT, DE
[73] FLOORING TECHNOLOGIES LTD., MT
[85] 2022-09-30
[86] 2021-04-22 (PCT/EP2021/060560)
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[30] EP (20171402.9) 2020-04-24

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[25] EN
[54] **PERCUTANEOUS ABSORPTION PREPARATION COMPRISING DONEPEZIL WITH IMPROVED STABILITY**
[54] **PREPARATION A ABSORPTION PERCUTANEE COMPRENANT DU DONEPEZIL A STABILITE AMELIOREE**
[72] JANG, SUN-WOO, KR
[72] SHIN, CHANG-YELL, KR
[72] KIM, HAE-SUN, KR
[72] CHA, KWANG-HO, KR
[72] KIM, HYUN-JUNG, KR
[72] HYUN, SANG-MIN, KR
[72] GOTO, MASAOKI, JP
[73] DONG-A ST CO., LTD, KR
[73] KM TRANSDERM LTD., JP
[85] 2022-10-21
[86] 2021-05-12 (PCT/KR2021/005930)
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[30] KR (10-2020-0057402) 2020-05-13

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[25] EN
[54] **AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS**
[54] **SYSTEME D'ECHANTILLONNAGE AGRICOLE ET PROCEDES ASSOCIES**
[72] SWANSON, TODD, US
[72] KOCH, DALE M., US
[72] HARMAN, REID, US
[73] PRECISION PLANTING LLC, US
[86] (3182480)
[87] (3182480)
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[30] US (62/745,606) 2018-10-15
[30] US (62/792,987) 2019-01-16
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF PHENYL KETONES**
[54] **PROCEDE DE PREPARATION DE PHENYLCETONES**
[72] MAYERHOEFFER, ULRICH, CH
[72] KIRCHNER, EVA, CH
[72] MEEMKEN, FABIAN, CH
[72] GIRARD, CHRISTOPHE, CH
[72] LECHNER, KAI, CH
[72] PAUNESCU, EMILIA, CH
[73] ARXADA AG, CH
[85] 2022-12-29
[86] 2021-08-16 (PCT/EP2021/072758)
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[30] EP (20191749.9) 2020-08-19
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[25] EN
[54] **MODIFIED CAS9 SYSTEM HAVING A DOMINANT NEGATIVE EFFECTOR ON NON-HOMOLOGOUS END-JOINING FUSED THERETO AND ITS USE FOR IMPROVED GENE EDITING**
[54] **SYSTEME CAS9 MODIFIE COMPORTANT UN EFFECTEUR NEGATIF DOMINANT SUR UNE JONCTION D'EXTREMITE NON HOMOLOGUE FUSIONNEE A CELUI-CI ET SON UTILISATION POUR UNE EDITION GENIQUE AMELIOREE**
[72] MUSSOLINO, CLAUDIO, DE
[72] CATHOMEN, TONI, DE
[72] CORNU, TATJANA, DE
[72] CARUSILLO, ANTONIO, DE
[73] ALBERT-LUDWIGS-UNIVERSITAET FREIBURG, DE
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[86] 2021-07-26 (PCT/EP2021/070795)
[87] (WO2022/048823)
[30] EP (20194524.3) 2020-09-04

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[51] **Int.Cl. G01S 13/74 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **OBJECT TRACKING SYSTEM OPTIMIZATION AND TOOLS**
[54] **OPTIMISATION D'UN SYSTEME DE POURSUITE D'OBJETS, ET OUTILS**
[72] DEANGELIS, DOUGLAS J., US
[72] EVANSEN, EDWARD G., US
[72] REILLY, GERARD M., US
[72] RHODES, BRIAN D., US
[72] GAUDREAU, JOSEPH M., US
[72] SIGEL, KIRK M., US
[72] FARKAS, ALEXANDER T., US
[73] ISOLYNX, LLC, US
[86] (3192820)
[87] (3192820)
[22] 2014-06-04
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[30] US (61/830,961) 2013-06-04
[30] US (61/900,786) 2013-11-06
[30] US (61/930,378) 2014-01-22
[30] US (61/945,559) 2014-02-27
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[51] **Int.Cl. B26B 21/52 (2006.01) B26B 21/40 (2006.01)**
[25] EN
[54] **RAZOR HANDLE**
[54] **MANCHE DE RASOIR**
[72] SIMS, DANIEL JEROME, US
[72] LIU, YIQIAN ERIC, US
[72] HWANG, HAILEY, US
[73] BEAUTY PERSPECTIVES, LLC, US
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[87] (WO2022/061185)
[30] US (63/081,114) 2020-09-21

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[51] **Int.Cl. H01F 41/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A MATERIAL LAYER WITH AT LEAST ONE VOID**
[54] **PROCEDE POUR PRODUIRE UNE COUCHE DE MATERIAU AVEC AU MOINS UN EVIDEMENT**
[72] SCHUH, CARSTEN, DE
[72] SOLLER, THOMAS, DE
[72] VOLLMER, ROLF, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2023-05-24
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[51] **Int.Cl. E21C 41/16 (2006.01)**
[25] EN
[54] **FLUIDIZED COAL MINING METHOD FOR IMPLEMENTING CO2 UNDERGROUND STORAGE**
[54] **PROCEDE D'EXPLOITATION DE CHARBON FLUIDISE PERMETTANT LA MISE EN OEUVRE D'UN STOCKAGE SOUTERRAIN DE CO2**
[72] JU, YANG, CN
[72] LIU, PENG, CN
[72] FEI, YU, CN
[72] NIE, XIAODONG, CN
[72] ZHU, YAN, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, BEIJING, CN
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[51] **Int.Cl. A62D 3/40 (2007.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DECOMPOSING A FEEDSTOCK GAS**
[54] **METHODES ET SYSTEMES POUR LA DECOMPOSITION DE GAZ DE CHARGE D'ALIMENTATION**
[72] LEBOE, DAVID AARON, CA
[72] COLEMAN, TIMOTHY SCOTT, CA
[72] KENDRICK, DONALD W., CA
[72] KRATSCHMAR, KENNETH WILLIAM, CA
[73] EKONA POWER INC., CA
[86] (3209731)
[87] (3209731)
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[51] **Int.Cl. G10L 19/02 (2013.01)**
[25] EN
[54] **PROCESSING OF AUDIO SIGNALS DURING HIGH FREQUENCY RECONSTRUCTION**
[54] **TRAITEMENT DE SIGNAUX AUDIO PENDANT UNE RECONSTITUTION HAUTE FREQUENCE**
[72] KJOERLING, KRISTOFER, SE
[73] DOLBY INTERNATIONAL AB, IE
[86] (3209829)
[87] (3209829)
[22] 2011-07-14
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[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **BIPHASIC INJECTABLE ELECTRODE**
[54] **ELECTRODE INJECTABLE BIPHASIQUE**
[72] BULLOCK, CHRISTOPHER JOHN, GB
[72] FU, RICHARD ZHIMING, GB
[72] MUNIR, NIMRAH, GB
[73] QV BIOELECTRONICS LTD., GB
[85] 2023-08-14
[86] 2022-03-04 (PCT/EP2022/055558)
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[25] EN
[54] **LIGHT FIXTURE WITH GLARE REDUCTION PANELS**
[54] **APPAREIL D'ECLAIRAGE COMPRENANT DES PANNEAUX DE REDUCTION DES REFLETS**
[72] HARVEY, JOHN BRYAN, US
[72] ADAMS, VINCENT, US
[72] WAGNER, PHILLIP RYAN, US
[73] ABL IP HOLDING LLC, US
[86] (3214196)
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[51] **Int.Cl. A42B 3/04 (2006.01)**
[25] EN
[54] **WARNING SIGNAL DEVICE OF HELMET**
[54] **DISPOSITIF DE SIGNAL D'AVERTISSEMENT DE CASQUE**
[72] CHIU, JU-HUI, TW
[71] CHIU, JU-HUI, TW
[22] 2022-11-07
[41] 2024-05-07

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[13] A1
[51] **Int.Cl. F28F 11/02 (2006.01) F16L 55/11 (2006.01)**
[25] EN
[54] **EXPANDABLE TAPERED PIN PLUG FOR HEAT EXCHANGES AND AIR COOLED HEAT EXCHANGERS**
[54] **BOUCHON A GOUPILLE CONIQUE EXPANSIBLE POUR LES ECHANGEURS DE CHALEUR ET DES ECHANGEURS DE CHALEUR A AIR REFROIDI**
[72] JORGENSEN, GLENN F., US
[72] JORGENSEN, RYAN J., US
[71] JNT TECHNICAL SERVICES, INC., US
[22] 2022-11-07
[41] 2024-05-07

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[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01)**
[25] EN
[54] **EFFORTLESS DUVET COVER**
[54] **HOUSSE DE COUETTE SANS EFFORT**
[72] OGEDENGBE, LOLA, US
[71] OGEDENGBE, LOLA, US
[22] 2022-11-08
[41] 2024-05-07
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[21] **3,181,426**
[13] A1
[51] **Int.Cl. G06F 21/10 (2013.01)**
[25] EN
[54] **EAM CUSTOM API (EARLY ACCESS MUSIC API PATENT)**
[54] **BREVET D~API PERSONNALISEE D~ACCES MUSICAL PRECOCE**
[72] DE CECCO, BENJAMIN, CA
[71] DE CECCO, BENJAMIN, CA
[22] 2022-11-08
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[21] **3,181,443**
[13] A1
[51] **Int.Cl. A01B 29/06 (2006.01) A01B 29/00 (2006.01) A01B 29/02 (2006.01) A01B 63/16 (2006.01)**
[25] EN
[54] **AGRICULTURAL LAND ROLLER IMPLEMENT WITH TRANSPORT WHEEL ARRANGEMENT HAVING A REDUCED TURNING RADIUS**
[54] **ROULEAU BRISE-MOTTES AGRICOLE COMPRENANT UNE CONFIGURATION DE ROUE DE TRANSPORT A RAYON DE VIRAGE REDUIT**
[72] BERG, WALDEMAR, CA
[72] GRASS, MARTIN, CA
[72] REDEKOP, JOHAN, CA
[71] J A REDEKOP HOLDINGS LTD., CA
[22] 2022-11-08
[41] 2024-05-08

[21] **3,181,559**
[13] A1
[51] **Int.Cl. E04G 7/00 (2006.01) E04G 5/00 (2006.01) E04G 5/04 (2006.01)**
[25] FR
[54] **MANUFACTURE OF A UNIVERSAL GUARDRAIL SYSTEM THAT CAN BE USED WITH OR ADAPTED TO ANY COMMONLY USED METAL SCAFFOLD FRAME**
[54] **FABRICATION D'UN SYSTEME DE GARDE CORPS UNIVERSEL POUVANT ETRE UTILISE OU ADAPTE A TOUT CADRE D'ECHAFAUDAGE METALLIQUE D'USAGE COURANT**
[72] PAQUETTE, CLAUDE, CA
[71] PAQUETTE, CLAUDE, CA
[22] 2022-11-09
[41] 2024-05-09

[21] **3,181,561**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61B 5/024 (2006.01)**
[25] EN
[54] **DEATH HANDLING SYSTEM**
[54] **SYSTEME DE GESTION DES DECES**
[72] AFOLABI, OYEKUNLE, CA
[71] AFOLABI, OYEKUNLE, CA
[22] 2022-11-09
[41] 2024-05-08
[30] US (17/982,972) 2022-11-08

[21] **3,181,573**
[13] A1
[51] **Int.Cl. B22F 10/28 (2021.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B29C 64/153 (2017.01) B22F 10/64 (2021.01) B22F 1/00 (2022.01) C22C 21/02 (2006.01) C22F 1/043 (2006.01)**
[25] EN
[54] **ALSIMGMN ALLOY FOR ADDITIVE MANUFACTURING**
[54] **ALLIAGE D~ALSIMGMN POUR LA FABRICATION ADDITIVE**
[72] ROMETSCH, PAUL ARTHUR, CA
[72] CHEN, X.-GRANT, CA
[72] POURKHORSHID, ESMAEIL, CA
[71] UNIVERSITE DU QUEBEC A CHICOUTIMI (UQAC), CA
[22] 2022-11-09
[41] 2024-05-09

[21] **3,181,610**
[13] A1
[51] **Int.Cl. B25H 3/04 (2006.01) B25H 3/00 (2006.01)**
[25] EN
[54] **SOCKET HOLDING FRAME ASSEMBLY**
[54] **ENSEMBLE CHASSIS DE RETENUE DE L~EMBOITURE**
[72] KAO, JUI CHIEN, TW
[71] KAO, JUI CHIEN, TW
[22] 2022-11-10
[41] 2024-05-10

[21] **3,181,643**
[13] A1
[51] **Int.Cl. C08L 67/04 (2006.01) C08J 3/05 (2006.01) C08J 5/02 (2006.01)**
[25] EN
[54] **BIODEGRADABLE RESIN AQUEOUS DISPERSION, FILM FORMING AGENT USING SAME, AND METHOD FOR FORMING FILM**
[54] **DISPERSION AQUEUSE DE RESINE BIODEGRADABLE, AGENT DE FORMATION DE FILM L~UTILISANT ET METHODE DE FORMATION**
[72] ITO, SHOHEI, JP
[72] OKUYA, MASAHIRO, JP
[71] MIYOSHI OIL & FAT CO., LTD., JP
[22] 2022-11-10
[41] 2024-05-10

[21] **3,181,707**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06Q 40/03 (2023.01)**
[25] EN
[54] **DECISION TREE MODEL TRAINING PROCESS**
[54] **PROCEDE D~ENTRAINEMENT DE MODELE D~ARBRE DE DECISION**
[72] HEGLIN, HOLLY, CA
[72] ZHANG, HAIPENG, CA
[72] FORER, MATTHEW, CA
[72] CIRULIS, JUDITH TAMARA, CA
[72] LIU, YUWEI, CA
[72] DILKUMAR, DAERIAN ASHAN, CA
[72] PIGOTT, ROY DUNCAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-11-10
[41] 2024-05-10

[21] **3,181,713**
[13] A1
[51] **Int.Cl. G06Q 40/03 (2023.01) G06F 16/27 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **AUTO-ADJUDICATION PROCESS VIA MACHINE LEARNING**
[54] **PROCEDE D~ATTRIBUTION AUTOMATIQUE AU MOYEN DE L~APPRENTISSAGE AUTOMATIQUE**
[72] HEGLIN, HOLLY, CA
[72] ZHANG, HAIPENG, CA
[72] FORER, MATTHEW, CA
[72] CIRULIS, JUDITH TAMARA, CA
[72] LIU, YUWEI, CA
[72] DILKUMAR, DAERIAN ASHAN, CA
[72] PIGOTT, ROY DUNCAN, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2022-11-10
[41] 2024-05-10

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) C07C 69/78 (2006.01) C07C 309/04 (2006.01) C07D 401/12 (2006.01) C30B 7/14 (2006.01)**
[25] EN
[54] **SEMI-BATCH PROCESSES FOR THE CRYSTALLIZATION OF A SOLID COMPRISING AN ACTIVE PHARMACEUTICAL INGREDIENT, ITS INTERMEDIATE, OR A SALT THEREOF**
[54] **PROCEDES SEMI-DISCONTINUS POUR LA CRISTALLISATION D~UN SOLIDE COMPRENANT UN INGREDIENT PHARMACEUTIQUE ACTIF, SON INTERMEDIAIRE OU UN SEL CONNEXE**
[72] PATEL, DINESHKUMAR, CA
[72] KARADEOLIAN, AVEDIS, CA
[72] SOUZA, FABIO E.S., CA
[72] ROELAND, GERRY, CA
[72] STRADIOTTO, DAVID A., CA
[72] KONDAMREDDY, MURALI, CA
[72] REY, ALLAN W., CA
[71] APOTEX INC., CA
[22] 2022-11-11
[41] 2024-05-11

[21] **3,181,761**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR BREATH SCREENING FOR TUBERCULOSIS**
[54] **METHODE ET APPAREIL POUR LE DEPISTAGE DE LA TUBERCULOSE DANS LE SOUFFLE**
[72] NACSON, SABATINO, CA
[71] TEKNOSCAN SYSTEMS INC., CA
[22] 2022-11-10
[41] 2024-05-10

[21] **3,181,904**
[13] A1
[51] **Int.Cl. B60W 50/14 (2020.01)**
[25] EN
[54] **WEATHER DISPLAY ON VEHICLE WINDSHIELD**
[54] **AFFICHAGE DE LA METEO SUR UN PARE-BRISE DE VEHICULE**
[72] LI, JAMY, CA
[71] LI, JAMY, CA
[22] 2022-11-08
[41] 2024-05-08

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[21] **3,182,936**
[13] A1
[51] **Int.Cl. A24F 15/12 (2006.01)**
[25] EN
[54] **CIGARETTE, LIGHTER STORAGE AND CIGARETTE BUTT STORAGE AND DISPOSABLE DEVICE**
[54] **CIGARETTE, RANGEMENT DE BRIQUET, RANGEMENT DE MEGOT ET DISPOSITIF JETABLE**
[72] FELIX, RYAN, CA
[71] FELIX, RYAN, CA
[22] 2022-11-28
[41] 2024-05-10
[30] US (18/054,205) 2022-11-10

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[51] **Int.Cl. B60Q 1/50 (2006.01)**
[25] EN
[54] **SELECTIVELY DEPLOYABLE INDICATOR ARM APPARATUS**
[54] **APPAREIL DE BRAS INDICATEUR SELECTIVEMENT DEPLOYABLE**
[72] GEYER, ROBERT, US
[72] GEYER, SCOTT, US
[72] CULBERTSON, SCOTT, US
[72] JENNINGS, DAVID, US
[72] PATER, RICH, US
[71] BUS SAFETY INC., US
[22] 2022-12-01
[41] 2024-05-09
[30] US (63/383,014) 2022-11-09

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[51] **Int.Cl. H02K 5/08 (2006.01) H02K 11/30 (2016.01) H02K 5/02 (2006.01) H02K 15/12 (2006.01) H02K 15/14 (2006.01)**
[25] EN
[54] **ELECTRONICALLY COMMUTATED DC MOTOR WITH ENCAPSULATING CONTROLLER**
[54] **MOTEUR C.C. COMMUTE ELECTRONIQUEMENT AU MOYEN D'UNE COMMANDE ENCAPSULANTE**
[72] SEMIDEY, STEPHEN ANDREW, US
[71] EAST WEST MANUFACTURING, LLC, US
[22] 2023-02-10
[41] 2024-05-09
[30] US (17/983,849) 2022-11-09

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[51] **Int.Cl. B65D 85/672 (2006.01) H01M 4/64 (2006.01) H05K 1/00 (2006.01)**
[25] EN
[54] **METAL FOIL CORE**
[54] **AME DE FEUILLE METALLIQUE**
[72] SHIN, IN CHEOL, KR
[72] JUNG, IN SOO, KR
[72] JUNG, JAE HOON, KR
[71] SK NEXILIS CO., LTD., KR
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[41] 2024-05-10
[30] KR (10-2022-0149161) 2022-11-10

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[13] A1
[51] **Int.Cl. A47C 27/07 (2006.01) B68G 9/00 (2006.01)**
[25] EN
[54] **BED MESH COMBINATION DEVICE AND BED MESH COMBINATION METHOD**
[54] **DISPOSITIF DE COMBINAISON DE MAILLAGE DE LIT ET METHODE DE COMBINAISON**
[72] LIANG, JIE, CN
[72] TAN, ZHIMING, CN
[72] TAN, ZHILIANG, CN
[71] GUANGZHOU LIANROU MACHINERY & EQUIPMENT CO., LTD., CN
[22] 2023-05-17
[41] 2024-05-10
[30] CN (202211403514.2) 2022-11-10
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[51] **Int.Cl. A24D 3/00 (2020.01) A24C 5/60 (2006.01) B31F 1/07 (2006.01) B44C 1/24 (2006.01) G09C 5/00 (2006.01)**
[25] EN
[54] **METHOD AND TOOL FOR EMBOSSING OF BIODEGRADABLE PAPER TO FABRICATE CIGARETTE FILTERS**
[54] **METHODE ET OUTIL POUR BOSSELER UN PAPIER BIODEGRADABLE AFIN DE FABRIQUER DES FILTRES DE CIGARETTE**
[72] BOEGLI, CHARLES, CH
[72] DUMITRU, GABRIEL, CH
[72] SANCHES, LUIS ANTONIO, US
[72] LISAUSKAS, TADAS LUKAS, US
[72] JURGUTIS, PAULIUS, US
[71] BOEGLI-GRAVURES SA, CH
[22] 2023-06-22
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[30] EP (22207022.9) 2022-11-11

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[51] **Int.Cl. G09F 19/12 (2006.01) G09F 21/06 (2006.01) G05D 1/648 (2024.01) G05D 1/695 (2024.01) B64U 20/80 (2023.01) G08G 5/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR VISUALISING IMAGE (VARIANTS), METHODS FOR VISUALISING IMAGE (VARIANTS) AND UNMANNED AERIAL VEHICLE**
[54] **SYSTEME POUR VISUALISER UNE IMAGE (VARIANTS), METHODES POUR VISUALISER UNE IMAGE (VARIANTS) ET VEHICULE AERIEN SANS PILOTE**
[72] ANDREEV, PAVEL RUSLANOVICH, RU
[71] ANDREEV, PAVEL RUSLANOVICH, RU
[22] 2023-07-18
[41] 2024-05-09
[30] RU (RU2022129081) 2022-11-09

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[13] A1
[51] **Int.Cl. A63H 33/06 (2006.01) A63H 33/26 (2006.01)**
[25] EN
[54] **MAGNETIC TOY**
[54] **JOUET MAGNETIQUE**
[72] XIE, PENGHUI, CN
[71] SHENZHEN JIAXIN TECHNOLOGY CO., LTD, CN
[22] 2023-08-04
[41] 2024-05-09
[30] CN (2022229855027) 2022-11-09
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[51] **Int.Cl. E06B 1/36 (2006.01)**
[25] EN
[54] **MULL SYSTEM FOR WINDOWS AND DOORS**
[54] **SYSTEME DE MONTANT INTERMEDIAIRE POUR FENETRES ET PORTES**
[72] SNYDER, BRANDON R., US
[71] MI WINDOWS AND DOORS, LLC, US
[22] 2023-08-31
[41] 2024-05-09
[30] US (17/984,174) 2022-11-09

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[13] A1
[51] **Int.Cl. B27N 3/04 (2006.01) B29C 70/40 (2006.01)**
[25] EN
[54] **METHOD OF COMPOSITE PANEL DETACHMENT FROM A HEATED AND COOLED PRESS**
[54] **METHODE DE DETACHEMENT D~UN PANNEAU COMPOSITE D~UNE PRESSE CHAUFFEE ET REFROIDIE**
[72] MCQUERREY, BRIAN, US
[71] CONTINUUS MATERIALS INTELLECTUAL PROPERTY, LLC, US
[22] 2023-09-05
[41] 2024-05-08
[30] US (18/128,063) 2023-03-29
[30] US (63/423,596) 2022-11-08

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[13] A1
[51] **Int.Cl. B64D 23/00 (2006.01) B64C 31/00 (2006.01)**
[25] EN
[54] **SKYDIVING ROBOTS**
[54] **ROBOTS DE PARACHUTISME**
[72] HALEY, MARK, US
[71] HALEY, MARK, US
[22] 2023-09-05
[41] 2024-05-06
[30] US (18052927) 2022-11-06
[30] JP (2023-27260 JP) 2023-02-24

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[13] A1
[51] **Int.Cl. F16C 35/063 (2006.01) B25B 27/14 (2006.01) F01D 25/16 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **BEARING AND SHAFT INSTALLATION TOOLING**
[54] **OUTILS D~INSTALLATION DE PALIER ET D~ARBRE**
[72] BOISSONNEAULT, MARTINE, CA
[72] BORO, PHILIPPE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-09-12
[41] 2024-05-08
[30] US (18/053,562) 2022-11-08

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[21] **3,212,223**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/42 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREFOR**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR CONNEXE**
[72] ZHOU, FENGFENG, KY
[71] VERDEWELL INTERNATIONAL HOLDINGS LIMITED, KY
[22] 2023-09-13
[41] 2024-05-11
[30] CN (202223016671.6) 2022-11-11

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[21] **3,212,263**
[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/10 (2020.01) A24F 40/40 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREFOR**
[54] **DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR CONNEXE**
[72] QU, HAIYAN, KY
[72] CHEN, SHOUHAO, KY
[71] VERDEWELL INTERNATIONAL HOLDINGS LIMITED, KY
[22] 2023-09-13
[41] 2024-05-07
[30] CN (202222972216.7) 2022-11-07

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[21] **3,212,269**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/485 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION APPARATUS AND POWER SUPPLY APPARATUS THEREOF**
[54] **APPAREIL DE GENERATION D~AEROSOL ET APPAREIL D~ALIMENTATION ELECTRIQUE**
[72] CHEN, FENG, KY
[71] VERDEWELL INTERNATIONAL HOLDINGS LIMITED, KY
[22] 2023-09-13
[41] 2024-05-11
[30] CN (202223021332.7) 2022-11-11

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[21] **3,212,716**
[13] A1
[51] **Int.Cl. F02B 55/08 (2006.01) F02F 7/00 (2006.01)**
[25] EN
[54] **SIDE PLATE FOR ROTARY ENGINE**
[54] **PLAQUE LATERALE POUR UN MOTEUR A PISTON ROTATIF**
[72] VINSKI, JOHNNY, CA
[72] SAVARIA, VINCENT, CA
[72] GAGNON-MARTIN, DAVID, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-09-15
[41] 2024-05-11
[30] US (18/054,701) 2022-11-11

[21] **3,213,024**
[13] A1
[51] **Int.Cl. F27D 3/00 (2006.01) F27B 3/19 (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] HAN, DONG HO, KR
[72] LEE, SHIN HO, KR
[72] LEE, JIN HYEOK, KR
[72] LIM, YOUNG JIN, KR
[72] KANG, TAE HO, KR
[72] KWON, SUNG MIN, KR
[71] HANWA CORPORATION, KR
[22] 2023-09-19
[41] 2024-05-11
[30] KR (10-2022-0150960) 2022-11-11
[30] KR (10-2022-0157176) 2022-11-22

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[21] **3,213,209**
[13] A1
[51] **Int.Cl. B25J 11/00 (2006.01) B25J 15/00 (2006.01) B65B 69/00 (2006.01)**
[25] EN
[54] **DEVICE FOR VACUUM-FREE REMOVAL OF A NEST FROM A TUB, A SYSTEM AND A STERILE CHAMBER COMPRISING SUCH A DEVICE, AND A METHOD FOR VACUUM-FREE REMOVAL OF A NEST FROM A TUB**
[54] **DISPOSITIF DE RETRAIT SANS ASPIRATION D~UN NID D~UNE CUVE, SYSTEME ET CHAMBRE STERILE COMPRENANT UN TEL DISPOSITIF, ET METHODE DE RETRAIT SANS ASPIRATION D~UN NID D~UNE CUVE**
[72] ILGENFRITZ, MARKUS, DE
[72] KRAUB, ULRICH, DE
[72] NAGLER, STEFAN, DE
[72] STEGMEIER, SAMUEL, DE
[71] SYNTEGON TECHNOLOGY GMBH, DE
[22] 2023-09-19
[41] 2024-05-08
[30] DE (10 2022 129 528.1) 2022-11-08

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[21] **3,213,909**
[13] A1
[51] **Int.Cl. F16C 33/10 (2006.01) B33Y 50/00 (2015.01) B33Y 50/02 (2015.01) B33Y 80/00 (2015.01) B29C 64/10 (2017.01) B33Y 40/20 (2020.01) B64C 25/32 (2006.01)**
[25] EN
[54] **3D PRINTED BUSHING WITH PRINTED GREASE PASSAGES AND LUBE FITTINGS INCORPORATED**
[54] **BAGUE IMPRIMEE EN 3D COMPRENANT DES PASSAGES A GRAISSE ET DES RACCORDS GRAISSEURS INTEGRES**
[72] WILLIAMSON, JAMES KEITH, US
[71] GOODRICH CORPORATION, US
[22] 2023-09-25
[41] 2024-05-10
[30] US (17/984,546) 2022-11-10

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[21] **3,214,647**
[13] A1
[51] **Int.Cl. E05B 73/00 (2006.01) G16Y 20/40 (2020.01) G16Y 40/50 (2020.01) F41A 17/54 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **BIOMETRIC FIREARM TRIGGER LOCK WITH ALARM**
[54] **VERROU DE DETENTE BIOMETRIQUE D~ARME A FEU COMPRENANT UNE ALARME**
[72] LU, PENG, CA
[72] LU, RUIBIN, CA
[71] LU, PENG, CA
[71] LU, RUIBIN, CA
[22] 2023-10-02
[41] 2024-05-10
[30] US (17/984,436) 2022-11-10

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[21] **3,214,702**
[13] A1
[51] **Int.Cl. B27B 31/00 (2006.01)**
[25] EN
[54] **LOG PUSHER**
[54] **MACHINE A POUSSER LES RONDINS**
[72] GOATER, GEORGE H., CA
[71] GOATER, GEORGE H., CA
[22] 2023-09-28
[41] 2024-05-06
[30] US (18/052,923) 2022-11-06

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[21] **3,215,296**
[13] A1
[25] EN
[54] **METERING DEVICE WITH PROXIMITY DETECTION**
[54] **DISPOSITIF DE MESURE AVEC DE DETECTEUR DE PROXIMITE**
[72] ANDERSON, DAVID P., US
[72] KINGHAM, BRIAN RICHARD, US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2023-10-04
[41] 2024-05-10
[30] US (18/054,181) 2022-11-10

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[21] **3,215,438**
[13] A1
[51] **Int.Cl. B65D 75/28 (2006.01) B65B 61/02 (2006.01) B65D 33/00 (2006.01) B65D 65/30 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **EASY-OPEN POUCH WITH SCORE LINE AND RETENTION OF TORN SECTION**
[54] **POCHE FACILE A OUVRIR COMPRENANT UNE PLIURE ET LA RETENUE D'UNE SECTION DECHIREE**
[72] SHARMA, NEERAJ, US
[72] DENNIS, MIKE, US
[72] CORMIER, JAMES MICHAEL, II, US
[71] GP&C OPERATIONS, LLC, US
[22] 2023-10-04
[41] 2024-05-07
[30] US (63/382547) 2022-11-07

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[21] **3,215,500**
[13] A1
[51] **Int.Cl. B29C 70/30 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR COATING FIBERS**
[54] **METHODES ET APPAREIL DE REVETEMENT POUR LE REVETEMENT DE FIBRES**
[72] TETI, GUIDO, US
[72] HAYASHI, STEVEN ROBERT, US
[72] BUI, PIERRE-ANDRE, US
[72] SERAFIN, WIKTOR, US
[72] SMITH, TIMOTHY PATRICK, US
[72] RUUD, JAMES ANTHONY, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2023-10-04
[41] 2024-05-09
[30] US (17/983,522) 2022-11-09

[21] **3,215,506**
[13] A1
[51] **Int.Cl. D06M 11/00 (2006.01) B05D 5/00 (2006.01) C04B 14/38 (2006.01) C04B 35/80 (2006.01) C04B 35/84 (2006.01) C04B 41/81 (2006.01) C23C 16/458 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR COATING FIBERS**
[54] **METHODES ET APPAREIL DE REVETEMENT POUR LE REVETEMENT DE FIBRES**
[72] TETI, GUIDO, US
[72] BUI, PIERRE-ANDRE, US
[72] HAYASHI, STEVEN ROBERT, US
[72] SERAFIN, WIKTOR, US
[72] SMITH, TIMOTHY PATRICK, US
[72] RUUD, JAMES ANTHONY, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2023-10-04
[41] 2024-05-09
[30] US (17/983,508) 2022-11-09

[21] **3,215,972**
[13] A1
[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 30/04 (2012.01) A63F 3/06 (2006.01) G07F 17/32 (2006.01)**
[25] EN
[54] **LOTTERY TICKETS BASED ON PRODUCT PURCHASES THROUGH SYSTEMS SUCH AS POINT-OF-SALE SYSTEMS**
[54] **BILLETS DE LOTERIE FONDES SUR DES ACHATS DE PRODUITS DANS DES SYSTEMES, PAR EXEMPLE EN POINT DE VENTE**
[72] CHAREST, JOSEPH, US
[72] WALKER, SARAH, US
[71] IGT GLOBAL SOLUTIONS CORPORATION, US
[22] 2023-10-10
[41] 2024-05-07
[30] US (18/053,163) 2022-11-07

[21] **3,216,020**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06F 40/56 (2020.01) G06F 18/22 (2023.01) G06N 3/0475 (2023.01)**
[25] EN
[54] **SIMILARITY-BASED GENERATIVE AI OUTPUT FILTERING**
[54] **FILTRAGE DE LA SORTIE D~INTELLIGENCE ARTIFICIELLE GENERATIVE AXE SUR LES SIMILARITES**
[72] PADGETT, NEIL LEONARD, CA
[72] ADAMS, ANDRA, CA
[71] SHOPIFY INC., CA
[22] 2023-10-11
[41] 2024-05-11
[30] US (18/313,688) 2023-05-08
[30] US (63/480,135) 2023-01-17
[30] US (63/424,577) 2022-11-11

[21] **3,216,176**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/04 (2006.01) A01C 7/16 (2006.01)**
[25] EN
[54] **AIR SEEDER PNEUMATIC CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE PNEUMATIQUE DE SEMOIR PNEUMATIQUE**
[72] HARMON, ANDREW W., US
[71] DEERE & COMPANY, US
[22] 2023-10-06
[41] 2024-05-07
[30] US (17/981,782) 2022-11-07

[21] **3,216,388**
[13] A1
[51] **Int.Cl. D21D 1/20 (2006.01) D21D 1/26 (2006.01) D21D 1/30 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING REFINING SEGMENT AND REFINING SEGMENT**
[54] **METHODE DE FABRICATION D~UN SEGMENT DE RAFFINAGE ET SEGMENT DE RAFFINAGE**
[72] TUOVINEN, OLLI, FI
[71] VALMET TECHNOLOGIES OY, FI
[22] 2023-10-13
[41] 2024-05-08
[30] FI (20226007) 2022-11-08

[21] **3,216,769**
[13] A1
[51] **Int.Cl. A61K 47/34 (2017.01) A61K 9/12 (2006.01) A61P 17/02 (2006.01) B65D 83/14 (2006.01) F17C 13/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS RELATING TO MEDICAL APPLICATIONS OF INVERSE THERMOSENSITIVE POLYMER FOAM FORMULATIONS**
[54] **SYSTEMES ET METHODES CONCERNANT DES APPLICATIONS MEDICALES DE FORMULATIONS DE MOUSSE POLYMERE THERMOSENSIBLE INVERSE**
[72] DONALDSON, ROSS I., US
[72] ARMSTRONG, JONATHAN, US
[72] BUCHANAN, OLIVER, US
[72] CAMBRIDGE, JOHN, US
[72] FISHER, TIMOTHY, US
[72] CRISTERNA, NELY, US
[71] CRITICAL INNOVATIONS LLC, US
[22] 2023-10-16
[41] 2024-05-07
[30] US (63/423,308) 2022-11-07

[21] **3,216,895**
[13] A1
[51] **Int.Cl. E06B 9/322 (2006.01)**
[25] EN
[54] **MOTORIZED BLIND AND MANUAL SWITCHING CLUTCH STRUCTURE THEREOF**
[54] **STORE MOTORISE ET STRUCTURE D~EMBRAYAGE DE COMMUTATION MANUELLE**
[72] NIEN, CHAO-HUNG, TW
[72] CHIU, CHIN-CHU, TW
[72] CHENG, HUI-PING, TW
[71] NIEN MADE ENTERPRISE CO., LTD., TW
[22] 2023-10-17
[41] 2024-05-10
[30] TW (111212396) 2022-11-10

[21] **3,217,030**
[13] A1
[51] **Int.Cl. F01P 11/02 (2006.01) B60K 11/02 (2006.01) B65D 6/00 (2006.01)**
[25] EN
[54] **TOROID SURGE TANK WITH INVERTED DIVIDER WALL**
[54] **RESERVOIR D'EQUILIBRAGE DE TORE COMPRENANT UNE CLOISON INVERSEE**
[72] ALLAN, RICHARD, CA
[71] ABC TECHNOLOGIES INC., CA
[22] 2023-10-19
[41] 2024-05-11
[30] US (63/383,282) 2022-11-11

[21] **3,217,195**
[13] A1
[51] **Int.Cl. F28C 3/02 (2006.01) F01L 21/02 (2006.01) F28F 5/00 (2006.01) F28F 27/00 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR CONTROLLING THE TEMPERATURE OF A PROCESS GAS AND HEAT EXCHANGER HAVING A CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE POUR CONTROLER LA TEMPERATURE D~UN GAZ DE PROCEDE ET ECHANGEUR DE CHALEUR COMPRENANT UN DISPOSITIF DE COMMANDE**
[72] COSCIA, ANTONIO, DE
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATON DES PROCEDES GEORGES CLAUDE, FR
[22] 2023-10-19
[41] 2024-05-10
[30] EP (22206671.4) 2022-11-10

[21] **3,217,232**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) G06V 10/764 (2022.01) G06V 10/98 (2022.01) G06F 18/241 (2023.01) G06F 18/30 (2023.01)**
[25] EN
[54] **RANKING-BASED TRAINING OF CLASSIFICATION MODEL FOR USE WITH CRITICAL RARE CASES**
[54] **ENTRAINEMENT A BASE DE CLASSEMENT D~UN MODELE DE CLASSIFICATION A UTILISER DANS LE CONTEXTE DES CAS RARES CRITIQUES**
[72] MOHAMMADI, KIARASH, CA
[72] ZHAO, HE, CA
[72] ZHAI, MENGYAO, CA
[72] TUNG, FREDERICK, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2023-10-20
[41] 2024-05-11
[30] US (63/424,589) 2022-11-11

[21] **3,217,434**
[13] A1
[51] **Int.Cl. H01H 7/16 (2006.01) H01H 3/60 (2006.01) H01H 33/666 (2006.01) H01H 71/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR POINT ON WAVE CLOSING OF A VACUUM INTERRUPTER**
[54] **SYSTEME ET METHODE POUR UNE FERMETURE DE POINT SUR ONDE D~UN INTERRUPTEUR D~ASPIRATEUR**
[72] PORTER, DAVID G., US
[72] KELLEY, THOMAS S., US
[72] MILTON, JOSEPH W., US
[72] BERMAN, ANDREW B., US
[71] S&C ELECTRIC COMPANY, US
[22] 2023-10-20
[41] 2024-05-08
[30] US (63/423,518) 2022-11-08

[21] **3,217,436**
[13] A1
[51] **Int.Cl. H02H 3/06 (2006.01) H02H 7/26 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **PULSE CATCHING**
[54] **DETECTION D~IMPULSION**
[72] WILLIAMS, STEPHEN E., US
[72] BISHOP, MARTIN T., US
[72] MEISINGER, MICHAEL JOHN, SR., US
[71] S&C ELECTRIC COMPANY, US
[22] 2023-10-20
[41] 2024-05-08
[30] US (63/423,519) 2022-11-08

[21] **3,217,511**
[13] A1
[51] **Int.Cl. A62C 4/02 (2006.01)**
[25] EN
[54] **FLAME ARRESTER AND METHODS OF MANUFACTURE**
[54] **PARE-FLAMMES ET METHODES DE FABRICATION**
[72] DIAZ, JUAN M., US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHONOLOGIES TULSA LLC, US
[22] 2023-10-23
[41] 2024-05-11
[30] US (18/054,854) 2022-11-11

[21] **3,217,684**
[13] A1
[51] **Int.Cl. B25C 5/16 (2006.01) B25C 1/04 (2006.01) B25C 5/10 (2006.01) B25C 5/13 (2006.01)**
[25] EN
[54] **FASTENER DELIVERY MECHANISM FOR A FASTENER DRIVER**
[54] **MECANISME DE DISTRIBUTION D~ATTACHE POUR POSE-ATTACHES**
[72] SUTHERLAND, SCOTT A., US
[72] LAUGH, CURT A., US
[72] WATSON, ELTON L., US
[72] POMEROY, EDWARD A., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2023-10-25
[41] 2024-05-09
[30] US (63/383,027) 2022-11-09
[30] US (63/383,178) 2022-11-10
[30] US (63/501,016) 2023-05-09

[21] **3,217,689**
[13] A1
[51] **Int.Cl. F16B 25/10 (2006.01) F16B 5/02 (2006.01) F16B 23/00 (2006.01) F16B 25/00 (2006.01) F16B 43/00 (2006.01)**
[25] EN
[54] **SEALING HEAD DESIGN FOR SELF-PENETRATING AND HOLE FORMING FASTENERS**
[54] **CONCEPTION DE TETE D~ETANCHEITE POUR DES ATTACHES AUTOPERFORANTES ET FORMANT DES TROUS**
[72] CROCKETT, STEPHEN, US
[72] RUSZKIEWICZ, BRANDT J., US
[72] BREIDENBAUGH, ERIC C., US
[72] GRIMSBY, JOHN, US
[72] NORTON, CHRIS, US
[71] SEMBLEX CORPORATION, US
[22] 2023-10-25
[41] 2024-05-10
[30] US (63/383,096) 2022-11-10
[30] US (18/126,114) 2023-03-24

[21] **3,217,700**
[13] A1
[25] EN
[54] **DIAGNOSTIC APPARATUS, DIAGNOSTIC SYSTEM, AND DIAGNOSTIC METHOD**
[54] **APPAREIL DE DIAGNOSTIC, SYSTEME DE DIAGNOSTIC ET METHODE DE DIAGNOSTIC**
[72] YUKAWA, SHINJI, JP
[71] FUJI ELECTRIC CO., LTD., JP
[22] 2023-10-25
[41] 2024-05-11
[30] JP (2022-181377) 2022-11-11

[21] **3,217,758**
[13] A1
[51] **Int.Cl. B01D 53/26 (2006.01) F24F 1/02 (2019.01) F24F 3/14 (2006.01) F25B 13/00 (2006.01)**
[25] EN
[54] **IN-WALL AND ON-WALL DEHUMIDIFIER WITH INTEGRATED BI-POLAR ION GENERATOR**
[54] **DESHUMIDIFICATEUR MURAL ENCASTRE ET SOUTENU COMPRENANT UN GENERATEUR IONIQUE BIPOLAIRE INTEGRE**
[72] SMITH, BRIAN, US
[72] ANDRISIN, JOHN, US
[71] INNOVATIVE DEHUMIDIFIER SYSTEMS LLC, US
[22] 2023-10-25
[41] 2024-05-09
[30] US (17/984,111) 2022-11-09

[21] **3,217,869**
[13] A1
[51] **Int.Cl. B65D 55/00 (2006.01) A45F 3/14 (2006.01) B65D 23/12 (2006.01) F16M 13/02 (2006.01)**
[25] EN
[54] **CONTAINER AND LID AND ATTACHMENT THEREOF**
[54] **CONTENANT, COUVERCLE ET FIXATION CONNEXE**
[72] LU, JUI-CHEN, TW
[72] WANG, CHING-YU, TW
[72] HUNG, YU-TING, TW
[72] CHIANG, YU-CHANG, TW
[72] HO, CHENG-CHE, TW
[71] EVOLUTIVE LABS CO., LTD., TW
[22] 2023-10-26
[41] 2024-05-07
[30] US (63/423,067) 2022-11-07
[30] US (63/458,171) 2023-04-10
[30] US (63/458,172) 2023-04-10
[30] TW (112102450) 2023-01-18
[30] US (18/331,962) 2023-06-09

[21] **3,217,895**
[13] A1
[51] **Int.Cl. A61H 33/00 (2006.01) F16L 27/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A SPA JET SELECTIVELY ADJUSTABLE ALONG A WIDTH**
[54] **SYSTEMES ET METHODES POUR UN JET DE SPA SELECTIVEMENT AJUSTABLE SUR UNE LARGEUR**
[72] KAMERATH, CHRISTOPHER, US
[72] HALES, ERIC, US
[72] ANDERSON, TODD, US
[72] ANDERSEN, MICHAEL, US
[71] BULLFROG INTERNATIONAL, LC, US
[22] 2023-10-26
[41] 2024-05-07
[30] US (17/981,880) 2022-11-07

[21] **3,217,917**
[13] A1
[51] **Int.Cl. B66F 9/00 (2006.01) B60W 30/08 (2012.01) G08G 1/16 (2006.01) G05D 1/24 (2024.01) G05D 1/43 (2024.01)**
[25] EN
[54] **INDUSTRIAL VEHICLE**
[54] **VEHICULE INDUSTRIEL**
[72] AKATSUKA, KEISUKE, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[22] 2023-10-26
[41] 2024-05-09
[30] JP (2022-179590) 2022-11-09

[21] **3,217,947**
[13] A1
[51] **Int.Cl. E21B 19/10 (2006.01) E21B 19/08 (2006.01) E21B 19/16 (2006.01) E21B 33/08 (2006.01)**
[25] EN
[54] **TAPERED BOWL WITH MOVABLE PORTION**
[54] **BOL CONIQUE COMPRENANT UNE PARTIE MOBILE**
[72] COYLE, WILLIAM E., JR., US
[71] BILCO TOOLS, INC., US
[22] 2023-10-27
[41] 2024-05-11
[30] US (63/424,774) 2022-11-11

[21] **3,218,023**
[13] A1
[51] **Int.Cl. B25F 5/00 (2006.01) B25B 21/00 (2006.01)**
[25] EN
[54] **MULTI-SPEED GEAR TRAIN FOR POWER TOOL**
[54] **TRAIN D'ENGRENAGES MULTIVITESSE POUR UN OUTIL ELECTRIQUE**
[72] STICKNEY, JACK H., US
[72] CYBORSKI, DAVID A., US
[71] SNAP-ON INCORPORATED, US
[22] 2023-10-27
[41] 2024-05-11
[30] US (17/985,707) 2022-11-11

[21] **3,218,064**
[13] A1
[25] EN
[54] **COMPACT-CROSS DIRECTION C-FRAME SCANNER**
[54] **NUMERISEUR EN C A SENS TRAVERS COMPACT**
[72] HUGHES, MICHAEL, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2023-10-30
[41] 2024-05-11
[30] US (17/985,276) 2022-11-11

[21] **3,218,239**
[13] A1
[51] **Int.Cl. C07D 207/06 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING IONIC FLUIDS**
[54] **METHODE DE PREPARATION DE FLUIDES IONIQUES**
[72] MACK, ARTHUR G., US
[71] TETRA TECHNOLOGIES, INC., US
[22] 2023-10-27
[41] 2024-05-09
[30] US (17/983,873) 2022-11-09

[21] **3,218,275**
[13] A1
[51] **Int.Cl. F41A 17/06 (2006.01) F41A 19/06 (2006.01)**
[25] EN
[54] **TRIGGERING MECHANISM**
[54] **MECANISME DE DECLENCHEMENT**
[72] ESKILANDER, STEPHAN, SE
[72] HORNGREN, TOBIAS, SE
[72] BORG, OSCAR, SE
[71] GAIM IMMERSIVE TECHNOLOGY GROUP AB, SE
[22] 2023-10-31
[41] 2024-05-11
[30] SE (2251323-8) 2022-11-11

[21] **3,218,494**
[13] A1
[51] **Int.Cl. C11D 3/48 (2006.01) A01N 63/22 (2020.01) A01N 25/30 (2006.01) A01P 1/00 (2006.01) A61L 2/18 (2006.01) C11D 1/00 (2006.01) C11D 3/38 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHOD TO PROVIDE MALODOR REMOVAL AND/OR MALODOR PREVENTION**
[54] **METHODE POUR L~ELIMINATION ET/OU LA PREVENTION DES MAUVAISES ODEURS**
[72] BETTIOL, JEAN-LUC PHILIPPE, BE
[72] CASERTA, JUSTIN ANGELO, US
[72] DESILVESTRO, IRENE, BE
[72] KONYA, ABIGAIL MARY, BE
[72] MAGNONI, FRANCESCO, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2023-11-01
[41] 2024-05-10
[30] EP (22206701.9) 2022-11-10

[21] **3,218,514**
[13] A1
[51] **Int.Cl. A61L 2/16 (2006.01) A01N 63/22 (2020.01) A01P 3/00 (2006.01) C11D 3/38 (2006.01) C11D 3/48 (2006.01)**
[25] EN
[54] **METHOD TO PROVIDE LONG-LASTING CLEANING**
[54] **METHODE DE NETTOYAGE LONGUE DUREE**
[72] BETTIOL, JEAN-LUC PHILIPPE, BE
[72] CASERTA, JUSTIN ANGELO, US
[72] CHARBONNEAU, DUANE LARRY, US
[72] DESILVESTRO, IRENE, BE
[72] KONYA, ABIGAIL MARY, GB
[72] MAGNONI, FRANCESCO, BE
[72] TAVERNIER, SARAH, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2023-11-01
[41] 2024-05-10
[30] EP (22206701.9) 2022-11-10
[30] EP (22212702.9) 2022-12-12

[21] **3,218,671**
[13] A1
[51] **Int.Cl. H01M 50/258 (2021.01) H01M 50/244 (2021.01) H01M 50/249 (2021.01)**
[25] EN
[54] **BATTERY CELL FOR A MOTOR VEHICLE, SYSTEM OF A BATTERY CELL AND MOUNTING DEVICE, AND METHOD FOR MANUFACTURING A BATTERY CELL**
[54] **ELEMENT DE BATTERIE POUR UN VEHICULE MOTORISE, SYSTEME D~ELEMENT DE BATTERIE ET DISPOSITIF DE MONTAGE, ET METHODE DE FABRICATION D~UN ELEMENT DE BATTERIE**
[72] ABEL, TOBIAS, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[22] 2023-11-02
[41] 2024-05-10
[30] DE (10 2022 211 930.4) 2022-11-10

[21] **3,218,683**
[13] A1
[51] **Int.Cl. A62C 13/64 (2006.01) F16K 31/44 (2006.01)**
[25] EN
[54] **FIRE EXTINGUISHER VALVE FOR A FIRE EXTINGUISHING SYSTEM, FIRE EXTINGUISHING SYSTEM COMPRISING SUCH FIRE EXTINGUISHER VALVE, AND METHOD OF OPERATING A FIRE EXTINGUISHER VALVE**
[54] **CLAPET D~EXTINCTEUR POUR UN SYSTEME D'EXTINCTION D'INCENDIE, SYSTEME D'EXTINCTION D'INCENDIE COMPRENANT UN TEL CLAPET ET METHODE D'EXPLOITATION DU CLAPET**
[72] DREISILKER, RALF, DE
[72] KACAR, ERDINC, DE
[71] KIDDE-DEUGRA BRANDSCHUTZSYSTEME GMBH, DE
[22] 2023-11-01
[41] 2024-05-07
[30] EP (22205941.2) 2022-11-07

[21] **3,218,743**
[13] A1
[51] **Int.Cl. E04F 15/10 (2006.01) B32B 5/08 (2006.01) B32B 23/02 (2006.01) B32B 27/02 (2006.01) B32B 27/04 (2006.01)**
[25] EN
[54] **MULTILAYER FLOORING INCLUDING FIBER CORE LAYER**
[54] **REVETEMENT DE SOL MULTICOUCHE COMPRENANT UNE COUCHE D~AME DE FIBRES**
[72] COLLISON, ALAN B., US
[71] MP GLOBAL PRODUCTS, L.L.C., US
[22] 2023-11-03
[41] 2024-05-10
[30] US (18/496.725) 2023-10-27
[30] US (63/424.274) 2022-11-10

[21] **3,218,746**
[13] A1
[51] **Int.Cl. B61L 23/00 (2006.01) H04W 4/40 (2018.01) B61L 3/16 (2006.01) B61L 25/00 (2006.01)**
[25] EN
[54] **TRAIN CONTROL SYSTEMS WITH HAZARD MANAGEMENT AND ASSOCIATED METHODS**
[54] **SYSTEMES DE COMMANDE DE TRAIN COMPRENANT LA GESTION DES DANGERS ET METHODES CONNEXES**
[72] ZWOLINSKI, PETER, US
[71] SIEMENS MOBILITY, INC., US
[22] 2023-11-03
[41] 2024-05-07
[30] US (18/053,221) 2022-11-07

[21] **3,218,749**
[13] A1
[51] **Int.Cl. G06N 10/40 (2022.01) G06N 10/00 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ENCODING A DATASET IN A QUANTUM CIRCUIT FOR QUANTUM MACHINE LEARNING**
[54] **METHODE ET SYSTEME POUR CODER UN ENSEMBLE DE DONNEES DANS UN CIRCUIT QUANTIQUE POUR UN APPRENTISSAGE AUTOMATIQUE QUANTIQUE**
[72] KORDZANGANEH, MOHAMMAD, CH
[72] SEKATSKI, PAVEL, CH
[72] FEDICHKIN, LEONID, CH
[72] MELNIKOV, ALEXEY, CH
[71] TERRA QUANTUM AG, CH
[22] 2023-11-03
[41] 2024-05-10
[30] EP (22206727.4) 2022-11-10

[21] **3,218,765**
[13] A1
[51] **Int.Cl. B23P 19/04 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **CENTERING A WASHER TO A FASTENER ELEMENT DURING INSTALLATION**
[54] **CENTRAGE D~UNE RONDELLE SUR UN ELEMENT D~ATTACHE PENDANT L~INSTALLATION**
[72] CHOW, BERNARD, CA
[72] THERIAULT, GERARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-03
[41] 2024-05-09
[30] US (17/983,815) 2022-11-09

[21] **3,218,772**
[13] A1
[51] **Int.Cl. H04B 10/25 (2013.01) H04B 10/299 (2013.01) H04B 10/564 (2013.01) H04B 10/70 (2013.01) H04B 10/85 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPTICAL SIGNAL AMPLIFICATION**
[54] **METHODE ET SYSTEME D~AMPLIFICATION DE SIGNAL OPTIQUE**
[72] VYATKIN, MIKHAIL, CH
[72] ZHDANOVA, EKATERINA, CH
[72] GUTOR, ALEXANDER, CH
[72] LESOVIK, GORDEY, CH
[72] KIRSANOV, NIKITA, CH
[72] YAROVIKOV, MIKHAIL, CH
[72] SMIRNOV, ALEXANDER, CH
[72] BEZRUCHENKO, ALEXANDER, CH
[71] TERRA QUANTUM AG, CH
[22] 2023-11-03
[41] 2024-05-10
[30] EP (22206735.7) 2022-11-10
[30] EP (23165719.8) 2023-03-30

[21] **3,218,925**
[13] A1
[51] **Int.Cl. H04B 10/25 (2013.01) H04B 10/2531 (2013.01) H04B 10/291 (2013.01) H04B 10/564 (2013.01) H04B 10/70 (2013.01) H04B 10/85 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR QUANTUM KEY DISTRIBUTION**
[54] **METHODE ET SYSTEME DE DISTRIBUTION QUANTIQUE DES CLES**
[72] VYATKIN, MIKHAIL, CH
[72] GUTOR, ALEXANDER, CH
[72] KIRSANOV, NIKITA, CH
[72] ZHDANOVA, EKATERINA, CH
[72] YAROVIKOV, MIKHAIL, CH
[72] SMIRNOV, ALEXANDER, CH
[72] BEZRUCHENKO, ALEXANDER, CH
[72] LESOVIK, GORDEY, CH
[71] TERRA QUANTUM AG, CH
[22] 2023-11-03
[41] 2024-05-10
[30] EP (22206735.7) 2022-11-10

[21] **3,218,935**
[13] A1
[51] **Int.Cl. B62D 6/00 (2006.01) B60W 10/20 (2006.01)**
[25] EN
[54] **STEERING CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE DIRECTION**
[72] BAUER, ROBERT, US
[71] CARLSON PAVING PRODUCTS, INC., US
[22] 2023-11-06
[41] 2024-05-11
[30] US (17/985,480) 2022-11-11

[21] **3,218,943**
[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) A61N 5/06 (2006.01) A61B 5/369 (2021.01) A61B 5/389 (2021.01) A61B 5/024 (2006.01)**
[25] EN
[54] **SLEEP-INDUCING ELECTRONIC DEVICE**
[54] **DISPOSITIF ELECTRONIQUE POUR INDUIRE LE SOMMEIL**
[72] LEKHTMAN, GREGORY, CA
[71] LEKHTMAN, GREGORY, CA
[22] 2023-11-06
[41] 2024-05-08
[30] US (63/423,698) 2022-11-08

[21] **3,218,952**
[13] A1
[51] **Int.Cl. G06T 11/00 (2006.01) G06T 19/00 (2011.01) G06T 7/73 (2017.01) G06V 20/10 (2022.01) G06V 20/50 (2022.01) G06T 7/00 (2017.01)**
[25] EN
[54] **AUTOMATED INTER-IMAGE ANALYSIS OF MULTIPLE BUILDING IMAGES FOR BUILDING FLOOR PLAN GENERATION**
[54] **ANALYSE INTER-IMAGE AUTOMATISEE DE MULTIPLES IMAGES DE BATIMENT POUR LA GENERATION DE PLANS D~ETAGE DE BATIMENT**
[72] LI, YUGUANG, US
[72] HUTCHCROFT, WILL A., US
[72] KANG, SING BING, US
[71] MFTB HOLDCO, INC., US
[22] 2023-11-06
[41] 2024-05-11
[30] US (18/209,420) 2023-06-13
[30] US (63/424,847) 2022-11-11

[21] **3,218,954**
[13] A1
[51] **Int.Cl. G06V 10/82 (2022.01) G06T 7/55 (2017.01) G06V 10/44 (2022.01) G06V 20/10 (2022.01) G06T 3/40 (2024.01) G06T 11/60 (2006.01)**
[25] EN
[54] **AUTOMATED INTER-IMAGE ANALYSIS OF MULTIPLE BUILDING IMAGES FOR BUILDING INFORMATION DETERMINATION**
[54] **ANALYSE INTER-IMAGE AUTOMATISEE DE MULTIPLES IMAGES DE BATIMENT POUR LA DETERMINATION DE RENSEIGNEMENTS SUR LE BATIMENT**
[72] HUTCHCROFT, WILL A., US
[72] LI, YUGUANG, US
[72] NARAYANA, MANJUNATH, US
[72] NEJATISHAHIDIN, NEGAR, US
[71] MFTB HOLDCO, INC., US
[22] 2023-11-06
[41] 2024-05-11
[30] US (18/114,951) 2023-02-27
[30] US (63/424,847) 2022-11-11

[21] **3,218,959**
[13] A1
[51] **Int.Cl. H01M 50/583 (2021.01) H01M 50/509 (2021.01) H01M 50/569 (2021.01) H01M 10/44 (2006.01)**
[25] FR
[54] **RECHARGEABLE BATTERY**
[54] **BATTERIE RECHARGEABLE**
[72] YVERGNIAUX, RONAN, FR
[72] SANTAMARIA, ADAM, FR
[71] MOV'NTEC, FR
[22] 2023-11-07
[41] 2024-05-09
[30] FR (FR 22 11671) 2022-11-09

[21] **3,218,966**
[13] A1
[51] **Int.Cl. F16L 55/115 (2006.01) F16L 19/03 (2006.01) F16L 21/00 (2006.01)**
[25] EN
[54] **PIPE RESTRAINT SYSTEMS**
[54] **SYSTEMES DE RETENUE DE TUYAUX**
[72] LEMKE, ANDREW MICHAEL, US
[71] ROMAC INDUSTRIES, INC., US
[22] 2023-11-07
[41] 2024-05-08
[30] US (63/382,864) 2022-11-08

[21] **3,218,978**
[13] A1
[51] **Int.Cl. B29C 43/24 (2006.01) H01M 4/139 (2010.01) D21G 3/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A DRY FILM**
[54] **METHODE ET DISPOSITIF POUR PRODUIRE UNE PELLICULE SECHE**
[72] BUSSWINKEL, LUDGER, DE
[72] REUBER, SEBASTIAN, DE
[72] SCHMIDT-LOBACH, ROLAND, DE
[72] SCHOPF, SVEN, DE
[71] VOLKSWAGEN AG, DE
[22] 2023-11-07
[41] 2024-05-11
[30] DE (10 2022 211 993.2) 2022-11-11

[21] **3,218,983**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/06 (2006.01)**
[25] EN
[54] **OPTICAL FIBER SHAPE SENSING**
[54] **DETECTION MORPHOLOGIQUE DE FIBRE OPTIQUE**
[72] SCHNEIDER, MARK ROBERT, US
[71] NORTHERN DIGITAL INC., CA
[22] 2023-11-07
[41] 2024-05-08
[30] US (63/423,755) 2022-11-08

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[21] **3,218,989**
[13] A1
[51] **Int.Cl. A01G 31/06 (2006.01) A01G 9/20 (2006.01) A01G 9/24 (2006.01) A01N 59/00 (2006.01) A61L 2/10 (2006.01)**
[25] EN
[54] **PLANT CULTIVATION SYSTEM**
[54] **SYSTEME DE CULTURE DE PLANTE**
[72] PECK, ANDREW, US
[72] HAMILTON, KENT, US
[71] PECK, ANDREW, US
[71] HAMILTON, KENT, US
[22] 2023-11-07
[41] 2024-05-07
[30] US (63382586) 2022-11-07

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[21] **3,219,071**
[13] A1
[51] **Int.Cl. A24C 5/06 (2006.01) A24C 5/00 (2020.01) A24C 5/02 (2006.01) A24C 5/60 (2006.01) A24D 1/18 (2006.01)**
[25] EN
[54] **CANNABIS OIL INJECTOR AND HEATING SYSTEM THEREFOR**
[54] **INJECTEUR D~HUILE DE CANNABIS ET SYSTEME DE CHAUFFAGE CONNEXE**
[72] ARCHAMBAULT, ROBERT, CA
[72] PETROV, EDOUARD, CA
[71] LE GROUPE SOLID PACKAGING ROBOTIK INC., CA
[22] 2023-11-06
[41] 2024-05-09
[30] US (63/382,965) 2022-11-09

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[21] **3,219,109**
[13] A1
[51] **Int.Cl. B64C 11/38 (2006.01) F01D 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING PROPELLER CONTROL UNIT FLUID PRESSURE**
[54] **SYSTEMES ET METHODES POUR CONTROLER LA PRESSION DE FLUIDE D'UNE UNITE DE COMMANDE D'HELICE**
[72] KRZYWON, JAGODA, CA
[72] LACHANCE, BENOIT, CA
[72] JARVO, JAMES, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-07
[41] 2024-05-08
[30] US (17/982,675) 2022-11-08

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[21] **3,219,111**
[13] A1
[51] **Int.Cl. E05B 41/00 (2006.01) E05B 17/00 (2006.01)**
[25] EN
[54] **DOGGING INDICATOR FOR DOOR EXIT DEVICE**
[54] **INDICATEUR DE RETENUE DE LEVIER POUR DISPOSITIF DE SORTIE DE PORTE**
[72] ELLER, DARREN C., US
[72] GERACI, ANDREW S., US
[72] PIANTEK, RYAN, US
[72] SANGSTER, RICHARD D., JR., US
[71] ASSA ABLOY ACCESS AND EGRESS HARDWARE GROUP, INC., US
[22] 2023-11-07
[41] 2024-05-07
[30] US (63/423,384) 2022-11-07

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[21] **3,219,112**
[13] A1
[51] **Int.Cl. A61H 33/00 (2006.01) E04H 4/00 (2006.01) F21V 23/00 (2015.01) F21V 31/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WIRED LIGHTING FOR A SPA**
[54] **SYSTEMES ET METHODES POUR L~ECLAIRAGE FILAIRE D~UN SPA**
[72] ANDERSON, TODD, US
[72] HALES, ERIC, US
[71] BULLFROG INTERNATIONAL, LC., US
[22] 2023-11-07
[41] 2024-05-09
[30] US (17/983,964) 2022-11-09

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[21] **3,219,116**
[13] A1
[51] **Int.Cl. F24F 1/035 (2019.01) F24F 7/003 (2021.01) F24F 8/108 (2021.01) B01D 29/07 (2006.01)**
[25] EN
[54] **KIT FOR AIR-FILTRATION ASSEMBLY**
[54] **TROUSSE POUR UN ENSEMBLE DE FILTRATION D'AIR**
[72] GREGERSON, GLEN O., US
[72] HILLSTROM, RILEY J., US
[72] TITKOS, LASZLO, US
[72] YANG, BO, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[22] 2023-11-07
[41] 2024-05-07
[30] US (63/423281) 2022-11-07

[21] **3,219,134**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) H04W 84/06 (2009.01) H04W 76/20 (2018.01) H04L 1/1812 (2023.01) H04W 72/1268 (2023.01) H04W 72/232 (2023.01) H04W 72/50 (2023.01)**
[25] EN
[54] **CONTROL CHANNEL MONITORING IN NON-TERRESTRIAL NETWORKS**
[54] **SURVEILLANCE DU CANAL DE COMMANDE DANS LES RESEAUX NON TERRESTRES**
[72] DASHTAKI, MOHAMMAD GHADIR KHOSHKHOLGH, US
[72] CIRIK, ALI CAGATAY, US
[72] DINAN, ESMAEL HEJAZI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-07
[41] 2024-05-07
[30] US (63/423,102) 2022-11-07

[21] **3,219,137**
[13] A1
[51] **Int.Cl. A61H 33/00 (2006.01) A47K 3/02 (2006.01) B05B 1/18 (2006.01) E03C 1/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A MULTI PATTERN SPA JET**
[54] **SYSTEMES ET METHODES POUR UN JET DE SPA A MULTIPLES MODES**
[72] HALES, ERIC, US
[72] KAMERATH, CHRISTOPHER, US
[72] ANDERSON, TODD, US
[72] ANDERSEN, MICHAEL, US
[71] BULLFROG INTERNATIONAL, LC., US
[22] 2023-11-06
[41] 2024-05-10
[30] US (17/984,738) 2022-11-10

[21] **3,219,140**
[13] A1
[51] **Int.Cl. H02J 50/10 (2016.01) H05B 47/00 (2020.01) A61H 33/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WIRELESS TRANSMISSION OF ELECTRICITY FOR SPA ILLUMINATION**
[54] **SYSTEMES ET METHODES DE TRANSMISSION SANS FIL D~ELECTRICITE POUR L~ECLAIRAGE DE SPA**
[72] ANDERSON, TODD, US
[72] HALES, ERIC, US
[72] ANDERSEN, MICHAEL, US
[71] BULLFROG INTERNATIONAL, LC, US
[22] 2023-11-06
[41] 2024-05-10
[30] US (17/984,872) 2022-11-10

[21] **3,219,237**
[13] A1
[51] **Int.Cl. B60Q 1/50 (2006.01) G09F 7/22 (2006.01)**
[25] EN
[54] **SELECTIVELY DEPLOYABLE INDICATOR ARM APPARATUS**
[54] **APPAREIL DE BRAS INDICATEUR SELECTIVEMENT DEPLOYABLE**
[72] GEYER, ROBERT, US
[72] GEYER, SCOTT, US
[72] CULBERTSON, SCOTT, US
[72] JENNINGS, DAVID, US
[72] PATER, RICH, US
[71] BUS SAFETY INC., US
[22] 2023-11-07
[41] 2024-05-09
[30] US (63/383,014) 2022-11-09
[30] CA (3,183,524) 2022-12-01

[21] **3,219,240**
[13] A1
[51] **Int.Cl. A23B 4/052 (2006.01) A23L 27/27 (2016.01) A23L 3/3409 (2006.01) A47J 37/06 (2006.01) A23B 7/144 (2006.01)**
[25] EN
[54] **COLD SMOKE GENERATOR**
[54] **GENERATEUR DE FUMEE A FROID**
[72] SCHOB, MANUEL, CH
[72] PFEIFER, STEFAN, CH
[71] OUTDOORCHEF AG, CH
[22] 2023-11-07
[41] 2024-05-10
[30] CH (CH-001344/2022) 2022-11-10

[21] **3,219,249**
[13] A1
[51] **Int.Cl. G06Q 30/0279 (2023.01) G06Q 40/00 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING AUTOMATED FUNDING OPPORTUNITY FEEDS**
[54] **SYSTEME ET METHODE POUR GENERER DES FLUX D~OCCASION DE FINANCEMENT AUTOMATISES**
[72] ROMANSKY, BRIAN MICHAEL, US
[72] ALI, SOHAIL RAMZAN, CA
[72] PETRICEVIC, JENNIFER LEIGH, CA
[72] DARJI, ANISH HASMUKHLAL, CA
[71] PROFOUND IMPACT CORPORATION, CA
[22] 2023-11-08
[41] 2024-05-11
[30] US (63/383,409) 2022-11-11

[21] **3,219,252**
[13] A1
[51] **Int.Cl. B26D 7/27 (2006.01) B26D 7/01 (2006.01)**
[25] EN
[54] **FOOD PRODUCT SLICER WITH OPTICAL KNIFE EDGE EVALUATION**
[54] **TRANCHEUSE DE PRODUIT ALIMENTAIRE COMPRENANT L~EVALUATION OPTIQUE DU TRANCHANT**
[72] BIRD, MATTHEW W., US
[72] LEUNG, LAWRENCE S., US
[72] JONES, THOMAS P., US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-11-07
[41] 2024-05-10
[30] US (63/424,252) 2022-11-10
[30] US (18/496,216) 2023-10-27

[21] **3,219,257**
[13] A1
[51] **Int.Cl. E01B 31/12 (2006.01) B08B 5/00 (2006.01) B23Q 11/00 (2006.01) B61D 15/00 (2006.01) B61D 49/00 (2006.01)**
[25] EN
[54] **SUCTION DEVICE FOR PARTICLES DURING MACHINING PROCESSING OF TRACK RAILS**
[54] **DISPOSITIF D~ASPIRATION DE PARTICULES COMPRENANT L~USINAGE DE RAILS**
[72] MEVERT, FRANK, DE
[71] SCHWEERBAU INTERNATIONAL GMBH & CO. KG, DE
[22] 2023-11-08
[41] 2024-05-09
[30] DE (10 2022 129 601.6) 2022-11-09

[21] **3,219,258**
[13] A1
[51] **Int.Cl. A24F 9/00 (2006.01) A24F 9/14 (2006.01)**
[25] EN
[54] **FLEXIBLE SCOOPING AND SCRAPING UTENSIL**
[54] **USTENSILE DE CUILLERE ET DE GRATTOIR SOUPLE**
[72] PURVIS, JESSE KENNETH, CA
[71] PURVIS, JESSE KENNETH, CA
[22] 2023-11-07
[41] 2024-05-08
[30] US (63423528) 2022-11-08

[21] **3,219,261**
[13] A1
[51] **Int.Cl. E04C 2/04 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **BUILDING MATERIALS COMPRISING AGGLOMERATED PARTICLES**
[54] **MATERIAUX DE CONSTRUCTION COMPRENANT DES PARTICULES AGGLOMEREES**
[72] WILSON, PETER, US
[71] SPECIALTY GRANULES INVESTMENTS LLC, US
[22] 2023-11-08
[41] 2024-05-08
[30] US (63/423,540) 2022-11-08

[21] **3,219,265**
[13] A1
[51] **Int.Cl. G02B 6/36 (2006.01) G02B 6/46 (2006.01)**
[25] EN
[54] **BULKHEAD ADAPTER ASSEMBLY HAVING INTEGRALLY MOLDED BODY AND METHOD FORMING SAME**
[54] **ASSEMBLAGE D~ADAPTATEUR DE TRAVERSEE DE CLOISON COMPRENANT UN CORPS INTEGRALEMENT FORME ET METHODE DE FABRICATION**
[72] KAPLAN, STEVEN E., US
[71] KAPLAN, STEVEN E., US
[22] 2023-11-07
[41] 2024-05-07
[30] US (63/423,121) 2022-11-07

[21] **3,219,271**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/255 (2006.01)**
[25] EN
[54] **MODULES FOR SPLICED CABLE CONNECTIONS**
[54] **MODULES DE RACCORDS DE CABLES EPISSES**
[72] TAKEUCHI, KENICHIRO, US
[72] CHEN, DAVID ZHI, US
[71] GO!FOTON HOLDINGS, INC., US
[22] 2023-11-07
[41] 2024-05-09
[30] US (18/379,430) 2023-10-12
[30] US (63/423,991) 2022-11-09

[21] **3,219,272**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H01M 10/617 (2014.01) H01M 10/65 (2014.01) H01M 50/247 (2021.01) H01M 50/574 (2021.01) H01M 10/44 (2006.01) H01M 10/46 (2006.01) H02J 3/00 (2006.01) H02M 7/04 (2006.01) H02M 7/44 (2006.01)**
[25] EN
[54] **A PORTABLE POWER SYSTEM AND USE THEREOF**
[54] **SYSTEME D~ALIMENTATION PORTATIF ET UTILISATION CONNEXE**
[72] RENAUD-BYRNE, FRANCOIS, CA
[72] PINOSA, MICHAEL, CA
[72] CUI, XIONGYI, CA
[71] HYBRID POWER SOLUTIONS, CA
[22] 2023-11-08
[41] 2024-05-08
[30] US (63423579) 2022-11-08

[21] **3,219,276**
[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) E05F 1/16 (2006.01) E06B 3/44 (2006.01) E06B 7/23 (2006.01)**
[25] EN
[54] **A WINDOW SASH AND METHOD OF MANUFACTURING THEREOF**
[54] **CHASSIS DE FENETRE ET METHODE DE FABRICATION**
[72] MARIK, CLEMENT, CA
[72] CASTONGUAY, ERIC, CA
[72] POIRIER, GABRIELLE, CA
[72] JOLY, STEPHANE, CA
[71] NOVATECH CANADA INC., CA
[22] 2023-11-08
[41] 2024-05-08
[30] US (63/382,784) 2022-11-08

[21] **3,219,301**
[13] A1
[51] **Int.Cl. H01R 33/00 (2006.01) B62J 6/00 (2020.01) H01R 13/639 (2006.01) H01R 33/975 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR ASSEMBLY**
[54] **ENSEMBLE CONNECTEUR ELECTRIQUE**
[72] ZYLINSKI, DAN, AU
[72] MCCLOY, BRADLEY JOHN, AU
[71] 360 TWO PTY LTD, AU
[22] 2023-11-08
[41] 2024-05-08
[30] AU (AU2022903338) 2022-11-08

[21] **3,219,314**
[13] A1
[25] EN
[54] **BLOCK VECTOR DIFFERENCE (BVD) INDICATION WITH REDUCED OVERHEAD**
[54] **INDICATION DE DIFFERENCE DE VECTEUR DE BLOC A SURDEBIT REDUIT**
[72] RUIZ COLL, DAMIAN, US
[72] WARUDKAR, VIKAS, US
[72] LEE, JUNG KYUNG, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2023-11-08
[41] 2024-05-08
[30] US (63/423,723) 2022-11-08
[30] US (63/434,736) 2022-12-22

[21] **3,219,318**
[13] A1
[51] **Int.Cl. F16L 55/18 (2006.01) B60P 3/00 (2006.01)**
[25] EN
[54] **OVER THE HOLE TRAILER**
[54] **REMORQUE AU-DESSUS DU TROU**
[72] O'DONNELL, NEIL, US
[72] SCHLAKE, KURT, US
[71] INA ACQUISITION CORP., US
[22] 2023-11-08
[41] 2024-05-09
[30] US (18/053982) 2022-11-09

[21] **3,219,378**
[13] A1
[51] **Int.Cl. B66F 3/24 (2006.01) B66F 5/04 (2006.01) F15B 15/16 (2006.01)**
[25] EN
[54] **LIFTING DEVICE**
[54] **DISPOSITIF DE LEVAGE**
[72] FRANZ, MARCEL, DE
[72] HENZLER, HOLGER, DE
[71] GL GMBH METALL- UND WERKSTATTECHNIK, DE
[22] 2023-11-08
[41] 2024-05-08
[30] DE (10 2022 129 425.0) 2022-11-08

[21] **3,219,404**
[13] A1
[51] **Int.Cl. G05D 1/227 (2024.01) G05D 1/667 (2024.01)**
[25] EN
[54] **MATERIAL HANDLING VEHICLE MODE TRANSITION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODE DE CHANGEMENT DE MODE DE VEHICULE DE MANUTENTION**
[72] MILLER, DANIEL B., US
[72] YAHNER, JOSEPH T., US
[71] THE RAYMOND CORPORATION, US
[22] 2023-11-08
[41] 2024-05-08
[30] US (63/423686) 2022-11-08
[30] US (63/429911) 2022-12-02

[21] **3,219,408**
[13] A1
[51] **Int.Cl. B62B 1/02 (2006.01) B62B 1/14 (2006.01) B62B 5/04 (2006.01) B66F 9/06 (2006.01)**
[25] EN
[54] **IMPROVED HAND TRUCK**
[54] **CHARIOT MANUEL AMELIORE**
[72] BULLE, SHAWN M., US
[72] BULLE, MARSHALL R., US
[71] LOCKDOWN SECURITIES, INC., US
[22] 2023-11-09
[41] 2024-05-10
[30] US (63/424,366) 2022-11-10

[21] **3,219,409**
[13] A1
[51] **Int.Cl. E04B 1/70 (2006.01) E04B 1/72 (2006.01)**
[25] EN
[54] **MULTILAYER VENT ATTACHED TOGETHER BY FILTER MEMBERS**
[54] **EVENT MULTICOUCHE ATTACHE A L~AIDE D~ELEMENTS DE FILTRE**
[72] PENNINGTON, TERRY A., US
[71] COR-A-VENT, INC., US
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/423,934) 2022-11-09

[21] **3,219,414**
[13] A1
[51] **Int.Cl. B60R 13/07 (2006.01) B62D 25/13 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **UTILITY VEHICLE FLUID CONTAINMENT SYSTEM**
[54] **SYSTEME DE CONFINEMENT DE FLUIDE POUR VEHICULE UTILITAIRE**
[72] WUOLLET, PEKKA, US
[72] ALBERS, JARED M., US
[72] SHAW, WILLIAM R., US
[71] POLARIS INDUSTRIES INC., US
[22] 2023-11-09
[41] 2024-05-11
[30] US (17/985,511) 2022-11-11

[21] **3,219,467**
[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 50/30 (2018.01) G06N 20/00 (2019.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACCIDENT PREDICTION**
[54] **SYSTEMES ET METHODES POUR UNE PREDICTION DES ACCIDENTS**
[72] LAMBERT, ALEXANDER, CA
[72] MCCOLEMAN, JOSHUA, CA
[71] GENTROO MOBILE MANAGEMENT LTD., CA
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/383,361) 2022-11-11

[21] **3,219,502**
[13] A1
[51] **Int.Cl. A47B 87/00 (2006.01) A47B 13/02 (2006.01) F16B 12/44 (2006.01)**
[25] EN
[54] **MODULAR TABLE ASSEMBLY**
[54] **ASSEMBLAGE DE TABLE MODULAIRE**
[72] AUBE, FREDERIC, CA
[72] LEBREUX, MARJORIE, CA
[71] COZEY INC., CA
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/382.986) 2022-11-09

[21] **3,219,520**
[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/14 (2006.01) B65G 57/00 (2006.01) E04F 13/00 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR STORING AND TRANSPORTING FACADE PANELS**
[54] **SYSTEMES, DISPOSITIFS ET METHODES POUR STOCKER ET TRANSPORTER DES PANNEAUX DE FACADE**
[72] SREEDHAR, AJAY, CA
[72] ALEXANDER, JHAN, CA
[72] BEADOW, JOHN, CA
[72] CHLUMECKY, MICHAL, CA
[71] ENNOVA FACADES INC., CA
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/424030) 2022-11-09

[21] **3,219,573**
[13] A1
[51] **Int.Cl. A61K 47/42 (2017.01) A61K 31/05 (2006.01) A61K 31/675 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) A61K 47/36 (2006.01)**
[25] EN
[54] **ORALLY ADMINISTRABLE FORMULATION**
[54] **FORMULATION ADMINISTREE ORALEMENT**
[72] GREENSPOON, ALLEN, CA
[72] ADILI, ANTHONY, CA
[71] GREENSPOON, ALLEN, CA
[71] ADILI, ANTHONY, CA
[22] 2023-11-10
[41] 2024-05-10
[30] US (63/383171) 2022-11-10

[21] **3,219,595**
[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) H02J 3/38 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **PROBABILISTIC CAPACITY PLANNING IN A POWER SYSTEM**
[54] **PLANIFICATION DE CAPACITE PROBABILISTE DANS UN SYSTEME D~ALIMENTATION**
[72] MAHANI, KHASHAYAR, US
[72] FARZAN, FARNAZ, US
[72] MASIELLO, RALPH DAVID, US
[71] QUANTA TECHNOLOGY, LLC, US
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/423,915) 2022-11-09

[21] **3,219,596**
[13] A1
[51] **Int.Cl. A61K 35/644 (2015.01) A61K 31/191 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND USES THEREFOR**
[54] **COMPOSITIONS ET UTILISATIONS CONNEXES**
[72] MOLONEY, ANTHONY PETER, AU
[71] MELCARE MEDICAL PTY LTD, AU
[22] 2023-11-10
[41] 2024-05-10
[30] AU (2022903374) 2022-11-10

[21] **3,219,623**
[13] A1
[51] **Int.Cl. G05D 1/622 (2024.01) B66F 9/06 (2006.01) G05D 1/242 (2024.01) G05D 1/246 (2024.01) G05D 1/43 (2024.01) G05D 1/617 (2024.01) G05D 1/646 (2024.01) G05D 1/648 (2024.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BYSTANDER POSE ESTIMATION FOR INDUSTRIAL VEHICLES**
[54] **SYSTEMES ET METHODES POUR L'ESTIMATION DE LA POSE DES PASSANTS POUR DES VEHICULES INDUSTRIELS**
[72] D'ACCOLTI, ANTHONY V., US
[72] MURLI, SATHVIK, US
[71] THE RAYMOND CORPORATION, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/424,748) 2022-11-11

[21] **3,219,650**
[13] A1
[51] **Int.Cl. G08G 1/00 (2006.01) B60W 30/08 (2012.01) B61L 29/28 (2006.01)**
[25] EN
[54] **PREDICTIVE RAILROAD CROSSING SAFETY NOTIFICATION AND TRAFFIC CONTROL SYSTEM AND METHODS**
[54] **SYSTEME ET METHODES PREDICTIFS D~AVIS DE SECURITE DE PASSAGE A NIVEAU ET DE CONTROLE DU TRAFIC**
[72] HILLEARY, THOMAS N., US
[71] THE ISLAND RADAR COMPANY, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (18/054572) 2022-11-11

[21] **3,219,651**
[13] A1
[51] **Int.Cl. B61L 15/00 (2006.01) B61L 27/00 (2022.01)**
[25] EN
[54] **SYSTEMS FOR COMMUNICATIONS BETWEEN HEAD OF-TRAIN AND END-OF-TRAIN**
[54] **SYSTEMES DE COMMUNICATION ENTRE L~AVANT ET L~ARRIERE DU TRAIN**
[72] SIRIWONGPAIRAT, WIPAWEE, US
[72] HIMSOON, THANONGSAK, US
[71] METEORCOMM, LLC, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/424,786) 2022-11-11

[21] **3,219,654**
[13] A1
[51] **Int.Cl. G01N 1/00 (2006.01) G01N 21/01 (2006.01) G01N 21/25 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DETECTION SYSTEM WITH ADJUSTABLE FLOW CONTROL**
[54] **SYSTEME DE DETECTION MICROFLUIDIQUE COMPRENANT UN CONTROLE DE FLUX AJUSTABLE**
[72] MAHSHID, SARA, CA
[72] JALALI, MAHSA, CA
[72] ABDELWAHAB, TAMER, CA
[72] YEDIRE, SRIPADH GUPTHA, CA
[72] HOSSEINI, SEYED IMMAN ISAAC, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/382,904) 2022-11-09

[21] **3,219,656**
[13] A1
[25] EN
[54] **METHOD FOR ESTABLISHING RESILLIENT PNT IN RAILROAD INFRASTRUCTURE**
[54] **METHODE POUR ETABLIR UN SYSTEME RESILIENT DE POSITIONNEMENT, NAVIGATION ET SYNCHRONISATION DANS UNE INFRASTRUCTURE DE VOIE FERREE**
[72] EDMONDSON, DEREK, US
[71] METEORCOMM, LLC, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/424,800) 2022-11-11

[21] **3,219,658**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD OF IMPROVING SENSOR RESPONSE FOR A MAGNETIC GATEWAY USING A MAGNETIC BUCKING APPARATUS**
[54] **SYSTEME ET METHODE D~AMELIORATION DE LA REPONSE DE CAPTEUR POUR UNE PASSERELLE MAGNETIQUE AU MOINS D~UN APPAREIL DE COMPENSATION MAGNETIQUE**
[72] HOLTMAN, ELLIOT MARK, CA
[72] VANDENHOOF, NICO, CA
[71] XTRACT ONE TECHNOLOGIES INC., CA
[22] 2023-11-09
[41] 2024-05-09
[30] US (63/423,827) 2022-11-09

[21] **3,219,663**
[13] A1
[51] **Int.Cl. G06V 10/44 (2022.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06V 10/94 (2022.01) G06V 40/16 (2022.01)**
[25] EN
[54] **FLEXIBLE LANDMARK DETECTION**
[54] **DETECTION DE POINTS DE REPERE SOUPLES**
[72] BRADLEY, DEREK EDWARD, US
[72] CHANDRAN, PRASHANTH, US
[72] URNAU GOTARDO, PAULO FABIANO, US
[72] ZOSS, GASPARD, US
[71] DISNEY ENTERPRISES, INC., US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/383,455) 2022-11-11
[30] US (18/505,017) 2023-11-08

[21] **3,219,697**
[13] A1
[51] **Int.Cl. B60K 1/04 (2019.01) B60K 16/00 (2020.01) B60S 5/06 (2019.01)**
[25] EN
[54] **ENERGY STORAGE SYSTEM FOR VEHICLE AND MOUNTING SYSTEM FOR SAME**
[54] **SYSTEME DE STOCKAGE D~ENERGIE POUR UN VEHICULE ET SYSTEME DE MONTAGE CONNEXE**
[72] BEANGE, CRAIG, CA
[72] BLACK, DANIEL, CA
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/424727) 2022-11-11
[30] US (63/426662) 2022-11-18

[21] **3,219,701**
[13] A1
[51] **Int.Cl. B60L 50/64 (2019.01) B60L 53/80 (2019.01) H01M 50/244 (2021.01) H01M 50/249 (2021.01) H01M 50/588 (2021.01)**
[25] EN
[54] **ENERGY STORAGE SYSTEM FOR VEHICLE AND ALIGNMENT SYSTEM FOR SAME**
[54] **SYSTEME DE STOCKAGE D~ENERGIE POUR UN VEHICULE ET SYSTEME D~ALIGNEMENT CONNEXE**
[72] BEANGE, CRAIG, CA
[72] BLACK, DANIEL, CA
[72] KARNS, RYAN, CA
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[22] 2023-11-10
[41] 2024-05-11
[30] US (63/424727) 2022-11-11
[30] US (63/426662) 2022-11-18

[21] **3,219,715**
[13] A1
[51] **Int.Cl. E04B 1/348 (2006.01) E04B 1/38 (2006.01) E04B 1/66 (2006.01) E04H 1/12 (2006.01) F16B 7/00 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **EXTERIOR SEALING SYSTEM FOR CONSTRUCTION MODULES**
[54] **SYSTEME D~ETANCHEITE EXTERIEURE POUR DES MODELES DE CONSTRUCTION**
[72] RASCHKE, RYAN, US
[72] WILSON, ALEXANDER, US
[72] SMITH, KIRT, US
[72] BUCHHEIT, JASON, US
[72] ADAMS, JARED, US
[71] MITEK HOLDINGS, INC., US
[22] 2023-11-10
[41] 2024-05-10
[30] US (63/383214) 2022-11-10

[21] **3,219,820**
[13] A1
[25] EN
[54] **INSUPERVISED OBJECT DETECTION FROM LIDAR POINT CLOUDS**
[54] **DETECTION D~OBJET NON SUPERVISEE A PARTIR DE NUAGES DE POINTS DE LIDAR**
[72] ZHANG, LUNJUN, CA
[72] XIONG, YUWEN, CA
[72] CASAS ROMERO, SERGIO, CA
[72] REN, MENGYE, CA
[72] URTASUN, RAQUEL, CA
[72] YANG, ANQI JOYCE, CA
[71] WAABI INNOVATION INC., CA
[22] 2023-11-13
[41] 2024-05-11
[30] US (63/424,856) 2022-11-11

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[21] **3,219,865**
[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/04 (2006.01)**
[25] EN
[54] **SHELL FOR PROTECTIVE HELMET AND ASSOCIATED PROTECTIVE HELMET**
[54] **COQUILLE POUR UN CASQUE DE PROTECTION ET CASQUE DE PROTECTION CONNEXE**
[72] UZZENI, PIER FRANCO, IT
[71] U-POWER GROUP S.P.A., IT
[22] 2023-11-10
[41] 2024-05-11
[30] IT (102022000023316) 2022-11-11

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[21] **3,219,871**
[13] A1
[25] EN
[54] **COMPACT LIDAR REPRESENTATION**
[54] **REPRESENTATION DE LIDAR COMPACTE**
[72] XIONG, YUWEN, CA
[72] MA, WEI-CHIU, CA
[72] WANG, JINGKANG, CA
[72] URTASUN, RAQUEL, CA
[71] WAABI INNOVATION INC., CA
[22] 2023-11-13
[41] 2024-05-11
[30] US (63/424,860) 2022-11-11

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[21] **3,219,874**
[13] A1
[25] EN
[54] **INFRARED SENSOR DEVICES AND METHODS TO DETECT ELECTROLYTE FLUID LEVELS IN BATTERY CELLS**
[54] **CAPTEURS INFRAROUGES ET METHODES POUR DETECTER DES NIVEAUX DE FLUIDE D~ELECTROLYTE DANS DES ELEMENTS DE BATTERIE**
[72] POTEMPA, EDWARD, US
[72] BAUM, ALLAN, US
[72] GUTTIERREZ-GUERRA, FRANCISCO, US
[71] BTECH, INC., US
[22] 2023-11-14
[41] 2024-05-11
[30] US (63/424,776) 2022-11-11
[30] US (18/389,193) 2023-11-13

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[21] **3,219,878**
[13] A1
[51] **Int.Cl. G05D 1/646 (2024.01) B60W 30/095 (2012.01) G05D 1/243 (2024.01) G05D 1/246 (2024.01) G05D 1/43 (2024.01)**
[25] EN
[54] **MIXED REALITY SIMULATION FOR AUTONOMOUS SYSTEMS**
[54] **SIMULATION EN REALITE MIXTE POUR DES SYSTEMES AUTONOMES**
[72] WONG, KELVIN, CA
[72] SUO, SIMON, CA
[72] URTASUN, RAQUEL, CA
[71] WAABI INNOVATION INC., CA
[22] 2023-11-13
[41] 2024-05-11
[30] US (63/424,850) 2022-11-11

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[21] **3,219,890**
[13] A1
[25] EN
[54] **MOBILE DEVICE FOR DYNAMOMETER CARD PROCESSING**
[54] **DISPOSITIF MOBILE POUR LE TRAITEMENT DE CARTE DYNAMOMETRIQUE**
[72] SAPONJA, JEFFREY CHARLES, CA
[72] HEIDEL, COLIN HARRY, CA
[71] OILIFY NEW-TECH SOLUTIONS INC., CA
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[25] EN
[54] **INDUSTRIAL GEOGRAPHIC INFORMATION SYSTEM**
[54] **SYSTEME D'INFORMATION GEOGRAPHIQUE INDUSTRIEL**
[72] MAO, SHANJUN, CN
[72] ZHANG, PENGPENG, CN
[72] ZHANG, HAOYUAN, CN
[72] CHEN, JINCHUAN, CN
[72] LI, MEI, CN
[72] CHEN, HUAZHOU, CN
[71] BEIJING LONGRUAN TECHNOLOGIES INC., CN
[71] PEKING UNIVERSITY, CN
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[25] EN
[54] **DEVICES FOR MOUNTING SOLAR PV PANELS TO ROOFS AND OTHER MOUNTING STRUCTURES**
[54] **DISPOSITIFS D~INSTALLATION DE PANNEAUX PHOTOVOLTAIQUES SOLAIRES SUR DES TOITS ET D~AUTRES STRUCTURES DE MONTAGE**
[72] JASMIN, ROLAND, US
[72] LIU, JUN, US
[72] MUMMA, STEVE, US
[71] SUNMODO CORPORATION, US
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[25] EN
[54] **LIQUID COOLING HEAT DISSIPATION PLATE AND LIQUID COOLING ELECTRONIC DEVICE**
[54] **PLAQUE DE DISSIPATION THERMIQUE A REFROIDISSEMENT PAR LIQUIDE ET DISPOSITIF ELECTRONIQUE A REFROIDISSEMENT PAR LIQUIDE**
[72] GUO, HAIFENG, CN
[72] CHEN, QIAN, CN
[72] LIU, FANGYU, CN
[72] GAO, YANG, CN
[72] WU, YUEFENG, CN
[71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
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[86] 2023-03-03 (PCT/CN2023/079516)
[87] (3201617)
[30] CN (202211395638.0) 2022-11-09

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[51] **Int.Cl. H01M 50/531 (2021.01) H01M 50/528 (2021.01)**
[25] EN
[54] **DESIGN METHOD FOR CONNECTION SHEET, CONNECTION SHEET, ENERGY STORAGE DEVICE AND ELECTRIC DEVICE**
[54] **METHODE DE CONCEPTION POUR UNE FEUILLE DE RACCORD ELECTRIQUE, LADITE FEUILLE, DISPOSITIF DE STOCKAGE D'ENERGIE ET DISPOSITIF ELECTRIQUE**
[72] HUANG, HANCHUAN, CN
[71] XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., CN
[85] 2023-11-29
[86] 2022-12-26 (PCT/CN2022/142025)
[87] (3220822)
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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/06 (2012.01)**
[25] EN
[54] **METHOD OF OIL AND GAS PRODUCTION USING IDENTIFICATION OF FRACTURE DEVELOPMENT ZONES IN MULTISTAGE HYDRAULIC FRACTURING**
[54] **METHODE DE PRODUCTION DE PETROLE ET DE GAZ UTILISANT LA DETERMINATION DE ZONES DE MISE EN VALEUR DE FRACTURATION DANS LES PROCEDES DE FRACTURATION HYDRAULIQUE A ETAGES MULTIPLES**
[72] BADAZHKOV, DMITRII VIKTOROVICH, RU
[71] SMART ALGORITMS LIMITED LIABILITY COMPANY, RU
[85] 2023-12-27
[86] 2023-10-13 (PCT/RU2023/050239)
[87] (3224229)
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[54] **PROPPANT PARTICULATES FORMED FROM DELAYED COKE AND METHODS RELATED THERETO**
[54] **PARTICULES D'AGENT DE SOUTENEMENT FORMEES DE COKE RETARDE ET METHODES CONNEXES**
[72] GORDON, PETER A., US
[72] FENG, LANG, US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
[85] 2024-03-05
[86] 2023-10-12 (PCT/US2023/035050)
[87] (3231093)
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[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **USER EQUIPMENT-TO-NETWORK RELAY SECURITY FOR PROXIMITY BASED SERVICES**
[54] **SECURITE DE RELAIS D'EQUIPEMENT UTILISATEUR A RESEAU POUR DES SERVICES BASES SUR LA PROXIMITE**
[72] LIU, YUZE, CN
[72] YOU, SHILIN, CN
[72] PENG, JIN, CN
[72] XING, ZHEN, CN
[72] LIN, ZHAOJI, CN
[71] ZTE CORPORATION, CN
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[51] **Int.Cl. A61K 31/225 (2006.01) A23L 33/10 (2016.01) A61P 3/02 (2006.01)**
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[54] **KETONE PRECURSORS AND METHODS THEREFOR**
[54] **PRECURSEURS DE CETONE ET PROCEDES CORRESPONDANTS**
[72] ANDRYIANAU, GLEB, PL
[72] PIETRZKOWSKI, ZBIGNIEW, US
[71] VDF FUTURECEUTICALS, INC., US
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[25] FR
[54] **HYDROCONVERSION IN A BUBBLING OR HYBRID BUBBLING/ENTRAINED BED OF A FEEDSTOCK COMPRISING A PLASTIC FRACTION**
[54] **HYDROCONVERSION EN LIT BOUILLONNANT OU HYBRIDE BOUILLONNANT ENTRAINE D'UNE CHARGE COMPORTANT UNE FRACTION PLASTIQUE**
[72] BARBE, JEAN-PATRICK, FR
[72] BONNIN, CHARLES, FR
[72] WEISS, WILFRIED, FR
[72] MARQUES, JOAO, FR
[72] NGUYEN-HONG, DUC, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2024-05-01
[86] 2022-12-13 (PCT/EP2022/085702)
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[54] **HIGH PLANT PUFA FISH FOOD**
[54] **ALIMENT POUR POISSONS A HAUTE TENEUR EN AGPI D'ORIGINE VEGETALE**
[72] HONG, JEONGWHUI, US
[72] IASSONOVA, DILIARA, US
[72] SMALL, BRIAN CHRISTOPHER, US
[71] CAN TECHNOLOGIES, INC., US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/079475)
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[51] **Int.Cl. B60T 17/08 (2006.01) B60T 17/16 (2006.01) B60T 17/22 (2006.01) B61H 1/00 (2006.01) F16D 63/00 (2006.01)**
[25] EN
[54] **RAILWAY BRAKING SYSTEM AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] GERBER-PAPIN, DENIS, FR
[72] BONHOMME, GUILLAUME, FR
[72] LEDOUX, MARC-EDOUARD, FR
[71] WABTEC HAUTS-DE-FRANCE, FR
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[86] 2022-12-20 (PCT/FR2022/052436)
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[54] **NOVEL BACTERIAL TRANSLOCATION DOMAINS AND RECOMBINANT POLYPEPTIDES COMPRISING THEM FOR USE IN CELLULAR DELIVERY**
[54] **NOUVEAUX DOMAINES DE TRANSLOCATION BACTERIENNE ET POLYPEPTIDES RECOMBINANTS LES COMPRENANT, DESTINES A ETRE UTILISES DANS L'ADMINISTRATION CELLULAIRE**
[72] MELNYK, ROMAN, CA
[72] BEILHARTZ, GREG, CA
[72] GILL, SHIVNEET, CA
[72] SUGIMAN-MARANGOS, SEIJI, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[85] 2024-05-02
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[51] **Int.Cl. F24H 4/02 (2022.01) F24D 3/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HEATING**
[54] **PROCEDE ET SYSTEME DE CHAUFFAGE**
[72] SIMPPALA, MATTI, FI
[71] ROTOTEC GROUP AB, SE
[85] 2024-05-02
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[51] **Int.Cl. B25H 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR ASSEMBLING A STRUCTURE FOR A TOOL HOLDER AND AN APPARATUS COMPRISING SAID TOOL HOLDER, AND CORRESPONDING STRUCTURE AND APPARATUS**
[54] **PROCEDE DE MONTAGE D'UNE STRUCTURE POUR PORTE-OUTILS ET D'UNE INSTALLATION LE COMPORTANT, STRUCTURE ET INSTALLATION CORRESPONDANTES**
[72] EUGENE, OLIVIER, FR
[71] AXL TECHNOLOGIES, FR
[85] 2024-05-02
[86] 2022-11-07 (PCT/EP2022/080982)
[87] (WO2023/083748)
[30] FR (FR2111889) 2021-11-09

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[51] **Int.Cl. H04W 72/04 (2023.01)**
[25] EN
[54] **COMMUNICATION METHOD AND COMMUNICATION APPARATUS**
[54] **PROCEDE DE COMMUNICATION ET APPAREIL DE COMMUNICATION**
[72] GONG, BO, CN
[72] LIU, CHENCHEN, CN
[72] GAN, MING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-05-02
[86] 2022-10-24 (PCT/CN2022/126982)
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[30] CN (202111343099.1) 2021-11-12

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH CENTRAL HYPOVENTILATION**
[54] **METHODES ET COMPOSITIONS POUR TRAITER DES ETATS ASSOCIES A UNE HYPOVENTILATION CENTRALE**
[72] TARANTO-MONTEMURRO, LUIGI, US
[72] WHITE, DAVID P., US
[72] FARKAS, RONALD, US
[72] MILLER, LAWRENCE G., US
[71] APNIMED, INC. (DELAWARE), US
[85] 2024-05-02
[86] 2022-11-10 (PCT/US2022/049483)
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[51] **Int.Cl. C08J 11/10 (2006.01) C12N 9/18 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **ESTERASES AND USES THEREOF**
[54] **ESTERASES ET LEURS UTILISATIONS**
[72] MARTY, ALAIN, FR
[72] ANDRE, ISABELLE, FR
[72] ARNAL, GREGORY, FR
[72] DUQUESNE, SOPHIE, FR
[72] GAVALDA, SABINE, FR
[72] GUEROULT, MARC, FR
[72] TOURNIER, VINCENT, FR
[71] CARBIOS, FR
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[54] **TARGETED LINEAR CONJUGATES COMPRISING POLYETHYLENEIMINE AND POLYETHYLENE GLYCOL AND POLYPLEXES COMPRISING THE SAME**
[54] **CONJUGUES LINEAIRES CIBLES COMPRENANT DU POLYETHYLENEIMINE ET DU POLYETHYLENE GLYCOL ET POLYPLEXES COMPRENANT CEUX-CI**
[72] KITAS, ERIC, CH
[72] ZIGLER, MAYA, CH
[72] POMBO-VILLAR, ESTEBAN, CH
[71] TARGIMMUNE THERAPEUTICS AG, CH
[85] 2024-05-02
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[25] EN
[54] **FIXING STRUCTURE OF ELECTRODE TERMINAL, AND BATTERY, BATTERY PACK AND VEHICLE INCLUDING THE SAME**
[54] **STRUCTURE DE FIXATION DE BORNE D'ELECTRODE, ET BATTERIE, BLOC-BATTERIE ET VEHICULE LA COMPRENANT**
[72] MIN, GEON-WOO, KR
[72] JO, MIN-KI, KR
[72] KIM, DO-GYUN, KR
[72] HWANGBO, KWANG-SU, KR
[72] KIM, JAE-WOONG, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-02
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[25] EN
[54] **THERAPEUTIC COMPOUNDS FOR HIV VIRUS INFECTION**
[54] **COMPOSES THERAPEUTIQUES POUR L'INFECTION PAR LE VIRUS DU VIH**
[72] DU, ZHIMIN, US
[72] FARAND, JULIE, US
[72] GUNEY, TEZCAN, US
[72] KATO, DARRYL, US
[72] MACK, JAMES B. C., US
[72] MUN, DONG MIN, US
[72] WATKINS, WILLIAM J., US
[72] ZHANG, JENNIFER R., US
[72] DU, ZHIMIN, US
[72] FARAND, JULIE, US
[72] GUNEY, TEZCAN, US
[72] KATO, DARRYL, US
[72] LINK, JOHN O., US
[72] MACK, JAMES B. C., US
[72] MUN, DONG MIN, US
[72] WATKINS, WILLIAM J., US
[72] ZHANG, JENNIFER R., US
[71] GILEAD SCIENCES, INC., US
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 19/02 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE IMIDAZO[4,5-B]PYRIDINE COMPOUND, PHARMACEUTICAL COMPOSITIONS, AND THEIR USE IN TREATING MEDICAL CONDITIONS**
[54] **COMPOSE IMIDAZO[4,5-B]PYRIDINE CRISTALLIN, COMPOSITIONS PHARMACEUTIQUES ET LEUR UTILISATION DANS LE TRAITEMENT D'ETATS MEDICAUX**
[72] ROBERT, BENOIT, US
[71] GENZYME CORPORATION, US
[85] 2024-05-02
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[87] (WO2023/086564)
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[54] **FIRE SPRINKLER SYSTEM FOR BUILDING MANAGEMENT**
[54] **SYSTEME D'EXTINCTEUR D'INCENDIE POUR LA GESTION DE BATIMENTS**
[72] CERTAIN, COREY, US
[72] CHITRE, KUNAL, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2024-05-02
[86] 2022-08-22 (PCT/US2022/040990)
[87] (WO2023/086138)
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[13] A1
[51] **Int.Cl. H01L 27/14 (2006.01) H01L 27/144 (2006.01) H01L 27/146 (2006.01)**
[25] EN
[54] **EDGE ARRANGMENT FOR TILEABLE PIXELATED EMISSION SENSOR**
[54] **AGENCEMENT DE BORD POUR CAPTEUR D'EMISSION PIXELISE POUVANT ETRE AFFICHE EN MOSAIQUE**
[72] VIJA, ALEXANDER HANS, US
[72] RODRIGUES, MIESHER, US
[71] SIEMENS MEDICAL SOLUTIONS USA, INC, US
[85] 2024-05-02
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[25] EN
[54] **METHODS AND SYSTEMS FOR HIGH-THROUGHPUT BIOCHEMICAL SCREENS**
[54] **PROCEDES ET SYSTEMES POUR CRIBLES BIOCHIMIQUES A HAUT RENDEMENT**
[72] FOX, JEROME MICHAEL, US
[72] FODERARO, TOM, US
[72] SARKAR, ANKUR KULSHRESHTHA, US
[72] O'CONNOR, NOLAN, US
[72] TRAYLOR, MATTHEW, US
[72] MARKLEY, ANDREW, US
[72] KRAMER, LEVI DANIEL, US
[72] EDSTROM, HANNAH, US
[72] DONOVAN, GREGORY, US
[71] THINK BIOSCIENCE, INC., US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/079253)
[87] (WO2023/081783)
[30] US (63/274,988) 2021-11-03
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[54] **SNOW BLOWER**
[54] **BALAYEUSE A NEIGE**
[72] KONG, MENG, CN
[72] YAMAOKA, TOSHINARI, CN
[72] FU, HUIXING, CN
[72] FANG, YONGQING, CN
[72] FENG, JIFENG, CN
[72] WANG, PENG, CN
[72] GUO, ZENGBING, CN
[71] NANJING CHERVON INDUSTRY CO., LTD., CN
[85] 2024-05-01
[86] 2023-06-01 (PCT/CN2023/097723)
[87] (WO2023/236841)
[30] CN (202210652688.6) 2022-06-10
[30] CN (202210652679.7) 2022-06-10
[30] CN (202210652337.5) 2022-06-10
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[30] CN (202210652331.8) 2022-06-10

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[25] EN
[54] **MAGNETIC MICROGEL BEADS, METHODS OF MAKING AND USES THEREOF**
[54] **BILLES DE MICROGEL MAGNETIQUES, PROCEDES DE FABRICATION ET UTILISATIONS DE CELLE-CI**
[72] SOLEYMANI, LEYLA, CA
[72] HOARE, TODD, CA
[72] LI, YINGFU, CA
[72] LU, YANG, CN
[72] PANDEY, RICHA, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2024-05-01
[86] 2022-11-14 (PCT/CA2022/051679)
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[30] US (63/279,417) 2021-11-15

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[13] A1
[51] **Int.Cl. A61F 5/052 (2006.01) A43B 7/20 (2006.01)**
[25] EN
[54] **ORTHOTIC FOOT BRACE AND METHOD OF ASSEMBLY THEREOF**
[54] **ORTHESE DE PIED ET PROCEDE D'ASSEMBLAGE ASSOCIE**
[72] SAVARD, STEPHANE, CA
[72] COTE, FRANCOIS, CA
[71] ORTHESES TURBOMED INC. / TURBOMED ORTHOTICS INC., CA
[85] 2024-05-01
[86] 2022-12-15 (PCT/CA2022/051826)
[87] (WO2023/108280)
[30] US (63/289,675) 2021-12-15

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **BISPECIFIC ANTIBODIES TARGETING CD137 AND USES THEREOF FOR ANTI-CANCER IMMUNOTHERAPY**
[54] **ANTICORPS BISPECIFIQUES CIBLANT CD137 ET LEURS UTILISATIONS DANS L'IMMUNOTHERAPIE ANTICANCEREUSE**
[72] HER, JENG-HORNG, US
[72] HUANG, PO-LIN, TW
[72] HSIEH, HSIN-TA, TW
[72] HSU, CHING-HSUAN, TW
[72] YOU, JHONG-JHE, TW
[71] AP BIOSCIENCES, INC., TW
[85] 2024-05-03
[86] 2022-11-18 (PCT/US2022/050472)
[87] (WO2023/091712)
[30] US (63/281,347) 2021-11-19
[30] US (63/392,474) 2022-07-26

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[51] **Int.Cl. B60R 11/00 (2006.01) B60D 1/62 (2006.01) B60S 1/54 (2006.01) B62D 53/00 (2006.01)**
[25] EN
[54] **TRACTOR TRAILER COMPRESSED AIR SYSTEM WITH ACCESSORIES**
[54] **SYSTEME D'AIR COMPRIME DE REMORQUE DE TRACTEUR MUNI D'ACCESSOIRES**
[72] MCRAE, CECIL KENNETH, CA
[71] MCRAE, CECIL KENNETH, CA
[85] 2024-05-03
[86] 2022-10-19 (PCT/CA2022/051542)
[87] (WO2023/081994)
[30] US (17/521,938) 2021-11-09

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[51] **Int.Cl. A61B 5/026 (2006.01) A61B 5/0275 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MEASURING ABSOLUTE CONCENTRATION VALUES OF COMPONENTS, BLOOD FLOW AND BLOOD VOLUME IN A TISSUE**
[54] **PROCEDES ET APPAREIL DE MESURE DE VALEURS ABSOLUES DE CONCENTRATION EN CONSTITUANTS, DE FLUX SANGUIN ET DE VOLUME SANGUIN DANS UN TISSU**
[72] BAUMANN, DIRK, CH
[72] FROHLICH, JURG HANS, CH
[72] MUSER, MARKUS HUGO, CH
[71] LUCIOLE MEDICAL AG, CH
[85] 2024-05-01
[86] 2021-08-11 (PCT/EP2021/072372)
[87] (WO2023/016636)

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[51] **Int.Cl. A61N 5/06 (2006.01) A61N 5/08 (2006.01)**
[25] EN
[54] **PHOTOBIOMODULATION DEVICE**
[54] **DISPOSITIF DE PHOTOBIOMODULATION**
[72] YOUNGBLOOD, JIMMY, US
[72] CURRIER, MATTHEW, US
[71] YOUNGBLOOD, JIMMY, US
[71] CURRIER, MATTHEW, US
[85] 2024-05-03
[86] 2022-11-02 (PCT/US2022/048730)
[87] (WO2023/081227)
[30] US (63/275,304) 2021-11-03

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[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/422 (2006.01) A61P 25/16 (2006.01) C07D 413/06 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **DIOXAZINES AND THEIR USE IN TREATMENT OF GBA-RELATED DISEASES**
[54] **DIOXAZINES ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES ASSOCIEES A GBA**
[72] NEVE, SOREN, DK
[72] BROWN, WILLIAM DALBY, DK
[72] THIRSTRUP, KENNETH, DK
[71] ZEVRA DENMARK A/S, DK
[85] 2024-03-19
[86] 2022-09-27 (PCT/IB2022/059202)
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[51] **Int.Cl. A61K 31/195 (2006.01) A61M 5/20 (2006.01) A61P 7/04 (2006.01) C07C 229/46 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR MEDICAMENT DELIVERY**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ADMINISTRATION DE MEDICAMENT**
[72] CURIAL, MARC, CA
[72] TERRIFF, CHRISTOPHER, CA
[72] KORAVANKUDI, BIJU ISAAC, CA
[72] COMEAU, WILL, CA
[72] MCCONKEY, RYLEY, CA
[71] MACH32 INC., CA
[85] 2024-04-30
[86] 2022-11-02 (PCT/CA2022/051623)
[87] (WO2023/077225)
[30] US (63/274,617) 2021-11-02
[30] CA (PCT/CA2022/050057) 2022-01-14

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[51] **Int.Cl. A61L 11/00 (2006.01) B09B 3/00 (2022.01) B65F 1/00 (2006.01)**
[25] FR
[54] **BOX INTENDED TO RECEIVE WASTE, IN PARTICULAR MEDICAL WASTE**
[54] **BOITE DESTINEE A RECEVOIR DES DECHETS, EN PARTICULIER DES DECHETS MEDICAUX**
[72] PIAZZA, LOUIS, FR
[71] EUROPE METAL CONCEPT (EMC), FR
[85] 2024-03-27
[86] 2022-09-22 (PCT/FR2022/051781)
[87] (WO2023/052709)
[30] FR (FR2110307) 2021-09-30

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[51] **Int.Cl. A61K 31/573 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **CORTICOSTERIOD REDUCTION IN TREATMENT WITH ANTI-CD38 ANTIBODIES**
[54] **REDUCTION DE CORTICOSTEROIDE DANS UN TRAITEMENT AVEC DES ANTICORPS ANTI-CD38**
[72] HELLEMANS, PETER, BE
[72] QI, MING, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-04-30
[86] 2022-11-03 (PCT/IB2022/060616)
[87] (WO2023/079494)
[30] US (63/275,157) 2021-11-03
[30] US (63/280,791) 2021-11-18
[30] US (63/288,785) 2021-12-13
[30] US (63/394,726) 2022-08-03

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[51] **Int.Cl. A01G 25/00 (2006.01) A01G 25/09 (2006.01) A01M 7/00 (2006.01) B65H 75/34 (2006.01) B65H 75/40 (2006.01) B65H 75/44 (2006.01)**
[25] EN
[54] **CROP INPUT APPLICATION APPARATUS, SYSTEMS AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES D'APPLICATION D'ENTREE DE CULTURE**
[72] SAUDER, GREGGORY, US
[72] SAUDER, TIMOTHY, US
[72] KOCH, JUSTIN, US
[72] MOORE, NOWELL, US
[72] ABERLE, REID, US
[72] NAFZINGER, TYLER, US
[72] HESTERBERG, CONNOR, US
[72] WELTE, JONATHAN, US
[72] WAREMBURG, KYLE, US
[72] NUEST, STEVEN, US
[71] MA INDUSTRIES, LLC, US
[85] 2024-04-30
[86] 2021-11-01 (PCT/US2021/072159)
[87] (WO2022/094626)
[30] US (63/107,609) 2020-10-30
[30] US (63/138,222) 2021-01-15
[30] US (63/149,644) 2021-02-15
[30] US (63/260,444) 2021-08-19

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[51] **Int.Cl. C21B 13/00 (2006.01) C22B 7/02 (2006.01)**
[25] EN
[54] **FACILITY FOR PRODUCING REDUCED IRON AND METHOD FOR PRODUCING REDUCED IRON**
[54] **INSTALLATION DE PRODUCTION DE FER REDUIT ET PROCEDE DE PRODUCTION DE FER REDUIT**
[72] USHIO, SHOJI, JP
[72] SUZUKI, KIMIHITO, JP
[72] IIJIMA, TAKASHI, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2024-05-03
[86] 2022-11-30 (PCT/JP2022/044198)
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[30] JP (2021-194494) 2021-11-30

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[51] **Int.Cl. A01G 25/09 (2006.01) H02G 1/08 (2006.01)**
[25] EN
[54] **CROP INPUT APPLICATION APPARATUS, SYSTEMS AND METHODS**
[54] **APPAREIL, SYSTEMES ET PROCEDES D'APPLICATION DE FACTEURS DE PRODUCTION AGRICOLES DE CULTURES**
[72] SAUDER, GREGGORY, US
[72] SAUDER, TIMOTHY, US
[72] KOCH, JUSTIN, US
[72] MOORE, NOWELL, US
[72] ABERLE, REID, US
[72] NAFZINGER, TYLER, US
[72] HESTERBERG, CONNOR, US
[72] WELTE, JONATHAN, US
[72] WAREMBURG, KYLE, US
[72] NUEST, STEVEN, US
[71] MA INDUSTRIES, LLC, US
[85] 2024-04-30
[86] 2021-11-01 (PCT/US2021/072169)
[87] (WO2022/094631)
[30] US (63/107,608) 2020-10-30
[30] US (63/138,222) 2021-01-15
[30] US (63/149,644) 2021-02-15
[30] US (63/260,444) 2021-08-19

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[13] A1
[51] **Int.Cl. A61K 31/191 (2006.01) A61P 3/04 (2006.01) A23L 33/00 (2016.01)**
[25] EN
[54] **ADMINISTRATION OF R-BETA-HYDROXYBUTYRATE AND RELATED COMPOUNDS IN HUMANS**
[54] **ADMINISTRATION DE R-BETA-HYDROXYBUTYRATE ET DE COMPOSES APPARENTES CHEZ L'ETRE HUMAIN**
[72] LOWERY, RYAN, US
[72] WILSON, JACOB, US
[72] LACORE, TERRY, US
[71] AXCESS GLOBAL SCIENCES, LLC, US
[85] 2024-04-30
[86] 2022-07-01 (PCT/US2022/036030)
[87] (WO2023/278881)
[30] US (17/367,206) 2021-07-02

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[51] **Int.Cl. H04N 21/25 (2011.01) H04N 21/258 (2011.01) H04N 21/431 (2011.01) H04N 21/4722 (2011.01) H04N 21/488 (2011.01) H04N 21/6587 (2011.01) H04N 21/81 (2011.01) H04N 21/845 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO ENHANCE SEGMENT DURING TRICK PLAY**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER UN SEGMENT PENDANT UN FLUX CODE**
[72] PANCHAKSHARAIAH, VISHWAS SHARADANAGAR, IN
[72] SREEKANTH, HARSHITH KUMAR GEJJEGONDANAHALLY, IN
[72] NAGDEVE, PAWAN, IN
[72] MAKKAR, ANJUM, IN
[72] HARB, REDA, US
[71] ROVI GUIDES, INC., US
[85] 2024-04-30
[86] 2022-11-03 (PCT/US2022/048775)
[87] (WO2023/081257)
[30] US (17/519,137) 2021-11-04

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[13] A1
[51] **Int.Cl. B65G 21/06 (2006.01) B65G 39/12 (2006.01)**
[25] FR
[54] **DEVICE FOR LATERALLY GUIDING AN ENDLESS CONVEYOR BELT OF A TROUGH CONVEYOR**
[54] **DISPOSITIF DE GUIDAGE LATERAL D'UNE BANDE TRANSPORTEUSE SANS FIN DE CONVOYEUR AUGE**
[72] ALTIMARI, SAMUEL, FR
[72] BENARD, OLIVIER, FR
[71] SOCIETE FINANCIERE DE GESTION (SOCIETE CIVILE), FR
[85] 2024-05-03
[86] 2022-12-09 (PCT/EP2022/085220)
[87] (WO2023/110676)
[30] FR (FR2113938) 2021-12-19

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[13] A1
[51] **Int.Cl. G05B 17/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING PROCESS PARAMETERS FOR A MANUFACTURING PROCESS OF A REAL PRODUCT**
[54]
[72] ROHKOHL, ERIK, DE
[72] KRAKEN, MATHIAS, DE
[72] SCHONEMANN, MALTE, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[85] 2024-05-03
[86] 2022-11-04 (PCT/EP2022/080781)
[87] (WO2023/079061)
[30] DE (10 2021 128 718.9) 2021-11-04

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **CARDIAC VALVE REPAIR DEVICES**
[54] **DISPOSITIFS DE REPARATION DE VALVULE CARDIAQUE**
[72] MCLEAN, MATTHEW, US
[72] GONZALEZ, JOSE, US
[72] KRISHNAMURTHY, GAURAV, US
[72] ZIMMERMAN, NEIL, US
[72] O'GRADY, ROBERT, US
[72] GIFFORD III, HANSON S., US
[71] HALF MOON MEDICAL, INC., US
[85] 2024-04-30
[86] 2022-11-04 (PCT/US2022/048999)
[87] (WO2023/081384)
[30] US (63/275,907) 2021-11-04

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[13] A1
[51] **Int.Cl. C08L 5/08 (2006.01) C08B 37/08 (2006.01) C08J 3/075 (2006.01)**
[25] EN
[54] **NOVEL N-ALDEHYDE-FUNCTIONALIZED CHITOSAN PREPARATION METHOD AND BIOMEDICAL USES THEREOF**
[54] **NOUVEAU PROCEDE DE PREPARATION DE CHITOSANE FONCTIONNALISE PAR N-ALDEHYDE ET SES UTILISATIONS BIOMEDICALES**
[72] CHENITE, ABDELLATIF, CA
[72] ASSAAD, ELIAS, CA
[72] FAKHARI TEHRANI, SOUDEH, CA
[72] SELMANI, SAM ALEXANDRE, CA
[71] OLIGO MEDIC INC., CA
[85] 2024-05-01
[86] 2022-10-25 (PCT/CA2022/051570)
[87] (WO2023/077212)
[30] US (63/276,051) 2021-11-05

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[13] A1
[51] **Int.Cl. G16H 20/17 (2018.01) G16H 20/13 (2018.01)**
[25] EN
[54] **LIGHT-BASED VISUAL CUEING OF MEDICATION DELIVERY INSTRUCTIONS**
[54] **REPERAGE VISUEL A BASE DE LUMIERE D'INSTRUCTIONS D'ADMINISTRATION DE MEDICAMENT**
[72] TANSKY, JASON, US
[71] JANSSEN RESEARCH & DEVELOPMENT, LLC, US
[85] 2024-04-30
[86] 2022-10-17 (PCT/IB2022/059960)
[87] (WO2023/079392)
[30] US (63/275,837) 2021-11-04

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[13] A1
[51] **Int.Cl. A61K 35/744 (2015.01) A61K 36/06 (2006.01) A61P 3/10 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **DPP-4 INHIBITOR AND METHOD FOR PRODUCING SAME**
[54] **INHIBITEUR DE DPP-4 ET SON PROCEDE DE PRODUCTION**
[72] KUSUMOTO, MASANORI, JP
[72] YONEYAMA, TOSHIHIRO, JP
[72] AOKI, MIKIO, JP
[72] MIKATA, KAZUKI, JP
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2024-04-30
[86] 2022-11-02 (PCT/JP2022/041030)
[87] (WO2023/080166)
[30] JP (2021-181022) 2021-11-05

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[13] A1
[51] **Int.Cl. H01M 10/0567 (2010.01) H01M 10/052 (2010.01) H01M 4/48 (2010.01)**
[25] EN
[54] **NON-AQUEOUS ELECTROLYTE AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME**
[54] **ELECTROLYTE NON AQUEUX ET BATTERIE SECONDAIRE AU LITHIUM LE COMPRENANT**
[72] CHO, YOON GYO, KR
[72] LEE, JUNG MIN, KR
[72] LEE, CHUL HAENG, KR
[72] OH, JEONG WOO, KR
[72] KIM, EUN BEE, KR
[72] YEOM, CHUL EUN, KR
[72] HAN, JUNG GU, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-04-30
[86] 2023-05-12 (PCT/KR2023/006514)
[87] (WO2023/219474)
[30] KR (10-2022-0059163) 2022-05-13
[30] KR (10-2023-0061896) 2023-05-12

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[51] **Int.Cl. B65D 1/26 (2006.01) B65D 3/06 (2006.01) D21H 21/16 (2006.01) D21H 21/18 (2006.01)**
[25] EN
[54] **FIBER-BASED CUP DESIGN, CHEMISTRY, AND TOOLING**
[54] **CONCEPTION DE GOBELET A BASE DE FIBRES, CHIMIE ET OUTILLAGE**
[72] CHUNG, YOKE DOU, US
[72] ZHANG, YIYUN, US
[72] LEE, CHEE, US
[71] FOOTPRINT INTERNATIONAL, LLC, US
[85] 2024-05-01
[86] 2022-09-14 (PCT/US2022/043516)
[87] (WO2023/080960)
[30] US (63/274,648) 2021-11-02

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[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **POSITIONAL-RELEASE MECHANISM FOR A DOWNHOLE TOOL**
[54] **MECANISME DE LIBERATION POSITIONNELLE D'UN OUTIL DE FOND DE TROU**
[72] SISAK, WILLIAM RYAN, US
[72] CHEN, BO, US
[72] WALTHER, BRIAN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-01
[86] 2022-10-21 (PCT/US2022/047385)
[87] (WO2023/081023)
[30] US (63/274,655) 2021-11-02

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[13] A1
[51] **Int.Cl. G01N 15/10 (2024.01) G01N 9/02 (2006.01) G01G 19/14 (2006.01)**
[25] EN
[54] **ASSESSING IMMUNE SYSTEM FUNCTION AND STATUS**
[54] **EVALUATION DE LA FONCTION ET DE L'ETAT DU SYSTEME IMMUNITAIRE**
[72] KIMMERLING, ROBERT, US
[72] OLCUM, SELIM, US
[72] STEVENS, MARK, US
[72] MINNAH, ANTHONY, US
[72] VACHA, MADELEINE, US
[71] TRAVERA, INC., US
[85] 2024-05-01
[86] 2022-10-31 (PCT/US2022/048389)
[87] (WO2023/076660)
[30] US (63/274,226) 2021-11-01

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[13] A1
[51] **Int.Cl. A62C 3/00 (2006.01) A62C 19/00 (2006.01) A62C 35/08 (2006.01) A62C 31/00 (2006.01) A62C 35/00 (2006.01) A62C 35/02 (2006.01) A62C 37/00 (2006.01) A62C 37/48 (2006.01)**
[25] EN
[54] **FIRE SUPPRESSION APPARATUS**
[54] **APPAREIL D'EXTINCTION D'INCENDIE**
[72] SCHULER, JACOB CLARENCE, US
[71] PAX PRODUCTS, LLC, US
[71] SCHULER, JACOB CLARENCE, US
[85] 2024-05-01
[86] 2022-10-31 (PCT/US2022/048448)
[87] (WO2023/076684)
[30] US (63/274,481) 2021-11-01

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[13] A1
[51] **Int.Cl. B41F 7/04 (2006.01) B41F 7/08 (2006.01) B41F 13/193 (2006.01) B41F 17/22 (2006.01) B41N 1/12 (2006.01) B41N 10/02 (2006.01)**
[25] EN
[54] **PRINTING PLATE FOR DISPENSING A PRINTING INK, PRINTING SYSTEM, AND METHOD FOR PRINTING A CONTAINER**
[54] **PLAQUE D'IMPRESSION POUR DISTRIBUER UNE ENCRE D'IMPRESSION, SYSTEME D'IMPRESSION, ET PROCEDE D'IMPRESSION D'UN RECIPIENT**
[72] LE, JIAMIN, DE
[72] BROUWER, OSCAR, NL
[71] ARDAGH METAL PACKAGING EUROPE GMBH, CH
[85] 2024-05-03
[86] 2022-10-25 (PCT/EP2022/079802)
[87] (WO2023/078737)
[30] DE (10 2021 128 652.2) 2021-11-03

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01)**
[25] EN
[54] **COMPRESSED GAS NEBULIZER**
[54] **NEBULISEUR A GAZ COMPRIME**
[72] PIERRO, BRIAN WILLIAM, US
[72] MENDOZA, CARLOS ACEVES, US
[72] FLEMING, DANIEL WILLIAM, US
[71] VYAIRE MEDICAL, INC., US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/049038)
[87] (WO2023/081411)
[30] US (63/276,489) 2021-11-05

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[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 215/233 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **PPARG INVERSE AGONISTS AND USES THEREOF**
[54] **AGONISTES INVERSES DE PPARG ET LEURS UTILISATIONS**
[72] DAI, DANMEI, CN
[72] ZHENG, BO, CN
[72] WANG, FEI, CN
[72] CONG, LIQING, CN
[72] HUANG, YAOHUI, CN
[72] LI, RUNYAN, CN
[72] WANG, XIAOYANG, CN
[72] WADE, PETER, US
[72] WILSON, JONATHAN E., US
[72] AUDIA, JAMES E., US
[72] STUCKEY, JACOB I., US
[71] FLARE THERAPEUTICS INC., US
[85] 2024-05-01
[86] 2022-11-01 (PCT/CN2022/129034)
[87] (WO2023/078252)
[30] US (63/274,596) 2021-11-02
[30] US (63/347,671) 2022-06-01

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[13] A1
[51] **Int.Cl. B65G 53/14 (2006.01) B30B 9/30 (2006.01) B65G 53/12 (2006.01) B65G 53/28 (2006.01) B65G 53/52 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HANDLING MATERIAL IN A PNEUMATIC MATERIAL CONVEYING SYSTEM**
[54] **PROCEDE ET APPAREIL DE MANIPULATION DE MATERIAU DANS UN SYSTEME DE TRANSPORT DE MATERIAU PNEUMATIQUE**
[72] SUNDHOLM, GORAN, FI
[71] MARICAP OY, FI
[85] 2024-05-03
[86] 2022-11-07 (PCT/FI2022/050728)
[87] (WO2023/084152)
[30] FI (20216162) 2021-11-12

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[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **TREATMENT OF MYXOID/ROUND CELL LIPOSARCOMA PATIENTS**
[54] **TRAITEMENT DE PATIENTS ATTEINTS DE LIPOSARCOME MYXOIDE/A CELLULES RONDES**
[72] WEISS, GLEN J., US
[71] SOTIO BIOTECH INC., US
[85] 2024-04-30
[86] 2022-11-15 (PCT/US2022/079885)
[87] (WO2023/091909)
[30] US (63/279,797) 2021-11-16

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[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 9/06 (2006.01) A61K 31/7105 (2006.01) A61K 38/00 (2006.01) A61K 38/06 (2006.01) A61K 39/00 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **NEOEPITOPE VACCINE DELIVERY VEHICLE AND METHODS OF MAKING THE SAME**
[54] **EXCIPIENT D'ADMINISTRATION DE VACCIN A NEO-EPITOPE ET SES METHODES DE FABRICATION**
[72] LIU, PHILIP T., US
[72] OLSON, CLIFFORD ANDERS, US
[72] RICHARDSON, WADE NICHOLS, US
[72] HIGASHIDE, WENDY, US
[71] IMMUNITYBIO, INC., US
[85] 2024-04-30
[86] 2022-12-06 (PCT/US2022/081025)
[87] (WO2023/107951)
[30] US (63/287,176) 2021-12-08

[21] **3,237,205**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) A61J 1/10 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **BLOOD PRODUCT STORAGE SYSTEM WITH SEALABLE BAG**
[54] **SYSTEME DE STOCKAGE DE PRODUIT SANGUIN AVEC SAC POUVANT ETRE FERME HERMETIQUEMENT**
[72] ILYIN, ILYA, US
[71] RICH TECHNOLOGIES HOLDING COMPANY, LLC, US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/048603)
[87] (WO2023/076735)
[30] US (63/274,356) 2021-11-01

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[13] A1
[51] **Int.Cl. C04B 35/528 (2006.01) C04B 35/515 (2006.01) C04B 35/532 (2006.01) C04B 35/622 (2006.01)**
[25] EN
[54] **BIOCARBON COMPOSITIONS WITH OPTIMIZED COMPOSITIONAL PARAMETERS, AND PROCESSES FOR PRODUCING THE SAME**
[54] **COMPOSITIONS DE BIOCARBONE PRESENTANT DES PARAMETRES DE COMPOSITION OPTIMISES, ET LEURS PROCEDES DE PRODUCTION**
[72] MENNELL, JAMES A., US
[72] SLACK, DUSTIN, US
[72] DAUGAARD, DAREN, US
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/049237)
[87] (WO2023/086323)
[30] US (63/278,573) 2021-11-12

[21] **3,237,207**
[13] A1
[51] **Int.Cl. F16B 5/02 (2006.01) E04B 1/00 (2006.01) F16B 25/00 (2006.01) F16B 25/10 (2006.01) F16B 35/06 (2006.01)**
[25] EN
[54] **SCREW, ITS USE AND A METHOD FOR FASTENING WORKPIECES AND DECKING A TERRACE**
[54] **VIS, SON UTILISATION ET PROCEDE DE FIXATION DE PIECES SUR UNE TERRASSE ET DE POSE DE CELLE-CI**
[72] DISSING, CLAUS HORNSTRUP, DK
[71] DISSING A/S, DK
[85] 2024-05-01
[86] 2022-11-01 (PCT/DK2022/050229)
[87] (WO2023/078518)
[30] US (63/274,603) 2021-11-02
[30] DK (PA 2021 70536) 2021-11-02
[30] DK (PA 2021 70537) 2021-11-02

[21] **3,237,208**
[13] A1
[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/11 (2006.01) H01F 6/06 (2006.01)**
[25] EN
[54] **HANDLING OF FORCES ON TOKAMAK TOROIDAL FIELD COILS**
[54] **GESTION DE FORCES SUR DES BOBINES DE CHAMP TOROIDAL POUR TOKAMAK**
[72] LABOMBARD, BRIAN, US
[72] RADOVINSKY, ALEXEY, US
[72] BRUNNER, DANIEL, US
[72] LAMMI, CHRISTOPHER J., US
[72] MUMGAARD, ROBERT, US
[72] AMES, NICOLI, US
[72] KAN, FRANK, US
[72] RICCARDO, VALERIA, US
[72] BOLZ, EDWIN, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] COMMONWEALTH FUSION SYSTEMS LLC, US
[85] 2024-05-03
[86] 2023-01-20 (PCT/US2023/060950)
[87] (WO2023/141541)
[30] US (63/301,611) 2022-01-21

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[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) A46B 3/20 (2006.01) A46B 7/02 (2006.01) A46B 7/06 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **TOOTHBRUSH**
[54] **BROSSE A DENTS**
[72] KRAEMER, HANS, GB
[71] HALEON UK IP LIMITED, GB
[85] 2024-05-01
[86] 2022-11-04 (PCT/EP2022/080884)
[87] (WO2023/079121)
[30] EP (21207029.6) 2021-11-08

[21] **3,237,211**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULES AND CONJUGATES**
[54] **MOLECULES D'ANTICORPS ET CONJUGUES**
[72] COMER, FRANK IRVINE, US
[72] MAZOR, YARIV, US
[72] KASTURIRANGAN, SRINATH, US
[72] DU, QUN, US
[72] YANG, CHUNNING, US
[72] BUCHANAN, ANDREW GRIER, GB
[71] ASTRAZENECA AB, SE
[85] 2024-05-01
[86] 2022-11-09 (PCT/EP2022/081225)
[87] (WO2023/083846)
[30] US (63/263,835) 2021-11-10

[21] **3,237,213**
[13] A1
[51] **Int.Cl. A61C 5/90 (2017.01) A61B 1/00 (2006.01) A61B 1/24 (2006.01) A61C 17/10 (2006.01)**
[25] EN
[54] **VERSATILE DENTAL KIT FOR INTRAORAL SCANNING**
[54] **KIT DENTAIRE POLYVALENT POUR BALAYAGE INTRABUCCAL**
[72] LO RUSSO, DOMENICO, IT
[71] SALUS ORIS S.R.L., IT
[85] 2024-05-01
[86] 2022-11-14 (PCT/EP2022/081827)
[87] (WO2023/088845)
[30] IT (102021000029168) 2021-11-18

[21] **3,237,215**
[13] A1
[51] **Int.Cl. G01J 9/00 (2006.01)**
[25] EN
[54] **DETERMINATION OF A WAVEFRONT SLOPE OF A LIGHT ON THE BASIS OF ANGLE-DEPENDENT TRANSMISSION**
[54] **DETERMINATION D'UN GRADIENT DE FRONT D'ONDE D'UNE LUMIERE SUR LA BASE D'UNE TRANSMISSION DEPENDANTE DE L'ANGLE**
[72] ZEPP, ANDREAS, DE
[72] GLADYSZ, SZYMON, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-01
[86] 2022-11-15 (PCT/EP2022/081877)
[87] (WO2023/088860)
[30] DE (10 2021 129 821.0) 2021-11-16

[21] **3,237,216**
[13] A1
[51] **Int.Cl. B68C 1/14 (2006.01)**
[25] EN
[54] **SADDLE FOR HORSE RIDING**
[54] **SELLE D'EQUITATION**
[72] GALLO, GIULIANO, IT
[72] RANCATI, FILIPPO, IT
[71] PRESTIGE ITALIA S.P.A., IT
[85] 2024-05-03
[86] 2022-11-14 (PCT/EP2022/081807)
[87] (WO2023/088843)
[30] IT (202021000005405) 2021-11-18

[21] **3,237,217**
[13] A1
[51] **Int.Cl. A61F 9/008 (2006.01) G06T 7/246 (2017.01) G16H 30/40 (2018.01) G06N 3/0464 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTION OF FLOATERS**
[54] **SYSTEME ET METHODE DE DETECTION DE FLOTTEURS**
[72] CEROICI, CHRISTOPHER, CA
[72] AMINI, IMAN, CA
[72] RIVET-SABOURIN, GEOFFROY, CA
[72] BROWNELL, MICHAEL, CA
[72] KATCHINSKIY, NIR, CA
[72] SHTEYN, EUGENE, CA
[71] PULSEMEDICA CORP., CA
[85] 2024-05-03
[86] 2022-11-25 (PCT/CA2022/051734)
[87] (WO2023/097391)
[30] CA (3140678) 2021-11-30
[30] CA (3157811) 2022-05-06

[21] **3,237,218**
[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) G01J 3/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SORTING SEEDS**
[54] **PROCEDE ET APPAREIL DE TRI DE GRAINES**
[72] LAGE, JACOB, GB
[72] UTSCHIG, CHRISTIAN, DE
[72] HIRSCHMANN, CHRISTIAN BERND, DE
[71] KWS SAAT SE & CO. KGAA, DE
[85] 2024-05-01
[86] 2022-11-15 (PCT/EP2022/081978)
[87] (WO2023/088892)
[30] EP (21208719.1) 2021-11-17

[21] **3,237,220**
[13] A1
[51] **Int.Cl. A61K 8/63 (2006.01) A61Q 7/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PROMOTING HAIR GROWTH**
[54] **COMPOSITIONS FAVORISANT LA POUSSE DES CHEVEUX**
[72] GERARD, CELINE, BE
[72] DION, VALERIE, BE
[71] ESTETRA SRL, BE
[85] 2024-05-01
[86] 2022-11-29 (PCT/EP2022/083612)
[87] (WO2023/094690)
[30] EP (21211057.1) 2021-11-29

[21] **3,237,221**
[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01)**
[25] EN
[54] **A CONNECTOR FOR CONNECTING TO AN OSTOMY APPLIANCE**
[54] **ELEMENT DE LIAISON POUR LA LIAISON A UN ACCESSOIRE POUR STOMIE**
[72] HOWARD, LEE, GB
[72] SMITH, LEE, GB
[72] JASICKA, EWA, GB
[71] SALTS HEALTHCARE LIMITED, GB
[85] 2024-05-01
[86] 2022-11-04 (PCT/GB2022/052789)
[87] (WO2023/079298)
[30] GB (2115928.0) 2021-11-05
[30] GB (2202405.3) 2022-02-22

[21] **3,237,222**
[13] A1
[51] **Int.Cl. A61F 5/44 (2006.01)**
[25] EN
[54] **A CONNECTOR FOR CONNECTING TO AN OSTOMY APPLIANCE**
[54] **CONNECTEUR DESTINE A ETRE RELIE A UN APPAREIL DE STOMIE**
[72] SMITH, LEE, GB
[72] JASICKA, EWA, GB
[72] WILLIAMS, KIERAN, GB
[71] SALTS HEALTHCARE LIMITED, GB
[85] 2024-05-01
[86] 2022-11-04 (PCT/GB2022/052790)
[87] (WO2023/079299)
[30] GB (2115928.0) 2021-11-05

[21] **3,237,223**
[13] A1
[51] **Int.Cl. F24T 10/10 (2018.01)**
[25] EN
[54] **MITIGATING FLUID LOSS OR INFLOW IN A CLOSED-LOOP GEOTHERMAL SYSTEM**
[54] **ATTENUATION DE PERTE OU D'AFFLUX DE FLUIDE DANS UN SYSTEME GEOTHERMIQUE EN CIRCUIT FERME**
[72] HOLMES, MICHAEL, CA
[72] TOEWS, MATTHEW, CA
[71] EAVOR TECHNOLOGIES INC., CA
[85] 2024-05-01
[86] 2021-11-17 (PCT/IB2021/060674)
[87] (WO2023/089357)

[21] **3,237,224**
[13] A1
[51] **Int.Cl. B29C 45/54 (2006.01)**
[25] EN
[54] **INJECTION APPARATUS FOR PRODUCING HOLLOW PLASTIC ARTICLES, IN PARTICULAR BOTTLE PREFORMS**
[54] **APPAREIL D'INJECTION POUR LA PRODUCTION D'ARTICLES CREUX EN PLASTIQUE, EN PARTICULIER DE PREFORMES DE BOUTEILLE**
[72] MENEGOL, ELVIS, IT
[72] ZOPPAS, MATTEO, IT
[71] S.I.P.A. SOCIETA' INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
[85] 2024-05-03
[86] 2022-11-11 (PCT/IB2022/060874)
[87] (WO2023/084463)
[30] IT (102021000028796) 2021-11-12

[21] **3,237,225**
[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
[71] NISSHIN FLOUR MILLING INC., JP
[85] 2024-05-01
[86] 2022-10-28 (PCT/JP2022/040323)
[87] (WO2023/080068)
[30] JP (2021-179207) 2021-11-02

[21] **3,237,226**
[13] A1
[51] **Int.Cl. C04B 35/528 (2006.01) C04B 35/515 (2006.01) C04B 35/532 (2006.01) C04B 35/622 (2006.01) C10B 57/06 (2006.01) C10B 57/10 (2006.01) C10B 57/14 (2006.01)**
[25] EN
[54] **BIOCARBON COMPOSITIONS WITH OPTIMIZED COMPOSITIONAL PARAMETERS, AND PROCESSES FOR PRODUCING THE SAME**
[54] **COMPOSITIONS DE BIOCARBONE AYANT DES PARAMETRES DE COMPOSITION OPTIMISES ET LEURS PROCEDES DE PRODUCTION**
[72] MENNELL, JAMES A., US
[72] SLACK, DUSTIN, US
[72] DAUGAARD, DAREN, US
[71] CARBON TECHNOLOGY HOLDINGS, LLC, US
[85] 2024-05-01
[86] 2022-11-08 (PCT/US2022/049240)
[87] (WO2023/086324)
[30] US (63/278,573) 2021-11-12

[21] **3,237,228**
[13] A1
[51] **Int.Cl. A24F 40/60 (2020.01) G16H 40/60 (2018.01) H04W 4/80 (2018.01) A24F 40/65 (2020.01) A61M 11/04 (2006.01)**
[25] EN
[54] **FEEDBACK PROVISION SYSTEM COMPRISING AN AEROSOL PROVISION SYSTEM AND AN AUDIO OUTPUT DEVICE**
[54] **SYSTEME DE FOURNITURE DE RETROACTION COMPRENANT UN SYSTEME DE FOURNITURE D'AEROSOL ET UN DISPOSITIF DE SORTIE AUDIO**
[72] LUKAN, SEAN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-03
[86] 2022-09-13 (PCT/GB2022/052308)
[87] (WO2023/079256)
[30] US (17/453,688) 2021-11-05

[21] **3,237,229**
[13] A1
[51] **Int.Cl. C07D 401/06 (2006.01) C07D 417/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **BICYCLIC HETEROAROMATIC COMPOUNDS AND THEIR USE AS PEST CONTROL AGENTS**
[54] **COMPOSES HETEROAROMATIQUES BICYCLIQUES ET LEUR UTILISATION EN TANT QU'AGENTS DE LUTTE CONTRE LES NUISIBLES**
[72] CHEEMALA, NARASIMHA MURTHY, IN
[72] BHATTACHARYYA, SUDIPTA, IN
[72] VERMA, JEEVAN SINGH, IN
[72] KUKREJA, GAGAN, IN
[72] UPADHYAY, ANKUR ANIRUDDH, IN
[72] NAGDA, KOMAL, IN
[72] YADAV, AJAY, IN
[72] SARAGUR, RAVIKUMAR SURYANARAYANA, IN
[72] KLAUSENER, ALEXANDER G.M., IN
[71] PI INDUSTRIES LTD., IN
[85] 2024-05-03
[86] 2022-11-14 (PCT/IB2022/060907)
[87] (WO2023/084473)
[30] IN (202111052372) 2021-11-15
[30] IN (202211045008) 2022-08-06

[21] **3,237,230**
[13] A1
[51] **Int.Cl. G06V 40/16 (2022.01) G06V 40/19 (2022.01) G06V 40/60 (2022.01)**
[25] EN
[54] **BIOMETRIC CAPTURE SYSTEM AND ASSOCIATED METHOD**
[54] **SYSTEME DE CAPTURE BIOMETRIQUE ET PROCEDE ASSOCIE**
[72] LEITMANN, MIGUEL GUILHERME, PT
[71] VISION BOX - SOLUCOES DE VISAO POR COMPUTADOR, S.A., PT
[85] 2024-05-03
[86] 2022-10-21 (PCT/PT2022/050027)
[87] (WO2023/080802)
[30] PT (117556) 2021-11-04

[21] **3,237,231**
[13] A1
[51] **Int.Cl. A24F 40/60 (2020.01) G16H 40/60 (2018.01) H04W 4/80 (2018.01) A24F 40/65 (2020.01)**
[25] EN
[54] **FEEDBACK PROVISION SYSTEM COMPRISING AN AEROSOL PROVISION SYSTEM AND A HEARING AID**
[54] **SYSTEME DE FOURNITURE DE RETROACTION COMPRENANT UN SYSTEME DE FOURNITURE D'AEROSOL ET UNE PROTHESE AUDITIVE**
[72] LUKAN, SEAN, US
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-03
[86] 2022-10-12 (PCT/GB2022/052591)
[87] (WO2023/079261)
[30] US (17/453,691) 2021-11-05

[21] **3,237,233**
[13] A1
[51] **Int.Cl. C10G 32/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING OF A FUEL ADDITIVE**
[54] **PROCEDE DE PRODUCTION D'UN ADDITIF POUR CARBURANT**
[72] HEDIGER, RICHARD, CH
[71] HEDIGER, RICHARD, CH
[85] 2024-05-03
[86] 2021-11-16 (PCT/IB2021/060582)
[87] (WO2023/089354)

[21] **3,237,234**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF ISOBUTYRATE NUCLEOSIDE COMPOUND, AND PREPARATION METHOD**
[54] **FORME CRISTALLINE D'UN COMPOSE NUCLEOSIDIQUE, L'ISOBUTYRATE, ET PROCEDE DE PREPARATION**
[72] ZHANG, XUMU, CN
[72] LI, YINGJUN, CN
[72] ZHOU, QIFAN, CN
[72] LI, GUANGUAN, CN
[71] SHENZHEN ANTIV PHARMA CO., LTD., CN
[85] 2024-05-03
[86] 2022-11-04 (PCT/CN2022/129970)
[87] (WO2023/078416)
[30] CN (202111304134.9) 2021-11-04
[30] CN (202210285185.X) 2022-03-23

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[13] A1
[51] **Int.Cl. G06V 10/764 (2022.01) G06N 20/00 (2019.01) G06V 10/77 (2022.01) G06V 10/771 (2022.01) G06V 10/778 (2022.01) G06V 10/98 (2022.01)**
[25] EN
[54] **HYBRID CLASSIFIER TRAINING FOR FEATURE ANNOTATION**
[54] **APPRENTISSAGE DE CLASSIFICATEUR HYBRIDE POUR ANNOTATION DE CARACTERISTIQUES**
[72] KATCHINSKIY, NIR, CA
[72] CEROICI, CHRISTOPHER, CA
[71] PULSEMEDICA CORP., CA
[85] 2024-05-03
[86] 2022-11-04 (PCT/CA2022/051638)
[87] (WO2023/077238)
[30] CA (3137612) 2021-11-05

[21] **3,237,238**
[13] A1
[51] **Int.Cl. C01B 32/15 (2017.01) C01B 32/154 (2017.01) C01B 32/16 (2017.01) C01B 32/162 (2017.01) C01B 32/18 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 11/042 (2021.01) C25B 11/046 (2021.01)**
[25] EN
[54] **ELECTROLYSIS METHODS THAT UTILIZE CARBON DIOXIDE AND A HIGH NICKEL-CONTENT ANODE FOR MAKING DESIRED NANOCARBON ALLOTROPES**
[54] **PROCEDES D'ELECTROLYSE UTILISANT DU DIOXYDE DE CARBONE ET UNE ANODE A HAUTE TENEUR EN NICKEL POUR LA FABRICATION D'ALLOTROPES DE NANOCARBONE SOUHAITES**
[72] LICHT, STUART, US
[72] LICHT, GAD, US
[71] C2CNT LLC, US
[85] 2024-05-03
[86] 2022-11-23 (PCT/US2022/050882)
[87] (WO2023/096982)
[30] US (63/282,985) 2021-11-24
[30] US (63/300,499) 2022-01-18

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) C07K 14/47 (2006.01)**
[25] EN
[54] **D-DOMAIN CONTAINING POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES A DOMAINE D ET UTILISATIONS ASSOCIEES**
[72] LAFLEUR, DAVID, US
[72] SWERS, JEFFREY S., US
[72] EDWARDS, JUSTIN, US
[71] ARCELLX, INC., US
[85] 2024-05-03
[86] 2022-11-14 (PCT/US2022/079796)
[87] (WO2023/086983)
[30] US (63/279,489) 2021-11-15

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[13] A1
[51] **Int.Cl. F41C 7/00 (2006.01) F41C 23/10 (2006.01) F41A 3/66 (2006.01)**
[25] EN
[54] **HUNTING OR SPORTS WEAPON WITH IMPROVED MAGAZINE ARRANGEMENT**
[54] **ARME DE CHASSE OU DE SPORT A ARRANGEMENT DE MAGASIN AMELIORE**
[72] DENTLER, DANIEL, DE
[71] DENTLER, DANIEL, DE
[85] 2024-05-03
[86] 2022-11-02 (PCT/EP2022/080500)
[87] (WO2023/078895)
[30] EP (21206685.6) 2021-11-05

[21] **3,237,243**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC HEART VALVES WITH RELEASABLY ATTACHED OUTER SKIRTS AND METHODS ASSOCIATED THEREWITH**
[54] **VALVULES CARDIAQUES PROTHETIQUES AVEC JUPES EXTERNES FIXEES AMOVIBLES ET METHODES ASSOCIEES A CELLES-CI**
[72] LEVI, TAMIR S., IL
[72] SHERMAN, ELENA, IL
[72] FUSARI, MELISSA, US
[72] GUROVICH, NIKOLAI, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-01
[86] 2022-11-11 (PCT/US2022/049661)
[87] (WO2023/086543)
[30] US (63/279,095) 2021-11-13
[30] US (63/401,981) 2022-08-29

[21] **3,237,244**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVES WITH WIDER OUTFLOW CELLS**
[54] **VALVES PROTHETIQUES A CELLULES D'EVACUATION PLUS LARGES**
[72] LEVI, TAMIR S., IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-01
[86] 2022-11-14 (PCT/US2022/049864)
[87] (WO2023/086650)
[30] US (63/279,299) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 19/08 (2006.01) C07K 16/22 (2006.01)**
[25] EN
[54] **TREATMENT OF OSTEOGENESIS IMPERFECTA**
[54] **TRAITEMENT DE L'OSTEOGENESE IMPARFAITE**
[72] MAVROUDIS, PANTELEIMON D., US
[72] PILLAI, NIKHIL, US
[72] WANG, QINGPING, US
[71] GENZYME CORPORATION, US
[85] 2024-05-01
[86] 2022-10-31 (PCT/US2022/078999)
[87] (WO2023/077131)
[30] US (63/274,503) 2021-11-01
[30] EP (22315238.0) 2022-10-13

[21] **3,237,246**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12Q 1/6874 (2018.01) A61K 38/17 (2006.01) G01N 33/68 (2006.01) A61P 29/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **ADMINISTRATION OF C5-BINDING PROTEINS**
[54] **ADMINISTRATION DE PROTEINES DE LIAISON A C5**
[72] WATSKY, ERIC JACOB, US
[72] BHAGWAGAR, ZUBIN MINOO, US
[72] VASAVADA, HAREN ASHWANIKUMAR, US
[72] UDEN, STEPHEN, US
[71] IPC RESEARCH, LLC, US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/079010)
[87] (WO2023/077139)
[30] US (63/274,480) 2021-11-01

[21] **3,237,248**
[13] A1
[51] **Int.Cl. C01B 32/16 (2017.01) C01B 32/162 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 11/042 (2021.01) C25B 11/046 (2021.01)**
[25] EN
[54] **ELECTROLYSIS METHODS THAT UTILIZE CARBON DIOXIDE FOR MAKING A MACRO-ASSEMBLY OF NANOCARBON**
[54] **PROCEDES D'ELECTROLYSE UTILISANT DU DIOXYDE DE CARBONE POUR FABRIQUER UN MACRO-ASSEMBLAGE DE NANOCARBONE**
[72] LICHT, STUART, US
[72] LICHT, GAD, US
[71] C2CNT LLC, US
[85] 2024-05-03
[86] 2022-11-23 (PCT/US2022/050884)
[87] (WO2023/096984)
[30] US (63/282,985) 2021-11-24
[30] US (63/300,499) 2022-01-18

[21] **3,237,249**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **CELL-DERIVED MICROPARTICLE DELIVERY SYSTEM AND USES THEREOF**
[54] **SYSTEME D'ADMINISTRATION DE MICROPARTICULES DERIVEES DE CELLULES ET SES UTILISATIONS**
[72] GLEGHORN, JASON P., US
[72] DONZANTI, MICHAEL, US
[72] ZURAKOWSKI, RYAN, US
[71] UNIVERSITY OF DELAWARE, US
[85] 2024-05-03
[86] 2022-11-02 (PCT/US2022/048686)
[87] (WO2023/081196)
[30] US (63/275,027) 2021-11-03

[21] **3,237,250**
[13] A1
[51] **Int.Cl. B30B 1/00 (2006.01) B30B 9/30 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **DEVICE FOR COLLECTING AND COMPACTING WASTE**
[54] **DISPOSITIF DE COLLECTE ET DE COMPACTAGE DE DECHETS**
[72] LUKAS, CHRISTIAN JOSEPH, DE
[72] DAVENPORT, DANIEL CHRISTOPH, DE
[72] VON SCHUTTENBACH, ANDREAS, DE
[71] DLR GBR, DE
[85] 2024-05-03
[86] 2022-10-14 (PCT/EP2022/078628)
[87] (WO2023/078655)
[30] EP (21206532.0) 2021-11-04

[21] **3,237,252**
[13] A1
[51] **Int.Cl. C01B 32/15 (2017.01) C01B 32/162 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 11/042 (2021.01) C25B 11/046 (2021.01)**
[25] EN
[54] **ELECTROLYSIS METHODS THAT UTILIZE CARBON DIOXIDE FOR MAKING NANOCARBON ALLOTROPES OF NANO-DRAGONS AND NANO-BELTS**
[54] **PROCEDES D'ELECTROLYSE FAISANT APPEL A DU DIOXYDE DE CARBONE POUR FABRIQUER DES ALLOTROPES DE NANOCARBONE DE NANO-DRAGONS ET DE NANO-COURROIES**
[72] LICHT, STUART, US
[72] LICHT, GAD, US
[71] C2CNT LLC, US
[85] 2024-05-03
[86] 2022-11-23 (PCT/US2022/050887)
[87] (WO2023/096986)
[30] US (63/282,985) 2021-11-24
[30] US (63/300,499) 2022-01-18

[21] **3,237,253**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16B 50/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SECURE ELECTRONIC STORAGE AND ACCESS FOR GENETIC CODE**
[54] **SYSTEMES ET PROCEDES DE STOCKAGE ET D'ACCES ELECTRONIQUES SECURISES POUR CODE GENETIQUE**
[72] REICHBERG, SAMUEL, US
[71] REICHBERG, SAMUEL, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/048829)
[87] (WO2023/081286)
[30] US (63/275,218) 2021-11-03

[21] **3,237,255**
[13] A1
[51] **Int.Cl. G16H 30/40 (2018.01) G06T 7/11 (2017.01) G06T 7/30 (2017.01) G06N 3/084 (2023.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTION OF HISTOPATHOLOGICAL PLAQUE FEATURES IN MEDICAL IMAGES USING DEEP NEURAL NETWORKS**
[54] **PROCEDE ET SYSTEME DE DETECTION DE CARACTERISTIQUES DE PLAQUE HISTOPATHOLOGIQUE DANS DES IMAGES MEDICALES A L'AIDE DE RESEAUX NEURONAUX PROFONDS**
[72] DASKALOPOULOU, STYLIANI STELLA, CA
[71] DASKALOPOULOU, STYLIANI STELLA, CA
[85] 2024-05-03
[86] 2022-11-04 (PCT/CA2022/051639)
[87] (WO2023/077239)
[30] US (63/276,015) 2021-11-05

[21] **3,237,257**
[13] A1
[51] **Int.Cl. C08G 18/08 (2006.01) C08G 18/12 (2006.01) C08G 18/18 (2006.01) C08G 18/32 (2006.01) C08G 18/58 (2006.01) C08G 18/76 (2006.01) C08L 75/12 (2006.01)**
[25] EN
[54] **A METHOD OF DISPERSING A SELF-EMULSIFYING CROSSLINKER, THE OBTAINED CROSSLINKER DISPERSION AND ITS APPLICATION IN E-COAT HAVING LOW BAKING TEMPERATURE**
[54] **PROCEDE DE DISPERSION D'UN AGENT DE RETICULATION AUTO-EMULSIFIANT, DISPERSION D'AGENT DE RETICULATION OBTENUE ET APPLICATION ASSOCIEE DANS UN REVETEMENT PAR ELECTRODEPOSITION AYANT UNE TEMPERATURE DE CUISSON FAIBL**
[72] TANGVIJITSAKUL, PATTARASAI, CN
[72] YUE, TAI JIE, CN
[72] ZHANG, TONG YUAN, CN
[72] XING, SU JIE, CN
[72] WANG, LIN, DE
[71] BASF COATINGS GMBH, DE
[85] 2024-05-03
[86] 2022-10-18 (PCT/EP2022/078910)
[87] (WO2023/078665)
[30] CN (PCT/CN2021/128758) 2021-11-04

[21] **3,237,258**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61P 19/02 (2006.01) C07D 401/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **USES OF PAN BET INHIBITORS**
[54] **UTILISATIONS DE PAN-INHIBITEURS DE BET**
[72] STUART, IAIN, US
[72] ELLIOTT, RUSSELL, US
[72] HAZOT, YOHAN, IL
[72] MARGULIS, ARIEL, IL
[72] WOODLAND, CHRISTOPHER ANDREW, GB
[72] BELL, MARK, GB
[71] VYNE THERAPEUTICS INC., US
[85] 2024-05-03
[86] 2022-11-02 (PCT/US2022/079171)
[87] (WO2023/081720)
[30] US (63/263,511) 2021-11-03
[30] US (63/268,839) 2022-03-03
[30] US (63/362,122) 2022-03-29
[30] US (63/362,780) 2022-04-11
[30] US (63/364,770) 2022-05-16
[30] US (63/369,455) 2022-07-26

[21] **3,237,260**
[13] A1
[51] **Int.Cl. A61P 37/02 (2006.01) C12Q 1/70 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **TEST TO PREDICT AND EVALUATE INNATE IMMUNE RESPONSES TO INFECTIONS AND METHODS OF TREATMENT THEREOF**
[54] **TEST POUR PREDIRE ET EVALUER DES REPONSES IMMUNITAIRES INNEES A DES INFECTIONS ET PROCEDES DE TRAITEMENT DE CELLES-CI**
[72] REICHBERG, SAMUEL, US
[71] REICHBERG, SAMUEL, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/048838)
[87] (WO2023/081291)
[30] US (63/275,244) 2021-11-03

[21] **3,237,261**
[13] A1
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/043 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **BI-DIRECTIONAL WELLHEAD ANNULUS PACKOFF WITH INTEGRAL SEAL AND HANGER LOCKDOWN RING**
[54] **DISPOSITIF D'ETANCHEITE D'ESPACE ANNULAIRE DE TETE DE PUITS BIDIRECTIONNEL AVEC JOINT D'ETANCHEITE INTEGRE ET BAGUE DE VERROUILLAGE D'ELEMENT DE SUSPENSION**
[72] CHENG, SAMUEL, US
[72] ZHANG, XICHANG, US
[72] PATEL, PRASHANT, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/079214)
[87] (WO2023/086748)
[30] US (17/523,699) 2021-11-10

[21] **3,237,262**
[13] A1
[51] **Int.Cl. H01L 27/088 (2006.01) H01L 29/51 (2006.01) H01L 29/745 (2006.01) H01L 29/78 (2006.01) H01L 29/92 (2006.01) H03K 17/30 (2006.01)**
[25] EN
[54] **NEGATIVE CAPACITANCE TOPOLOGICAL QUANTUM FIELD-EFFECT TRANSISTOR**
[54] **TRANSISTOR A EFFET DE CHAMP QUANTIQUE TOPOLOGIQUE A CAPACITE NEGATIVE**
[72] FUHRER, MICHAEL SEARS, AU
[71] MONASH UNIVERSITY, AU
[85] 2024-05-03
[86] 2022-11-10 (PCT/AU2022/051338)
[87] (WO2023/081966)
[30] AU (2021903614) 2021-11-11

[21] **3,237,265**
[13] A1
[51] **Int.Cl. B61H 5/00 (2006.01) F16D 55/224 (2006.01) F16D 65/00 (2006.01) F16D 69/04 (2006.01)**
[25] EN
[54] **BRAKE SHOE CONFIGURED TO EQUIP A RAILWAY BRAKING SYSTEM COMPRISING A BRAKE LINKAGE, RAILWAY BRAKING SYSTEM PROVIDED WITH SUCH A BRAKE SHOE, AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM**
[54] **PORTE-GARNITURE CONFIGURE POUR EQUIPER UN SYSTEME DE FREINAGE FERROVIAIRE COMPORTANT UNE TIMONERIE DE FREINAGE, SYSTEME DE FREINAGE FERROVIAIRE POURVU D'UN TEL PORTE-GARNITURE ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] GERBER-PAPIN, DENIS, FR
[71] WABTEC HAUTS-DE-FRANCE, FR
[85] 2024-05-03
[86] 2022-11-18 (PCT/FR2022/052118)
[87] (WO2023/089280)
[30] FR (FR2112300) 2021-11-22

[21] **3,237,266**
[13] A1
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 33/043 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **SEQUENTIAL RETRIEVAL MECHANISM FOR BI-DIRECTIONAL WELLHEAD ANNULUS PACKOFF**
[54] **MECANISME DE RECUPERATION SEQUENTIELLE POUR GARNITURE ANNULAIRE DE TETE DE PUITS BIDIRECTIONNEL**
[72] CHENG, SAMUEL, US
[72] PATEL, PRASHANT, US
[72] ZHANG, XICHANG, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079286)
[87] (WO2023/086754)
[30] US (17/523,714) 2021-11-10

[21] **3,237,267**
[13] A1
[51] **Int.Cl. F02C 6/06 (2006.01) F02C 7/36 (2006.01) F02C 9/44 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **POWER PLANT FOR CONTROLLING THE RENEWABLE ENERGY USE IN AN LNG TRAIN**
[54] **CENTRALE ELECTRIQUE POUR COMMANDER L'UTILISATION D'ENERGIE RENOUVELABLE DANS UN TRAIN DE GNL**
[72] SASSANELLI, GIUSEPPE, IT
[72] GABBI, GIAMPAOLO, IT
[72] ALLEGORICO, CARMINE, IT
[72] RONTINI, GIULIA, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2024-05-03
[86] 2022-11-08 (PCT/EP2022/025502)
[87] (WO2023/083494)
[30] IT (102021000028562) 2021-11-10

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) C12N 5/07 (2010.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 37/06 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) C12N 15/64 (2006.01)**
[25] EN
[54] **HUMAN TUMOR NECROSIS FACTOR ALPHA ANTIBODIES**
[54] **ANTICORPS ANTI-FACTEUR DE NECROSE TUMORALE HUMAIN ALPHA**
[72] CHAO, GRACE, US
[72] FENG, YIQING, US
[72] LEUNG, DONMIENNE DOEN MUN, US
[72] NA, SONGQING, US
[72] RAMAMURTHY, BHARATHI, US
[72] XU, JIANGHUAI, US
[71] ELI LILLY AND COMPANY, US
[85] 2024-05-03
[86] 2022-11-10 (PCT/US2022/079616)
[87] (WO2023/086871)
[30] US (63/278,245) 2021-11-11

[21] **3,237,269**
[13] A1
[25] EN
[54] **ELECTRIC REGENERATIVE BRAKING SYSTEM**
[54]
[72] SIKORSKI, ROBERT JAMES, US
[71] HIT THE BRAKES, LLC, US
[85] 2024-05-03
[86] 2023-11-02 (PCT/US2023/078440)
[87] (3237269)
[30] US (18/052,364) 2022-11-03

[21] **3,237,270**
[13] A1
[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/528 (2006.01)**
[25] EN
[54] **SCALE INHIBITOR COMPOSITION**
[54] **COMPOSITION D'INHIBITION DE TARTRE**
[72] DEO, PUSPENDU, US
[72] AKHADE, PRAMOD, US
[72] PETR, MICHAEL T., US
[72] SINGH, DIPTI, US
[72] ABRAMO, GRAHAM P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2024-05-03
[86] 2022-09-20 (PCT/US2022/044112)
[87] (WO2023/086161)
[30] US (63/278,120) 2021-11-11

[21] **3,237,271**
[13] A1
[51] **Int.Cl. B01D 71/02 (2006.01) B01D 15/36 (2006.01) B01D 71/06 (2006.01) B01D 71/26 (2006.01) B01D 71/28 (2006.01) B01D 71/30 (2006.01) B01D 71/38 (2006.01) B01D 71/40 (2006.01) B01D 71/82 (2006.01) C01G 23/04 (2006.01) C01G 45/02 (2006.01) C01G 45/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SELECTIVE EXTRACTION OF LITHIUM**
[54] **COMPOSITIONS ET PROCEDES D'EXTRACTION SELECTIVE DE LITHIUM**
[72] JASSBY, DAVID, US
[72] HOEK, ERIC M., US
[72] WANG, JINGBO, US
[72] SANT, GAURAV N., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-03
[86] 2022-11-07 (PCT/US2022/049102)
[87] (WO2023/081448)
[30] US (63/276,921) 2021-11-08

[21] **3,237,272**
[13] A1
[51] **Int.Cl. C11D 7/26 (2006.01) C11D 7/32 (2006.01)**
[25] EN
[54] **GLYCOL COMPOSITIONS COMPRISING CHELANTS**
[54] **COMPOSITIONS DE GLYCOL COMPRENANT DES AGENTS DE CHELATION**
[72] WOELFLE-GUPTA, CAROLINE, US
[72] DUGGAL, RAJAT, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-03
[86] 2022-11-11 (PCT/US2022/049664)
[87] (WO2023/086546)
[30] US (63/278,116) 2021-11-11

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[13] A1
[51] **Int.Cl. E21B 47/135 (2012.01)**
[25] EN
[54] **GRATING POSITION DITHERING FOR IMPROVED DISTRIBUTED ACOUSTIC SENSING ENGINEERED FIBER PERFORMANCE**
[54] **JUXTAPOSITION DE POSITIONS DE RESEAUX POUR DES PERFORMANCES AMELIOREES DE FIBRES MODIFIEES DE DETECTION ACOUSTIQUE REPARTIE**
[72] JOHNSTON, WILLIAM, US
[72] WYSOCKI, PAUL, US
[72] PROVENZANO, DAN, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079289)
[87] (WO2023/086755)
[30] US (17/524,615) 2021-11-11

[21] **3,237,274**
[13] A1
[51] **Int.Cl. C07D 403/14 (2006.01)**
[25] EN
[54] **SELECT KRAS G12C INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE KRAS G12C SELECTIONNES ET LEURS UTILISATIONS**
[72] ROSE, TRISTIN E., US
[72] O'BOYLE, BRENDAN M., US
[72] HILF, JUSTIN A., US
[72] FENG, ZHENGAO, US
[72] BARTBERGER, MICHAEL D., US
[72] STOLTZ, BRIAN M., US
[72] MCDERMOTT, MARTINA S., US
[72] O'BRIEN, NEIL A., US
[72] SLAMON, DENNIS, US
[72] BAKER-TRIPP, EMMA L., US
[71] 1200 PHARMA LLC, US
[71] THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-03
[86] 2022-11-09 (PCT/US2022/049403)
[87] (WO2023/086383)
[30] US (63/277,469) 2021-11-09
[30] US (63/340,636) 2022-05-11
[30] US (63/418,274) 2022-10-21

[21] **3,237,275**
[13] A1
[51] **Int.Cl. F16D 65/06 (2006.01)**
[25] EN
[54] **RAILWAY BRAKING SYSTEM FOR A RAILWAY VEHICLE HAVING BRAKES WITH AT LEAST ONE SHOE, AND RAILWAY VEHICLE PROVIDED WITH SUCH A SYSTEM**
[54] **SYSTEME DE FREINAGE FERROVIAIRE POUR VEHICULE FERROVIAIRE, A FREINS A AU MOINS UN SABOT, ET VEHICULE FERROVIAIRE POURVU D'UN TEL SYSTEME**
[72] GONCALVES, CLAUDINO, FR
[72] MAILLARD, LOUIS, FR
[72] BLASI, GUEWEN, FR
[72] GERBER-PAPIN, DENIS, FR
[71] WABTEC HAUTS-DE-FRANCE, FR
[85] 2024-05-03
[86] 2022-11-23 (PCT/FR2022/052163)
[87] (WO2023/094768)
[30] FR (FR2112438) 2021-11-24

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[13] A1
[51] **Int.Cl. C01B 32/15 (2017.01) C01B 32/16 (2017.01) C01B 32/18 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 11/042 (2021.01) C25B 11/046 (2021.01)**
[25] EN
[54] **ELECTROLYSIS METHODS THAT UTILIZE CARBON DIOXIDE AND A NON-IRON ADDITIVE FOR MAKING DESIRED NANOCARBON ALLOTROPES**
[54] **PROCEDES D'ELECTROLYSE UTILISANT DU DIOXYDE DE CARBONE ET UN ADDITIF NON FERREUX POUR FABRIQUER DES ALLOTROPES DE NANOCARBONE SOUHAITES**
[72] LICHT, STUART, US
[72] LICHT, GAD, US
[71] C2CNT LLC, US
[85] 2024-05-03
[86] 2022-11-23 (PCT/US2022/050897)
[87] (WO2023/096994)
[30] US (63/282,985) 2021-11-24
[30] US (63/300,499) 2022-01-18

[21] **3,237,277**
[13] A1
[51] **Int.Cl. C09D 11/30 (2014.01)**
[25] EN
[54] **INK COMPOSITION FOR INKJET PRINTING**
[54] **COMPOSITION D'ENCRE POUR IMPRESSION AU JET D'ENCRE**
[72] MAEDA, HIROHITO, JP
[72] MORIYASU, KAZUKI, JP
[72] SYU, SAIEI, JP
[71] SAKATA INX CORPORATION, JP
[85] 2024-05-03
[86] 2022-08-30 (PCT/JP2022/032684)
[87] (WO2023/089905)
[30] JP (2021-188120) 2021-11-18

[21] **3,237,278**
[13] A1
[51] **Int.Cl. B29B 7/48 (2006.01) B29C 48/08 (2019.01) B29B 7/94 (2006.01) C08J 5/18 (2006.01) C08L 3/02 (2006.01) C08L 5/00 (2006.01) C08L 29/04 (2006.01) C08L 67/02 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **COMPOSTABLE SEAWEED-BASED COMPOSITIONS, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **COMPOSITIONS A BASE D'ALGUES COMPOSTABLES, SYSTEMES ET PROCEDES ASSOCIES**
[72] CATARINO, MATTHEW, US
[72] MARSH, JULIA, US
[71] SWAY INNOVATION CO., US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079337)
[87] (WO2023/081848)
[30] US (63/276,448) 2021-11-05

[21] **3,237,279**
[13] A1
[51] **Int.Cl. B29C 48/09 (2019.01)**
[25] EN
[54] **THIN-WALLED HEAT SHRINK TUBING**
[54] **GAINE THERMORETRACTABLE A PAROI MINCE**
[72] BALLARD, ROBERT L., US
[72] POOLE, TYLER, US
[71] ZEUS COMPANY LLC, US
[85] 2024-05-03
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[30] US (17/722,135) 2022-04-15

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[51] **Int.Cl. E21B 4/04 (2006.01) E21B 47/001 (2012.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **ADAPTIVE CONTROL FOR SYNCHRONOUS DOWNHOLE MOTORS**
[54] **COMMANDE ADAPTATIVE DE MOTEURS DE FOND DE TROU SYNCHRONES**
[72] MATARRITA SEQUEIRA, AIDER, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-03
[86] 2022-11-11 (PCT/US2022/079727)
[87] (WO2023/086946)
[30] US (17/525,820) 2021-11-12

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[51] **Int.Cl. C01B 32/15 (2017.01) C01B 32/16 (2017.01) C01B 32/18 (2017.01) C25B 1/135 (2021.01) C25B 9/09 (2021.01) C25B 11/042 (2021.01) C25B 11/046 (2021.01)**
[25] EN
[54] **ELECTROLYSIS METHODS THAT UTILIZE CARBON DIOXIDE FOR MAKING COATED NANOCARBON ALLOTROPES**
[54] **PROCEDES D'ELECTROLYSE UTILISANT DU DIOXYDE DE CARBONE POUR FABRIQUER DES ALLOTROPES DE NANOCARBONE REVETUS**
[72] LICHT, STUART, US
[72] LICHT, GAD, US
[71] C2CNT LLC, US
[85] 2024-05-03
[86] 2022-11-23 (PCT/US2022/050901)
[87] (WO2023/096998)
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[25] EN
[54] **WASTE PLASTIC-BASED THERMAL CRACKING FEED AND METHOD FOR UPGRADING THE SAME**
[54] **CHARGE DE CRAQUAGE THERMIQUE A BASE DE DECHETS PLASTIQUES ET SON PROCEDE DE VALORISATION**
[72] JAMIESON, JOHN, FI
[72] OJALA, ANTTI, FI
[72] MORELIUS, VALERIA, FI
[72] PAASIKALLIO, VILLE, FI
[71] NESTE OYJ, FI
[85] 2024-05-03
[86] 2022-09-07 (PCT/EP2022/074849)
[87] (WO2023/099054)
[30] FI (20216242) 2021-12-03

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[51] **Int.Cl. F16L 37/107 (2006.01) F16L 37/084 (2006.01)**
[25] EN
[54] **TUBULAR COUPLING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ACCOUPLEMENT TUBULAIRE**
[72] ANGSTMANN, STEVEN A., US
[72] LAIRD, SEAN, US
[72] GARDEN, BRENT, US
[71] KINETIC PRESSURE CONTROL, LTD., US
[85] 2024-05-03
[86] 2022-12-06 (PCT/US2022/052057)
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[30] US (63/291,612) 2021-12-20

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[51] **Int.Cl. A61K 35/17 (2015.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USE OF GENETICALLY MODIFIED IMMUNE CELLS EXPRESSING MATRIX METALLOPEPTIDASE**
[54] **COMPOSITIONS ET METHODES D'UTILISATION DE CELLULES IMMUNITAIRES GENETIQUEMENT MODIFIEES EXPRIMANT UNE MATRICE METALLOPEPTIDASE**
[72] VARADARAJAN, NAVIN, US
[72] BANDEY, IRFAN NASEEM, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2024-05-03
[86] 2022-11-09 (PCT/US2022/079582)
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[30] US (63/263,818) 2021-11-09

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[51] **Int.Cl. A61M 60/816 (2021.01) A61M 60/13 (2021.01) A61M 60/531 (2021.01)**
[25] EN
[54] **PUMP HOUSING FOR A BLOOD PUMP AND BLOOD PUMP**
[54] **BOITIER DE POMPE POUR POMPE A SANG ET POMPE A SANG**
[72] KERKHOFFS, WOLFGANG, DE
[72] KEYSSELITZ, ELLEN, DE
[71] ABIOMED EUROPE GMBH, DE
[85] 2024-05-03
[86] 2022-12-08 (PCT/EP2022/085057)
[87] (WO2023/104997)
[30] DE (10 2021 214 168.4) 2021-12-10

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[13] A1
[51] **Int.Cl. C10G 9/36 (2006.01)**
[25] EN
[54] **RENEWABLE STABILIZED NAPHTHA-RANGE HYDROCARBON FEED, THERMAL CRACKING METHOD AND PRODUCTS THEREOF**
[54] **CHARGE D'HYDROCARBURES DE GAMME NAPHTA STABILISEE RENOUVELABLE, PROCEDE DE CRAQUAGE THERMIQUE ET PRODUITS ASSOCIES**
[72] JAMIESON, JOHN, FI
[72] MUNOZ GANDARILLAS, ANDRES, FI
[72] OJALA, ANTTI, FI
[71] NESTE OYJ, FI
[85] 2024-05-03
[86] 2022-11-21 (PCT/FI2022/050771)
[87] (WO2023/126567)
[30] FI (20216353) 2021-12-27

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[51] **Int.Cl. A01N 43/653 (2006.01) A01N 43/54 (2006.01) A01N 43/707 (2006.01) A01N 43/82 (2006.01) A01N 43/88 (2006.01)**
[25] EN
[54] **SUSPENSION CONCENTRATE DISPERSANTS**
[54] **DISPERSANTS A BASE DE CONCENTRE EN SUSPENSION**
[72] KNIGHT, KATHRYN, GB
[72] FLAVELL, JAMES, GB
[71] CRODA INTERNATIONAL PLC, GB
[85] 2024-05-03
[86] 2022-11-08 (PCT/EP2022/081103)
[87] (WO2023/083797)
[30] GB (2116069.2) 2021-11-09

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[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07F 9/38 (2006.01) C07F 9/60 (2006.01) C07F 9/6553 (2006.01)**
[25] EN
[54] **PHOSPHATASE INHIBITORS AS NK CELLS MODULATORS FOR THE TREATMENT OF CANCER**
[54] **INHIBITEURS DE PHOSPHATASE EN TANT QUE MODULATEURS DES CELLULES NK POUR LE TRAITEMENT DU CANCER**
[72] FENG, CHU-HAN, CA
[72] TREMBLAY, MICHEL L., CA
[71] KANYR PHARMA INC., CA
[85] 2024-05-03
[86] 2022-11-07 (PCT/CA2022/051643)
[87] (WO2023/077242)
[30] US (63/276,067) 2021-11-05

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[13] A1
[51] **Int.Cl. D21D 5/02 (2006.01)**
[25] EN
[54] **ROTOR WITH FORWARD-SWEPT STRUTS FOR PRESSURE SCREEN CYLINDERS**
[54] **ROTOR DOTE D'ENTRETOISES A BALAYAGE VERS L'AVANT POUR CYLINDRES D'ECRAN SOUS PRESSION**
[72] EGAN, III JOHN JOSEPH, US
[72] DEMLER, CAMERON COALE, US
[71] KADANT BLACK CLAWSON LLC, US
[85] 2024-05-03
[86] 2023-04-20 (PCT/US2023/065983)
[87] (WO2023/178364)
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[13] A1
[51] **Int.Cl. A01C 1/06 (2006.01)**
[25] EN
[54] **DEVICE FOR TREATING SEEDS PRIOR TO SOWING AND USE THEREOF**
[54] **DISPOSITIF DE TRAITEMENT DE SEMENCES POUR LE SEMIS ET SON UTILISATION**
[72] DOS SANTOS BARBOSA, LEANDRO, BR
[71] DOS SANTOS BARBOSA, LEANDRO, BR
[85] 2024-05-03
[86] 2021-11-19 (PCT/BR2021/050507)
[87] (WO2023/081985)
[30] BR (BR 10 2021 022476 2) 2021-11-09

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[51] **Int.Cl. B07C 5/34 (2006.01) B03B 9/06 (2006.01) D21B 1/04 (2006.01) D21B 1/32 (2006.01)**
[25] EN
[54] **RECOVERY OF HIGHER VOLUME AND HIGHER QUALITY RECYCLABLES FROM A MIXED STREAM**
[54] **RECUPERATION D'UN VOLUME SUPERIEUR DE PRODUITS RECYCLABLES DE QUALITE SUPERIEURE A PARTIR D'UN FLUX MIXTE**
[72] SOUNDARRAJAN, PRABHU, US
[72] RICONOSCIUTO, JOHN JOSEPH, US
[72] KELLER, PETER J., US
[72] CALL, DAVID, US
[72] NIU, ZHENNI, US
[71] REPUBLIC SERVICES, INC., US
[85] 2024-05-03
[86] 2022-11-07 (PCT/US2022/049076)
[87] (WO2023/081436)
[30] US (63/276,126) 2021-11-05
[30] US (17/981,319) 2022-11-04

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[13] A1
[51] **Int.Cl. C07C 29/04 (2006.01) C07C 29/76 (2006.01) C07C 29/88 (2006.01) C07C 31/10 (2006.01) C07C 31/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING ISOPROPYL ALCOHOL**
[54] **PROCEDE DE PREPARATION D'ALCOOL ISOPROPYLIQUE**
[72] HWANG, SUNG JUNE, KR
[72] LEE, SUNG KYU, KR
[72] JANG, KYUNG SOO, KR
[72] LIM, KIL TAEK, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-03
[86] 2023-05-25 (PCT/KR2023/007144)
[87] (WO2024/043443)
[30] KR (10-2022-0104769) 2022-08-22
[30] KR (10-2023-0053289) 2023-04-24

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[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 15/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **HERBICIDE RESISTANCE**
[54] **RESISTANCE AUX HERBICIDES**
[72] DALE, RICHARD PAUL, GB
[72] BLAIN, RACHAEL ELIZABETH, GB
[72] SIMOES, MARTA ANDREIA HORTA, GB
[72] LANGFORD, MICHAEL PHILLIP, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-03
[86] 2022-11-10 (PCT/EP2022/081497)
[87] (WO2023/083972)
[30] GB (2116307.6) 2021-11-12

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[51] **Int.Cl. B01F 25/40 (2022.01) B01F 25/23 (2022.01) B01F 35/22 (2022.01) B01F 35/71 (2022.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MIXING SMALL LIQUID VOLUMES, AND USE OF THE APPARATUS**
[54] **APPAREIL ET PROCEDE POUR MELANGER DE PETITS VOLUMES DE LIQUIDE, ET UTILISATION DE L'APPAREIL**
[72] STIENEKER, FRANK, DE
[71] LEON-NANODRUGS GMBH, DE
[85] 2024-05-03
[86] 2022-11-03 (PCT/EP2022/080743)
[87] (WO2023/079039)
[30] EP (21206216.0) 2021-11-03
[30] EP (22157837.0) 2022-02-21
[30] EP (22183341.1) 2022-07-06

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[13] A1
[51] **Int.Cl. C10G 9/36 (2006.01) C10G 69/06 (2006.01) C10G 69/12 (2006.01)**
[25] EN
[54] **SUSTAINABLE THERMAL CRACKING METHOD AND PRODUCTS THEREOF**
[54] **PROCEDE DE CRAQUAGE THERMIQUE DURABLE ET PRODUITS ASSOCIES**
[72] JAMIESON, JOHN, FI
[72] MUNOZ GANDARILLAS, ANDRES, FI
[72] OJALA, ANTTI, FI
[71] NESTE OYJ, FI
[85] 2024-05-03
[86] 2022-11-21 (PCT/FI2022/050770)
[87] (WO2023/126566)
[30] FI (20216354) 2021-12-27

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[13] A1
[51] **Int.Cl. B01J 20/04 (2006.01) B01J 20/08 (2006.01) C02F 1/28 (2006.01) C22B 26/12 (2006.01)**
[25] EN
[54] **LITHIUM SORBENT, PREPARATION METHOD FOR LITHIUM SORBENT, AND SALT LAKE LITHIUM EXTRACTION METHOD**
[54] **SORBANT DE LITHIUM, PROCEDE DE PREPARATION DE SORBANT DE LITHIUM ET PROCEDE D'EXTRACTION DE LITHIUM DE BASSIN SALE**
[72] WEI, JIALIANG, CN
[72] LIN, HONGYE, CN
[72] LIAN, JUNLAN, CN
[71] BYD COMPANY LIMITED, CN
[85] 2024-05-03
[86] 2022-12-13 (PCT/CN2022/138705)
[87] (WO2023/124974)
[30] CN (202111630402.6) 2021-12-28

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[51] **Int.Cl. B29C 48/375 (2019.01) B29C 48/00 (2019.01) B29C 48/06 (2019.01) B29C 48/25 (2019.01) B29C 48/255 (2019.01) B29C 48/30 (2019.01)**
[25] EN
[54] **EXTRUSION DEVICE**
[54] **DISPOSITIF D'EXTRUSION**
[72] CORDIER, LAURENT, FR
[72] HAMM, BENOIT, FR
[72] HERMANT, ETIENNE, FR
[72] MASSEY, JEAN-MANUEL, FR
[72] SENEUZE, FRANCKY, FR
[71] AISAPACK HOLDING S.A., CH
[85] 2024-05-03
[86] 2023-01-09 (PCT/IB2023/050149)
[87] (WO2023/131912)
[30] EP (22150745.2) 2022-01-10

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[13] A1
[51] **Int.Cl. H03K 17/0412 (2006.01) H03K 17/76 (2006.01)**
[25] EN
[54] **RADIO FREQUENCY SWITCH DRIVER**
[54] **CIRCUIT D'ATTAQUE DE COMMUTATEUR RADIOFREQUENCE**
[72] OSSIF, SERGEI, FI
[71] ICEYE OY, FI
[85] 2024-05-03
[86] 2022-11-08 (PCT/EP2022/081081)
[87] (WO2023/088727)
[30] GB (2116517.0) 2021-11-16

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[13] A1
[51] **Int.Cl. G06F 13/12 (2006.01) G06F 21/31 (2013.01) G06F 3/0487 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AND USING WEARABLE ELECTRONIC ACCESSORIES**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR ET UTILISER DES ACCESSOIRES ELECTRONIQUES PORTABLES**
[72] BANKSTON, CAROLYN ANN, US
[72] GARDINAL, JORDAN, US
[71] AUDEO LLC, US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/049449)
[87] (WO2023/086414)
[30] US (63/277,417) 2021-11-09
[30] US (17/983,998) 2022-11-09

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) A61K 48/00 (2006.01) C12N 9/22 (2006.01) C12N 15/62 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **SINGLE CONSTRUCT PLATFORM FOR SIMULTANEOUS DELIVERY OF GENE EDITING MACHINERY AND NUCLEIC ACID CARGO**
[54] **PLATEFORME DE CONSTRUCTION UNIQUE POUR ADMINISTRATION SIMULTANEE D'UNE MACHINERIE D'EDITION DE GENE ET D'UNE CARGAISON D'ACIDE NUCLEIQUE**
[72] FINN, JONATHAN, DOUGLAS, US
[72] KAKKAR, RAHUL, US
[72] ESTES, BRETT, JOSEPH, GORDON, US
[72] ZHANG, YIJUN, US
[71] TOME BIOSCIENCES, INC., US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/079035)
[87] (WO2023/077148)
[30] US (63/274,483) 2021-11-01
[30] US (63/282,055) 2021-11-22
[30] US (63/298,941) 2022-01-12
[30] US (63/318,344) 2022-03-09
[30] US (63/352,897) 2022-06-16

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[51] **Int.Cl. A61L 24/00 (2006.01) A61L 24/04 (2006.01) A61L 24/10 (2006.01)**
[25] EN
[54] **SYNTHETIC SURGICAL HEMOSTAT**
[54] **PINCE HEMOSTATIQUE CHIRURGICALE SYNTHETIQUE**
[72] DANDE, PRASAD, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/079111)
[87] (WO2023/081677)
[30] US (63/275,209) 2021-11-03

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[13] A1
[51] **Int.Cl. C08F 220/36 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) A61K 6/889 (2020.01) C08F 2/00 (2006.01) C08L 33/14 (2006.01)**
[25] EN
[54] **LOW VISCOSITY URETHANE (METH)ACRYLATE MONOMERS AND THEIR USE IN PRODUCTION OF TOUGH POLYMERS WITH WELL-CONTROLLED MODULUS AND STRENGTH**
[54] **MONOMERES D'URETHANE (METH)ACRYLATE DE FAIBLE VISCOSITE ET LEUR UTILISATION DANS LA PRODUCTION DE POLYMERES RESISTANTS AYANT UN MODULE ET UNE RESISTANCE BIEN REGULES**
[72] STANSBURY, JEFFREY, W., US
[72] SALAZAR, AUSTYN, US
[72] BARROS, MATTHEW, D., US
[72] SADOWSKY, STEVEN, J., US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[71] HYBRID CERAMIC, LLC, US
[85] 2024-05-01
[86] 2022-11-01 (PCT/US2022/079064)
[87] (WO2023/077159)
[30] US (63/274,348) 2021-11-01

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) A61K 9/127 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **POLYNUCLEOTIDES, COMPOSITIONS, AND METHODS FOR GENOME EDITING**
[54] **POLYNUCLEOTIDES, COMPOSITIONS ET METHODES POUR L'EDITION GENOMIQUE**
[72] MULEPATI, SABIN, US
[72] STRETZ, LINDSEY JEAN, US
[71] INTELLIA THERAPEUTICS, INC., US
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/079124)
[87] (WO2023/081689)
[30] US (63/275,425) 2021-11-03
[30] US (63/352,158) 2022-06-14

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[13] A1
[51] **Int.Cl. C08G 63/183 (2006.01) C08G 63/91 (2006.01)**
[25] EN
[54] **CONTINUOUS TRANSESTERIFICATION OF POLYALKYLENE TEREPHTHALATE**
[54] **TRANSESTERIFICATION EN CONTINU DU POLYALKYLENE TEREPHTALATE**
[72] WENDRICH, KAROLIN, DE
[72] GWIASDA, LUKAS, DE
[72] HAEGER, ANNA, DE
[72] ASKEVOLD, BJORN, DE
[71] ACTEGA RHENANIA GMBH, DE
[85] 2024-05-02
[86] 2022-10-25 (PCT/EP2022/079770)
[87] (WO2023/078734)
[30] EP (21206233.5) 2021-11-03

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[51] **Int.Cl. A61K 31/04 (2006.01) A61K 31/13 (2006.01) A61K 31/7008 (2006.01) A61K 33/00 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 41/00 (2006.01)**
[25] EN
[54] **NITRIC OXIDE DONORS FOR USE IN SURGICAL RECOVERY**
[54] **DONNEURS D'OXYDE NITRIQUE DESTINES A ETRE UTILISES POUR LA RECUPERATION CHIRURGICALE**
[72] FOLEY, JOHN DEVLIN, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/079115)
[87] (WO2023/081681)
[30] US (63/275,176) 2021-11-03

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[13] A1
[51] **Int.Cl. E04H 5/00 (2006.01) E04B 5/48 (2006.01) E04H 1/00 (2006.01) E04H 1/12 (2006.01) E04H 5/02 (2006.01) F24F 7/013 (2006.01) G06F 1/16 (2006.01) G06F 1/20 (2006.01) H05K 7/14 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AIR COOLING OF EQUIPMENT IN DATA CENTER CAMPUSES**
[54] **SYSTEMES ET PROCEDES DE REFROIDISSEMENT PAR AIR D'UN EQUIPEMENT DANS DES CAMPUS DE CENTRE DE DONNEES**
[72] MUSILLI, JR. JOHN A., US
[72] KOERNER, MATTHEW DOUGLAS, US
[72] KOLAR, JOHN, US
[71] CRITICAL PROJECT SERVICES, LLC, US
[85] 2024-05-06
[86] 2022-11-17 (PCT/US2022/080081)
[87] (WO2023/092036)
[30] US (63/280,572) 2021-11-17
[30] US (63/308,468) 2022-02-09
[30] US (18/056,236) 2022-11-16

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[51] **Int.Cl. B02C 18/20 (2006.01)**
[25] EN
[54] **MACHINE BLADE**
[54] **COUTEAU DE MACHINE**
[72] FLEISCHHAUER, MATTHIAS, DE
[72] SMEJKAL, JUSTIN, DE
[71] BE MASCHINENMESSER GMBH & CO. KG, DE
[85] 2024-05-02
[86] 2022-11-04 (PCT/EP2022/080854)
[87] (WO2023/079096)
[30] DE (10 2021 128 768.5) 2021-11-04

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[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/06 (2006.01) B32B 5/12 (2006.01) B32B 5/26 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **BALLISTIC RESISTANT MATERIAL MADE OF MECHANICALLY ENTANGLED WOVEN FABRICS WITHOUT NONWOVEN FIBERS AND METHOD OF MAKING THEREOF**
[54] **MATERIAU PARE-BALLES CONSTITUE DE TISSUS TISSES MECANIQUEMENT ENCHEVETRES SANS FIBRES NON TISSEES ET PROCEDE DE FABRICATION ASSOCIE**
[72] HOVANEC, JOSEPH, US
[72] JANCO, SCOTT, US
[72] SHAHKARAMI, SHEKOUFEH, CA
[72] MULCAHY, KEVIN, US
[71] DUPONT SAFETY & CONSTRUCTION, INC., US
[85] 2024-05-01
[86] 2022-11-02 (PCT/US2022/079140)
[87] (WO2023/191902)
[30] US (63/277,802) 2021-11-10

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[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **HEAD-WEARABLE DISPLAY DEVICE**
[54] **DISPOSITIF D'AFFICHAGE POUVANT ETRE PORTE SUR LA TETE**
[72] DE MATOS PEREIRA VIEIRA, IVO YVES, PT
[72] MARQUES MENDES LOPES, JOAO RENDEIRO, PT
[72] DE SOUSA GOUVEIA PEREIRA RICARTE, JOAO CARLOS, PT
[71] LUSOSPACE, PROJECTOS ENGENHARIA LDA, PT
[85] 2024-05-02
[86] 2022-11-07 (PCT/EP2022/080960)
[87] (WO2023/083739)
[30] DE (10 2021 129 587.4) 2021-11-12

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[13] A1
[51] **Int.Cl. B32B 27/30 (2006.01) B32B 7/12 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **MDO BARRIER FILM, PACKAGE LAMINATES CONTAINING THE SAME, AND METHODS OF MAKING THE SAME**
[54] **FILM BARRIERE MDO, STRATIFIES D'EMBALLAGE LES CONTENANT, ET LEURS PROCEDES DE FABRICATION**
[72] CHENG, ZHAN, CN
[72] RUAN, DONG, CN
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2024-05-02
[86] 2021-11-08 (PCT/CN2021/129228)
[87] (WO2023/077500)

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[13] A1
[51] **Int.Cl. C08L 23/06 (2006.01)**
[25] EN
[54] **NOVEL RECYCLING PROCESS OF POLYETHYLENE**
[54] **NOUVEAU PROCEDE DE RECYCLAGE DE POLYETHYLENE**
[72] PISCIOTTI, FRANCESCO, SE
[72] SELLING, HUGO, SE
[72] KEIVANSHOKOUH, AMIN, SE
[72] SOLANO ARRIBAS, CARLOS, SE
[71] NEXAM CHEMICAL AB, SE
[85] 2024-05-02
[86] 2022-12-06 (PCT/EP2022/084649)
[87] (WO2023/104820)
[30] EP (21213147.8) 2021-12-08

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[13] A1
[51] **Int.Cl. C22C 38/02 (2006.01) C21D 1/76 (2006.01) C21D 3/04 (2006.01) C21D 8/02 (2006.01) C21D 9/46 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01) C22C 38/14 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01) C22C 38/34 (2006.01) C22C 38/38 (2006.01) C23C 2/02 (2006.01) C23C 28/00 (2006.01) C23C 28/02 (2006.01) C23C 2/06 (2006.01)**
[25] EN
[54] **ZINC COATED MN-CONTAINING ADVANCED HIGH STRENGTH STEEL AND METHOD OF MANUFACTURING THE SAME**
[54] **ACIER A HAUTE RESISTANCE AVANCE CONTENANT DU MN REVETU DE ZINC ET SON PROCEDE DE FABRICATION**
[72] PERLADE, ASTRID, FR
[72] ZHU, KANGYING, FR
[72] MATAIGNE, JEAN-MICHEL, FR
[72] STAUDTE, JONAS, FR
[71] ARCELORMITTAL, LU
[85] 2024-05-02
[86] 2022-10-17 (PCT/IB2022/059926)
[87] (WO2023/094909)
[30] IB (PCT/IB2021/060917) 2021-11-24

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[13] A1
[51] **Int.Cl. A01J 5/01 (2006.01) A01J 5/013 (2006.01)**
[25] EN
[54] **MILKING SYSTEM**
[54] **SYSTEME DE TRAITE**
[72] SCHOUTENS, BAS, NL
[72] DE HULLU, MATTHEUS JACOB, NL
[71] LELY PATENT N.V., NL
[85] 2024-05-02
[86] 2022-12-08 (PCT/IB2022/061927)
[87] (WO2023/111783)
[30] NL (2030111) 2021-12-13

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[13] A1
[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 31/17 (2006.01) A61K 31/4196 (2006.01) A61K 45/06 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTERING VOXELOTOR**
[54] **METHODES D'ADMINISTRATION DE VOXELOTOR**
[72] WASHINGTON, CARLA B., US
[71] GLOBAL BLOOD THERAPEUTICS, INC., US
[85] 2024-05-01
[86] 2022-11-04 (PCT/US2022/079277)
[87] (WO2023/081801)
[30] US (63/276,498) 2021-11-05
[30] US (63/286,461) 2021-12-06
[30] US (63/291,191) 2021-12-17

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[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/12 (2006.01) H01F 1/147 (2006.01) C22C 38/60 (2006.01)**
[25] EN
[54] **GRAIN-ORIENTED ELECTRICAL STEEL SHEET AND METHODS FOR MANUFACTURING THE SAME**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS ORIENTES ET SON PROCEDE DE PRODUCTION**
[72] OMURA TAKESHI, JP
[72] ICHIHARA YOSHIHISA, JP
[72] YOSHIZAKI SOUICHIRO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2024-05-02
[86] 2022-09-22 (PCT/JP2022/035418)
[87] (WO2023/112421)
[30] JP (2021-202287) 2021-12-14

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[13] A1
[51] **Int.Cl. H04W 8/18 (2009.01)**
[25] EN
[54] **DATA COLLECTION METHOD AND COMMUNICATION APPARATUS**
[54] **PROCEDE DE COLLECTE DE DONNEES ET APPAREIL DE COMMUNICATION**
[72] PAN, QI, CN
[72] HUANG, ZHENGLEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-05-02
[86] 2022-10-28 (PCT/CN2022/128388)
[87] (WO2023/078183)
[30] CN (202111294132.6) 2021-11-03

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[13] A1
[51] **Int.Cl. C12Q 1/6844 (2018.01)**
[25] EN
[54] **DIRECT REPLACEMENT GENOME EDITING**
[54] **EDITION GENOMIQUE A REMPLACEMENT DIRECT**
[72] HALPERIN, SCHAKED OMER, US
[72] CHICKERING, MICHAEL, US
[72] GREWAL, PARBIR, US
[72] CHAVEZ, LEONARD, US
[71] REPLACE THERAPEUTICS, LLC., US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/079567)
[87] (WO2023/086834)
[30] US (63/278,886) 2021-11-12
[30] US (63/341,200) 2022-05-12

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[13] A1
[51] **Int.Cl. G01N 29/024 (2006.01)**
[25] EN
[54] **GAS CONCENTRATION MEASUREMENT DEVICE**
[54] **DISPOSITIF DE MESURE DE CONCENTRATION DE GAZ**
[72] SHINFUKU YOSHIFUMI, JP
[72] SEKI TAKUYA, JP
[71] NISSHINBO HOLDINGS INC., JP
[71] JAPAN RADIO CO., LTD., JP
[71] UEDA JAPAN RADIO CO., LTD., JP
[85] 2024-05-02
[86] 2022-10-31 (PCT/JP2022/040654)
[87] (WO2023/085151)
[30] JP (2021-184737) 2021-11-12

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **TREATMENT OF LUNG DISEASE BASED UPON STRATIFICATION OF POLYGENIC SCORE RELATING TO RESPONSE TO A THERAPEUTIC AGENT**
[54] **TRAITEMENT DES MALADIES PULMONAIRES FONDE SUR LA STRATIFICATION D'UN SCORE POLYGENIQUE RELATIF A LA REPONSE A UN AGENT THERAPEUTIQUE**
[72] PAULDING, CHARLES, US
[72] CHEN, SHAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-05-01
[86] 2022-11-29 (PCT/US2022/080576)
[87] (WO2023/102383)
[30] US (63/284,041) 2021-11-30

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[13] A1
[51] **Int.Cl. G01N 29/024 (2006.01)**
[25] EN
[54] **GAS CONCENTRATION MEASUREMENT DEVICE**
[54] **DISPOSITIF DE MESURE DE CONCENTRATION DE GAZ**
[72] SHINFUKU YOSHIFUMI, JP
[72] ITO ISAO, JP
[71] NISSHINBO HOLDINGS INC., JP
[71] JAPAN RADIO CO., LTD., JP
[71] UEDA JAPAN RADIO CO., LTD., JP
[85] 2024-05-02
[86] 2022-10-31 (PCT/JP2022/040655)
[87] (WO2023/085152)
[30] JP (2021-184738) 2021-11-12

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[13] A1
[51] **Int.Cl. B60M 1/30 (2006.01) B60M 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SUPPORTING ELEVATED POWER RAILS**
[54] **SYSTEME ET PROCEDE DE SUPPORT DE RAILS CONDUCTEURS SURELEVES**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR GLOBAL MINING EQUIPMENT LLC, US
[85] 2024-05-01
[86] 2022-12-06 (PCT/US2022/080990)
[87] (WO2023/129795)
[30] US (17/563,339) 2021-12-28

[21] **3,237,324**
[13] A1
[51] **Int.Cl. G08B 13/191 (2006.01) G08B 29/18 (2006.01) G08B 13/189 (2006.01)**
[25] EN
[54] **MOTION DETECTION**
[54] **DETECTION DE MOUVEMENT**
[72] NALEN, STEVEN, US
[72] MAICHEN, II, MICHAEL, US
[72] WITT, DEREK THOMAS, US
[72] ARENSTAM, JAMES ERIC, US
[71] SIMPLISAFE, INC., US
[85] 2024-05-01
[86] 2023-01-13 (PCT/US2023/010789)
[87] (WO2023/137170)
[30] US (63/300,229) 2022-01-17
[30] US (63/300,230) 2022-01-17
[30] US (63/300,231) 2022-01-17
[30] US (63/300,232) 2022-01-17
[30] US (63/300,233) 2022-01-17
[30] US (63/300,234) 2022-01-17

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[13] A1
[51] **Int.Cl. G01N 29/024 (2006.01)**
[25] EN
[54] **WAVEFORM SHAPING DEVICE AND GAS CONCENTRATION MEASURING DEVICE**
[54] **DISPOSITIF DE MISE EN FORME DE FORME D'ONDE ET DISPOSITIF DE MESURE DE CONCENTRATION DE GAZ**
[72] SHINFUKU YOSHIFUMI, JP
[72] ITO ISAO, JP
[71] NISSHINBO HOLDINGS INC., JP
[71] JAPAN RADIO CO., LTD., JP
[71] UEDA JAPAN RADIO CO., LTD., JP
[85] 2024-05-02
[86] 2022-10-31 (PCT/JP2022/040656)
[87] (WO2023/085153)
[30] JP (2021-184739) 2021-11-12

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[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01J 20/28 (2006.01) B01J 20/32 (2006.01)**
[25] EN
[54] **SORBENT MATERIAL FOR CO2 CAPTURE, USES THEREOF AND METHODS FOR MAKING SAME**
[54] **MATERIAU SORBANT POUR LA CAPTURE DE CO2, SES UTILISATIONS ET SES PROCEDES DE FABRICATION**
[72] VARGAS, ANGELO, CH
[72] ALBANI, DAVIDE, CH
[72] MICHELS, NINA-LUISA, CH
[72] AZTIRIA, TOMAS, CH
[72] TROSCH, KIM, CH
[72] BAUER, GERALD, CH
[71] CLIMEWORKS AG, CH
[85] 2024-05-06
[86] 2022-11-22 (PCT/EP2022/082826)
[87] (WO2023/094386)
[30] EP (21210541.5) 2021-11-25

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[13] A1
[51] **Int.Cl. B21D 26/033 (2011.01) B21D 24/00 (2006.01)**
[25] EN
[54] **MOLDING DEVICE**
[54] **DISPOSITIF DE MOULAGE**
[72] NOGIWA KIMIHIRO, JP
[72] IDE AKIHIRO, JP
[72] KAWAKAMI MASASHI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2024-05-02
[86] 2023-02-06 (PCT/JP2023/003845)
[87] (WO2023/157698)
[30] JP (2022-023013) 2022-02-17

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[13] A1
[51] **Int.Cl. H04L 65/612 (2022.01) H04L 65/1069 (2022.01) H04L 65/1076 (2022.01) H04L 67/30 (2022.01)**
[25] EN
[54] **OUT-OF-HOME INTERNET CONNECTED HOUSEHOLD IDENTIFICATION**
[54] **IDENTIFICATION DE FOYER CONNECTE A INTERNET HORS DOMICILE**
[72] BLANCO, FABRIZIO, US
[72] DI MAURO, GIUSEPPE, US
[71] VIANT TECHNOLOGY LLC, US
[85] 2024-05-06
[86] 2022-11-17 (PCT/US2022/080055)
[87] (WO2023/107814)
[30] US (17/546,548) 2021-12-09

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[13] A1
[51] **Int.Cl. C08L 101/02 (2006.01) C08G 81/00 (2006.01)**
[25] EN
[54] **POLYMER MATERIAL HAVING PHASE SEPARATION STRUCTURE**
[54] **MATERIAU POLYMERE AYANT UNE STRUCTURE DE SEPARATION DE PHASE**
[72] SAKAI TAKAMASA, JP
[72] NAITO MITSURU, JP
[72] KATASHIMA TAKUYA, JP
[72] MASUI KOSUKE, JP
[72] KAMATA HIROYUKI, JP
[71] THE UNIVERSITY OF TOKYO, JP
[71] GELLYCLE CO., LTD., JP
[85] 2024-05-02
[86] 2023-04-28 (PCT/JP2023/016922)
[87] (WO2023/214551)
[30] JP (2022-076350) 2022-05-03

[21] **3,237,333**
[13] A1
[51] **Int.Cl. G06V 40/18 (2022.01)**
[25] EN
[54] **EYE TRACKER WITH HARDWARE FILTERING AND SOFTWARE SORTING**
[54] **OCULOMETRE A FILTRAGE MATERIEL ET TRI LOGICIEL**
[72] WAWRZINEK, THOMAS JOHANNES, DE
[72] RAPOPORT, TOBIAS JURA, DE
[71] ALCON INC., CH
[85] 2024-05-06
[86] 2023-05-31 (PCT/IB2023/055602)
[87] (WO2023/233334)
[30] US (63/365,721) 2022-06-02

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[13] A1
[51] **Int.Cl. H01M 4/587 (2010.01) H01M 4/133 (2010.01) H01M 10/0525 (2010.01) H01M 4/02 (2006.01) H01M 4/36 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **NEGATIVE ELECTRODE ACTIVE MATERIAL, AND NEGATIVE ELECTRODE AND SECONDARY BATTERY WHICH INCLUDE THE SAME**
[54] **MATERIAU ACTIF D'ELECTRODE NEGATIVE, ET ELECTRODE NEGATIVE ET BATTERIE SECONDAIRE LA COMPRENANT**
[72] LIM, GA HYUN, KR
[72] LEE, CHANG JU, KR
[72] WOO, SANG WOOK, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-02
[86] 2022-12-21 (PCT/KR2022/020945)
[87] (WO2023/121284)
[30] KR (10-2021-0184259) 2021-12-21

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[13] A1
[51] **Int.Cl. E21B 43/14 (2006.01) E21B 7/06 (2006.01) E21B 23/01 (2006.01) E21B 23/06 (2006.01) E21B 29/06 (2006.01) E21B 33/14 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MULTILATERAL COMPLETIONS**
[54] **SYSTEMES ET PROCEDES POUR DES COMPLETIONS MULTILATERALES**
[72] FOULD, JEREMIE, SA
[72] SEIAM, MAHMOUD, SA
[72] ZEGGAGH, SALIM, SA
[72] REA, MIKE, SA
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-02
[86] 2022-10-21 (PCT/US2022/047443)
[87] (WO2023/081026)
[30] US (63/275,744) 2021-11-04

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[13] A1
[51] **Int.Cl. A61Q 11/00 (2006.01) A61K 8/02 (2006.01)**
[25] EN
[54] **A DUAL GEL COLORIMETRIC EFFERVESCENT DENTAL CALCULUS SOFTENING/TOOTH WHITENING/ ANTI-INFLAMMATORY CLEANING COMPOSITION WITH INSTANTANEOUS MIXING VIA DOUBLE BARREL SYRINGE DELIVERY**
[54] **COMPOSITION EFFERVESCENTE COLORIMETRIQUE ANTI-INFLAMMATOIRE A DEUX GELS POUR NETTOYAGE, BLANCHIMENT DES DENTS ET RAMOLLISSEMENT DU TARTRE DENTAIRE AVEC MELANGE INSTANTANE AU MOYEN D'UNE SERINGUE A DEUX CYLINDRES**
[72] GUZMAN, JASON EDWARD, US
[72] DEUTSCH, ALLAN, US
[71] ESSENTIAL DENTAL SYSTEMS, INC., US
[85] 2024-05-02
[86] 2022-10-18 (PCT/US2022/046960)
[87] (WO2023/091261)
[30] US (17/527,438) 2021-11-16

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **NOVEL CRISPR-CAS12I SYSTEMS AND USES THEREOF**
[54] **NOUVEAUX SYSTEMES CRISPR-CAS12I ET LEURS UTILISATIONS**
[72] ZHANG, HAINAN, CN
[72] KONG, XIANGFENG, CN
[72] CHEN, QIJIA, CN
[72] ZHOU, JINGXING, CN
[72] WANG, HAOQIANG, CN
[72] ZHANG, WEIHONG, CN
[71] HUIDAGENE THERAPEUTICS (SINGAPORE) PTE. LTD., CN
[85] 2024-05-02
[86] 2022-11-02 (PCT/CN2022/129376)
[87] (WO2023/078314)
[30] CN (202111289092.6) 2021-11-02
[30] CN (202210081981.1) 2022-01-24
[30] CN (PCT/CN2022/089074) 2022-04-25

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[13] A1
[51] **Int.Cl. B01F 35/42 (2022.01) B01F 29/00 (2022.01) B01F 29/321 (2022.01) B01F 29/34 (2022.01) B01F 35/31 (2022.01)**
[25] EN
[54] **DEVICES FOR IMPROVING SAMPLE PREPARATION AND PROCESSING**
[54] **DISPOSITIFS POUR AMELIORER LA PREPARATION ET LE TRAITEMENT D'ECHANTILLONS**
[72] XUE, YI, US
[72] WANG, JAMES, US
[72] KIANI, SEPEHR, US
[72] ALICCHIO, COREY, US
[71] FLUENT BIOSCIENCES INC., US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/048785)
[87] (WO2023/081263)
[30] US (63/275,152) 2021-11-03

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[13] A1
[51] **Int.Cl. G01V 1/48 (2006.01) G01V 1/46 (2006.01)**
[25] EN
[54] **AUTOMATIC WELL LOG CORRECTION**
[54] **CORRECTION AUTOMATIQUE DE DIAGRAPHIE DE PUITS**
[72] SIMOES, VANESSA, US
[72] MANIAR, HIREN, US
[72] ZHAO, TAO, US
[72] ABUBAKAR, ARIA, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-02
[86] 2022-11-04 (PCT/US2022/048941)
[87] (WO2023/081343)
[30] US (63/263,555) 2021-11-04

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **BCMA-TARGETED CAR-T CELL THERAPY FOR MULTIPLE MYELOMA**
[54] **THERAPIE DU MYELOME MULTIPLE BASEE SUR DES CELLULES CAR-T CIBLEES PAR BCMA**
[72] AKRAM, MUHAMMAD, US
[72] DEBRAGANCA, KEVIN, US
[72] FAN, XIAOHU, CA
[72] GENG, DONG, US
[72] NESHEIWAT, TONIA, US
[72] PACAUD, LIDA, US
[72] SCHECTER, JORDAN, US
[72] VARSOS, HELEN, US
[72] ZUDAIRE UBANI, ENRIQUE, US
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[71] JANSSEN BIOTECH, INC., US
[71] LEGEND BIOTECH USA INC., US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/079216)
[87] (WO2023/081752)
[30] CN (PCT/CN2021/128578) 2021-11-04
[30] US (63/275,471) 2021-11-04

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[13] A1
[51] **Int.Cl. A61K 36/02 (2006.01) A61K 36/82 (2006.01)**
[25] EN
[54] **CURCUMIN COMPOSITIONS AND METHODS OF USE AS AN NK3 ANTAGONIST**
[54] **COMPOSITIONS DE CURCUMINE ET PROCEDES D'UTILISATION EN TANT QU'ANTAGONISTE DE NK3**
[72] KOMOROWSKI, JAMES R., US
[72] SYLLA, SARAH, US
[71] BONAFIDE HEALTH, LLC, US
[85] 2024-05-02
[86] 2022-10-18 (PCT/US2022/047068)
[87] (WO2023/091262)
[30] US (63/278,989) 2021-11-12

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[13] A1
[51] **Int.Cl. G09B 9/32 (2006.01) G03B 21/00 (2006.01) G09B 9/05 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF ADJUSTING FOCAL DISTANCES OF IMAGES DISPLAYED TO A USER OF A SIMULATOR**
[54] **SYSTEME ET PROCEDE PERMETTANT D'AJUSTER DES DISTANCES FOCALES D'IMAGES AFFICHEES A UN UTILISATEUR D'UN SIMULATEUR**
[72] KNAPLUND, JUSTIN K., US
[71] FLIGHTSAFETY INTERNATIONAL INC., US
[85] 2024-05-02
[86] 2022-11-15 (PCT/US2022/049919)
[87] (WO2023/086662)
[30] US (63/279,566) 2021-11-15

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[13] A1
[51] **Int.Cl. G01F 1/84 (2006.01) G01F 15/18 (2006.01) F16M 11/00 (2006.01)**
[25] EN
[54] **HEAVY CRADLE FOR REPLACEABLE CORIOLIS FLOW SENSORS**
[54] **BERCEAU LOURD POUR CAPTEURS DE DEBIT DE CORIOLIS REMPLACABLES**
[72] MALANI, DEEPAK BHAGWAN, US
[72] RAJAGOPALAN, JAYASEKAR, US
[71] MALEMA ENGINEERING CORPORATION, US
[85] 2024-05-02
[86] 2022-11-01 (PCT/US2022/048615)
[87] (WO2023/081164)
[30] US (63/274,841) 2021-11-02
[30] US (17/523,185) 2021-11-10

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[51] **Int.Cl. G06N 3/02 (2006.01)**
[25] EN
[54] **FORECASTING ENERGY CONSUMPTION IN A MIXED-VEHICLE FLEET**
[54] **PREVISION DE LA CONSOMMATION D'ENERGIE DANS UNE FLOTTE DE VEHICULES MIXTES**
[72] DUBEY, ABHISHEK, US
[72] WILBUR, MICHAEL, US
[72] MUKHOPADHYAY, AYAN, US
[72] LASZKA, ARON, US
[71] VANDERBILT UNIVERSITY, US
[71] UNIVERSITY OF HOUSTON SYSTEM, US
[85] 2024-05-02
[86] 2022-11-18 (PCT/US2022/080118)
[87] (WO2023/092058)
[30] US (63/280,839) 2021-11-18
[30] US (63/317,276) 2022-03-07

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[13] A1
[51] **Int.Cl. A01N 47/06 (2006.01) A01N 25/02 (2006.01) A01N 25/32 (2006.01) A01N 37/40 (2006.01) A01N 43/56 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **PESTICIDAL COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES PESTICIDES**
[72] ACOSTA AMADO, RICARDO, US
[72] HERCAMP, JOSEPH C., US
[71] CORTEVA AGRISCIENCE LLC, US
[85] 2024-05-02
[86] 2022-11-01 (PCT/US2022/079092)
[87] (WO2023/081664)
[30] US (63/274,582) 2021-11-02

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[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/90 (2006.01) A61B 17/56 (2006.01)**
[25] EN
[54] **BONE FIXATION PLATES AND ALIGNMENT GUIDES**
[54] **PLAQUES DE FIXATION OSSEUSE ET GUIDES D'ALIGNEMENT**
[72] DACOSTA, ALBERT, US
[72] COLLETTE, TRISTAN, US
[72] HUNT, RICHARD DAVID, US
[71] PARAGON 28, INC., US
[85] 2024-05-02
[86] 2022-11-22 (PCT/US2022/080294)
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[30] US (63/264,477) 2021-11-23

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[51] **Int.Cl. H01H 83/02 (2006.01) H01H 83/10 (2006.01) H01H 83/16 (2006.01) H01H 83/18 (2006.01) H01H 83/20 (2006.01) H01H 71/12 (2006.01) H01H 73/46 (2006.01) H01H 77/02 (2006.01) H02G 7/02 (2006.01) H02G 7/14 (2006.01) H02G 7/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILITY CONDUCTOR POSITION MONITORING SYSTEM**
[54] **SYSTEMES ET PROCEDES POUR SYSTEME DE SURVEILLANCE DE POSITION DE CONDUCTEURS DE DISTRIBUTION D'ENERGIE**
[72] SANTHANAM, BALAJI, US
[72] KELLEY, MICHAEL LEE, US
[72] WILDER, STEVEN E., US
[72] BATEY, DOUGLAS J., US
[72] LEYH, SCOTT G., US
[72] LAUDOLFF, WILLIAM E., US
[71] ACLARA TECHNOLOGIES LLC, US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/048828)
[87] (WO2023/081285)
[30] US (63/275,227) 2021-11-03

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCERS AND ENHANCING EFFICACY OF GPRC5DXCD3 BISPECIFIC ANTIBODIES**
[54] **METHODES DE TRAITEMENT DE CANCERS ET D'AMELIORATION DE L'EFFICACITE D'ANTICORPS BISPECIFIQUES GPRC5DXCD3**
[72] GOLDBERG, JENNA, US
[72] WANG LIN, SHUN XIN, US
[72] PRIOR, THOMAS J., US
[72] VERONA, RALUCA, US
[72] WEISS, BRENDAN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-02
[86] 2022-11-02 (PCT/US2022/079144)
[87] (WO2023/081704)

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[13] A1
[51] **Int.Cl. C10M 143/00 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITION WITH VISCOSITY MODIFIER BASED ON SYNDIOTACTIC PROPYLENE-BASED ETHYLENE-PROPYLENE COPOLYMERS WITH IMPROVED PROPERTIES**
[54] **COMPOSITION D'HUILE LUBRIFIANTE AVEC MODIFICATEUR DE VISCOSITE A BASE DE COPOLYMERES D'ETHYLENE-PROPYLENE A BASE DE PROPYLENE SYNDIOTACTIQUE PRESENTANT DES PROPRIETES AMELIOREES**
[72] ZHANG, SARA YUE, US
[72] SEPEHR, MARYAM, US
[72] MORGAN, DAVID L., US
[72] ZHANG, JINGWEN, US
[72] CANICH, JO ANN M., US
[72] JIANG, PEIJUN, US
[72] HAGADORN, JOHN R., US
[72] ECKERT, CHASE A., US
[72] MATTLER, SARAH J., US
[72] KANG, SHUHUI, US
[72] PATEL, PRITESH ARJUNBHAI, US
[71] CHEVRON ORONITE COMPANY LLP, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-05-06
[86] 2022-11-04 (PCT/US2022/048909)
[87] (WO2023/081327)
[30] US (63/276,025) 2021-11-05

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[13] A1
[51] **Int.Cl. C08F 210/06 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **SYNDIOTACTIC PROPYLENE-BASED ETHYLENE-PROPYLENE COPOLYMERS**
[54] **COPOLYMERES D'ETHYLENE-PROPYLENE A BASE DE PROPYLENE SYNDIOTACTIQUE**
[72] ZHANG, JINGWEN, US
[72] CANICH, JO ANN M., US
[72] JIANG, PEIJUN, US
[72] HAGADORN, JOHN R., US
[72] ECKERT, CHASE A., US
[72] MATTLER, SARAH J., US
[72] KANG, SHUHUI, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-05-06
[86] 2022-11-04 (PCT/US2022/048907)
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[30] US (63/276,012) 2021-11-05

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[13] A1
[51] **Int.Cl. B25J 9/00 (2006.01) B25J 9/10 (2006.01)**
[25] EN
[54] **ARM SUPPORT SYSTEMS AND METHODS FOR USING THEM**
[54] **SYSTEMES DE SUPPORT DE BRAS ET LEURS PROCEDES D'UTILISATION**
[72] DOYLE, MARK C., US
[72] MANSFIELD, DAVID A., US
[71] LEVITATE TECHNOLOGIES, INC., US
[85] 2024-05-02
[86] 2022-11-03 (PCT/US2022/048897)
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[30] US (63/275,332) 2021-11-03

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCERS AND ENHANCING EFFICACY OF BCMAXCD3 BISPECIFIC ANTIBODIES**
[54] **METHODES DE TRAITEMENT DE CANCERS ET D'AMELIORATION DE L'EFFICACITE D'ANTICORPS BISPECIFIQUES BCMAXCD3**
[72] GOLDBERG, JENNA, US
[72] JASIELEC, JAGODA, US
[72] VERONA, RALUCA, US
[72] WEISS, BRENDAN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-02
[86] 2022-11-02 (PCT/US2022/079147)
[87] (WO2023/081705)
[30] US (63/275,368) 2021-11-03
[30] US (63/288,279) 2021-12-10
[30] US (63/348,036) 2022-06-02

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[13] A1
[51] **Int.Cl. A61L 9/20 (2006.01) B60H 3/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PURIFYING A VEHICLE CABIN**
[54] **DISPOSITIF ET PROCEDE DE PURIFICATION D'UNE CABINE DE VEHICULE**
[72] ELLIS, WALTER B., US
[72] CHTCHAVELEV, SERGEI, US
[71] RGF ENVIRONMENTAL GROUP, INC., US
[85] 2024-05-02
[86] 2022-11-23 (PCT/US2022/080399)
[87] (WO2023/097255)
[30] US (63/283,791) 2021-11-29

[21] **3,237,361**
[13] A1
[51] **Int.Cl. A45B 23/00 (2006.01) E04H 15/00 (2006.01)**
[25] EN
[54] **TENTERED MULTIFUNCTIONAL DECORATIVE ELEMENT**
[54] **ELEMENT DECORATIF MULTIFONCTIONNEL ETENDU SUR RAME**
[72] KOHLER, KARL-HEINZ, DE
[71] BERLINER SEILFABRIK GMBH & CO., DE
[85] 2024-04-30
[86] 2022-05-11 (PCT/EP2022/062719)
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[30] DE (20 2021 102 722.3) 2021-05-19

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61K 41/00 (2020.01) A61K 47/18 (2017.01) A61N 5/06 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01)**
[25] EN
[54] **PHOTODYNAMIC THERAPY ILLUMINATOR DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES D'ECLAIRAGE DE THERAPIE PHOTODYNAMIQUE**
[72] JIN, XIAOPIN, CA
[72] ABDALGHAFOR, HAYDAR, CA
[72] CAROTA, MARK, US
[72] SANGHVI, PRADEEP, US
[72] BOYAJIAN, THOMAS, US
[72] MAZEJKA, BRIAN, US
[72] LUNDAHL, SCOTT, US
[72] HADJIKEZIAN, BRENDEN B., CA
[72] ZADYKOWICZ, JERZY, CA
[72] HAQUE, TASNUVA, CA
[71] SUN PHARMACEUTICAL INDUSTRIES, INC., US
[85] 2024-05-06
[86] 2022-11-04 (PCT/IB2022/060654)
[87] (WO2023/079513)
[30] US (63/276,312) 2021-11-05

[21] **3,237,365**
[13] A1
[51] **Int.Cl. C25C 3/08 (2006.01) C25C 3/24 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF TIB2 PRODUCTS WITH DIRECTING FEATURES**
[54] **PROCEDES ET SYSTEMES DE PRODUITS DE TIB2 AVEC DES ELEMENTS DIRECTEUR**
[72] LIU, XINGHUA, US
[72] MOSSER, BENJAMIN D., US
[71] ALCOA USA CORP., US
[85] 2024-05-06
[86] 2022-11-07 (PCT/US2022/049159)
[87] (WO2023/081479)
[30] US (63/276,892) 2021-11-08

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[13] A1
[51] **Int.Cl. C25C 3/24 (2006.01) C25C 3/08 (2006.01) C25C 3/12 (2006.01)**
[25] EN
[54] **ADVANCED PURIFICATION CELL FOR ALUMINUM SCRAP RECYCLING**
[54] **CELLULE DE PURIFICATION AVANCEE POUR RECYCLAGE DE DECHETS D'ALUMINIUM**
[72] LIU, XINGHUA, US
[72] MOSSER, BENJAMIN D., US
[71] ALCOA USA CORP., US
[85] 2024-05-06
[86] 2022-11-07 (PCT/US2022/049157)
[87] (WO2023/081477)
[30] US (63/276,892) 2021-11-08
[30] US (63/311,366) 2022-02-17

[21] **3,237,371**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **CONJUGATES COMPRISING A PHOSPHORUS (V) AND A DRUG MOIETY**
[54] **CONJUGUES COMPRENANT UN PHOSPHORE (V) ET UNE FRACTION DE MEDICAMENT**
[72] HACKENBERGER, CHRISTIAN, DE
[72] OCHTROP, PHILIPP, DE
[72] JAHZERAH, JAHAZIEL, DE
[72] MACHUI, PAUL, DE
[72] SCHUMACHER, DOMINIK, DE
[72] HELMA-SMETS, JONAS, DE
[72] MAI, ISABELLE, DE
[72] KASPER, MARC-ANDRE, DE
[71] TUBULIS GMBH, DE
[71] FORSCHUNGSVERBUND BERLIN E.V., DE
[85] 2024-05-06
[86] 2022-11-09 (PCT/EP2022/081345)
[87] (WO2023/083900)
[30] EP (21207195.5) 2021-11-09

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[13] A1
[51] **Int.Cl. C08B 37/08 (2006.01) A61K 31/728 (2006.01) C08L 5/08 (2006.01)**
[25] FR
[54] **COMPOSITION, IN THE FORM OF AN AQUEOUS SOLUTION COMPRISING AT LEAST ONE MACROMOLECULAR COMPOUND**
[54] **COMPOSITION, SOUS FORME DE SOLUTION AQUEUSE COMPRENANT AU MOINS UN COMPOSE MACROMOLECULAIRE**
[72] TRANCHEPAIN, FREDERIC, FR
[72] BRUNEL, FLORENCE, FR
[71] LABORATOIRES VIVACY, FR
[85] 2024-05-06
[86] 2022-11-07 (PCT/EP2022/081024)
[87] (WO2023/079154)
[30] EP (21206821.7) 2021-11-06

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[13] A1
[51] **Int.Cl. C07C 323/50 (2006.01) A61K 31/105 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **CYSTEAMINE AND/OR CYSTAMINE PRODRUGS**
[54] **PROMEDICAMENTS DE CYSTEAMINE ET/OU DE CYSTAMINE**
[72] DOHIL, RANJAN, US
[72] BALLATORE, CARLO, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-06
[86] 2022-12-28 (PCT/US2022/054144)
[87] (WO2023/129584)
[30] US (63/294,335) 2021-12-28

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[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A01N 43/58 (2006.01) C07D 403/04 (2006.01) C07D 409/04 (2006.01) C07D 491/056 (2006.01)**
[25] EN
[54] **HERBICIDAL DERIVATIVES**
[54] **DERIVES HERBICIDES**
[72] MORRIS, JAMES ALAN, GB
[72] WHALLEY, LOUISA, GB
[72] ANDERSON, ZOE JANE, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-06
[86] 2022-11-15 (PCT/EP2022/082045)
[87] (WO2023/088921)
[30] EP (21208993.2) 2021-11-18

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[13] A1
[51] **Int.Cl. B32B 13/08 (2006.01) B01J 20/18 (2006.01) B32B 13/02 (2006.01) B32B 13/14 (2006.01) C04B 28/14 (2006.01)**
[25] EN
[54] **HIGH SALT GYPSUM WALLBOARD CONTAINING SALT ABSORBENTS AND METHODS OF MAKING SAME**
[54] **PANNEAU DE PLACOPLATRE A TENEUR ELEVEE EN SEL CONTENANT DES ABSORBANTS DE SEL ET PROCEDES DE FABRICATION DE CELLE-CI**
[72] LI, QINGHUA, US
[72] HEMPHILL, MARK, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2024-05-06
[86] 2022-11-11 (PCT/US2022/079718)
[87] (WO2023/091880)
[30] US (63/279,869) 2021-11-16
[30] US (17/851,709) 2022-06-28

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01)**
[25] EN
[54] **CONJUGATES COMPRISING A PHOSPHORUS (V) AND A CAMPTOTHECIN MOIETY**
[54] **CONJUGUES COMPRENANT UN PHOSPHORE (V) ET UN FRAGMENT DE CAMPTOTHECINE**
[72] KASPER, MARC-ANDRE, DE
[72] MACHUI, PAUL, DE
[72] MAI, ISABELLE, DE
[72] VOGL, ANNETTE, DE
[72] SCHMITT, SASKIA, DE
[72] SCHUMACHER, DOMINIK, DE
[72] HELMA-SMETS, JONAS, DE
[71] TUBULIS GMBH, DE
[85] 2024-05-06
[86] 2022-11-09 (PCT/EP2022/081371)
[87] (WO2023/083919)
[30] EP (21207284.7) 2021-11-09

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[13] A1
[51] **Int.Cl. G02B 6/00 (2006.01) G09F 9/30 (2006.01) H05K 5/02 (2006.01)**
[25] EN
[54] **ELECTRONIC PRICE TAG HAVING INTEGRATED LIGHT GUIDE STRUCTURE**
[54] **ETIQUETTE DE PRIX ELECTRONIQUE AYANT UNE STRUCTURE GUIDE DE LUMIERE INTEGREE**
[72] ZHANG, XIAOFEI, CN
[72] WANG, LINJIANG, CN
[72] ZHANG, SU, CN
[72] ZHAO, JIANGUO, CN
[72] HOU, SHIGUO, CN
[71] HANSHOW TECHNOLOGY CO., LTD., CN
[85] 2024-05-06
[86] 2022-11-09 (PCT/CN2022/130851)
[87] (WO2023/083211)
[30] CN (202122726728.0) 2021-11-09

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[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01) A61F 2/10 (2006.01)**
[25] EN
[54] **HAIR IMPLANTS COMPRISING ENHANCED ANCHORING AND MEDICAL SAFETY FEATURES**
[54] **IMPLANTS CAPILLAIRES COMPRENANT DES CARACTERISTIQUES D'ANCRAGE ET DE SECURITE MEDICALE AMELIOREES**
[72] LORIA, VICTOR, US
[71] LORIA HAIR IMPLANT COMPANY LLC, US
[85] 2024-05-06
[86] 2022-11-10 (PCT/US2022/049490)
[87] (WO2023/086439)
[30] US (17/523,472) 2021-11-10

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[13] A1
[51] **Int.Cl. C25B 1/04 (2021.01) C25B 9/015 (2021.01) C25B 9/05 (2021.01) C25B 9/19 (2021.01) C25B 9/63 (2021.01) C25B 9/65 (2021.01) C25B 9/70 (2021.01)**
[25] EN
[54] **HIGH-PRESSURE ELECTROLYSIS DEVICE**
[54] **DISPOSITIF D'ELECTROLYSE HAUTE PRESSION**
[72] MEERKERK, ARIE, NL
[71] CIPO, CA
[71] HYDRO-GEN BV, NL
[85] 2024-05-06
[86] 2022-11-11 (PCT/NL2022/050648)
[87] (WO2023/085938)
[30] NL (2029726) 2021-11-11

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[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING MODIFICATION DATA ON A POTENTIALLY MODIFYING OBJECT**
[54] **APPAREIL, PROCEDE OU PROGRAMME INFORMATIQUE DE SYNTHESE D'UNE SOURCE SONORE A EXTENSION SPATIALE (SESS) A L'AIDE DE DONNEES DE MODIFICATION SUR UN OBJET A MODIFICATION POTENTIELLE**
[72] WU, YUN-HAN, DE
[72] HERRE, JURGEN, DE
[72] KOROTIAEV, MIKHAIL, DE
[72] GEIER, MATTHIAS, DE
[72] SCHWAR, SIMON, DE
[72] ADAMI, ALEXANDER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-06
[86] 2022-11-07 (PCT/EP2022/080997)
[87] (WO2023/083753)
[30] EP (21207294.6) 2021-11-09

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **TERTIARY ALKANOLAMINE FOR GAS TREATING**
[54] **ALCANOLAMINE TERTIAIRE POUR LE TRAITEMENT DE GAZ**
[72] DOWDLE, JOHN R., US
[72] KUVADIA, ZUBIN B., US
[72] SRIVASTAVA, GAGAN, US
[72] LAROCHE, CHRISTOPHE R., US
[72] LAZAR, SIMONE T., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-06
[86] 2022-11-15 (PCT/US2022/049883)
[87] (WO2023/091384)
[30] US (63/279,817) 2021-11-16

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **AUTONOMOUS CELL IMAGING AND MODELING SYSTEM**
[54] **SYSTEME AUTONOME D'IMAGERIE ET DE MODELISATION CELLULAIRES**
[72] MARIE-NELLY, HERVE, US
[72] VELAYUTHAM, JEEVAA, US
[72] PHILIPS, ZACK, US
[72] TU, SHENGJIANG, US
[71] INSITRO, INC., US
[85] 2024-05-06
[86] 2022-11-19 (PCT/US2022/080200)
[87] (WO2023/092108)
[30] US (63/281,536) 2021-11-19

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[13] A1
[51] **Int.Cl. B22D 18/04 (2006.01) B22D 18/06 (2006.01) B22D 25/00 (2006.01) B22F 3/11 (2006.01) C22C 1/08 (2006.01) C22C 1/10 (2023.01) H01M 4/02 (2006.01) H01M 4/04 (2006.01) H01M 4/24 (2006.01) H01M 4/26 (2006.01) H01M 4/38 (2006.01) H01M 4/42 (2006.01) H01M 10/24 (2006.01) H01M 10/30 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A THREE-DIMENSIONAL METAL MOLDING BODY HAVING AN OPEN-CELL METAL SPONGE STRUCTURE**
[54] **PROCEDE DE FABRICATION D'UN CORPS DE MOULAGE METALLIQUE TRIDIMENSIONNEL AYANT UNE STRUCTURE D'EPONGE METALLIQUE A CELLULES OUVERTES**
[72] HESNAOUI, KATHRIN, DE
[72] WISNIEWSKI, JURGEN, DE
[72] GEHRKE, PETRA, DE
[72] MELZER, ARMIN, DE
[72] PRENGER, FRANK, DE
[71] GRILLO-WERKE AG, DE
[85] 2024-05-06
[86] 2022-11-11 (PCT/EP2022/081588)
[87] (WO2023/088797)
[30] EP (21208534.4) 2021-11-16

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[13] A1
[51] **Int.Cl. A61B 6/00 (2024.01) A61B 6/12 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, PROGRAM, AND IMAGE PROCESSING SYSTEM**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE, PROCEDE DE TRAITEMENT D'IMAGE, PROGRAMME ET SYSTEME DE TRAITEMENT D'IMAGE**
[72] KONO, KENICHI, JP
[72] FUKUDA, SHOGO, JP
[72] SAWAYAMA, TOMOKO, JP
[72] KAWAI, YUJI, JP
[72] MATSUMOTO, MINORU, JP
[72] JEONG, DOOWON, JP
[71] IMED TECHNOLOGIES, INC., JP
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[30] JP (2021-182423) 2021-11-09

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[51] **Int.Cl. C09K 8/528 (2006.01) C09K 8/536 (2006.01) C09K 8/74 (2006.01) C09K 8/86 (2006.01) C09K 8/94 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS TO ENHANCE MINERAL SCALE DISSOLUTION RATES**
[54] **MATERIAUX ET PROCEDES POUR AMELIORER DES VITESSES DE DISSOLUTION DE DEPOT DE MATIERE MINERALE**
[72] JIANG, LI, US
[72] STEWART, SUZANNE, US
[72] ABBOTT, JONATHAN, GB
[71] SWELLFIX UK LIMITED, GB
[85] 2024-05-06
[86] 2022-11-09 (PCT/GB2022/052842)
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[30] GB (2116098.1) 2021-11-09

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[13] A1
[51] **Int.Cl. G01N 30/00 (2006.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **NANOMEMBRANE DEVICE AND METHOD FOR BIOMARKER SAMPLING**
[54] **DISPOSITIF A NANOMEMBRANE ET METHODE D'ECHANTILLONNAGE DE BIOMARQUEURS**
[72] MCGRATH, JAMES LIONEL, US
[72] FLAX, JONATHAN DAVID, US
[72] LUCAS, KILEAN SCOTT, US
[72] WALKER, SAMUEL NORMAN, US
[71] UNIVERSITY OF ROCHESTER, US
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[86] 2022-07-31 (PCT/US2022/038984)
[87] (WO2023/018567)
[30] US (63/230,779) 2021-08-08

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[51] **Int.Cl. A61K 35/15 (2015.01)**
[25] EN
[54] **METHODS FOR TREATING OR PREVENTING VIRAL INFECTION**
[54] **METHODES DE TRAITEMENT OU DE PREVENTION D'UNE INFECTION VIRALE**
[72] JAKOBSEN, MARTIN ROELSGAARD, DK
[72] VAN DER SLUIS, RENEE, DK
[72] BAK, RASMUS OTKJAR, DK
[71] UNIKUM THERAPEUTICS APS, DK
[71] AARHUS UNIVERSITY, DK
[85] 2024-05-06
[86] 2022-11-07 (PCT/EP2022/080987)
[87] (WO2023/079143)
[30] GB (2116003.1) 2021-11-08

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[13] A1
[51] **Int.Cl. C25C 3/24 (2006.01) C25C 3/08 (2006.01) C25C 3/12 (2006.01) C25C 3/14 (2006.01) C25C 3/16 (2006.01)**
[25] EN
[54] **ADVANCED PURIFICATION CELL FOR ALUMINUM SCRAP RECYCLING**
[54] **CELLULE DE PURIFICATION AVANCEE POUR RECYCLAGE DE DECHETS D'ALUMINIUM**
[72] LIU, XINGHUA, US
[71] ALCOA USA CORP., US
[85] 2024-05-06
[86] 2022-11-14 (PCT/US2022/049783)
[87] (WO2023/086616)
[30] US (63/279,447) 2021-11-15
[30] US (63/335,984) 2022-04-28

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[13] A1
[51] **Int.Cl. F16K 24/04 (2006.01) B65D 47/24 (2006.01)**
[25] EN
[54] **VENT SYSTEM FOR PROTECTION FROM MOISTURE**
[54] **SYSTEME D'EVENT POUR LA PROTECTION CONTRE L'HUMIDITE**
[72] BANAR, OLEG T., US
[71] BANAR, OLEG T., US
[85] 2024-05-06
[86] 2022-11-01 (PCT/US2022/079050)
[87] (WO2023/081642)
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[51] **Int.Cl. H01Q 1/36 (2006.01) H01Q 1/27 (2006.01) H01Q 9/16 (2006.01) G01S 19/36 (2010.01)**
[25] EN
[54] **BROADBAND LOW PROFILE ANTENNA DEVICES AND METHODS**
[54] **DISPOSITIFS D'ANTENNE A LARGE BANDE ET A PROFIL BAS ET PROCEDES**
[72] MOVAHEDINIA, REZA, CA
[72] HAUTCOEUR, JULIEN, CA
[72] PANTHER, GYLES, CA
[72] BOTROS, JOSEPH, CA
[71] CALIAN GNSS LTD., CA
[85] 2024-05-06
[86] 2022-11-14 (PCT/CA2022/051674)
[87] (WO2023/087099)
[30] US (63/279,798) 2021-11-16
[30] US (63/370,775) 2022-08-08

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[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS OF EXPANSION TREATMENT UTILIZING CD8 TUMOR INFILTRATING LYMPHOCYTES**
[54] **PROCEDES DE TRAITEMENT DE MULTIPLICATION UTILISANT DES LYMPHOCYTES INFILTRANT LES TUMEURS CD8**
[72] VON FINCKENSTEIN, FRIEDRICH GRAF FINCK, US
[71] IOVANCE BIOTHERAPEUTICS, INC., US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/079519)
[87] (WO2023/086803)
[30] US (63/277,756) 2021-11-10

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[13] A1
[51] **Int.Cl. A61D 7/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR ATTACHING INTUBATED NON-HUMAN ANIMAL TO GAS DELIVERY SYSTEM**
[54] **APPAREIL DE RACCORDEMENT D'UN ANIMAL NON HUMAIN INTUBE A UN SYSTEME D'ADMINISTRATION DE GAZ**
[72] TAN, WEI TECK, SG
[72] CHOOK, WIN YAN, SG
[72] KHALID BIN ABDUL HALID, DANIAL, SG
[72] LAM, SHARON AI ER, SG
[72] TOH, WEI WEN, SG
[72] YEO, YING SHAN, SG
[72] KOH, JUN JIA, SG
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2024-05-06
[86] 2022-11-03 (PCT/EP2022/080748)
[87] (WO2023/083701)
[30] EP (21207638.4) 2021-11-10

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[13] A1
[51] **Int.Cl. F42D 1/08 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **A METHOD OF LINING A BOREHOLE, A SYSTEM AND COMPONENTS OF SAME**
[54] **PROCEDE DE CHEMISAGE D'UN TROU DE FORAGE, SYSTEME ET COMPOSANTS DE CELUI-CI**
[72] JANICEK, ADAM, CZ
[72] ORZECHOWSKI, LARS, DE
[71] MINOVA INTERNATIONAL LIMITED, GB
[85] 2024-05-06
[86] 2022-11-25 (PCT/GB2022/052990)
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[30] AU (2021903819) 2021-11-26

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[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **AUTOMOTIVE WINDOW LAMINATE STRUCTURE, THERMOPLASTIC LAMINATED SHEET STRUCTURE FOR USE THEREIN, AND METHOD FOR PRODUCING SAID AUTOMOTIVE WINDOW LAMINATE STRUCTURE VIA HEAT PRESSURE LAMINATING PROCESS**
[54] **STRUCTURE STRATIFIEE DE VITRE AUTOMOBILE, STRUCTURE EN FEUILLE STRATIFIEE THERMOPLASTIQUE DESTINEE A Y ETRE UTILISEE, ET PROCEDE DE PRODUCTION DE LADITE STRUCTURE STRATIFIEE DE VITRE AUTOMOBILE PAR L'INTERMEDIAIRE D'UN PROCESSUS DE STRATIFICATION A LA CHALEUR SOUS PRESSION**
[72] DRIEHUIS, BARTHOLOMEUS LEONARDUS MARINUS BORCHERD, NL
[71] AUTOGLAS D & K B.V., NL
[85] 2024-05-06
[86] 2022-11-14 (PCT/NL2022/050651)
[87] (WO2023/085940)
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[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/24 (2006.01) A01N 25/30 (2006.01)**
[25] EN
[54] **STABLE AGRICULTURAL COMPOSITIONS**
[54] **COMPOSITIONS AGRICOLES STABLES**
[72] CHEUNG, TAK WAI, US
[72] ZHOU, KE, US
[71] VALENT U.S.A. LLC, US
[85] 2024-05-06
[86] 2022-11-30 (PCT/US2022/051313)
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[13] A1
[51] **Int.Cl. G01J 3/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TINTING USING LOW-RESOLUTION SPECTROPHOTOMETER**
[54] **SYSTEME ET PROCEDE POUR UNE TEINTURE A L'AIDE D'UN SPECTROPHOTOMETRE A BASSE RESOLUTION**
[72] REVNEW, STEPHEN M., US
[72] CONGIN, ANTHONY T., US
[72] LEONARD, JAMES A., US
[72] WHARRY, WILLIAM M., US
[71] SWIMC LLC, US
[85] 2024-05-06
[86] 2022-11-03 (PCT/US2022/079212)
[87] (WO2023/086747)
[30] US (63/263,839) 2021-11-10
[30] US (63/294,594) 2021-12-29

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[13] A1
[51] **Int.Cl. F02B 19/10 (2006.01) F02B 19/12 (2006.01)**
[25] EN
[54] **PRE-CHAMBER COMBUSTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE COMBUSTION PRE-CHAMBRE**
[72] MERICAL, KYLE I., US
[72] RANDOLPH, ANDREW, US
[72] DEAN, JOHN ANTHONY, US
[72] YELVINGTON, PAUL E., US
[72] BROWNE, JOSHUA B., US
[71] M2X ENERGY INC., US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/049446)
[87] (WO2023/086413)
[30] US (63/277,522) 2021-11-09

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[13] A1
[51] **Int.Cl. G06M 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR PERFORMING A REMOTE HAIR ANALYSIS**
[54] **SYSTEME ET PROCEDES POUR EFFECTUER UN EXAMEN CAPILLAIRE A DISTANCE**
[72] ANDRAUS, ZAHER, US
[72] LANE, TIMOTHY, US
[72] LIBERMAN, YAER, AU
[71] SPIDER MEDICAL LTD, IL
[85] 2024-05-06
[86] 2022-11-08 (PCT/IL2022/051181)
[87] (WO2023/079563)
[30] US (63/276,694) 2021-11-08

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[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR USER DATA COLLECTION**
[54] **SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES D'UTILISATEUR**
[72] DAVIS, CLINTON A., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/049234)
[87] (WO2023/081501)
[30] US (63/276,802) 2021-11-08

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[13] A1
[51] **Int.Cl. F03B 13/20 (2006.01)**
[25] EN
[54] **WAVE ENERGY CONVERTER**
[54] **CONVERTISSEUR D'ENERGIE HOULOMOTRICE**
[72] HAMMAGREN, ERIK J., US
[72] LENEE-BLUHM, PUKHA, US
[72] BUSH-O'HEARN, KELEN P., US
[72] ONDUSKO, MICHAEL L., US
[72] PRUDELL, JOSEPH H., US
[72] RUMMEL, LEONARD G., US
[72] ZHANG, ZHE, US
[71] COLUMBIA POWER TECHNOLOGIES, INC., US
[85] 2024-05-06
[86] 2022-10-18 (PCT/US2022/078276)
[87] (WO2023/091832)
[30] US (17/528,705) 2021-11-17

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[13] A1
[51] **Int.Cl. C12N 5/0793 (2010.01)**
[25] EN
[54] **METHODS FOR PRODUCTION OF FUNCTIONAL NEURONS**
[54] **PROCEDES DE PRODUCTION DE NEURONES FONCTIONNELS**
[72] MUCKOM, RIYA J., US
[71] AXENT BIOSCIENCES INC., US
[85] 2024-05-06
[86] 2022-11-10 (PCT/US2022/079651)
[87] (WO2023/086894)
[30] US (63/278,902) 2021-11-12

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[13] A1
[51] **Int.Cl. F02C 6/06 (2006.01) F02C 7/36 (2006.01) F02C 9/44 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING THE RENEWABLE ENERGY USE IN AN LNG TRAIN**
[54] **PROCEDE DE COMMANDE DE L'UTILISATION D'ENERGIE RENOUVELABLE DANS UN TRAIN A GNL**
[72] SASSANELLI, GIUSEPPE, IT
[72] GABBI, GIAMPAOLO, IT
[72] ALLEGORICO, CARMINE, IT
[72] RONTINI, GIULIA, IT
[71] NUOVO, PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2024-05-06
[86] 2022-11-04 (PCT/EP2022/025497)
[87] (WO2023/083490)
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[51] **Int.Cl. E01F 15/14 (2006.01)**
[25] EN
[54] **BARRIER SYSTEMS WITH IMPACT RESISTANT RAILS THAT EXTEND ALONG THE FLOOR**
[54] **SYSTEMES DE BARRIERE DOTES DE RAILS RESISTANT AUX CHOCS QUI S'ETENDENT LE LONG DU SOL**
[72] DONDLINGER, JASON, US
[72] CASEY, NICK, US
[72] DUESING, TONY, US
[72] WIEGEL, AARON, US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2024-05-06
[86] 2022-11-10 (PCT/US2022/049600)
[87] (WO2023/086508)
[30] US (63/278,948) 2021-11-12
[30] US (63/357,366) 2022-06-30

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[13] A1
[51] **Int.Cl. F25J 1/00 (2006.01)**
[25] EN
[54] **HYDROGEN LIQUEFACTION WITH STORED HYDROGEN REFRIGERATION SOURCE**
[54] **LIQUEFACTION D'HYDROGENE AVEC UNE SOURCE DE REFRIGERATION D'HYDROGENE STOCKE**
[72] SCHWARTZ, JOSEPH, US
[71] CHART ENERGY & CHEMICALS, INC., US
[85] 2024-05-06
[86] 2022-11-07 (PCT/US2022/049084)
[87] (WO2023/081439)
[30] US (63/276,888) 2021-11-08

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[13] A1
[51] **Int.Cl. E01F 15/04 (2006.01) E01F 15/14 (2006.01)**
[25] EN
[54] **BARRIER SYSTEMS WITH IMPACT RESISTANT RAILS SUPPORTED FROM FLOOR MOUNTED POST BASES**
[54] **SYSTEMES DE BARRIERE DOTES DE RAILS RESISTANTS AUX CHOCS SUPPORTES PAR DES PIEDS DE POTEAU MONTES SUR LE SOL**
[72] WIEGEL, AARON, US
[72] DONDLINGER, JASON, US
[72] CASEY, NICK, US
[72] KORMAN, BUTCH, US
[72] DUESING, TONY, US
[71] RITE-HITE HOLDING CORPORATION, US
[85] 2024-05-06
[86] 2022-11-10 (PCT/US2022/049593)
[87] (WO2023/086503)
[30] US (63/279,165) 2021-11-14

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-ILT4 AND ANTI-PD-1 BISPECIFIC CONSTRUCTS**
[54] **CONSTRUCTIONS BISPECIFIQUES ANTI-ILT4 ET ANTI-PD-1**
[72] KELER, TIBOR, US
[72] GOLDSTEIN, JOEL, US
[72] MURPHY, MICHAEL, US
[72] O'NEILL, THOMAS, US
[72] VITALE, LAURA A., US
[72] CHEN, MINGJIU, CN
[71] CELIDEX THERAPEUTICS, INC., US
[71] BIOSION INC., CN
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/079442)
[87] (WO2023/091865)
[30] CN (PCT/CN2021/129380) 2021-11-08

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[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01) G01V 99/00 (2024.01) G06N 3/08 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF PREDICTIVE DECLINE MODELING FOR A WELL**
[54] **SYSTEMES ET PROCEDES DE MODELISATION PREDICTIVE DE DECLIN POUR UN PUITS**
[72] CHEN, QING, US
[72] LUO, XIN, US
[72] NEJAD, AMIR, US
[72] HU, BO, US
[72] OLSEN, CHRISTOPHER S., US
[72] WAGNER, ALEXANDER J., US
[72] SHAHIM, IMAN, US
[72] SCHNEIDER, CURT E., US
[72] SMITH, DAVID D., US
[72] FLOWERS, ANDY, US
[72] ZHANG, LIU CHAO, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/049217)
[87] (WO2023/081497)
[30] US (63/276,838) 2021-11-08

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[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **SPINAL CURVATURE MODULATION SYSTEMS**
[54] **SYSTEMES DE MODULATION DE COURBURE DE LA COLONNE VERTEBRALE**
[72] BARRETT, JOHN, US
[72] KADABA, MURALI, US
[72] ASHLEY, JOHN, US
[72] SHULOCK, DAMIEN, US
[71] AUCTUS SURGICAL, LLC, US
[85] 2024-05-06
[86] 2022-06-29 (PCT/US2022/035438)
[87] (WO2023/278518)
[30] US (17365508) 2021-07-01

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[13] A1
[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 10/0875 (2023.01)**
[25] EN
[54] **SYSTEM FOR CONFIGURING AN ENVIRONMENT BASED ON MODIFICATIONS TO SIMULATED VIRTUAL ENVIRONMENTS**
[54] **SYSTEME DE CONFIGURATION D'UN ENVIRONNEMENT SUR LA BASE DE MODIFICATIONS APPORTEES A DES ENVIRONNEMENTS VIRTUELS SIMULES**
[72] KRUGER, JOSHUA J., US
[72] BEHROOZI, SUSAN P., US
[71] STARBUCKS CORPORATION, US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/049441)
[87] (WO2023/086410)
[30] US (63/263,975) 2021-11-12

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[13] A1
[51] **Int.Cl. C04B 28/04 (2006.01) C04B 20/02 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A SYNTHETIC CARBONATED MINERAL COMPONENT IN A CEMENT MANUFACTURING PLANT**
[54] **PROCEDE DE PRODUCTION DE COMPOSANT MINERAL CARBONE SYNTHETIQUE DANS UNE INSTALLATION DE FABRICATION DE CIMENT**
[72] SCHNEDL, GEROLD, AT
[72] DARMANN, STEFAN, AT
[72] TOMIC-HAZIVAR, DANIJELA, AT
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2024-05-06
[86] 2022-11-09 (PCT/IB2022/060773)
[87] (WO2023/084403)
[30] EP (21020561.3) 2021-11-10

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[13] A1
[51] **Int.Cl. A61K 31/7105 (2006.01) A61P 31/04 (2006.01) C12N 9/00 (2006.01) C12N 9/48 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **RNA ENCODING PEPTIDOGLYCAN HYDROLASE AND USE THEREOF FOR TREATING BACTERIAL INFECTION**
[54] **ARN CODANT POUR LA PEPTIDOGLYCANE HYDROLASE ET SON UTILISATION POUR LE TRAITEMENT D'UNE INFECTION BACTERIENNE**
[72] SAHIN, UGUR, DE
[72] HENNING, ANDREAS, DE
[72] ERBAR, STEPHANIE, DE
[72] SCHILLE, STEFAN ALBRECHT, DE
[72] SPIER, ANNA, DE
[72] CORSINI, LORENZO, DE
[72] VISRAM, ZEHRA, DE
[71] BIONTECH SE, DE
[85] 2024-05-06
[86] 2022-11-09 (PCT/EP2022/081367)
[87] (WO2023/083916)
[30] EP (PCT/EP2021/081082) 2021-11-09

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[13] A1
[51] **Int.Cl. E04B 2/00 (2006.01) E04C 2/04 (2006.01) E04C 2/32 (2006.01) E04C 2/34 (2006.01)**
[25] EN
[54] **SELF-SUPPORTING ELEMENT FOR THE CONSTRUCTION OF STRUCTURES AND ASSOCIATED METHOD OF REALIZATION**
[54] **ELEMENT AUTOPORTANT DESTINE A LA CONSTRUCTION DE STRUCTURES ET PROCEDE DE REALISATION ASSOCIE**
[72] FRAGNITO, ANDREA, IT
[72] MENNA, COSTANTINO, IT
[72] MAURO, GERARDO MARIA, IT
[72] IASIELLO, MARCELLO, IT
[71] ETESIAS S.R.L., IT
[85] 2024-05-06
[86] 2022-11-10 (PCT/IB2022/060826)
[87] (WO2023/084437)
[30] IT (102021000028745) 2021-11-11

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[13] A1
[51] **Int.Cl. G06F 30/27 (2020.01) G06N 3/08 (2023.01) E21B 43/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MODELING OF DYNAMIC WATERFLOOD WELL PROPERTIES**
[54] **SYSTEMES ET PROCEDES DE MODELISATION DE PROPRIETES DE PUITS D'INJECTION D'EAU DYNAMIQUE**
[72] NEJAD, AMIR, US
[72] OLSEN, CHRISTOPHER S., US
[72] HU, BO, US
[72] LUO, XIN, US
[72] CHEN, QING, US
[72] WAGNER, ALEXANDER J., US
[72] ZHANG, LIU CHAO, US
[72] SHAHIM, IMAN, US
[72] SCHNEIDER, CURT E., US
[72] SMITH, DAVID D., US
[72] FLOWERS, ANDY, US
[72] BARCLAY, RICHARD, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/049224)
[87] (WO2023/081498)
[30] US (63/276,909) 2021-11-08

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[13] A1
[51] **Int.Cl. A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-VISTA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTIVISTA ET LEURS UTILISATIONS**
[72] PIERCE, ROBERT, US
[72] VAN DER HORST, EDWARD H., US
[72] THISTED, THOMAS, US
[72] BOLAND, NADTHAKARN, US
[72] NIELSON, NELS, US
[71] SENSEI BIOTHERAPEUTICS, INC., US
[85] 2024-05-06
[86] 2022-11-09 (PCT/US2022/079568)
[87] (WO2023/086835)
[30] US (63/277,395) 2021-11-09
[30] US (63/332,813) 2022-04-20
[30] US (63/374,147) 2022-08-31
[30] US (63/376,554) 2022-09-21

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[13] A1
[51] **Int.Cl. B01F 25/40 (2022.01) E21B 49/08 (2006.01)**
[25] EN
[54] **A PORTABLE, HIGH TEMPERATURE, HEAVY OIL WELL TEST UNIT WITH AUTOMATIC MULTI SAMPLING SYSTEM**
[54] **UNITE DE TEST DE PUITS DE PETROLE LOURD, A HAUTE TEMPERATURE ET PORTATIVE AVEC SYSTEME D'ECHANTILLONNAGE MULTIPLE AUTOMATIQUE**
[72] BORAD, MAYUR, US
[72] RODRIGUEZ, JUAN PABLO, US
[72] ANDERSON, DANE, US
[71] EN-FAB INC., US
[85] 2024-05-06
[86] 2022-04-14 (PCT/US2022/071721)
[87] (WO2023/081541)
[30] US (17/521,014) 2021-11-08

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[13] A1
[51] **Int.Cl. B01J 13/00 (2006.01) C09K 23/48 (2022.01) C08B 3/10 (2006.01) C11D 1/66 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **JANUS-TYPE SPHERICAL CELLULOSE NANOPARTICLES**
[54] **NANOPARTICULES DE CELLULOSE SPHERIQUES DE TYPE JANUS**
[72] CHEN, JACK LI-YANG, NZ
[72] TIBAN ANRANGO, BRYAN ANDRES, NZ
[71] AUT VENTURES LIMITED, NZ
[85] 2024-05-06
[86] 2022-11-07 (PCT/IB2022/060708)
[87] (WO2023/084383)
[30] AU (2021903573) 2021-11-09

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[13] A1
[51] **Int.Cl. B23K 11/14 (2006.01) B23K 11/30 (2006.01) B23P 19/06 (2006.01) B65G 47/88 (2006.01)**
[25] EN
[54] **PROJECTION NUT FEEDING DEVICE**
[54] **DISPOSITIF D?AMENEE D?ECROUS DE PROJECTION**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[71] AOYAMA, SHOJI, JP
[85] 2024-05-06
[86] 2022-07-12 (PCT/JP2022/027391)
[87] (WO2023/105837)
[30] JP (2021-209952) 2021-12-07

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[13] A1
[51] **Int.Cl. G01V 1/40 (2006.01) G06F 30/27 (2020.01) E21B 49/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF MODELING GEOLOGICAL FACIES FOR WELL DEVELOPMENT**
[54] **SYSTEMES ET PROCEDES DE MODELISATION DE FACIES GEOLOGIQUES POUR LE DEVELOPPEMENT DE PUITS**
[72] WAGNER, ALEXANDER J., US
[72] OLSEN, CHRISTOPHER S., US
[72] NAZARI, TAHMINEH, US
[72] POTTER, MEGAN, US
[72] SIMOES CORREA, THIAGO B., US
[72] SHEEHAN, DANIEL P., US
[72] SMITH, BRACKIN A., US
[72] MOORE, DOUGLAS S., US
[72] JOHN, RANDY E., US
[72] WALLACE, ZACHARY A., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/049212)
[87] (WO2023/081495)
[30] US (63/276,884) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 31/49 (2006.01) A61K 31/502 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **COMBINATION OF 5-AMINO-2,3-DIHYDRO-1,4-PHTALAZINEDIONE AND A 6'-METHOXYCINCHONAN-9-OL FOR USE IN THE TREATMENT OF CORONAVIRAL INFECTIONS**
[54] **COMBINAISON DE 5-AMINO-2,3-DIHYDRO-1,4-PHTALAZINEDIONE ET D'UN 6'-METHOXYCINCHONANE-9-OL POUR UNE UTILISATION DANS LE TRAITEMENT D'INFECTIONS CORONAVIRALES**
[72] BRYSCH, WOLFGANG, DE
[72] SCHUMANN, SARA, DE
[72] LUDESCHER, BEATE, DE
[72] VON WEGERER, JORG, DE
[72] SETZ, CHRISTIAN, DE
[72] SCHUBERT, ULRICH, DE
[71] METRIOPHARM AG, CH
[85] 2024-05-06
[86] 2022-12-08 (PCT/EP2022/000110)
[87] (WO2023/104327)
[30] EP (21000346.3) 2021-12-08

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[13] A1
[51] **Int.Cl. B29C 45/17 (2006.01) B29C 45/73 (2006.01)**
[25] EN
[54] **INJECTION MOLD COMPONENT**
[54] **COMPOSANT DE MOULE D'INJECTION**
[72] FISCH, RALF WALTER, DE
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2024-05-06
[86] 2023-01-25 (PCT/CA2023/050089)
[87] (WO2023/154994)
[30] US (63/268,071) 2022-02-16

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[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **EARLY REFLECTION CONCEPT FOR AURALIZATION**
[54] **CONCEPT DE REFLEXION PRECOCE POUR SIMULATION ELECTROACOUSTIQUE D'AMBIANCE SONORE**
[72] SILZLE, ANDREAS, DE
[72] HERRE, JURGEN, DE
[72] ROSENBERGER, DENNIS, DE
[72] PAULUS, JOUNI, DE
[72] BORSS, CHRISTIAN, DE
[72] ADAMI, ALEXANDER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-06
[86] 2022-11-08 (PCT/EP2022/081089)
[87] (WO2023/083790)
[30] EP (21207272.2) 2021-11-09

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) A23K 50/40 (2016.01) A61P 13/12 (2006.01)**
[25] EN
[54] **IDENTIFYING FELINE RENAL RISK FACTORS AND COMPOSITIONS AND METHODS FOR IMPROVING FELINE HEALTH**
[54] **IDENTIFICATION DE FACTEURS DE RISQUE RENAUX FELINS ET COMPOSITIONS ET PROCEDES POUR AMELIORER LA SANTE FELINE**
[72] BROCKMAN, JEFFREY, US
[72] EPHRAIM, EDEN, US
[71] HILL'S PET NUTRITION, INC., US
[85] 2024-05-06
[86] 2022-09-12 (PCT/US2022/076301)
[87] (WO2023/091807)
[30] US (63/264,264) 2021-11-18

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[13] A1
[51] **Int.Cl. G01V 1/40 (2006.01) G06N 20/00 (2019.01) G06N 3/08 (2023.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMPLETION OPTIMIZATION FOR WATERFLOOD ASSETS**
[54] **SYSTEMES ET PROCEDES D'OPTIMISATION D'ACHEVEMENT POUR DES RESSOURCES D'INJECTION D'EAU**
[72] HU, BO, US
[72] CHEN, QING, US
[72] NEJAD, AMIR, US
[72] LUO, XIN, US
[72] OLSEN, CHRISTOPHER S., US
[72] BURTON, ROBERT C., US
[72] ZHOU, LIANG, US
[72] GOU, XIN JUN, US
[72] ZHANG, LIU CHAO, US
[72] ZHANG, JUNJING, US
[72] SHAHIM, IMAN, US
[72] SCHNEIDER, CURT E., US
[72] SMITH, DAVID D., US
[72] FLOWERS, ANDY, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/049200)
[87] (WO2023/081492)
[30] US (63/276,928) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 31/713 (2006.01) C12N 15/11 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PROTEIN EXPRESSION AND CELL DIFFERENTIATION**
[54] **PROCEDES ET COMPOSITIONS POUR L'EXPRESSION DE PROTEINES ET LA DIFFERENCIATION CELLULAIRE**
[72] FARAM, RUTH HELEN, GB
[72] NIGMATULLIN, RINAT, GB
[71] UNCOMMON BIO LIMITED, GB
[85] 2024-05-06
[86] 2022-11-22 (PCT/GB2022/052953)
[87] (WO2023/094801)
[30] GB (2116867.9) 2021-11-23

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[13] A1
[51] **Int.Cl. G06F 18/2453 (2023.01) H04L 41/0893 (2022.01) H04L 41/16 (2022.01) H04L 43/02 (2022.01) H04L 43/106 (2022.01) H04L 47/2441 (2022.01) G06N 3/08 (2023.01)**
[25] EN
[54] **NETWORK TRAFFIC CLASSIFICATION**
[54] **CLASSIFICATION DE TRAFIC DE RESEAU**
[72] MADANAPALLI, SHARAT CHANDRA, AU
[72] KUMAR, HIMAL, AU
[72] SIVARAMAN, VIJAY, AU
[71] CANOPUS NETWORKS ASSETS PTY LTD, AU
[85] 2024-05-06
[86] 2022-11-18 (PCT/AU2022/051384)
[87] (WO2023/087069)
[30] AU (2021903718) 2021-11-18

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/16 (2006.01)**
[25] EN
[54] **SIRP1A - AND CD40L-BASED CHIMERIC PROTEINS**
[54] **PROTEINES CHIMERIQUES A BASE DE SIRP1A ET CD40L**
[72] PANDITE, ARUNDATHY, US
[72] RANGWALA, FATIMA, US
[72] LAMPKIN, THOMAS, US
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[71] SHATTUCK LABS, INC., US
[85] 2024-05-06
[86] 2022-11-11 (PCT/US2022/079702)
[87] (WO2023/086929)
[30] US (63/278,567) 2021-11-12
[30] US (63/371,083) 2022-08-11

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[13] A1
[51] **Int.Cl. H04N 21/254 (2011.01) H04N 21/835 (2011.01) G06F 21/16 (2013.01) G06V 10/75 (2022.01) G06V 40/16 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIGITAL FINGERPRINTING OF MEDIA CONTENT**
[54] **SYSTEME ET PROCEDE DE REALISATION D'EMPREINTE NUMERIQUE DE CONTENU MULTIMEDIA**
[72] HILLMAN BEAUCHESNE, OLIVIER, CA
[72] CHAPLEAU, BERTRAND, CA
[72] PLEET, JORDAN, CA
[72] MATEOS PEREZ, JOSE MARIA, CA
[71] 9219-1568 QUEBEC INC., CA
[85] 2024-05-06
[86] 2022-11-07 (PCT/IB2022/000669)
[87] (WO2023/079367)
[30] US (63/276,883) 2021-11-08
[30] US (17/576,666) 2022-01-14

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[13] A1
[51] **Int.Cl. A61M 5/42 (2006.01) A61M 5/44 (2006.01)**
[25] EN
[54] **INJECTION DEVICES**
[54] **DISPOSITIFS D'INJECTION**
[72] HOFFMANN, ROLF, CA
[72] HOHLRIEDER, MARTIN, CA
[71] REPLICEL LIFE SCIENCES INC., CA
[85] 2024-05-06
[86] 2022-11-11 (PCT/US2022/049736)
[87] (WO2023/086594)
[30] US (63/278,209) 2021-11-11

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[13] A1
[51] **Int.Cl. B32B 3/06 (2006.01) B32B 27/02 (2006.01) B32B 27/04 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) B32B 37/06 (2006.01) B32B 37/10 (2006.01) B63H 9/06 (2020.01)**
[25] EN
[54] **POLYPROPYLENE COMPOSITE MATERIAL FOR SAILCLOTH AND PROCESS FOR MANUFACTURING**
[54] **MATERIAU COMPOSITE DE POLYPROPYLENE POUR TOILE A VOILE ET PROCEDE DE FABRICATION**
[72] BERRANG, PETER, CA
[72] MYERSCOUGH, RICHARD, CA
[71] ALUULA COMPOSITES INC., CA
[85] 2024-05-06
[86] 2022-11-16 (PCT/CA2022/051695)
[87] (WO2023/087106)
[30] US (63/279,812) 2021-11-16

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[13] A1
[51] **Int.Cl. F24F 1/0025 (2019.01) F24F 1/0014 (2019.01) F24F 1/0063 (2019.01)**
[25] EN
[54] **AIR CHANNEL ASSEMBLY AND AIR CONDITIONING DEVICE HAVING SAME**
[54] **ENSEMBLE CANAL D'AIR ET DISPOSITIF DE CLIMATISATION PRESENTANT CE DERNIER**
[72] TU, YUNCHONG, CN
[72] WU, DUODE, CN
[72] WU, YANDONG, CN
[72] SU, QIQIN, CN
[72] HU, XIAOWEN, CN
[72] ZHAN, DONGWEN, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[85] 2024-05-06
[86] 2023-01-04 (PCT/CN2023/070527)
[87] (WO2023/142932)
[30] CN (202210114732.8) 2022-01-30

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[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/53 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION DEVICE WITH A MOISTURE SENSOR**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL DOTE D'UN CAPTEUR D'HUMIDITE**
[72] MIHAI BALAN, CATALIN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-11-07 (PCT/GB2022/052808)
[87] (WO2023/084196)
[30] GB (2116150.0) 2021-11-10

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[13] A1
[51] **Int.Cl. A24F 40/60 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE D'AEROSOL**
[72] SUTTON, JOSEPH PETER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-10-24 (PCT/GB2022/052705)
[87] (WO2023/084189)
[30] GB (2116163.3) 2021-11-10

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[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) G16H 20/10 (2018.01) A24F 40/53 (2020.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICE WITH MONITORING OF USAGE DATA**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL AVEC SURVEILLANCE DE DONNEES D'UTILISATION**
[72] BALAN, CATALIN MIHAI, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-10-26 (PCT/GB2022/052723)
[87] (WO2023/084191)
[30] GB (2116154.2) 2021-11-10

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[13] A1
[51] **Int.Cl. A24F 40/65 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE D'AEROSOL**
[72] CAMPBELL, JEREMY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-10-24 (PCT/GB2022/052706)
[87] (WO2023/084190)
[30] GB (2116145.0) 2021-11-10

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[13] A1
[51] **Int.Cl. A24F 40/60 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION D'AEROSOL**
[72] SUTTON, JOSEPH PETER, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-10-24 (PCT/GB2022/052704)
[87] (WO2023/084188)
[30] GB (2116166.6) 2021-11-10

[21] **3,237,459**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM WITH VARIABLE AEROSOL STREAM CONCENTRATION**
[54] **SYSTEME POUR FOURNIR UN AEROSOL AYANT UNE CONCENTRATION DE FLUX D'AEROSOL VARIABLE**
[72] CAMPBELL, JEREMY, GB
[72] ENGLAND, WILL, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-11-07 (PCT/GB2022/052804)
[87] (WO2023/084195)
[30] GB (2116149.2) 2021-11-10

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/60 (2020.01)**
[25] EN
[54] **AEROSOL PROVISION SYSTEM WITH VOLUME VARYING AEROSOL GENERATING REGION**
[54] **SYSTEME DE FOURNITURE D'AEROSOL COMPRENANT UNE REGION DE GENERATION D'AEROSOL A VARIATION DE VOLUME**
[72] POYNTON, SIMON, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-06
[86] 2022-11-04 (PCT/GB2022/052786)
[87] (WO2023/084193)
[30] GB (2116148.4) 2021-11-10

[21] **3,237,461**
[13] A1
[51] **Int.Cl. A24C 5/01 (2020.01)**
[25] EN
[54] **MACHINERY FOR FORMING SMOKING ARTICLES OF CANNABIS COMPOSITIONS**
[54] **MACHINERIE POUR LA FORMATION D'ARTICLES A FUMER DE COMPOSITIONS DE CANNABIS**
[72] HIERONS, KERRY, CA
[72] MARTIN, MICHAEL, CA
[72] SIMMONS, SIMON, CA
[71] HEXO OPERATIONS INC., CA
[85] 2024-05-07
[86] 2022-11-09 (PCT/CA2022/051655)
[87] (WO2023/082001)
[30] US (63/278,930) 2021-11-12

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR TREATMENT AND PREVENTION OF COVID-19**
[54] **COMPOSITION POUR LE TRAITEMENT ET LA PREVENTION DE LA COVID-19**
[72] SCHMELZER, ALBERT, US
[72] PATEL, SAJAL, US
[72] MEDINA, ANNETTE, US
[72] GALLEGOS, AUSTIN, US
[71] ASTRAZENECA UK LIMITED, GB
[85] 2024-05-03
[86] 2022-11-04 (PCT/EP2022/080837)
[87] (WO2023/079086)
[30] US (63/276,410) 2021-11-05

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/24 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDES**
[54] **NOUVEAUX PEPTIDES**
[72] ELLMARK, PETER, SE
[72] HAGERBRAND, KARIN, SE
[72] VARAS, LAURA, SE
[72] LEVIN, MATTIAS, SE
[72] SALL, ANNA, SE
[72] VON SCHANTZ, LAURA, SE
[71] ALLIGATOR BIOSCIENCE AB, SE
[85] 2024-05-03
[86] 2022-11-04 (PCT/EP2022/080861)
[87] (WO2023/079102)
[30] GB (2115925.6) 2021-11-05
[30] GB (2204539.7) 2022-03-30
[30] GB (2212801.1) 2022-09-02

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[13] A1
[51] **Int.Cl. F16L 11/04 (2006.01) E02D 29/12 (2006.01) E03F 3/06 (2006.01) F16L 55/165 (2006.01)**
[25] EN
[54] **LINING TUBE FOR RESTORING DEFECTIVE SEWER SHAFTS INCLUDING A BERM AND A CHANNEL AND METHOD FOR PRODUCING SAME AND METHOD FOR LINING A DEFECTIVE SEWER SHAFT**
[54] **TUBE DE REVETEMENT POUR RESTAURER DES BOUCHES D'EGOUT DEFECTUEUSES COMPRENANT UNE BERME ET UN CANAL, SON PROCEDE DE FABRICATION ET PROCEDE DE REVETEMENT D'UNE BOUCHE D'EGOUT DEFECTUEUSE**
[72] BUSS, JOHANNES, DE
[71] BRANDENBURGER LINER GMBH & CO. KG, DE
[85] 2024-05-01
[86] 2022-11-22 (PCT/EP2022/082847)
[87] (WO2023/110332)
[30] DE (10 2021 006 141.1) 2021-12-13

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[13] A1
[51] **Int.Cl. A61B 17/11 (2006.01) A61B 5/02 (2006.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SHUNT WITH OFFSET ANCHOR ARMS**
[54] **SHUNT A BRAS D'ANCRAGE DECALES**
[72] MAHMOUDI, RANI ABDULLAH, US
[72] RABBAH, JEAN-PIERRE MICHEL, US
[72] BOURCHE, GABRIEL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-03
[86] 2022-11-01 (PCT/US2022/048537)
[87] (WO2023/081127)
[30] US (63/263,755) 2021-11-08

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[13] A1
[51] **Int.Cl. B60P 7/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RESTRAINING CARTS AND OTHER CARGO USING FORWARD AND REARWARD BRACKETS**
[54] **SYSTEMES ET PROCEDES DE RETENUE DE CHARIOTS ET D'AUTRES MARCHANDISES AU MOYEN DE SUPPORTS AVANT ET ARRIERE**
[72] KNOX, HOWARD THOMAS, US
[72] KAUFFMAN, GREGORY ALAN, US
[72] SMITH, AARON MICHAEL, US
[72] SONG, JAMES JUHYEON, US
[72] STIMLER, MICHAEL ROBERT, US
[71] ANCRA INTERNATIONAL LLC, US
[71] WABASH NATIONAL, L.P., US
[85] 2024-05-03
[86] 2022-11-01 (PCT/US2022/048567)
[87] (WO2023/081147)
[30] US (63/275,599) 2021-11-04

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[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4196 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LACTAMS AS CBL-B INHIBITORS SELECTIVE OVER C-CBL**
[54] **LACTAMES UTILISES EN TANT QU'INHIBITEURS DE CBL-B SELECTIFS DE C-CBL**
[72] HUESTIS, MALCOLM, US
[72] LAMBRECHT, MICHAEL JOHN, US
[72] LIANG, JUN, US
[72] UNG, MAN UN, US
[72] WANG, XIAOJING, US
[72] ZBIEG, JASON ROBERT, US
[72] ZHU, BING-YAN, US
[72] BARTON, LISA MARIE, US
[72] BROCCATELLI, FABIO, US
[72] CASTANEDO, GEORGETTE MARIE, US
[72] JAKALIAN, ARAZ, CA
[72] LAROUCHE-GAUTHIER, ROBIN, CA
[72] YADAV, ARUN, CA
[71] GENENTECH, INC., US
[85] 2024-05-02
[86] 2022-11-04 (PCT/US2022/079343)
[87] (WO2023/081853)
[30] US (63/276,547) 2021-11-05

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[13] A1
[51] **Int.Cl. B25H 1/00 (2006.01) B23K 9/20 (2006.01) B23K 11/00 (2006.01) F27D 1/14 (2006.01) F27D 1/16 (2006.01)**
[25] EN
[54] **LIGHT-PROJECTING OF INSTALLATION-LOCATION PATTERNS ONTO INSTALLATION SURFACES**
[54] **PROJECTION LUMINEUSE DE MOTIFS D'INSTALLATION-LOCALISATION SUR DES SURFACES D'INSTALLATION**
[72] D'ORACIO DE ALMEIDA, EDUARDO FERNANDO, US
[72] EGGER, JAMES, US
[72] THAKUR, AMRITH SINGH, US
[72] ZIER, LANCE EDWARD, US
[72] EDWARDS SORDO, DIEGO ARTURO, US
[71] BRAND SHARED SERVICES LLC, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/048827)
[87] (WO2023/081284)
[30] US (63/275,380) 2021-11-03
[30] US (63/318,500) 2022-03-10

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) A23L 13/00 (2016.01) A23L 17/00 (2016.01) A23J 1/10 (2006.01) C12M 1/06 (2006.01) C12M 3/04 (2006.01) C12N 9/50 (2006.01) C12P 21/06 (2006.01)**
[25] EN
[54] **DEMINERALISATION OF ORGANIC TISSUE**
[54] **DEMINERALISATION DE TISSU ORGANIQUE**
[72] HAUGEN, ARNSTEIN, NO
[72] FRANTZEN, TORSTEIN, NO
[72] ELJE, EIRIK, NO
[72] DUSTAN, ANDREW CHARLES, NO
[72] LIASET, BJORN, NO
[72] SANDNES, KJARTAN, NO
[71] MARINE BIOENERGY AS, NO
[85] 2024-05-03
[86] 2022-11-04 (PCT/EP2022/080863)
[87] (WO2023/079104)
[30] GB (2115923.1) 2021-11-05

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[13] A1
[51] **Int.Cl. F01N 3/10 (2006.01) B01D 53/14 (2006.01) B01D 53/86 (2006.01) B01J 23/00 (2006.01) C01B 17/04 (2006.01) C07C 1/02 (2006.01) F02M 21/02 (2006.01)**
[25] EN
[54] **CONVERSION OF HYDROGEN SULFIDE AND CARBON DIOXIDE INTO HYDROCARBONS USING NON-THERMAL PLASMA AND A CATALYST**
[54] **CONVERSION DE SULFURE D'HYDROGENE ET DE DIOXYDE DE CARBONE EN HYDROCARBURES A L'AIDE D'UN PLASMA NON THERMIQUE ET D'UN CATALYSEUR**
[72] AL-QAHTANI, MOHAMMAD S., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2024-05-03
[86] 2022-11-16 (PCT/US2022/050089)
[87] (WO2023/091477)
[30] US (17/456,065) 2021-11-22

[21] **3,237,472**
[13] A1
[51] **Int.Cl. G16H 40/60 (2018.01) G16H 20/17 (2018.01) G16H 40/40 (2018.01)**
[25] EN
[54] **CONTROL DEVICE FOR A BLOOD TREATMENT APPARATUS, BLOOD TREATMENT APPARATUS, SYSTEM AND METHOD**
[54] **DISPOSITIF DE COMMANDE POUR UN DISPOSITIF DE TRAITEMENT DU SANG, DISPOSITIF DE TRAITEMENT DU SANG, SYSTEME ET PROCEDE**
[72] KOPPERSCHMIDT, PASCAL, DE
[72] MARTERSTOCK, STEFAN KONRAD, DE
[72] URBAN, MARTIN, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2024-05-03
[86] 2022-11-08 (PCT/EP2022/081162)
[87] (WO2023/083824)
[30] DE (10 2021 129 072.4) 2021-11-09

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[13] A1
[51] **Int.Cl. B01F 33/05 (2022.01)**
[25] EN
[54] **MASSLESS MIXING SYSTEM AND METHOD OF USE**
[54] **SYSTEME MELANGEUR SANS MASSE ET PROCEDE D'UTILISATION**
[72] MECKSTROTH, JAMES, US
[71] NOB HILL THERAPEUTICS, INC., US
[85] 2024-05-03
[86] 2022-11-08 (PCT/US2022/049294)
[87] (WO2023/081519)
[30] US (63/277,162) 2021-11-08

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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)**
[25] EN
[54] **POSITIVE ELECTRODE ACTIVE MATERIAL, PREPARATION METHOD THEREOF, AND LITHIUM SECONDARY BATTERY INCLUDING THE POSITIVE ELECTRODE ACTIVE MATERIAL**
[54] **MATERIAU ACTIF DE CATHODE, SON PROCEDE DE PREPARATION, ET BATTERIE SECONDAIRE LITHIUM-ION LE COMPRENANT**
[72] JEONG, JIN HOO, KR
[72] JEONG, MYUNG GI, KR
[72] JU, JIN WOOK, KR
[72] LEE, EUNG JU, KR
[72] HWANG, JOO KYOUNG, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-01
[86] 2023-04-03 (PCT/KR2023/004474)
[87] (WO2023/191604)
[30] KR (10-2022-0041203) 2022-04-01

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[13] A1
[51] **Int.Cl. B66F 9/06 (2006.01) B66C 11/12 (2006.01) B66D 1/20 (2006.01) B66D 1/74 (2006.01) B66D 3/08 (2006.01) B66D 5/16 (2006.01)**
[25] EN
[54] **LIFTING ASSEMBLY**
[54] **ENSEMBLE DE LEVAGE**
[72] JOHANNISSON, WILHELM KARL, GB
[72] CLARK, DANIEL, GB
[71] OCADO INNOVATION LIMITED, US
[85] 2024-05-03
[86] 2022-11-09 (PCT/EP2022/081364)
[87] (WO2023/083913)
[30] GB (2116246.6) 2021-11-11
[30] GB (2118976.6) 2021-12-23
[30] GB (2200957.5) 2022-01-25

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVES FOR IMPLANTATION**
[54] **VALVES PROTHETIQUES POUR IMPLANTATION**
[72] COOPER, ALEXANDER H., US
[72] SCHWARTZ, JULIET LAURA, US
[72] GLAS, HANNAH MARIE, US
[72] BECERRA, MATTHEW MICHAEL, US
[72] LANDON, DAVID ROBERT, US
[72] VAD, SIDDHARTH, US
[72] SCHEINBLUM, TAYLOR JACOB, US
[72] PETERSON, MATTHEW A., US
[72] GAN, WEI, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-03
[86] 2022-11-16 (PCT/US2022/050161)
[87] (WO2023/096804)
[30] US (63/282,662) 2021-11-23

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[13] A1
[51] **Int.Cl. B01L 7/00 (2006.01) B01L 9/06 (2006.01)**
[25] EN
[54] **POCKET-SIZE DEVICE FOR ISOTHERMAL NUCLEIC ACID AMPLIFICATION**
[54] **DISPOSITIF DE LA TAILLE D'UNE POCHE POUR AMPLIFICATION ISOTHERME DES ACIDES NUCLEIQUES**
[72] PAPADAKIS, GEORGIOS, GR
[72] PANTAZIS, ALEXANDROS, GR
[72] FIKAS, NIKOLAOS, GR
[72] FOUNTA, DIMITRA, GR
[71] BIOPIX DNA TECHNOLOGY S.A., GR
[85] 2024-05-03
[86] 2022-11-11 (PCT/EP2022/081682)
[87] (WO2023/084061)
[30] EP (21386071.1) 2021-11-12

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPLANT DEPLOYMENT**
[54] **SYSTEMES ET PROCEDES DE DEPLOIEMENT D'IMPLANT**
[72] SCHEINBLUM, TAYLOR JACOB, US
[72] LUONG, HIEU MINH, US
[72] LANDON, DAVID ROBERT, US
[72] VAD, SIDDHARTH, US
[72] AGUILAR JR., RAMON, US
[72] TAYLOR, DAVID M., US
[72] EDWARDS, JESSE ROBERT, US
[72] DEHDASHTIAN, BRANDON SINA, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-03
[86] 2022-11-21 (PCT/US2022/050636)
[87] (WO2023/091769)
[30] US (63/281,812) 2021-11-22

[21] **3,237,480**
[13] A1
[51] **Int.Cl. C10M 141/10 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITIONS FOR ELECTRIC VEHICLES**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE POUR VEHICULES ELECTRIQUES**
[72] SAWAIRI, RYOTA, JP
[72] SHIMIZU, SEIYA, JP
[72] FUCHI, MASAMI, JP
[72] NAKAGAWA, TAKAHIRO, JP
[72] OHTA, SATOSHI, JP
[72] KUBO, KOICHI, JP
[72] MINAMI, ATARU, JP
[71] CHEVRON JAPAN LTD., JP
[85] 2024-05-03
[86] 2022-10-31 (PCT/IB2022/060449)
[87] (WO2023/089427)
[30] US (63/280,007) 2021-11-16

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[13] A1
[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **LIGHT-BASED VISUAL CUEING OF MEDICATION DELIVERY INSTRUCTIONS USING LIGHT AND MOTION SENSORS**
[54] **REPERAGE VISUEL PAR LUMIERE D'INSTRUCTIONS D'ADMINISTRATION DE MEDICAMENT A L'AIDE DE CAPTEURS DE LUMIERE ET DE MOUVEMENT**
[72] TANSKY, JASON, US
[71] JANSSEN RESEARCH & DEVELOPMENT, LLC, US
[85] 2024-05-03
[86] 2022-10-17 (PCT/IB2022/059948)
[87] (WO2023/079391)
[30] US (63/275,825) 2021-11-04

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C12N 9/12 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **PRECISE GENOME EDITING USING RETRONS**
[54] **EDITION PRECISE DU GENOME A L'AIDE DE RETRONS**
[72] LOPEZ, SANTIAGO C., US
[72] SHIPMAN, SETH, US
[71] THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/079220)
[87] (WO2023/081756)
[30] US (63/275,287) 2021-11-03

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[13] A1
[51] **Int.Cl. F41G 1/16 (2006.01) F16C 19/06 (2006.01) F16C 27/06 (2006.01) F41G 1/38 (2006.01) G02B 23/16 (2006.01) G03B 13/20 (2021.01)**
[25] EN
[54] **VIEWING OPTIC WITH MAGNIFICATION ADJUSTMENT RING**
[54] **OPTIQUE DE VISUALISATION AVEC BAGUE DE REGLAGE DE GROSSISSEMENT**
[72] MCDERMOT, CONNOR, US
[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079307)
[87] (WO2023/081828)
[30] US (63/275,658) 2021-11-05

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[13] A1
[51] **Int.Cl. F24F 1/0035 (2019.01) F24F 1/0022 (2019.01) F24F 1/0033 (2019.01) F24F 1/0047 (2019.01) F24F 1/0057 (2019.01) F24F 1/0063 (2019.01) F24F 7/013 (2006.01)**
[25] EN
[54] **CIRCULATING AIR MODULE AND CIRCULATING AIR MODULE SYSTEM**
[54] **AIR DE CIRCULATION ET SYSTEME DE MODULE D'AIR DE CIRCULATION**
[72] SCHECHNER, ALEXANDER, DE
[72] IHLE, GERHARD, DE
[72] KLAIBER, FELIX, DE
[72] FRANZOI, NICOLA, DE
[71] ENVOLA GMBH, DE
[85] 2024-05-03
[86] 2022-11-18 (PCT/EP2022/082492)
[87] (WO2023/089137)
[30] DE (10 2021 130 300.1) 2021-11-19
[30] DE (10 2022 109 804.4) 2022-04-22

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[13] A1
[51] **Int.Cl. F16C 11/06 (2006.01) F16D 41/064 (2006.01) E21B 3/035 (2006.01) E21B 4/00 (2006.01) E21B 17/02 (2006.01)**
[25] EN
[54] **FLEXIBLE COUPLING**
[54] **ACCOUPLEMENT SOUPLE**
[72] DAVID, MICHAEL L., US
[71] REVOLINK, LLC, US
[71] DAVID, MICHAEL L., US
[85] 2024-05-03
[86] 2022-11-05 (PCT/US2022/079356)
[87] (WO2023/081865)
[30] US (63/276,021) 2021-11-05

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[13] A1
[51] **Int.Cl. B25J 9/16 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **ROBOTIC SYSTEM AND METHOD FOR PICKING AND/OR SORTING OBJECTS**
[54] **SYSTEME ROBOTIQUE ET PROCEDE DE SAISIE ET/OU DE TRI D'OBJETS**
[72] MA, XIAOYAN, GB
[72] WESTERN, NATHAN, GB
[71] DANU ROBOTICS LTD, GB
[85] 2024-05-07
[86] 2022-11-09 (PCT/GB2022/052834)
[87] (WO2023/084207)
[30] GB (2116109.6) 2021-11-09
[30] GB (2211779.0) 2022-08-11

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[13] A1
[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61K 31/40 (2006.01)**
[25] EN
[54] **ALPHA-2A ADRENERGIC RECEPTOR MODULATORS AND USES THEREOF**
[54] **MODULATEURS DU RECEPTEUR ADRENERGIQUE ALPHA-2A ET LEURS UTILISATIONS**
[72] GMEINER, PETER, DE
[72] HUBNER, HARALD, DE
[72] SEEMANN, PHILIPP, DE
[72] PFEIFFER, TARA, DE
[72] DU, YANG, CN
[72] XU, JUN JUN, CN
[72] SHOICHET, BRIAN, K., US
[72] FINK, ELISSA, A., US
[72] BASBAUM, ALLAN, J., US
[72] BRAZ, JOAO, M., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG, DE
[71] CHINESE UNIVERSITY OF HONG KONG, SHENZHEN, CN
[71] GMEINER, PETER, DE
[71] HUBNER, HARALD, DE
[71] SEEMANN, PHILIPP, DE
[71] PFEIFFER, TARA, DE
[71] DU, YANG, CN
[71] XU, JUN JUN, CN
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079276)
[87] (WO2023/081800)
[30] US (63/276,399) 2021-11-05
[30] US (63/410,577) 2022-09-27
[30] US (63/410,578) 2022-09-27
[30] US (63/410,580) 2022-09-27

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[13] A1
[51] **Int.Cl. C08L 27/04 (2006.01) C08K 3/013 (2018.01) C08K 3/26 (2006.01) C08L 11/00 (2006.01) C08L 101/08 (2006.01)**
[25] EN
[54] **HALOGENATED RESIN COMPOSITION**
[54] **COMPOSITION DE RESINE HALOGENEE**
[72] TAKIGUCHI, OSAMU, JP
[72] WADA, SATOSHI, JP
[71] KAO CORPORATION, JP
[85] 2024-05-03
[86] 2022-10-17 (PCT/JP2022/038608)
[87] (WO2023/085003)
[30] JP (2021-183479) 2021-11-10

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[13] A1
[51] **Int.Cl. B01J 31/18 (2006.01) B01J 31/14 (2006.01)**
[25] EN
[54] **CHROMIUM PHOSPHINYL ISOINDOLE AMIDINE COMPLEXES FOR TETRAMERIZATION OF ETHYLENE**
[54] **COMPLEXES DE CHROME PHOSPHINYL ISOINDOLE AMIDINE POUR LA TETRAMERISATION DE L'ETHYLENE**
[72] BISCHOF, STEVEN, US
[72] SYDORA, ORSON L., US
[72] ESS, DANIEL H., US
[72] KILGORE, URIAH J., US
[72] KWON, DOO-HYUN, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-03
[86] 2022-11-08 (PCT/US2022/079497)
[87] (WO2023/081930)
[30] US (17/521,494) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 8/63 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PREVENTING OR TREATING SKIN AGING**
[54] **COMPOSITIONS POUR PREVENIR OU TRAITER LE VIEILLISSEMENT DE LA PEAU**
[72] GERARD, CELINE, BE
[72] DION, VALERIE, BE
[71] ESTETRA SRL, BE
[85] 2024-05-03
[86] 2022-11-29 (PCT/EP2022/083611)
[87] (WO2023/094689)
[30] EP (21211056.3) 2021-11-29

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[13] A1
[51] **Int.Cl. F16D 43/02 (2006.01) F16D 41/24 (2006.01) F16D 41/30 (2006.01) F16D 43/20 (2006.01)**
[25] EN
[54] **AUTOMATIC FREE-COASTING FREEWHEEL APPARATUS**
[54] **APPAREIL DE ROUE LIBRE A DEPLACEMENT LIBRE AUTOMATIQUE**
[72] ELIAS, AMIR, IL
[71] DRIVEN INNOVATIONS LTD., IL
[85] 2024-05-04
[86] 2021-11-10 (PCT/IL2021/051333)
[87] (WO2022/101903)

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[13] A1
[51] **Int.Cl. C09J 133/06 (2006.01) C08K 5/37 (2006.01) C09J 11/06 (2006.01) C09J 11/08 (2006.01)**
[25] EN
[54] **2K CURABLE COMPOSITIONS FOR COMPOSITE AND TOOL RELEASE**
[54] **COMPOSITIONS DURCISSABLES 2K POUR LA LIBERATION COMPOSITE/OUTIL**
[72] JIN, SHUHUA, US
[72] CHENG, CHIH-MIN, US
[72] LIU, ZHONGWEI, US
[72] LIU, YALIN, US
[72] VEROSKY, CHRISTOPHER, US
[72] WELCH, KEVIN J., US
[71] HENKEL AG & CO. KGAA, DE
[85] 2024-05-03
[86] 2022-09-09 (PCT/US2022/076171)
[87] (WO2023/091806)
[30] US (63/281,278) 2021-11-19

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[13] A1
[51] **Int.Cl. A61K 35/545 (2015.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **TISSUE REGENERATION WITH IN VITRO ACTIVATED EFFECTOR CELLS**
[54] **REGENERATION TISSULAIRE AVEC DES CELLULES EFFECTRICES ACTIVEES IN VITRO<I />**
[72] BOLANDER, JOHANNA, US
[72] MOVIGLIA, GUSTAVO, US
[72] ATALA, ANTHONY, US
[71] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
[85] 2024-05-03
[86] 2022-11-15 (PCT/US2022/079864)
[87] (WO2023/087015)
[30] US (63/279,316) 2021-11-15

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[13] A1
[51] **Int.Cl. H04N 21/218 (2011.01) H04N 21/222 (2011.01) H04N 21/472 (2011.01) H04N 21/854 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING RAPID CONTENT SWITCHING IN MEDIA ASSETS FEATURING MULTIPLE CONTENT STREAMS THAT ARE DELIVERED OVER COMPUTER NETWORKS**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE COMMUTATION DE CONTENU RAPIDE DANS DES CONTENUS MULTIMEDIAS COMPRENANT DE MULTIPLES FLUX DE CONTENU QUI SONT DELIVRES SUR DES RESEAUX INFORMATIQUES**
[72] FEINSON, ROY, US
[72] SALLOUM, BASEM, US
[71] ORB REALITY LLC, US
[85] 2024-05-03
[86] 2022-11-03 (PCT/US2022/079219)
[87] (WO2023/081755)
[30] US (63/276,971) 2021-11-08

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[13] A1
[51] **Int.Cl. G01N 1/14 (2006.01)**
[25] EN
[54] **WATER ANALYSING DEVICE, THE SYSTEM ASSOCIATED WITH IT, AND ITS USE**
[54] **DISPOSITIF D'ANALYSE D'EAU, SYSTEME ASSOCIE ET SON UTILISATION**
[72] SZOMBATHY, PETER, HU
[72] CZIPO, BERNADETT, HU
[72] RACS, AKOS, HU
[72] DOMJAN, LASZLO, HU
[71] WATER MINILAB KFT., HU
[85] 2024-05-03
[86] 2022-11-04 (PCT/HU2022/050079)
[87] (WO2023/079322)
[30] HU (P2100378) 2021-11-04

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[13] A1
[51] **Int.Cl. A61K 39/09 (2006.01)**
[25] EN
[54] **IMMUNOGENIC FUSION PROTEIN COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE PROTEINES DE FUSION IMMUNOGENES ET LEURS PROCEDES D'UTILISATION**
[72] MORAN, ENDA, US
[72] CARTEE, ROBERT THOMPSON, US
[72] KILLEEN, KEVIN P., US
[71] MATRIVAX, INC., US
[85] 2024-05-03
[86] 2022-11-18 (PCT/US2022/080168)
[87] (WO2023/092090)
[30] US (63/280,908) 2021-11-18

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/84 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **IMPROVED GAMMA-SECRETASE INHIBITOR SCREENING ASSAYS**
[54] **ESSAIS DE CRIBLAGE D'INHIBITEURS DE GAMMA-SECRETASE AMELIORES**
[72] ANNAERT, WIM, BE
[72] SANNERUD, RAGNA, BE
[72] BRETOU, MARINE, BE
[71] VIB VZW, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
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[30] EP (21208922.1) 2021-11-18

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[51] **Int.Cl. F24F 1/0022 (2019.01) F24F 7/013 (2006.01)**
[25] EN
[54] **CIRCULATING AIR MODULE AND CIRCULATING AIR MODULE SYSTEM**
[54] **MODULE D'AIR DE CIRCULATION ET SYSTEME DE MODULE D'AIR DE CIRCULATION**
[72] SCHECHNER, ALEXANDER, DE
[72] IHLE, GERHARD, DE
[72] KLAIBER, FELIX, DE
[72] FRANZOI, NICOLA, DE
[71] ENVOLA GMBH, DE
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[86] 2022-11-18 (PCT/EP2022/082491)
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[25] EN
[54] **APPARATUS AND METHOD FOR AUTOMATICALLY PACKAGING CONTAINERS**
[54] **APPAREIL ET PROCEDE D'EMBALLAGE AUTOMATIQUE DE RECIPIENTS**
[72] GABUSI, GABRIELE, IT
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
[85] 2024-05-07
[86] 2022-11-15 (PCT/IT2022/050293)
[87] (WO2023/084553)
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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 43/00 (2006.01)**
[25] EN
[54] **A VEHICLE-PORTABLE GRID ASSESSMENT DEVICE**
[54] **DISPOSITIF D'EVALUATION DE GRILLE PORTABLE SUR VEHICULE**
[72] GILJE, KJETIL, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-05-07
[86] 2022-11-02 (PCT/EP2022/080513)
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[51] **Int.Cl. A61K 31/7028 (2006.01) A61K 31/70 (2006.01) A61K 31/7008 (2006.01) A61K 31/7016 (2006.01) A61K 31/702 (2006.01) A61K 31/7024 (2006.01)**
[25] EN
[54] **NOVEL COMPOSITIONS AND THERAPEUTIC METHODS**
[54] **NOUVELLES COMPOSITIONS ET METHODES THERAPEUTIQUES**
[72] ACHARYA, SUCHISMITA, US
[72] BEHERA, SUMITA, US
[71] AYUVIS RESEARCH, INC., US
[85] 2024-05-07
[86] 2022-11-10 (PCT/US2022/079624)
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[51] **Int.Cl. B65G 45/14 (2006.01) B65G 45/16 (2006.01)**
[25] EN
[54] **CONVEYOR BELT CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE COURROIE TRANSPORTEUSE**
[72] ROBINSON, LAWRENCE HARVEY, AU
[72] PARKER, AARON, AU
[71] AUSTRALIAN CONVEYOR COMPONENTS PTY LTD, AU
[85] 2024-05-03
[86] 2022-11-03 (PCT/AU2022/051319)
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[25] EN
[54] **VEHICLE GATE ARRANGEMENT WITH FIRST AND SECOND SHUTTERS, SYSTEM COMPRISING THE ARRANGEMENT AND METHOD OF OPERATION**
[54] **AGENCEMENT DE PORTILLON DE VEHICULE COMPORTANT DES PREMIER ET SECOND VOLETS, SYSTEME COMPRENANT L'AGENCEMENT ET PROCEDE DE FONCTIONNEMENT**
[72] AUSTRHEIM, TROND, NO
[72] FJELDHEIM, IVAR, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-05-07
[86] 2022-11-07 (PCT/EP2022/080916)
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[25] EN
[54] **PORT MAGAZINE**
[54] **CHARGEUR DE PORT**
[72] GILJE, KJETIL, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-05-07
[86] 2022-12-06 (PCT/EP2022/084632)
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[25] EN
[54] **AUTOMOTIVE SURGE TANK WITH SUBMERGED SWIRL CHAMBER**
[54] **BAC D'EXPANSION POUR AUTOMOBILE AVEC CHAMBRE DE TOURBILLONNEMENT IMMERGEE**
[72] ALLAN, RICHARD, CA
[72] CZECHOWSKI, JERZY, CA
[71] ABC TECHNOLOGIES INC., CA
[85] 2024-05-03
[86] 2022-11-04 (PCT/CA2022/051632)
[87] (WO2023/077233)
[30] US (63/276,039) 2021-11-05
[30] US (63/291,513) 2021-12-20

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/472 (2006.01) A61K 31/495 (2006.01) A61N 5/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING GLIOBLASTOMA**
[54] **METHODES DE TRAITEMENT DU GLIOBLASTOME**
[72] FILVAROFF, ELLEN, US
[72] HANNA, BISHOY, US
[72] LAMBA, MANISHA, US
[72] ARONCHIK, IDA, US
[71] CELGENE QUANTICEL RESEARCH, INC., US
[85] 2024-05-07
[86] 2022-11-09 (PCT/US2022/049367)
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[30] US (63/277,976) 2021-11-10

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[25] EN
[54] **ELECTRICAL INSULATION SOCKET AND METHOD FOR INSTALLATION THEREOF**
[54] **CONNECTEUR ELECTRIQUE ISOLANT ET SON PROCEDE D'INSTALLATION**
[72] PHILLIPS, SCOTT, AU
[72] ERMERS, LACHLAN, AU
[71] SP & LE ENTERPRISES PTY LTD, AU
[85] 2024-05-07
[86] 2022-11-07 (PCT/AU2022/051330)
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[51] **Int.Cl. G01C 7/06 (2006.01) E21C 41/16 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND PROCESS FOR MUON TOMOGRAPHY FOR BLOCK CAVING**
[54] **SYSTEME, PROCEDE ET PROCESSUS DE TOMOGRAPHIE PAR MUONS POUR LE FOUDROYAGE PAR BLOCS**
[72] SCHOUTEN, DOUGLAS WILLIAM, CA
[71] IDEON TECHNOLOGIES INC., CA
[85] 2024-05-03
[86] 2023-09-06 (PCT/CA2023/051177)
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[51] **Int.Cl. G06N 3/0442 (2023.01) G06N 20/00 (2019.01) G06N 3/063 (2023.01) G06N 3/0985 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **OBJECT-BASED DATA SCIENCE PLATFORM**
[54] **PLATE-FORME DE SCIENCE DE DONNEES BASEE SUR UN OBJET**
[72] COUCH, CHRISTOPHER EDWARD, US
[72] HE, YANG, CA
[72] HERNANDEZ, JOSEPH, US
[71] LIVELINE TECHNOLOGIES INC., US
[85] 2024-05-07
[86] 2022-11-18 (PCT/US2022/050470)
[87] (WO2023/091710)
[30] US (63/281,433) 2021-11-19
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[51] **Int.Cl. B65G 1/04 (2006.01) E01B 11/24 (2006.01) E01B 25/28 (2006.01)**
[25] EN
[54] **CROSSING WITH THERMAL EXPANSION JOINT FOR A RAIL-BASED GRID**
[54] **CROISEMENT AVEC JOINT DE DILATATION THERMIQUE POUR GRILLE A BASE DE RAILS**
[72] GILJE, KJETIL, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2024-05-07
[86] 2022-12-09 (PCT/EP2022/085086)
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[51] **Int.Cl. C09D 133/14 (2006.01) C09D 175/14 (2006.01) C09D 183/12 (2006.01)**
[25] EN
[54] **WATERBORNE UV CURABLE COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT DURCISSABLE PAR UV A BASE D'EAU**
[72] XU, XIANGLING, US
[72] RUAN, DAMING, CN
[72] YANG, YURUN, CN
[72] WANG, YIHUA, CN
[72] YANG, WENFU, CN
[72] GAO, SIQI, CN
[72] LIU, MARCHERS, CN
[71] PPG COATINGS (TIANJIN) CO., LTD., CN
[85] 2024-05-07
[86] 2022-11-23 (PCT/CN2022/133669)
[87] (WO2023/093752)
[30] CN (202111404521.X) 2021-11-24

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[51] **Int.Cl. A61M 25/00 (2006.01)**
[25] EN
[54] **DILATOR SHAFT DESIGN ENABLING TIP SHAPABILITY AND VARIABLE SHAFT FLEXIBILITY**
[54] **CONCEPTION DE TIGE DE DILATATEUR PERMETTANT UNE MISE EN FORME DE POINTE ET UNE FLEXIBILITE DE TIGE VARIABLE**
[72] GIANOTTI, MARC, CH
[72] JETTER, MICHAEL, CH
[71] BIOTRONIK AG, CH
[85] 2024-05-07
[86] 2022-11-30 (PCT/EP2022/083835)
[87] (WO2023/099556)
[30] EP (21211223.9) 2021-11-30

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[51] **Int.Cl. A61K 31/417 (2006.01) A61K 9/20 (2006.01) C07D 233/88 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND TREATMENTS WITH NIROGACESTAT**
[54] **COMPOSITIONS ET TRAITEMENTS A BASE DE NIROGACESTAT**
[72] CHENG, SHINTA, US
[72] SHEARER, TODD WEBSTER, US
[72] WILLIAMS, REX, US
[72] PATTERSON, KRISTIN, US
[71] SPRINGWORKS THERAPEUTICS, INC., US
[85] 2024-05-03
[86] 2022-11-04 (PCT/US2022/079309)
[87] (WO2023/081830)

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[13] A1
[51] **Int.Cl. B60M 1/26 (2006.01) B60M 1/28 (2006.01)**
[25] EN
[54] **MONITORING AND MAINTENANCE SYSTEM FOR COMPENSATED OVERHEAD CONTACT LINES**
[54] **SYSTEME DE SURVEILLANCE ET DE MAINTENANCE DE LIGNES AERIENNES DE CONTACT A COMPENSATION**
[72] SUAREZ GONZALEZ, ADRIAN, ES
[72] FERNANDEZ LLAMAS, CAMINO, ES
[72] GUTIERREZ FERNANDEZ, ALEXIS, ES
[72] MATELLAN OLIVERA, VICENTE, ES
[72] CASTEJON LIMAS, MANUEL, ES
[72] GONZALEZ ALVAREZ, CESAREO, ES
[71] FUENTEBLANDOR HOLDING, S.L., ES
[85] 2024-05-03
[86] 2021-11-05 (PCT/ES2021/070797)
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[13] A1
[51] **Int.Cl. B65G 47/22 (2006.01) B65G 47/24 (2006.01) B65G 47/28 (2006.01)**
[25] EN
[54] **CONVEYED ARTICLE POSTURE ADJUSTMENT DEVICE**
[54] **DISPOSITIF DE REGLAGE DE POSTURE D'ARTICLE TRANSPORTE**
[72] TSUJIMOTO, KAZUSHI, JP
[71] DAIFUKU CO., LTD., JP
[85] 2024-05-07
[86] 2022-03-25 (PCT/JP2022/014493)
[87] (WO2023/084808)
[30] JP (2021-184252) 2021-11-11

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[13] A1
[51] **Int.Cl. G06Q 10/0637 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INSPECTING AND MANAGING ROADS**
[54] **SYSTEME ET PROCEDE D'INSPECTION ET DE GESTION DE ROUTES**
[72] BISSONNETTE, DANIEL, CA
[72] CAUX, GUYLAINE, CA
[71] SOLUTIONS DAWAY INC., CA
[85] 2024-05-07
[86] 2022-12-21 (PCT/CA2022/051882)
[87] (WO2023/115217)
[30] US (63/292,139) 2021-12-21

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[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 47/34 (2017.01) A61K 47/36 (2006.01) A61K 9/08 (2006.01) A61K 9/10 (2006.01)**
[25] EN
[54] **SOLID FORMS OF RESIQUIMOD AND FORMULATIONS THEREOF**
[54] **FORMES SOLIDES DE RESIQUIMOD ET FORMULATIONS DE CELLES-CI**
[72] KONOWICZ, PAUL ADAM, US
[72] GOLDBERG, MICHAEL SOLOMON, US
[71] SURGE THERAPEUTICS, INC., US
[85] 2024-05-03
[86] 2022-12-05 (PCT/US2022/051810)
[87] (WO2023/107371)
[30] US (63/286,361) 2021-12-06

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[51] **Int.Cl. C01B 32/05 (2017.01) C01B 32/324 (2017.01)**
[25] EN
[54] **METHOD OF BIOCHAR FORMATION AND MACHINE FOR CONVERSION OF BIOMASS TO BIOCHAR**
[54] **PROCEDE DE FORMATION DE CHARBON DE BIOMASSE ET MACHINE DE CONVERSION DE BIOMASSE EN CHARBON DE BIOMASSE**
[72] GLADKI, JAN, PL
[71] RDA TECHNOLOGIES INC., CA
[85] 2024-05-07
[86] 2022-11-08 (PCT/CA2022/051647)
[87] (WO2023/081997)
[30] US (63/277,524) 2021-11-09

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[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/444 (2006.01) C07D 471/04 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD OF TREATING CANCER ASSOCIATED WITH A RAS MUTATION**
[54] **METHODE DE TRAITEMENT D'UN CANCER LIE A UNE MUTATION RAS**
[72] THATCHER, GREGORY R., US
[72] RANA, AJAY, US
[72] XIONG, RUI, US
[72] PRINCIPE, DANIEL, US
[72] LI, YANGFENG, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
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[86] 2022-11-15 (PCT/US2022/079848)
[87] (WO2023/087012)
[30] US (63/279,236) 2021-11-15

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[51] **Int.Cl. F23D 14/02 (2006.01) F23D 14/58 (2006.01)**
[25] FR
[54] **INSTALLATION COMPRISING A PREMIXING BURNER**
[54] **INSTALLATION COMPRENANT UN BRULEUR A PREMELANGE**
[72] ANTON, AXEL, FR
[72] SAID, FOUAD, FR
[72] LAROCHE, PASCAL, FR
[71] FIVES PILLARD, FR
[85] 2024-05-07
[86] 2022-12-23 (PCT/EP2022/087820)
[87] (WO2023/126372)
[30] FR (FR2114684) 2021-12-30

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[51] **Int.Cl. C09D 7/20 (2018.01) C09D 7/61 (2018.01) C09D 133/02 (2006.01) C09D 133/12 (2006.01)**
[25] EN
[54] **WATERBORNE ALUMINUM FORMULATION AND METHOD OF PREPARING THE SAME**
[54] **FORMULATION AQUEUSE D'ALUMINIUM ET PROCEDE DE PREPARATION DE CELLE-CI**
[72] ZHANG, ZHAOZHE, CN
[72] WEI, WEI, CN
[72] SONG, LIMING, CN
[71] PPG COATINGS (TIANJIN) CO., LTD., CN
[85] 2024-05-07
[86] 2022-11-24 (PCT/CN2022/134039)
[87] (WO2023/093806)
[30] CN (202111415104.5) 2021-11-25

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[51] **Int.Cl. G06V 20/60 (2022.01) G06V 10/26 (2022.01) G06V 10/82 (2022.01) G06N 3/0464 (2023.01) G06N 3/08 (2023.01)**
[25] EN
[54] **MACHINE LEARNING SYSTEM AND METHOD FOR OBJECT-SPECIFIC RECOGNITION**
[54] **SYSTEME D'APPRENTISSAGE AUTOMATIQUE ET PROCEDE DE RECONNAISSANCE SPECIFIQUE A UN OBJET**
[72] PAWLOWICZ, CHRISTOPHER, CA
[72] GREEN, MICHAEL, CA
[72] MACHADO TRINDADE, BRUNO, CA
[72] PULLELA, SNEHA, CA
[72] YU, ZIFAN, US
[72] REN, FENGBO, US
[71] TECHINSIGHTS INC., CA
[85] 2024-05-07
[86] 2022-11-14 (PCT/CA2022/051676)
[87] (WO2023/082018)
[30] US (63/279,311) 2021-11-15
[30] US (63/282,102) 2021-11-22
[30] US (63/308,869) 2022-02-10

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS TO REVERSE TREML1-INDUCED IMMUNE SUPPRESSION**
[54] **METHODES POUR INVERSER LA SUPPRESSION IMMUNITAIRE INDUITE PAR TREML1**
[72] LU, YEN-TA, TW
[72] CHANG, CHIA-MING, TW
[72] CHEN, YI-CHEN, TW
[72] TSAI, I-FANG, TW
[71] ASCENDO BIOTECHNOLOGY, INC., KY
[71] LEE, FRANK WEN-CHI, US
[85] 2024-05-07
[86] 2022-11-15 (PCT/US2022/079865)
[87] (WO2023/087016)
[30] US (63/279,670) 2021-11-15

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) C01B 32/40 (2017.01) C25B 1/23 (2021.01) C01B 3/34 (2006.01) C10G 2/00 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SYNTHESIZING FUEL FROM CARBON DIOXIDE**
[54] **PROCEDES ET SYSTEMES DE SYNTHESE DE CARBURANT A PARTIR DE DIOXYDE DE CARBONE**
[72] HEIDEL, KENTON ROBERT, CA
[72] KEMP, KYLE WAYNE, CA
[72] VAN DE PANNE, JOB, CA
[72] JOHNSON, TIM, CA
[72] JUNG, CAROLINE JIWON, CA
[72] LAI, HAI MING, CA
[72] GILL, PAWANJOT KAUR, CA
[72] RITCHIE, JANE ANNE, CA
[72] TEMKE, MARCUS, CA
[71] CARBON ENGINEERING ULC, CA
[85] 2024-05-07
[86] 2022-11-21 (PCT/EP2022/082632)
[87] (WO2023/089177)
[30] US (63/281,444) 2021-11-19

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[51] **Int.Cl. H01F 6/06 (2006.01) H01F 41/061 (2016.01) H01F 41/082 (2016.01) H01F 41/04 (2006.01)**
[25] EN
[54] **WINDING METHOD FOR HTS COIL**
[54] **PROCEDE D'ENROULEMENT POUR BOBINE HTS**
[72] VAN NUGTEREN, JEROEN, GB
[72] BRISTOW, MATTHEW, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2024-05-07
[86] 2022-11-10 (PCT/EP2022/081459)
[87] (WO2023/083956)
[30] GB (2116158.3) 2021-11-10

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[51] **Int.Cl. A23L 33/185 (2016.01) A23J 3/22 (2006.01)**
[25] EN
[54] **FOOD ANALOGUES PREPARATION METHOD AND PRODUCTS**
[54] **PROCEDE DE PREPARATION DE SUBSTITUTS ALIMENTAIRES ET PRODUITS**
[72] TOMSOV, ALEXEY, IL
[72] MANDELIK, DANIEL, IL
[72] SCHACHTER, SAGEE, IL
[72] ITZHAKOV, STELLA, IL
[72] DIKOVSKY, DANIEL, IL
[71] REDEFINE MEAT LTD., IL
[85] 2024-05-07
[86] 2022-11-14 (PCT/IL2022/051214)
[87] (WO2023/084526)
[30] IL (288107) 2021-11-14

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **DIHYDROPYRROLO[3,4C]-PYRAZOLE DERIVATIVES AND THEIR USE IN DIAGNOSIS**
[54] **DERIVES DU DIHYDROPYRROLO[3,4C]-PYRAZOLE ET LEUR UTILISATION A DES FINS DE DIAGNOSTIC**
[72] MOLETTE, JEROME, FR
[71] AC IMMUNE SA, CH
[85] 2024-05-07
[86] 2022-11-10 (PCT/EP2022/081550)
[87] (WO2023/083998)
[30] EP (21207637.6) 2021-11-10

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[13] A1
[51] **Int.Cl. G06K 19/077 (2006.01)**
[25] EN
[54] **ELECTRONIC SHELF LABEL POSITIONING SYSTEM AND METHOD, ELECTRONIC SHELF LABEL AND GUIDE RAIL**
[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT D'ETIQUETTE ELECTRONIQUE DE RAYON, ET ETIQUETTE ELECTRONIQUE DE RAYON ET RAIL DE GUIDAGE ASSOCIES**
[72] HOU, SHIGUO, CN
[72] ZHAO, JIANGUO, CN
[72] LIANG, MIN, CN
[72] ZHUO, LE, CN
[72] YI, SHENG, CN
[72] ZHAO, YANG, CN
[72] WANG, YANWEI, CN
[72] WANG, LINJIANG, CN
[71] HANSHOW TECHNOLOGY CO., LTD., CN
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[54] **IMPROVED WIRELESS INFRASTRUCTURE SETUP AND ASSET TRACKING AND METHOD THEREOF**
[54] **CONFIGURATION AMELIOREE D'INFRASTRUCTURE SANS FIL ET SUIVI D'ACTIFS, ET PROCEDE ASSOCIE**
[72] VOLKERINK, HENDRIK J., US
[72] KHOCHE, AJAY, US
[72] STORRS, AARON, US
[72] KHATRI, VARUN, US
[71] TRACKONOMY SYSTEMS, INC., US
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[54] **3.ALPHA.-SUBSTITUTED 3.BETA.-HYDROXY 17-OXIMATED ANDROSTANE COMPOUND FOR MODULATION OF THE ALPHA-3 SUBTYPE OF THE GABA-A RECEPTOR**
[54] **COMPOSE D'ANDROSTANE 3 BETA-HYDROXY-17-OXIAPPARIE SUBSTITUE EN POSITION ALPHA-3 POUR LA MODULATION DU SOUS-TYPE ALPHA-3 DU RECEPTEUR GABA-A**
[72] BACKSTROM, TORBJORN, SE
[72] RAGAGNIN, GIANNA, SE
[72] SJOSTEDT, JESSICA, SE
[71] UMECRINE AB, SE
[85] 2024-05-06
[86] 2022-11-10 (PCT/EP2022/081517)
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[54] **RESOURCE SHARING METHOD, TERMINAL AND COMPUTER READABLE MEDIUM**
[54] **PROCEDE DE PARTAGE DE RESSOURCES, TERMINAL ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] CAO, GANG, CN
[71] ZTE CORPORATION, CN
[85] 2024-05-07
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[25] EN
[54] **ANTI-INFLAMMATORY VISCOSUPPLEMENTATION AGENT CONTAINING HYALURONIC ACID**
[54] **AGENT DE VISCOSUPPLEMENTATION ANTI-INFLAMMATOIRE CONTENANT DE L'ACIDE HYALURONIQUE**
[72] WERNER, CARSTEN, DE
[72] FREUDENBERG, UWE, DE
[72] SCHIRMER, LUCAS, DE
[72] BAUERFEIND-JOHNSON, BEATRIX, DE
[72] DIETRICH, JURGEN, DE
[71] BAUERFEIND AG, DE
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[54] **HEATING METHOD OF A METALLIC PRODUCT**
[54] **PROCEDE DE CHAUFFAGE D'UN PRODUIT METALLIQUE**
[72] BANSAL, AKSHAY, FR
[72] BOISSIERE, BENJAMIN, FR
[72] GRIFFAY, GERARD, FR
[71] ARCELORMITTAL, LU
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[54] **ATMOSPHERE FURNACE CONTROL**
[54] **COMMANDE DE FOUR SOUS ATMOSPHERE**
[72] KHELASSI, AHMED, FR
[72] DAL'MAZ SILVA, WALTER, FR
[72] PLUNIAN, MORVAN, FR
[71] ARCELORMITTAL, LU
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[54] **MILKING SYSTEM WITH CENTRAL UTILITY SYSTEM**
[54] **SYSTEME DE TRAITE DOTE D'UN SYSTEME UTILITAIRE CENTRAL**
[72] KRAAIJ, DIRK, NL
[72] MOSTERT, GERARD, NL
[71] LELY PATENT N.V., NL
[85] 2024-05-06
[86] 2022-12-15 (PCT/IB2022/062302)
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[54] **AUTOMATIC AND PARALLEL ANALYSIS OF MICROARRAY IMAGES**
[54] **ANALYSE AUTOMATIQUE ET PARALLELE D'IMAGES DE MICRORESEAU**
[72] BROUWER, ERIC, CA
[72] CHEN, SIMENG, CN
[72] SULLIVAN, PIERRE, CA
[71] SQI DIAGNOSTICS SYSTEMS INC., CA
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[86] 2022-11-07 (PCT/CA2022/051645)
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[25] EN
[54] **WELDING INSPECTION APPARATUS**
[54] **DISPOSITIF D'INSPECTION DE SOUDURE**
[72] SHIM, KYUHUN, KR
[72] LEE, GILYOUNG, KR
[72] LEE, JUNOH, KR
[71] LG ENERGY SOLUTION, LTD., KR
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[51] **Int.Cl. E04B 9/20 (2006.01) E04B 9/22 (2006.01) E04B 9/36 (2006.01) F04B 9/00 (2006.01) F16B 5/00 (2006.01) F16B 5/01 (2006.01) F16B 13/02 (2006.01) F16B 21/09 (2006.01)**
[25] EN
[54] **TILE ELEMENT AND TILE SYSTEM**
[54] **ELEMENT DE TUILE ET SYSTEME DE TUILE**
[72] NILSSON, THOMAS, SE
[71] SAINT-GOBAIN ECOPHON AB, SE
[85] 2024-05-07
[86] 2022-06-15 (PCT/EP2022/066402)
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[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR THE INDIVIDUAL IMMERSION COOLING OF HARDWARE COMPONENTS**
[54] **SYSTEME ET PROCEDES POUR LE REFROIDISSEMENT INDIVIDUEL PAR IMMERSION DE COMPOSANTS MATERIELS**
[72] DE KLEIN, CHRISTIANUS THEODORUS, NL
[71] LIQOMI B.V., NL
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[86] 2022-11-11 (PCT/EP2022/081672)
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[54] **IMPROVED DETECTION OF OBJECTS WITH A SYNTHETIC ANTENNA**
[54] **DETECTION D'OBJETS AMELIOREE PAR UNE ANTENNE SYNTHETIQUE**
[72] LE GALL, YANN, FR
[72] ARNOLD, ANDREAS, FR
[72] SIMON, MATHIEU, FR
[72] BURLET, NICOLAS, FR
[71] THALES, FR
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[54] **TARGET ENRICHMENT AND QUANTIFICATION UTILIZING ISOTHERMALLY LINEAR-AMPLIFIED PROBES**
[54] **ENRICHISSEMENT ET QUANTIFICATION CIBLES A L'AIDE DE SONDES A AMPLIFICATION LINEAIRE ISOTHERMIQUES**
[72] LIN, LAN, US
[72] XING, YI, US
[72] WANG, FENG, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
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[25] EN
[54] **PRESSURE OR FLOW REGULATION METHOD FOR GASEOUS HYDROGEN DISPENSING SYSTEM**
[54] **PROCEDE DE REGULATION DE PRESSION OU DE DEBIT POUR SYSTEME DE DISTRIBUTION D'HYDROGENE GAZEUX**
[72] GUERIF, PIERRE-PHILIPPE, US
[72] KONG, PAUL, US
[72] YIP, WENDY MAY YEE, US
[72] HARRIS, AARON, US
[72] LOPEZ, JORGE, US
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2024-05-07
[86] 2022-11-14 (PCT/US2022/049837)
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[25] EN
[54] **METHOD AND SYSTEM FOR COLLECTING DATA ON A FIELD USED FOR AGRICULTURE**
[54] **PROCEDE ET SYSTEME DE COLLECTE DE DONNEES SUR UN CHAMP UTILISE POUR L'AGRICULTURE**
[72] TEMPEL, MATTHIAS, DE
[72] EXLER, JOSEF, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2024-05-06
[86] 2022-11-04 (PCT/EP2022/080785)
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[30] EP (21206921.5) 2021-11-08

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[51] **Int.Cl. H04N 19/13 (2014.01) H04N 19/14 (2014.01) H04N 19/184 (2014.01) H04N 19/42 (2014.01)**
[25] EN
[54] **CONTEXT ADAPTIVE BINARY ARITHMETIC CODING (CABAC) PROBABILITY ESTIMATION FOR VIDEO CODING**
[54] **ESTIMATION DE PROBABILITE DE CODAGE ARITHMETIQUE BINAIRE ADAPTABLE AU CONTEXTE (CABAC) POUR CODAGE VIDEO**
[72] DONG, JIE, US
[72] SEREGIN, VADIM, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2024-05-06
[86] 2022-12-23 (PCT/US2022/053966)
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[51] **Int.Cl. F16C 32/04 (2006.01) H02M 1/32 (2007.01) H02M 1/36 (2007.01) H02P 29/60 (2016.01) H02P 29/68 (2016.01) H02K 7/09 (2006.01) H02M 1/00 (2007.10) H02M 3/155 (2006.01) H02M 3/335 (2006.01) H02P 25/22 (2006.01) H02M 5/458 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING ELECTRICAL SUPPLY FOR A MAGNETIC BEARING CONTROL SYSTEM**
[54] **PROCEDE DE COMMANDE D'ALIMENTATION ELECTRIQUE POUR UN SYSTEME DE COMMANDE DE PALIER MAGNETIQUE**
[72] DEMEULENAERE, BRAM, BE
[72] VERBANDT, MAARTEN, BE
[72] SCHIEPERS, TOM, BE
[72] WOUTERS, GERT, BE
[71] ATLAS COPCO AIRPOWER, BE
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR ALTERING PLANT DETERMINACY**
[54] **COMPOSITIONS ET PROCEDES POUR MODIFIER LA DETERMINATION D'UNE PLANTE**
[72] BROWER-TOLAND, BRENT, US
[72] KIM, JEONGWOON, US
[72] MERRILL, KEITH, US
[72] RYMARQUIS, LINDA, US
[72] SLEWINSKI, THOMAS L., US
[72] WOOTEN, JR., DAVID R., US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **MATERIAL AND METHOD FOR PERFORMING A SEPARATION BASED ON BORON CLUSTERS**
[54] **MATERIAU ET PROCEDE DE REALISATION D'UNE SEPARATION BASE SUR DES CLUSTERS DE BORE**
[72] SKUDAS, ROMAS, DE
[72] HOLZGREVE, ANNIKA, DE
[72] SCHULTE, MICHAEL, DE
[72] KEPPNER, FABIAN, DE
[72] KNUPLEZ, TANJA, DE
[72] HAILMANN, MICHAEL, DE
[72] FINZE, MAIK, DE
[72] IGNATYEV, NIKOLAI, DE
[71] MERCK PATENT GMBH, DE
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[25] EN
[54] **LOCKING DEVICE WITH A CATCH FOR PREVENTING ROTATION OF A LATCH BOLT**
[54] **DISPOSITIF DE VERROUILLAGE DOTE D'UN CLIQUET POUR EMPECHER LA ROTATION D'UN PENE DEMI-TOUR**
[72] STENDAL, JAN, SE
[72] STENDAL, DAVID, SE
[72] THOREN LINDGREN, BJORN, SE
[71] STENDALS EL AB, SE
[85] 2024-05-07
[86] 2022-11-18 (PCT/SE2022/051081)
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[30] SE (2151410-4) 2021-11-19

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[25] EN
[54] **NOVEL LIPIDS FOR DELIVERY OF NUCLEIC ACID SEGMENTS**
[54] **NOUVEAUX LIPIDES POUR L'ADMINISTRATION DE SEGMENTS D'ACIDE NUCLEIQUE**
[72] HEMMERLING, MARTIN, SE
[72] CZECHTIZKY, WERNGARD, SE
[72] ULKOSKI, DAVID, US
[72] POTE, ADITYA RAVINDRA, US
[72] LINDFORS, LENNART, SE
[71] ASTRAZENECA AB, SE
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[30] US (63/264,263) 2021-11-18
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[51] **Int.Cl. B01J 31/18 (2006.01) B01J 31/14 (2006.01)**
[25] EN
[54] **CHROMIUM PHOSPHINYL HYDROISOINDOLE AMIDINE COMPLEXES FOR TETRAMERIZATION OF ETHYLENE**
[54] **COMPLEXES DE CHROME PHOSPHINYL HYDROISOINDOLE AMIDINE POUR LA TETRAMERISATION DE L'ETHYLENE**
[72] BISCHOF, STEVEN, US
[72] SYDORA, ORSON L., US
[72] ESS, DANIEL H., US
[72] KILGORE, URIAH J., US
[72] KWON, DOO-HYUN, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-06
[86] 2022-11-08 (PCT/US2022/079501)
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[30] US (17/521,508) 2021-11-08

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[51] **Int.Cl. G16H 30/40 (2018.01) G16H 40/20 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMAGE PROCESSING TO DETERMINE CASE OPTIMIZATION**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DES IMAGES POUR DETERMINER UNE OPTIMISATION DE CAS**
[72] SUE, JILLIAN, US
[72] SEYMOUR, SAM, US
[71] PAIGE.AI, INC., US
[85] 2024-05-07
[86] 2022-09-29 (PCT/US2022/077277)
[87] (WO2023/114566)
[30] US (63/290,479) 2021-12-16

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[51] **Int.Cl. H05B 3/00 (2006.01) B21D 26/033 (2011.01)**
[25] EN
[54] **ELECTRICAL HEATING DEVICE, MOLDING DEVICE, AND ELECTRICAL HEATING METHOD**
[54] **DISPOSITIF DE CHAUFFAGE ELECTRIQUE, DISPOSITIF DE MOULAGE ET PROCEDE DE CHAUFFAGE ELECTRIQUE**
[72] IDE, AKIHIRO, JP
[72] NOGIWA, KIMIHIRO, JP
[72] ISHIZUKA, MASAYUKI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2024-05-06
[86] 2023-02-03 (PCT/JP2023/003663)
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[30] JP (2022-022656) 2022-02-17

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[25] EN
[54] **IKAROS ZINC FINGER FAMILY DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION DES DOIGTS DE ZINC DE LA FAMILLE IKAROS ET LEURS UTILISATIONS**
[72] BLOMGREN, PETER A., US
[72] DU, ZHIMIN, US
[72] KIM, MUSONG, US
[72] THOMAS-TRAN, RHIANNON, US
[72] TUDESCO, MICHAEL T., US
[72] VENKATARAMANI, CHANDRASEKAR, US
[71] GILEAD SCIENCES, INC., US
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[30] US (63/292,650) 2021-12-22

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[25] EN
[54] **FORMULATIONS AND METHODS FOR TREATING SYMPTOMS OF MENOPAUSE**
[54] **FORMULATIONS ET METHODES DE TRAITEMENT DES SYMPTOMES DE LA MENOPAUSE**
[72] NAZEMZADEH, HASTI FAY, US
[72] GILL, SUNDEEP SINGH, US
[71] PG13 LAUNCHPAD ALPHA, INC. DBA KINDRA, US
[85] 2024-05-06
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[30] US (63/281,175) 2021-11-19
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[25] EN
[54] **THERAPY SELECTION AND TREATMENT OF NEURODEGENERATIVE DISORDERS**
[54] **SELECTION THERAPEUTIQUE ET TRAITEMENT DE TROUBLES NEURODEGENERATIFS**
[72] MISSLING, CHRISTOPHER U., US
[71] ANAVEX LIFE SCIENCES CORP., US
[85] 2024-05-07
[86] 2022-11-23 (PCT/US2022/050940)
[87] (WO2023/097029)
[30] US (63/282,615) 2021-11-23
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[51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/50 (2006.01) B22D 41/54 (2006.01)**
[25] EN
[54] **SUBMERGED NOZZLE COMPRISING CONTINUOUS CIRCUMFERENTIAL WAVY RIBS**
[54] **BUSE IMMERGEE COMPRENANT DES NERVURES ONDULEES CIRCONFERENTIELLES CONTINUES**
[72] KREIERHOFF, MARTIN, DE
[72] RAVE, MARCEL, DE
[72] RICHAUD, JOHAN, FR
[71] VESUVIUS GROUP S.A., BE
[85] 2024-05-07
[86] 2022-11-24 (PCT/EP2022/083144)
[87] (WO2023/094528)
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[51] **Int.Cl. E04B 9/36 (2006.01) E04B 9/16 (2006.01)**
[25] EN
[54] **T-GRID TO BAFFLE BAR BRACKET**
[54] **GRILLE EN T POUR SUPPORT DE BARRE DEFLECTRICE**
[72] UNDERKOFLER, ABRAHAM M., US
[72] GULBRANDSEN, PEDER J., US
[72] KREMER, ERIC H., US
[72] ALNAKKAR, FARIS, CA
[71] USG INTERIORS, LLC, US
[85] 2024-05-07
[86] 2022-11-11 (PCT/US2022/079720)
[87] (WO2023/091881)
[30] US (17/455,263) 2021-11-17

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[51] **Int.Cl. A23C 9/123 (2006.01) A23L 33/135 (2016.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PRODUCING FERMENTED DAIRY PRODUCTS FOR STORAGE AT AMBIENT TEMPERATURE**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION DE PRODUITS LAITIERS FERMENTES POUR LE STOCKAGE A TEMPERATURE AMBIANTE**
[72] MAO, YUEJIAN, CN
[71] INTERNATIONAL N&H DENMARK APS, DK
[85] 2024-05-07
[86] 2022-11-02 (PCT/EP2022/080535)
[87] (WO2023/083662)
[30] CN (PCT/CN2021/129546) 2021-11-09

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[51] **Int.Cl. G06F 30/20 (2020.01) H02S 20/23 (2014.01) G06F 16/532 (2019.01) G06F 16/587 (2019.01) G06F 16/9032 (2019.01) G06F 16/9038 (2019.01) G06F 30/13 (2020.01)**
[25] EN
[54] **METHODS FOR DESIGNING, MANUFACTURING, INSTALLING, AND/OR MAINTENANCE OF ROOFING ACCESSORIES AND SYSTEMS OF USE THEREOF**
[54] **PROCEDES DE CONCEPTION, DE FABRICATION, D'INSTALLATION ET/OU DE MAINTENANCE D'ACCESSOIRES DE TOITURE ET SYSTEMES D'UTILISATION DE CEUX-CI**
[72] CAMPAU, ZACHARY RICHARD, US
[72] ROBINSON, RICH, US
[71] BMIC LLC, US
[85] 2024-05-07
[86] 2022-11-18 (PCT/US2022/080142)
[87] (WO2023/092070)
[30] US (63/281,391) 2021-11-19

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[51] **Int.Cl. B01J 37/00 (2006.01) C25B 1/00 (2021.01) C25B 9/17 (2021.01)**
[25] EN
[54] **CATHODE CATALYSTS FOR CARBON OXIDE ELECTROLYZERS**
[54] **CATALYSEURS DE CATHODE POUR ELECTROLYSEURS D'OXYDE DE CARBONE**
[72] HUO, ZIYANG, US
[72] SHEN, CHENGTIAN, US
[72] HAU, KENNETH X., US
[72] REYES, ANGELICA L., US
[72] NICHOLSON, REBECCA, US
[72] TAO, ZIXU, US
[72] WU, YUESHEN, US
[71] TWELVE BENEFIT CORPORATION, US
[85] 2024-05-07
[86] 2022-11-09 (PCT/US2022/079570)
[87] (WO2023/086837)
[30] US (63/263,810) 2021-11-09

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[13] A1
[51] **Int.Cl. C01B 3/24 (2006.01) C01B 32/05 (2017.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR PRODUCING HYDROGEN BY CRACKING METHANE AND LOW CO2 EMISSION HYDROCARBONS**
[54] **PROCEDE ET APPAREIL DE PRODUCTION D'HYDROGENE PAR CRAQUAGE DE METHANE ET D'HYDROCARBURES A FAIBLE EMISSION DE CO2**
[72] EPSTEIN, MICHAEL, IL
[72] IAQUANIELLO, GAETANO, IT
[72] SALLADINI, ANNARITA, IT
[72] BORGOGNA, ALESSIA, IT
[72] PALO, EMMA, IT
[71] NEXTCHEM TECH S.P.A., IT
[85] 2024-05-07
[86] 2022-11-14 (PCT/IB2022/060932)
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[30] IT (102021000029045) 2021-11-16

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[51] **Int.Cl. A47K 10/32 (2006.01) B65D 51/18 (2006.01)**
[25] EN
[54] **STRUCTURE FOR SEALING AND DISPENSING CLEANING ARTICLES**
[54] **STRUCTURE PERMETTANT DE SCELLER ET DE DISTRIBUER DES ARTICLES DE NETTOYAGE**
[72] LEE, JONGSOO JACOB, US
[72] LIN, MINGHUANG, US
[72] MORGAN, TRANEIL, US
[72] SCHULZ, THOMAS, US
[72] YANG, NING, US
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2024-05-07
[86] 2021-11-19 (PCT/US2021/060086)
[87] (WO2023/091141)

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[13] A1
[51] **Int.Cl. G06T 7/62 (2017.01) G06T 7/73 (2017.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MEASURING AN ARTICLE**
[54] **PROCEDE ET SYSTEME DE MESURE D'UN ARTICLE**
[72] LIU, ADRIAN SISUM, GB
[72] LIU, XIAOXIANG, CA
[72] MOKHAYYERI, FANIYA, CA
[72] ISSON, JEAN-PAUL, CA
[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB
[85] 2024-05-07
[86] 2022-11-09 (PCT/GB2022/052832)
[87] (WO2023/084205)
[30] EP (21208064.2) 2021-11-12

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[13] A1
[51] **Int.Cl. C07C 29/88 (2006.01) C07C 29/76 (2006.01) C07C 31/10 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING ISOPROPYL ALCOHOL**
[54] **PROCEDE DE PREPARATION D'ALCOOL ISOPROPYLIQUE**
[72] HWANG, SUNG JUNE, KR
[72] LEE, SUNG KYU, KR
[72] KIM, SUNG KYUN, KR
[72] JANG, KYUNG SOO, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-07
[86] 2023-06-09 (PCT/KR2023/007922)
[87] (WO2024/039022)
[30] KR (10-2022-0103273) 2022-08-18
[30] KR (10-2023-0069395) 2023-05-30

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[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/504 (2006.01) C09K 8/508 (2006.01) C09K 8/512 (2006.01) C09K 8/514 (2006.01) C09K 8/588 (2006.01) C09K 8/66 (2006.01) C09K 8/68 (2006.01) C09K 8/88 (2006.01) C09K 8/90 (2006.01)**
[25] EN
[54] **ENVIRONMENTALLY FRIENDLY AQUEOUS POLYMER SUSPENSIONS**
[54] **SUSPENSIONS POLYMERES AQUEUSES SANS DANGER POUR L'ENVIRONNEMENT**
[72] LE, MINH, US
[72] ZALLUHOGLU, FULYA SUDUR, US
[72] QU, QI, US
[71] ENERGY SOLUTIONS (US) LLC, US
[85] 2024-05-07
[86] 2022-11-23 (PCT/US2022/050840)
[87] (WO2023/096956)
[30] US (63/282,481) 2021-11-23
[30] US (63/395,761) 2022-08-05

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[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/70 (2006.01) A61K 31/7028 (2006.01) A61K 31/704 (2006.01)**
[25] EN
[54] **PSMA TARGETED CONJUGATE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES CONJUGUES CIBLES SUR PSMA ET LEURS UTILISATIONS**
[72] BASILION, JAMES, US
[72] WANG, XINNING, US
[72] LEE, ZHENGHONG, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2024-05-07
[86] 2022-11-09 (PCT/US2022/079566)
[87] (WO2023/086833)
[30] US (63/277,426) 2021-11-09
[30] US (63/348,544) 2022-06-03
[30] US (63/359,257) 2022-07-08

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[51] **Int.Cl. G06Q 20/12 (2012.01) G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 20/38 (2012.01) G06Q 20/42 (2012.01)**
[25] EN
[54] **SYSTEM AND TECHNIQUES FOR AUTHENTICATED WEBSITE BASED CHECKOUT USING UNIFORM RESOURCE LOCATOR**
[54] **SYSTEME ET TECHNIQUES DE PAIEMENT REPOSANT SUR UN SITE WEB AUTHENTIFIE A L'AIDE D'UN LOCALISATEUR UNIFORME DE RESSOURCES**
[72] RULE, JEFFREY, US
[72] OSBORN, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2024-05-07
[86] 2022-11-23 (PCT/US2022/050880)
[87] (WO2023/101879)
[30] US (17/538,351) 2021-11-30

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[51] **Int.Cl. H02K 3/487 (2006.01) H02K 15/085 (2006.01)**
[25] EN
[54] **METHOD FOR EXTERNAL WINDING OF ESP MOTOR USING A SPLIT CORE STATOR**
[54] **PROCEDE D'ENROULEMENT EXTERNE D'UN MOTEUR D'ESP A L'AIDE D'UN STATOR A NOYAU FENDU**
[72] LI, YONG, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-07
[86] 2022-11-17 (PCT/US2022/050292)
[87] (WO2023/091593)
[30] US (17/529,013) 2021-11-17

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 7/00 (2006.01)**
[25] EN
[54] **RENDERERS, DECODERS, ENCODERS, METHODS AND BITSTREAMS USING SPATIALLY EXTENDED SOUND SOURCES**
[54] **DISPOSITIF DE RENDU, DECODEURS, CODEURS, PROCEDES ET TRAINS DE BITS UTILISANT DES SOURCES SONORES ETENDUES DANS L'ESPACE**
[72] SCHWAER, SIMON, DE
[72] WU, YUN-HAN, DE
[72] HERRE, JUERGEN, DE
[72] GEIER, MATTHIAS, DE
[72] KOROTIAEV, MIKHAIL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-07
[86] 2022-11-09 (PCT/EP2022/081304)
[87] (WO2023/083876)
[30] EP (21207344.9) 2021-11-09

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[13] A1
[51] **Int.Cl. A61K 8/37 (2006.01)**
[25] EN
[54] **PERSONAL CARE PRODUCT CONTAINING NATURAL OIL-BASED PETROLATUM**
[54] **PRODUIT DE SOINS PERSONNELS CONTENANT DU PETROLATUM A BASE D'HUILE NATURELLE**
[72] EVERAERT, EMMANUEL PAUL JOS MARIE, FR
[72] FULZELE, SMITA, US
[72] KURTH, TODD L., US
[72] ROLLAND, SERENA TESS, US
[72] ZHOU, YIJUN, US
[71] CARGILL, INCORPORATED, US
[85] 2024-05-07
[86] 2022-11-16 (PCT/US2022/079954)
[87] (WO2023/091941)
[30] US (63/264,211) 2021-11-17
[30] US (63/367,352) 2022-06-30

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[13] A1
[51] **Int.Cl. D05B 19/02 (2006.01) D05B 19/12 (2006.01)**
[25] EN
[54] **SEWING MACHINE AND METHODS OF USING THE SAME**
[54] **MACHINE A COUDRE ET SES PROCEDES D'UTILISATION**
[72] NILSSON, MATTIAS, SE
[72] KVARNSTRAND, LAURA, SE
[71] SINGER SOURCING LIMITED LLC, US
[85] 2024-05-07
[86] 2022-11-10 (PCT/US2022/049533)
[87] (WO2023/086462)
[30] US (63/278,286) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 8/37 (2006.01)**
[25] EN
[54] **NATURAL OIL-BASED PETROLATUM AND METHOD OF MAKING SAME**
[54] **VASELINE A BASE D'HUILE NATURELLE ET SON PROCEDE DE FABRICATION**
[72] KURTH, TODD L., US
[72] ROLLAND, SERENA TESS, US
[72] ZHOU, YIJUN, US
[71] CARGILL, INCORPORATED, US
[85] 2024-05-07
[86] 2022-11-16 (PCT/US2022/079949)
[87] (WO2023/091937)
[30] US (63/264,211) 2021-11-17
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[13] A1
[51] **Int.Cl. G01H 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING VIBRATIONS OF A VIBRATION MACHINE**
[54] **PROCEDE DE MESURE DE VIBRATIONS D'UNE MACHINE A VIBRATIONS**
[72] RAIS, VIKTOR, DE
[72] SCHAFER, JAN, DE
[71] SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED, AU
[85] 2024-05-07
[86] 2022-11-28 (PCT/EP2022/083549)
[87] (WO2023/094675)
[30] DE (10 2021 131 189.6) 2021-11-29

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[13] A1
[51] **Int.Cl. A61K 38/27 (2006.01) A61P 1/16 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **NUCLEOSIDE MODIFIED MRNA AND USES THEREOF**
[54] **ARNM MODIFIE PAR NUCLEOSIDE ET SES UTILISATIONS**
[72] GOUON-EVANS, VALERIE, US
[72] WEISSMAN, DREW, US
[72] PARDI, NORBERT, US
[71] BOSTON MEDICAL CENTER CORPORATION, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2024-05-07
[86] 2022-11-08 (PCT/US2022/049211)
[87] (WO2023/081494)
[30] US (63/276,868) 2021-11-08

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[13] A1
[51] **Int.Cl. C08J 11/08 (2006.01)**
[25] EN
[54] **METHODS OF RECYCLING POLYSTYRENE MATERIAL COMPRISING BROMINATED CONTAMINANTS**
[54] **PROCEDES DE RECYCLAGE D'UN MATERIAU DE POLYSTYRENE COMPRENANT DES CONTAMINANTS BROMES**
[72] COTE, ROLAND, CA
[72] PIN, JEAN-MATHIEU, CA
[71] POLYSTYVERT INC., CA
[85] 2024-05-07
[86] 2022-11-11 (PCT/CA2022/051666)
[87] (WO2023/082009)
[30] US (63/278,482) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 35/22 (2015.01) C12N 5/071 (2010.01)**
[25] EN
[54] **A METHOD FOR PRODUCING INDUCED STEROIDOGENIC CELLS AND USE THEREOF IN CELL THERAPY**
[54] **PROCEDE DE PRODUCTION DE CELLULES STEROIDOGENES INDUITES ET LEUR UTILISATION DANS LA THERAPIE CELLULAIRE**
[72] RUIZ BABOT, GERARD, DE
[72] BORNSTEIN, STEFAN R., DE
[71] TECHNISCHE UNIVERSITAET DRESDEN, DE
[85] 2024-05-07
[86] 2022-11-09 (PCT/EP2022/081212)
[87] (WO2023/083839)
[30] US (63/263,795) 2021-11-09
[30] EP (22160480.4) 2022-03-07

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[13] A1
[51] **Int.Cl. A24F 1/30 (2006.01) A24F 5/00 (2006.01)**
[25] EN
[54] **SLIDE IN BOWL FOR A WATER PIPE SMOKING DEVICE**
[54] **FOURNEAU COULISSANT POUR UN DISPOSITIF A FUMER DE TYPE PIPE A EAU**
[72] ENGLEHART, LEIGH, US
[71] ENGLEHART, LEIGH, US
[85] 2024-05-07
[86] 2023-02-01 (PCT/US2023/012128)
[87] (WO2023/150173)
[30] US (63/306,329) 2022-02-03
[30] US (18/093,483) 2023-01-05

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[13] A1
[51] **Int.Cl. B60L 53/30 (2019.01) G01R 31/52 (2020.01) G01R 1/04 (2006.01) G01R 15/18 (2006.01)**
[25] EN
[54] **ELECTRIC CIRCUITRY FOR FAULT CURRENT DETECTION IN AN ELECTRIC VEHICLE CHARGING STATION**
[54] **CIRCUIT ELECTRIQUE POUR DETECTION DE COURANT DE DEFAUT DANS UNE STATION DE CHARGE DE VEHICULE ELECTRIQUE**
[72] VISPOEL, STIJN, BE
[71] ENOVATES NV, BE
[85] 2024-05-07
[86] 2022-11-08 (PCT/EP2022/081177)
[87] (WO2023/083831)
[30] EP (21207062.7) 2021-11-09

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61B 5/00 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **CLOSED-LOOP NEURAL INTERFACE FOR PAIN CONTROL**
[54] **INTERFACE NEURONALE EN BOUCLE FERMEE POUR LE CONTROLE DE LA DOULEUR**
[72] WANG, JING, US
[72] CHEN, ZHE SAGE, US
[71] NEW YORK UNIVERSITY, US
[85] 2024-05-07
[86] 2022-11-02 (PCT/US2022/048714)
[87] (WO2023/081218)
[30] US (63/263,738) 2021-11-08

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[13] A1
[51] **Int.Cl. B30B 11/16 (2006.01) C21B 13/00 (2006.01) C22B 1/24 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR PRODUCING HOT BRIQUETTED IRON**
[54] **APPAREIL DE PRODUCTION DE FER BRIQUETE A CHAUD**
[72] SUUP, ANNA-MARIA, SE
[72] RUONA, TOMMY, SE
[71] HYBRIT DEVELOPMENT AB, SE
[85] 2024-05-07
[86] 2022-11-10 (PCT/SE2022/051046)
[87] (WO2023/086002)
[30] SE (2151381-7) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 35/34 (2015.01) A61P 9/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF HUMAN HEART DERIVED EXTRACELLULAR VESICLES AND USES THEREOF**
[54] **COMPOSITIONS DE VESICULES EXTRACELLULAIRES DERIVEES DE COEUR HUMAIN ET LEURS UTILISATIONS**
[72] DAVIS, DARRYL RAYMOND, CA
[72] PARENT, SANDRINE, CA
[71] UNIVERSITY OF OTTAWA HEART INSTITUTE, CA
[85] 2024-05-07
[86] 2022-11-11 (PCT/CA2022/051669)
[87] (WO2023/082012)
[30] US (63/278,518) 2021-11-12

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[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/157 (2006.01) A61F 13/84 (2006.01)**
[25] EN
[54] **DERMAL PATCH FOR COLLECTING A PHYSIOLOGICAL SAMPLE**
[54] **TIMBRE DERMIQUE POUR COLLECTER UN ECHANTILLON PHYSIOLOGIQUE**
[72] NAWANA, NAMAL, US
[72] AL-SHAMSIE, ZIAD TARIK, US
[71] SATIO, INC., US
[85] 2024-05-07
[86] 2022-11-04 (PCT/US2022/048913)
[87] (WO2023/081330)
[30] US (17/521,466) 2021-11-08

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[13] A1
[51] **Int.Cl. A45D 24/22 (2006.01) A45D 24/10 (2006.01)**
[25] EN
[54] **ATOMIZING COMB**
[54] **PEIGNE VAPORISATEUR**
[72] LIANG, BILL WENQING, CN
[71] CF PHARMTECH, INC., CN
[85] 2024-05-07
[86] 2023-08-30 (PCT/CN2023/115662)
[87] (WO2024/051542)
[30] CN (202222392189.6) 2022-09-08

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[13] A1
[51] **Int.Cl. G06F 16/93 (2019.01) G06F 3/0482 (2013.01) G06F 3/0484 (2022.01)**
[25] EN
[54] **FEDERATED SYSTEM AND METHOD FOR ANALYZING LANGUAGE COHERENCY, CONFORMANCE, AND ANOMALY DETECTION**
[54] **SYSTEME FEDERE ET PROCEDE D'ANALYSE DE COHERENCE DE LANGAGE, D'OBSERVANCE, ET DE DETECTION D'ANOMALIES**
[72] HRON II, JOEL M., US
[71] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
[85] 2024-05-07
[86] 2022-11-18 (PCT/US2022/050368)
[87] (WO2023/096830)
[30] US (63/283,049) 2021-11-24

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[13] A1
[51] **Int.Cl. A63H 27/10 (2006.01)**
[25] EN
[54] **A BALLOON**
[54] **BALLONNET**
[72] HALIBURTON, JAMES, GB
[71] SEATRIEVER INTERNATIONAL HOLDINGS LIMITED, GB
[85] 2024-05-07
[86] 2022-11-10 (PCT/GB2022/052857)
[87] (WO2023/084226)
[30] GB (2116161.7) 2021-11-10

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[13] A1
[51] **Int.Cl. B65B 5/10 (2006.01) G07F 11/00 (2006.01) G07F 17/00 (2006.01)**
[25] FR
[54] **DRUG DISPENSING DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION DE MEDICAMENTS**
[72] GUISSART, JEAN-BAPTISTE, FR
[71] INCARE, FR
[85] 2024-05-07
[86] 2022-12-02 (PCT/EP2022/084256)
[87] (WO2023/099754)
[30] FR (FR2112839) 2021-12-02
[30] FR (FR2114500) 2021-12-24

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[13] A1
[51] **Int.Cl. E21B 47/18 (2012.01) E21B 47/16 (2006.01)**
[25] EN
[54] **NOISE REDUCTION FOR DOWNHOLE TELEMETRY**
[54] **REDUCTION DE BRUIT POUR TELEMESURE DE FOND DE TROU**
[72] SOBHANA, RASHOBH RAJAN, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-07
[86] 2022-01-31 (PCT/US2022/014482)
[87] (WO2023/146541)
[30] US (17/584,645) 2022-01-26

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[13] A1
[51] **Int.Cl. B29C 45/26 (2006.01) B22D 17/32 (2006.01) B29C 45/76 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING INJECTION MOLDING**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'UN MOULAGE PAR INJECTION**
[72] MENESES, J. LOUIE, CA
[72] MARTINO, DAVIDE, CA
[72] ST. PIERRE, JONATHAN ROBERT, CA
[71] SYBRIDGE TECHNOLOGIES U.S. INC., US
[85] 2024-05-07
[86] 2022-11-10 (PCT/US2022/049539)
[87] (WO2023/086466)
[30] US (63/277,971) 2021-11-10

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[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 17/04 (2006.01) E21B 34/06 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE FLEX SYSTEM FOR DIRECTIONAL DRILLING**
[54] **SYSTEME FLEXIBLE REGLABLE POUR FORAGE DIRECTIONNEL**
[72] HARDIN, JOHN R., US
[72] HARMS, TIMOTHY EDWARD, US
[72] MURPHY, ROBERT TRAVIS, US
[72] ZAMAN, ADNAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-07
[86] 2022-01-18 (PCT/US2022/012803)
[87] (WO2023/132844)
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[54] **CORRELATING CAPTURED PACKETS WITH SYNTHETIC APPLICATION TESTING**
[54] **CORRELATION DE PAQUETS CAPTURES AVEC UN TEST D'APPLICATION SYNTHETIQUE**
[72] LEE, TIMOTHY ROBERT, US
[72] VOGT, ROBERT ALAN, US
[71] NETSCOUT SYSTEMS, INC., US
[85] 2024-05-06
[86] 2022-10-28 (PCT/US2022/048259)
[87] (WO2023/086223)
[30] US (63/278,909) 2021-11-12

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[51] **Int.Cl. H03M 7/30 (2006.01) H04L 9/32 (2006.01) H04L 9/00 (2022.01)**
[25] EN
[54] **EFFICIENT TRANSMISSION OF COMPRESSED CERTIFICATES IN A LOW BANDWIDTH MESH ENVIRONMENT**
[54] **TRANSMISSION EFFICACE DE CERTIFICATS COMPRESSES DANS UN ENVIRONNEMENT DE MAILLAGE A FAIBLE BANDE PASSANTE**
[72] SINGH, KALVINDER PAL, US
[72] KISS, ZOLTAN PETER, US
[72] JOHNSON, DARIN BYRON, US
[71] ITRON, INC., US
[85] 2024-05-06
[86] 2022-12-01 (PCT/US2022/051568)
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[25] EN
[54] **IMPROVED ANTIGEN BINDING RECEPTORS**
[54] **RECEPTEURS DE LIAISON A L'ANTIGENE AMELIORES**
[72] CHEN, GUOZHI, CN
[72] DAROWSKI, DIANA, CN
[72] FREIMOSER-GRUNDSCHOBER, ANNE, CH
[72] KLEIN, CHRISTIAN, CH
[72] MOESSNER, EKKEHARD, CH
[72] WEI, HUAFENG, CN
[72] XU, WEI, CN
[72] XU, DAN, CN
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] F.HOFFMANN-LA ROCHE AG, CH
[85] 2024-05-06
[86] 2022-11-23 (PCT/EP2022/082898)
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[30] EP (21210364.2) 2021-11-25

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[51] **Int.Cl. C07D 401/12 (2006.01) C07D 209/26 (2006.01) C07K 5/04 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING MACROCYCLIC PEPTIDES**
[54] **PROCEDE DE FABRICATION DE PEPTIDES MACROCYCLIQUES**
[72] ADAM, JEAN-MICHEL, CH
[72] BLISS, FRITZ, CH
[72] DOTT, PASCAL JEAN CLAUDE, CH
[72] HOFFMANN-EMERY, FABIENNE ROXANE, CH
[72] LARSSON, ULF GOERAN, SE
[72] PUENTENER, KURT, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2024-05-06
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[25] EN
[54] **STABILIZED IL-18 POLYPEPTIDES AND USES THEREOF**
[54] **POLYPEPTIDES IL-18 STABILISES ET LEURS UTILISATIONS**
[72] BAINBRIDGE, TRAVIS WILLIAM, US
[72] BULUTOGLU BAYKARA, BEYZA, US
[72] SOCKOLOSKY, JONATHAN THOMAS, US
[71] GENENTECH, INC., US
[85] 2024-05-06
[86] 2022-12-14 (PCT/US2022/081529)
[87] (WO2023/114829)
[30] US (63/289,948) 2021-12-15

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[51] **Int.Cl. H04W 74/00 (2009.01)**
[25] EN
[54] **CONTENTION RESOLUTION FOR NON-TERRESTRIAL NETWORK**
[54] **RESOLUTION DE CONTENTION POUR RESEAU NON TERRESTRE**
[72] YUAN, PING, CN
[72] WU, CHUNLI, CN
[72] TURTINEN, SAMULI HEIKKI, FI
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2024-05-08
[86] 2021-11-08 (PCT/CN2021/129322)
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[25] EN
[54] **KIF18A INHIBITOR**
[54] **INHIBITEUR DE KIF18A**
[72] XIE, YULI, CN
[72] WU, YINGMING, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2024-05-08
[86] 2022-11-18 (PCT/CN2022/132954)
[87] (WO2023/088441)
[30] CN (202111399876.4) 2021-11-19
[30] CN (202210225663.8) 2022-03-09
[30] CN (202210667619.2) 2022-06-13

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[51] **Int.Cl. C07D 487/04 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **PYRAZOLO FUSED RING COMPOUND AND USE THEREOF**
[54] **COMPOSE A CYCLE CONDENSE PYRAZOLE ET SON UTILISATION**
[72] WEI, CHANGQING, CN
[72] GUO, QIANG, CN
[72] WANG, CONG, CN
[72] YUE, BAO, CN
[72] QIAN, WENYUAN, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] SOTER BIOPHARMA PTE. LTD., SG
[85] 2024-05-08
[86] 2022-11-09 (PCT/CN2022/130770)
[87] (WO2023/083200)
[30] CN (202111342790.8) 2021-11-12
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[51] **Int.Cl. A61B 18/26 (2006.01) A61B 18/22 (2006.01)**
[25] EN
[54] **CATHETER SYSTEM INCLUDING ALIGNMENT ASSEMBLY FOR OPTICAL FIBER CONNECTORS IN MEDICAL LASER APPLICATIONS**
[54] **SYSTEME DE CATHETER COMPRENANT UN ENSEMBLE D'ALIGNEMENT POUR CONNECTEURS DE FIBRES OPTIQUES DANS DES APPLICATIONS DE LASER MEDICAL**
[72] COOK, CHRISTOPHER A., US
[72] FANG, ITZHAK, US
[72] ZALESKI, RICHARD, US
[72] WANG, TING TING, US
[72] SWIFT, JAMES, US
[71] BOLT MEDICAL, INC., US
[85] 2024-05-08
[86] 2022-12-22 (PCT/US2022/053775)
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[30] US (63/293,330) 2021-12-23
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[51] **Int.Cl. B65G 1/137 (2006.01) B07C 5/36 (2006.01) B65G 1/08 (2006.01) B65G 47/50 (2006.01)**
[25] EN
[54] **ROBOTIC PUT WALL SYSTEMS AND METHODS WITH MOBILE DESTINATION LOCATION ASSEMBLIES**
[54] **SYSTEMES DE PAROI DE POSE ROBOTIQUE ET PROCEDES AVEC ENSEMBLES DE LOCALISATION DE DESTINATION MOBILES**
[72] O'HERN, RYAN, US
[72] ROMANO, JOSEPH, US
[72] HATTABAUGH, CRAIG, US
[72] AMEND, JOHN RICHARD, JR., US
[72] TORREY, JACOB, US
[72] KITTREDGE, JEFFREY, US
[72] LAPRADE, SARA, US
[72] MYERS, SARAH, US
[72] BEST, JOSHUA, US
[72] BUCK, CHRISTOPHER, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[85] 2024-04-05
[86] 2022-10-13 (PCT/US2022/046561)
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[30] US (63/255,215) 2021-10-13

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[51] **Int.Cl. B64C 17/02 (2006.01) B64C 31/032 (2006.01) B64C 39/02 (2023.01)**
[25] EN
[54] **AUTONOMOUS ELECTRIC, WEIGHT-SHIFT CONTROL UNMANNED AERIAL VEHICLE**
[54] **VEHICULE AERIEN SANS PILOTE A COMMANDE DE DEPLACEMENT DE POIDS ELECTRIQUE AUTONOME**
[72] PIZARRO, ANTHONY F., CA
[72] DOERWALD, BRUNO C., CA
[71] ROMAERIS CORPORATION, CA
[85] 2024-05-08
[86] 2022-11-09 (PCT/CA2022/051654)
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[30] US (63/277,321) 2021-11-09

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[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/20 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **TRANSACTION SYSTEM WITH TRUSTED PARTIES**
[54] **SYSTEME DE TRANSACTION AVEC DES PARTIES DE CONFIANCE**
[72] VEAZEY, BRADLEY, US
[72] FRAGOSO, EDUARDO, US
[72] LEWIS, MARTIN, US
[71] BAM ENTERPRISES OF AMARILLO, LLC, US
[85] 2024-05-08
[86] 2022-11-14 (PCT/US2022/079845)
[87] (WO2023/087011)
[30] US (63/278,393) 2021-11-11
[30] US (63/369,593) 2022-07-27
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[51] **Int.Cl. G01N 33/00 (2006.01) F23G 7/08 (2006.01)**
[25] EN
[54] **FLARE SYSTEMS EMISSIONS ANALYZER**
[54] **ANALYSEUR D'EMISSIONS DE SYSTEMES DE TORCHE**
[72] SAFAR, ANAS H., SA
[72] AL-MAHMOOD, MOHAMMED A., SA
[72] ALOUFI, YOUSEF D., SA
[72] AL SANAD, ABDULLMAJEED I., SA
[72] ALJALLAL, MOHAMMED A., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2024-04-09
[86] 2022-10-24 (PCT/US2022/078596)
[87] (WO2023/076862)
[30] US (17/452,332) 2021-10-26

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[51] **Int.Cl. A61K 31/19 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **METHODS FOR BIOFILM DISRUPTION**
[54] **PROCEDES DE RUPTURE DE BIOFILM**
[72] FONCECA, ANGELA, AU
[72] DITCHAM, WILL, AU
[72] FLEMATTI, GAVIN, AU
[72] EVERARD, MARK, GB
[72] BARKER, ANDREW, AU
[71] NEOLIXIR LIMITED, AU
[85] 2024-05-08
[86] 2022-11-11 (PCT/AU2022/051347)
[87] (WO2023/081974)
[30] AU (2021903639) 2021-11-12

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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVING FLORET FERTILITY AND SEED YIELD**
[54] **PROCEDES D'AMELIORATION DE LA FERTILITE DU FLEURON ET DU RENDEMENT EN GRAINES**
[72] MILLER, MARISA, US
[72] O'CONNOR, DEVIN, US
[71] PAIRWISE PLANTS SERVICES, INC., US
[85] 2024-04-02
[86] 2022-10-03 (PCT/US2022/077448)
[87] (WO2023/060028)
[30] US (63/251,859) 2021-10-04

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[51] **Int.Cl. A61K 47/60 (2017.01) A61K 38/47 (2006.01) A61P 7/06 (2006.01) C07K 7/64 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **COMPLEMENT INHIBITOR DOSING REGIMENS**
[54] **SCHEMAS POSOLOGIQUES D'INHIBITEURS DU COMPLEMENT**
[72] FRANCOIS, CEDRIC, US
[72] DESCHATELETS, PASCAL, US
[72] GROSSI, FEDERICO, US
[71] APELLIS PHARMACEUTICALS, INC., US
[85] 2024-04-23
[86] 2022-11-03 (PCT/US2022/048890)
[87] (WO2023/081318)
[30] US (63/275,274) 2021-11-03

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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCED BCMA IMMUNOHISTOCHEMISTRY DETECTION IN HUMAN AND MONKEY TISSUE**
[54] **METHODES POUR LA DETECTION AMELIOREE D'IMMUNOHISTOCHIMIE BCMA DANS UN TISSU HUMAIN ET UN TISSU DE SINGE**
[72] CARREIRA, VINICIUS, US
[72] MARELLA, MATHIEU, US
[72] CORNAX, INGRID, US
[71] JANSSEN BIOTECH, INC., US
[85] 2024-04-24
[86] 2022-10-26 (PCT/US2022/078683)
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[30] US (63/272,600) 2021-10-27

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[51] **Int.Cl. A61L 9/02 (2006.01) A61L 9/03 (2006.01)**
[25] FR
[54] **DIFFUSER DEVICE FOR DISPERSING A SUBSTANCE THAT IS IN THE LIQUID OR SOLID STATE AT ROOM TEMPERATURE INTO THE AIR AS VAPOR**
[54] **APPAREIL DIFFUSEUR DESTINE A DISPERSER DANS L'AIR, A L'ETAT DE VAPEUR, UNE SUBSTANCE A L'ETAT LIQUIDE OU SOLIDE A TEMPERATURE AMBIANTE**
[72] DUFOUR, SAMUEL, FR
[72] JOURDAN, ARNAUD, FR
[72] RIVIERE, PHILIPPE, FR
[71] CAELIMP, FR
[85] 2024-05-08
[86] 2022-11-17 (PCT/EP2022/082258)
[87] (WO2023/089019)
[30] FR (FR2112164) 2021-11-17

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[51] **Int.Cl. C07K 14/705 (2006.01) A61K 35/17 (2015.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C12N 15/62 (2006.01) C12Q 1/70 (2006.01) C12N 5/0783 (2010.01) G01N 33/53 (2006.01)**
[25] EN
[54] **BINDING PROTEINS RECOGNIZING HPV16 E7 ANTIGEN AND USES THEREOF**
[54] **PROTEINES DE LIAISON RECONNAISSANT L'ANTIGENE HPV16 E7 ET LEURS UTILISATIONS**
[72] NAYAR, RIBHU, US
[72] JANGALWE, SONAL, US
[72] POLLACKSMITH, DANIEL, US
[72] BOUDOT, ANTOINE J., US
[72] MACBEATH, GAVIN, US
[71] TSCAN THERAPEUTICS, INC., US
[85] 2024-04-30
[86] 2022-11-10 (PCT/US2022/049551)
[87] (WO2023/086477)
[30] US (63/277,901) 2021-11-10
[30] US (63/317,326) 2022-03-07
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[51] **Int.Cl. B01L 3/00 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **FLOW PATH SYSTEM, GENE SEQUENCER AND REAGENT RECOVERY METHOD**
[54]
[72] LU, HAO, CN
[72] NIU, ZIHUA, CN
[72] LI, SONGLIN, CN
[72] XING, CHUTIAN, CN
[71] MGI TECH CO., LTD., CN
[85] 2024-05-08
[86] 2021-11-09 (PCT/CN2021/129640)
[87] (WO2023/082063)

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[13] A1
[51] **Int.Cl. C07D 209/58 (2006.01)**
[25] EN
[54] **IMINIUM SALTS WITH A BARRALENE RING, CORRESPONDING RUTHENIUM COMPLEXES, AND USES THEREOF**
[54] **SELS D'IMINIUM AVEC UN CYCLE BARRALENE, COMPLEXES DE RUTHENIUM CORRESPONDANTS ET LEURS UTILISATIONS**
[72] MAUDUIT, MARC, FR
[72] MORVAN, JENNIFER, FR
[72] TALCIK, JAKUB, FR
[72] JAZZAR, RODOLPHE, US
[72] BERTRAND, GUY, US
[72] MELAIMI, MOHAND-AMEZIANE, US
[72] SERRATO, MELINDA RACHEL, US
[71] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE RENNES, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES, FR
[71] UNIVERSITE DE RENNES, FR
[71] UNIVERSITY OF CALIFORNIA, SAN DIEGO, US
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2024-05-08
[86] 2022-11-15 (PCT/EP2022/082039)
[87] (WO2023/088919)
[30] EP (21306592.3) 2021-11-16

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[13] A1
[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **FUSED TRIAZINONE DERIVATIVES AND METHODS OF USING THE SAME**
[54] **DERIVES DE TRIAZINONE FUSIONNES ET LEURS PROCEDES D'UTILISATION**
[72] WAGER, TRAVIS T., US
[72] WENG, ZHIPING, US
[72] XI, HUALIN SIMON, US
[71] RGENTA THERAPEUTICS, INC., US
[85] 2024-05-07
[86] 2022-11-11 (PCT/US2022/079748)
[87] (WO2023/086959)
[30] US (63/278,726) 2021-11-12

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF IMMUNE CHECKPOINT INHIBITOR-TREATED CANCERS WITH HIGH EGFR EXPRESSION USING AN ANTIBODY THAT BINDS AT LEAST EGFR**
[54] **TRAITEMENT DE CANCERS TRAITES PAR UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE AYANT UNE EXPRESSION D'EGFR ELEVEE A L'AIDE D'UN ANTICORPS SE LIANT AU MOINS A L'EGFR**
[72] WASSERMAN, ERNESTO ISAAC, NL
[72] LAMMERTS VAN BUEREN, JEROEN JILLES, NL
[71] MERUS N.V., NL
[85] 2024-04-04
[86] 2022-10-06 (PCT/NL2022/050563)
[87] (WO2023/059191)
[30] NL (2029327) 2021-10-06

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[51] **Int.Cl. C12N 5/14 (2006.01) C12N 1/12 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **OPTIMIZED BIOSYNTHESIS PATHWAY FOR CANNABINOID BIOSYNTHESIS**
[54] **VOIE DE BIOSYNTHESE OPTIMISEE POUR LA BIOSYNTHESE DES CANNABINOIDES**
[72] NGUYEN, DIEP MINH NGOC, US
[72] KAMBOURAKIS, SPIROS, US
[72] KOMOR, RUSSELL SCOTT, US
[72] KEUL, NICHOLAS DONALD, US
[72] CAIAZZA, NICKY CHRISTOPHER, US
[72] URANO, JUN, US
[71] CELLIBRE, INC., US
[85] 2024-04-15
[86] 2022-10-17 (PCT/US2022/046924)
[87] (WO2023/064639)
[30] US (63/256,388) 2021-10-15

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[51] **Int.Cl. B02C 4/28 (2006.01)**
[25] EN
[54] **DEMOUNTING A HIGH PRESSURE GRINDING ROLLER**
[54] **DEMONTAGE D'UN ROULEAU DE BROYAGE HAUTE PRESSION**
[72] ARTZ, SANDER, NL
[72] GEUTJES, DENNIS, NL
[72] THIJSSEN, JOS, NL
[72] STEIJN, BRAM, NL
[72] OKOROKOV, VOLODYMYR, NL
[71] WEIR MINERALS NETHERLANDS B.V., NL
[85] 2024-05-08
[86] 2022-12-09 (PCT/IB2022/061984)
[87] (WO2023/119045)
[30] GB (2118704.2) 2021-12-21

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 9/00 (2006.01) A61K 9/19 (2006.01) A61K 9/51 (2006.01) A61K 39/00 (2006.01) A61K 39/145 (2006.01) A61P 31/16 (2006.01)**
[25] EN
[54] **IMMUNOGENIC LNP COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS IMMUNOGENES DE LNP ET PROCEDES ASSOCIES**
[72] BADKAR, ADVAIT VIJAY, US
[72] BHATNAGAR, BAKUL SUBODH, US
[72] DARVARI, RAMIN, US
[72] GARCIA, MIGUEL ANGEL, US
[72] GUO, PENGBO, US
[72] LI, SHILONG, US
[72] SHI, SHUAI, US
[72] TCHESSALOV, SERGUEI, US
[71] PFIZER INC., US
[85] 2024-04-04
[86] 2022-10-05 (PCT/IB2022/059518)
[87] (WO2023/057930)
[30] US (63/262,336) 2021-10-08
[30] US (63/293,652) 2021-12-23
[30] US (63/408,465) 2022-09-20

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[51] **Int.Cl. C07C 229/12 (2006.01) A61K 9/16 (2006.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/711 (2006.01) A61K 31/713 (2006.01) A61K 47/18 (2017.01) A61K 48/00 (2006.01)**
[25] EN
[54] **CATIONIC LIPID**
[54] **LIPIDE CATIONIQUE**
[72] MATSUMOTO, SATORU, JP
[72] OMORI, YOSHIMASA, JP
[72] HOASHI, YASUTAKA, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2024-05-07
[86] 2022-11-09 (PCT/JP2022/041651)
[87] (WO2023/085299)
[30] JP (2021-183413) 2021-11-10

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTI-TAU ANTIBODY COMPOSITIONS, DOSAGE FORMS, AND METHODS**
[54] **COMPOSITIONS D'ANTICORPS ANTI-TAU, FORMES GALENIQUES ET METHODES**
[72] REYDERMAN, LARISA, US
[72] RAWAL, SUMIT, US
[72] WILDSMITH, KRISTIN RUTH, US
[72] ZHOU, JIN, US
[72] BALDO, PAU ACEVES, GB
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2024-04-12
[86] 2022-11-03 (PCT/IB2022/060604)
[87] (WO2023/079485)
[30] US (63/275,045) 2021-11-03
[30] US (63/290,278) 2021-12-16
[30] US (63/316,582) 2022-03-04
[30] US (63/316,616) 2022-03-04

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[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF THERAPEUTIC PROTEINS**
[54] **PRODUCTION DE PROTEINES THERAPEUTIQUES**
[72] MCELEARNEY, KYLE SHAMUS, US
[72] LUO, QUANZHOU, US
[72] GUPTA, SHIVANI, US
[72] GANDHI, RINABEN BHAVIN, US
[72] SUMAN, SNEHA, US
[72] SHAH, BHAVANA, US
[72] STEVENS, JENNITTE LEANN, US
[71] AMGEN INC., US
[85] 2024-05-07
[86] 2022-11-08 (PCT/US2022/079488)
[87] (WO2023/086793)
[30] US (63/277,501) 2021-11-09
[30] US (63/326,194) 2022-03-31

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[13] A1
[51] **Int.Cl. A01N 3/00 (2006.01)**
[25] EN
[54] **METHOD OF PRESERVING MAIZE POLLEN VIABILITY UNDER HEAT STRESS**
[54] **PROCEDE DE CONSERVATION DE LA VIABILITE DU POLLEN DE MAIS SOUS STRESS THERMIQUE**
[72] LEIPNER, JOERG, CH
[72] RUTA, NATHINEE, CH
[72] NICOLI, ANGELIQUE, FR
[72] FONTAN, ANTOINE, FR
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-08
[86] 2022-12-01 (PCT/EP2022/084016)
[87] (WO2023/099652)
[30] EP (21212038.0) 2021-12-02

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[13] A1
[51] **Int.Cl. E03D 9/00 (2006.01) A61L 2/02 (2006.01) A61L 2/16 (2006.01) C11D 3/34 (2006.01)**
[25] EN
[54] **COMPOSITION TO PREVENT OR REDUCE SPLASHING ON USE OF A TOILET**
[54] **COMPOSITION POUR PREVENIR OU REDUIRE LES ECLABOUSSURES LORS DE L'UTILISATION DE TOILETTES**
[72] AZOURI, LOREN, IL
[71] BUBL-REVOLUTIONARY TOILETS SOLUTION LTD., IL
[85] 2024-05-07
[86] 2022-10-31 (PCT/IL2022/051154)
[87] (WO2023/089605)
[30] US (63/280,161) 2021-11-17

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[13] A1
[51] **Int.Cl. C12N 1/12 (2006.01) A23K 10/16 (2016.01) C11B 1/02 (2006.01) C12P 7/40 (2006.01)**
[25] EN
[54] **NOVEL SCHIZOCHYTRIUM SP. STRAIN EASY TO EXTRACT OIL IN CELL AND METHOD FOR PRODUCING OIL CONTAINING OMEGA-3 USING THEREOF**
[54] **NOUVELLE SOUCHE DE SCHIZOCHYTRIUM SP. AVEC EXTRACTION FACILE DES HUILES INTRACELLULAIRES ET PROCEDE DE PRODUCTION D'HUILE CONTENANT DES OMEGA-3 L'UTILISANT**
[72] CHOI, JUNG-WOON, KR
[72] JEONG, A YOUNG, KR
[72] GWAK, JUN SEOK, KR
[72] KANG, HAE-WON, KR
[72] RYU, AE JIN, KR
[72] KIM, JI YOUNG, KR
[72] SHIN, WON SUB, KR
[72] JANG, SUNGHOON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2024-05-07
[86] 2022-08-10 (PCT/KR2022/011958)
[87] (WO2023/080399)
[30] KR (10-2021-0152560) 2021-11-08

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[13] A1
[51] **Int.Cl. H01R 11/30 (2006.01) H01R 11/14 (2006.01)**
[25] EN
[54] **MAGNETIC EARTH CLAMP FOR OVERHEAD LINE EQUIPMENT STRUCTURES**
[54] **PINCE DE MISE A LA TERRE MAGNETIQUE POUR STRUCTURES D'EQUIPEMENT DE LIGNE AERIENNE**
[72] NEL, LOUIS, GB
[71] NETWORK RAIL, GB
[85] 2024-05-08
[86] 2023-03-17 (PCT/EP2023/056941)
[87] (WO2023/175168)
[30] GB (2203745.1) 2022-03-17

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[13] A1
[51] **Int.Cl. B01J 4/00 (2006.01) B01J 19/24 (2006.01) C02F 1/72 (2006.01)**
[25] EN
[54] **WASTEWATER OXIDATION WITH HYDROGEN PEROXIDE INJECTED IN THE AIR-GAP OF A VESSEL**
[54] **OXYDATION D'EAUX USEES AVEC DU PEROXYDE D'HYDROGENE INJECTE DANS LA COUCHE D'AIR D'UNE CUVE**
[72] CHEN, WU, US
[72] ZHAO, LIN, US
[72] KAO, JEN-HSIANG, US
[72] UHL, MICHAEL E., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-08
[86] 2022-11-17 (PCT/US2022/080033)
[87] (WO2023/092000)
[30] US (63/280,842) 2021-11-18

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[13] A1
[51] **Int.Cl. C07C 2/36 (2006.01) C07C 2/34 (2006.01) C07C 11/02 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **OLIGOMERIZATION PROCESS**
[54] **PROCEDE D'OLIGOMERISATION**
[72] MACNEEL, EDWARD, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ BV, NL
[85] 2024-05-07
[86] 2021-12-01 (PCT/US2021/061402)
[87] (WO2023/101667)

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[13] A1
[51] **Int.Cl. H01M 50/593 (2021.01) H01M 50/107 (2021.01) H01M 50/124 (2021.01) H01M 50/179 (2021.01) H01M 50/188 (2021.01) H01M 50/342 (2021.01) H01M 50/538 (2021.01) H01M 50/55 (2021.01) H01M 50/559 (2021.01) H01M 50/586 (2021.01)**
[25] EN
[54] **CYLINDRICAL SECONDARY BATTERY, AND BATTERY PACK AND VEHICLE COMPRISING SAME**
[54] **BATTERIE SECONDAIRE CYLINDRIQUE, ET BLOC-BATTERIE ET VEHICULE LA COMPRENANT**
[72] HWANGBO, KWANG SU, KR
[72] KIM, DO GYUN, KR
[72] JO, MIN KI, KR
[72] KANG, BO HYUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-08
[86] 2023-01-31 (PCT/KR2023/001415)
[87] (WO2023/163400)
[30] KR (10-2022-0025919) 2022-02-28

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[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/00 (2006.01) A61F 13/38 (2006.01) A61F 13/40 (2006.01)**
[25] EN
[54] **INSTRUMENT FOR REMOVING A DEPOSIT FROM AN EYE AND RELATIVE DISPOSABLE KIT**
[54] **INSTRUMENT POUR RETIRER UN DEPOT D'UN OEIL ET KIT JETABLE ASSOCIE**
[72] PONTECORVO, CARMINE, IT
[71] IROMED GROUP S.R.L., IT
[71] GROUPADVANCE CONSULTING GMBH, CH
[85] 2024-05-08
[86] 2022-11-08 (PCT/IB2022/060714)
[87] (WO2023/079532)
[30] IT (102021000028352) 2021-11-08

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[13] A1
[51] **Int.Cl. H01M 8/04082 (2016.01) H01M 8/04276 (2016.01) H01M 8/18 (2006.01)**
[25] EN
[54] **CONDENSATION-BASED REDOX FLOW BATTERY REBALANCING**
[54] **REEQUILIBRAGE DE BATTERIE A FLUX REDOX A BASE DE CONDENSATION**
[72] SARAIDARIDIS, JAMES D., US
[72] YANG, ZHIWEI, US
[71] RTX CORPORATION, US
[85] 2024-05-07
[86] 2022-11-02 (PCT/US2022/048652)
[87] (WO2023/081177)
[30] US (17/521,238) 2021-11-08

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[13] A1
[51] **Int.Cl. G01S 11/02 (2010.01) H04B 17/27 (2015.01) H04B 17/318 (2015.01) H04W 4/021 (2018.01) H04W 4/80 (2018.01)**
[25] EN
[54] **A PROXIMITY STATUS OF EQUIPMENT**
[54] **ETAT DE PROXIMITE D'UN EQUIPEMENT**
[72] MCCORMICK, MICHAEL, AU
[71] SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD, AU
[85] 2024-05-08
[86] 2022-12-01 (PCT/IB2022/061643)
[87] (WO2023/100129)
[30] EP (21211664.4) 2021-12-01

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[13] A1
[51] **Int.Cl. A01N 37/46 (2006.01) A01N 43/56 (2006.01) A01N 43/82 (2006.01)**
[25] EN
[54] **FUNGICIDAL COMPOSITIONS**
[54] **COMPOSITIONS FONGICIDES**
[72] LOISELEUR, OLIVIER, CH
[72] WOLF, HANNO CHRISTIAN, CH
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-08
[86] 2022-11-17 (PCT/EP2022/082228)
[87] (WO2023/089007)
[30] EP (21209290.2) 2021-11-19

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[13] A1
[51] **Int.Cl. F03B 13/18 (2006.01)**
[25] EN
[54] **WAVE DRIVEN VARIABLE LEVERAGE PUMP FOR WATER DESALINATION**
[54] **POMPE A EFFET DE LEVIER VARIABLE ENTRAINEE PAR DES VAGUES DESTINEE AU DESSALEMENT DE L'EAU**
[72] TATE, JOSEPH B., US
[71] BLUEDESAL INC., US
[85] 2024-05-07
[86] 2022-11-07 (PCT/US2022/079402)
[87] (WO2023/081888)
[30] US (63/276,683) 2021-11-08

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[13] A1
[51] **Int.Cl. A61K 47/64 (2017.01) A61K 47/54 (2017.01) A61K 47/65 (2017.01) A61P 35/02 (2006.01) C08G 69/48 (2006.01)**
[25] EN
[54] **EPSILON-POLY-L-LYSINE-BASED DRUG CONJUGATE, INTERMEDIATE THEREOF, AND APPLICATION THEREOF**
[54] **CONJUGUE DE MEDICAMENT A BASE D'EPSILON-POLY-L-LYSINE, INTERMEDIAIRE DE CELUI-CI, ET SON APPLICATION**
[72] ZHANG, FUYAO, CN
[72] WAN, JIAXUN, CN
[72] HUANG, LEI, CN
[71] SHANGHAI BEST-LINK BIOSCIENCE, LLC, CN
[85] 2024-05-08
[86] 2022-11-08 (PCT/CN2022/130704)
[87] (WO2023/078464)
[30] CN (202111323754.7) 2021-11-08

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[13] A1
[51] **Int.Cl. A61D 19/04 (2006.01)**
[25] EN
[54] **EMBRYO COLLECTION DEVICE FOR COLLECTING EMBRYOS IN THE UTERINE HORN OF A SOW OR A GILT**
[54] **DISPOSITIF DE COLLECTE D'EMBRYONS POUR LA COLLECTE D'EMBRYONS DANS LA CORNE UTERINE D'UNE TRUIE OU D'UNE COCHETTE**
[72] GULBRANDSEN, BJORN, NO
[72] JOCHEMS, REINA, NO
[72] OROPEZA-MOE, MARIANNE, NO
[72] NES, SILJE KATRINE, NO
[72] ZAK, LOUISA JANE, NL
[71] NORSVIN SA, NO
[85] 2024-05-08
[86] 2022-11-11 (PCT/EP2022/081664)
[87] (WO2023/084047)
[30] NL (2029705) 2021-11-11

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[13] A1
[51] **Int.Cl. C01B 32/50 (2017.01) C01B 32/40 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENHANCED PETROLEUM PRODUCT RECOVERY**
[54] **SYSTEME ET PROCEDE DE RECUPERATION AMELIOREE DE PRODUIT PETROLIER**
[72] BANNISTER, FRANK, US
[72] TROST, PAUL, US
[72] HODGES, WILLIAM, US
[72] VARANI, FRED, US
[71] LION FUEL RESOURCES, LLC, US
[85] 2024-05-08
[86] 2022-11-15 (PCT/US2022/049961)
[87] (WO2023/091410)
[30] US (17/528,072) 2021-11-16

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[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 47/02 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] WATSON, SHAWN, GB
[72] SMETHURST, DOMINIC, GB
[72] UPADHYAYA, PUNIT, GB
[72] WITTY, DAVID, GB
[72] MCDONNELL, KEVIN, GB
[71] BICYCLETX LIMITED, GB
[85] 2024-05-08
[86] 2022-11-16 (PCT/GB2022/052903)
[87] (WO2023/089308)
[30] US (63/264,132) 2021-11-16

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[13] A1
[51] **Int.Cl. C09D 5/16 (2006.01) C09D 7/62 (2018.01) C09D 201/00 (2006.01)**
[25] EN
[54] **COMPOSITE PARTICLES FOR WATER-BASED COATING COMPOSITIONS**
[54] **PARTICULES COMPOSITES POUR COMPOSITIONS DE REVETEMENT A BASE D'EAU**
[72] LEWANE, JENNIFER E., US
[72] WASIL, MARK E., US
[72] KAZMIER, LUKE, US
[72] SUNJEVARIC, MILOS, US
[72] TURGIS, JEAN-DOMINIQUE, FR
[72] ROOK, TONY A., US
[71] SWIMC LLC, US
[85] 2024-05-08
[86] 2022-11-11 (PCT/US2022/079697)
[87] (WO2023/086924)
[30] US (63/278,558) 2021-11-12

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[13] A1
[51] **Int.Cl. E21B 17/07 (2006.01) F16D 3/64 (2006.01) F16D 3/74 (2006.01) F16D 3/76 (2006.01)**
[25] EN
[54] **SUB-ASSEMBLY, ROCK DRILLING RIG, AND METHOD OF ABSORBING VIBRATIONS IN DRILLING**
[54] **SOUS-ENSEMBLE, APPAREIL DE FORAGE DE ROCHE ET PROCEDE D'ABSORPTION DE VIBRATIONS DANS LE FORAGE**
[72] CHAVAN, VITTHAL, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[85] 2024-05-08
[86] 2022-12-02 (PCT/IN2022/051051)
[87] (WO2023/100198)
[30] IN (202121056140) 2021-12-03

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[13] A1
[51] **Int.Cl. B65D 5/38 (2006.01) B65D 85/10 (2006.01)**
[25] EN
[54] **A PACKET FOR SMOKING ARTICLES**
[54] **PAQUET POUR ARTICLES A FUMER**
[72] POLLONI, ROBERTO, IT
[72] MORINI, ANDREA, IT
[72] PARADISO, LUCA, IT
[72] GAMBERINI, GIULIANO, IT
[71] G.D S.P.A., IT
[85] 2024-05-08
[86] 2022-12-19 (PCT/IB2022/062458)
[87] (WO2023/119114)
[30] IT (102021000032198) 2021-12-22

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[13] A1
[51] **Int.Cl. C02F 3/10 (2006.01) C02F 1/00 (2006.01) C02F 3/00 (2006.01) C02F 3/02 (2006.01)**
[25] EN
[54] **STACKABLE WASTEWATER TREATMENT CHAMBERS AND INSTALLATION METHOD THEREOF**
[54] **CHAMBRES DE TRAITEMENT D'EAUX USEES EMPILABLES ET LEUR PROCEDE D'INSTALLATION**
[72] BOUCHER, BENOIT, CA
[72] FAVREAU BOUCHER, MARC-ANDRE, CA
[71] 11814192 CANADA INC., CA
[85] 2024-05-08
[86] 2022-10-06 (PCT/CA2022/051480)
[87] (WO2023/087096)
[30] US (63/264,414) 2021-11-22

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[13] A1
[51] **Int.Cl. B22F 3/10 (2006.01) B33Y 10/00 (2015.01) C22C 14/00 (2006.01) C22C 21/00 (2006.01) C22F 1/04 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **ULTRA-HIGH STRENGTH MULTIPHASE HIGH-ENTROPY ALLOYS**
[54] **ALLIAGES A HAUTE ENTROPIE MULTIPHASES A ULTRA-HAUTE RESISTANCE**
[72] ANDERSON, IVER E., US
[72] WHITE, EMMA MARIE HAMILTON, US
[72] JOHNSON, DUANE, US
[72] ARGIBAY, NICOLAS, US
[72] KUSTAS, ANDREW B., US
[72] CHANDROSS, MICHAEL, US
[72] PUCKETT, RAYMOND V., US
[71] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[71] NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC, US
[85] 2024-05-08
[86] 2022-11-21 (PCT/US2022/000029)
[87] (WO2023/091169)
[30] US (63/361,073) 2021-11-22

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[13] A1
[51] **Int.Cl. C07D 471/14 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01)**
[25] EN
[54] **CARBOLINE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES DE CARBOLINE ET LEUR UTILISATION**
[72] BAIAZITOV, RAMIL, US
[72] CAO, LIANGXIAN, US
[72] CHIERCHIA, MATTEO, US
[72] GILBERT, BRADLEY B., US
[72] JEON, WOOHYUNG, US
[72] MIKUS, MALTE, US
[72] MOON, YOUNG-CHOON, US
[72] POWERS, ZACHARY, US
[72] REN, HONGYU, US
[72] WANG, GANG, US
[72] ZHUO, JIN, US
[71] PTC THERAPEUTICS, INC., US
[85] 2024-05-08
[86] 2022-12-30 (PCT/US2022/082622)
[87] (WO2023/130070)
[30] US (63/295,844) 2021-12-31

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[13] A1
[51] **Int.Cl. H02B 1/28 (2006.01) H02B 1/56 (2006.01)**
[25] EN
[54] **ELECTRICAL PANELBOARD FOR POWER DISTRIBUTION INCLUDING A HEATSINK ASSEMBLY**
[54] **PANNEAU DE DISTRIBUTION ELECTRIQUE POUR DISTRIBUTION DE PUISSANCE COMPORTANT UN ENSEMBLE DISSIPATEUR THERMIQUE**
[72] DESAI, JAYRAM, IN
[72] DECARR, GRAIG E., US
[72] RADDELL, MICHAEL, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2024-05-08
[86] 2022-11-10 (PCT/EP2022/025505)
[87] (WO2023/083497)
[30] US (63/278,367) 2021-11-11

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[13] A1
[51] **Int.Cl. F03B 17/06 (2006.01) E02B 9/02 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR GENERATING ELECTRICITY FROM WATER FLOWING IN A RIVER**
[54] **APPAREIL POUR GENERER DE L'ELECTRICITE A PARTIR D'EAU S'ECOULANT DANS UN COURS D'EAU**
[72] HEAFITZ, BRUCE, US
[72] BAXLEY, WILLIAM EDWARD, US
[71] CHARYBDIS, LLC, US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/049267)
[87] (WO2023/081508)
[30] US (63/276,832) 2021-11-08
[30] US (17/982,894) 2022-11-08

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[13] A1
[51] **Int.Cl. A61B 17/43 (2006.01) A61D 19/02 (2006.01)**
[25] EN
[54] **FERTILITY KITS WITH STERILE SYRINGES AND COLLECTION JARS, METHOD OF STERILIZATION AND USE**
[54] **KITS DE FERTILITE DOTES DE SERINGUES STERILES ET DE CUVES DE COLLECTE, METHODE DE STERILISATION ET D'UTILISATION**
[72] WESTPHAL, JENNIFER, US
[72] WESTPHAL, RYAN, US
[71] PHERDAL-DBA OF NEXT LEVEL BIOINFORMATICS LLC, US
[85] 2024-05-08
[86] 2022-12-19 (PCT/US2022/053316)
[87] (WO2023/086683)
[30] US (17/526,705) 2021-11-15
[30] US (18/048,425) 2022-10-20

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[13] A1
[51] **Int.Cl. F16G 3/02 (2006.01)**
[25] EN
[54] **FASTENING SYSTEM FOR A CONVEYOR BELT**
[54] **SYSTEME DE FIXATION POUR UNE BANDE TRANSPORTEUSE**
[72] DEGROOT, MICHAEL HENDRIK, US
[72] NAZAR, GABRIEL, US
[72] HONEYCUTT, JR. JAMES R., US
[72] BATCHELDER, JEFF, US
[72] HULSHOF, GERKO, NL
[72] SPRENKELER, MARTIN, NL
[72] VU, KHOI, NL
[71] LAITRAM, L.L.C., US
[85] 2024-05-08
[86] 2022-11-23 (PCT/US2022/050856)
[87] (WO2023/096962)
[30] US (63/282,260) 2021-11-23

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[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/437 (2006.01) A61P 25/28 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **PLATELET-DERIVED GROWTH FACTOR RECEPTOR (PDGFR) ALPHA INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DU RECEPTEUR DU FACTEUR DE CROISSANCE DERIVE DES PLAQUETTES (PDGFR) ALPHA ET LEURS UTILISATIONS**
[72] MAGAVI, SANJAY SHIVAYOGI, US
[72] PARKS, DANIEL J., US
[72] TAIT, BRADLEY DEAN, US
[72] CHO, JINHYUNG, US
[72] AGRAWAL, RAJIV, US
[72] SHAW, PATRICIA R., US
[71] PROGENTOS THERAPEUTICS, INC., US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/079480)
[87] (WO2023/081923)
[30] US (63/277,145) 2021-11-08
[30] US (63/378,431) 2022-10-05

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[13] A1
[51] **Int.Cl. G10G 5/00 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE GUITAR STAND**
[54] **SUPPORT DE GUITARE PERSONNALISABLE**
[72] JACKSON, MONROE, US
[71] JACKSON, MONROE, US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/049201)
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[51] **Int.Cl. A47B 57/26 (2006.01) A47B 57/20 (2006.01)**
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[54] **ADJUSTABLE SHELVING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RAYONNAGE REGLABLE**
[72] CARLSON, MICHAEL HERMAN, US
[72] QUINN, THOMAS ANTHONY, US
[72] MILLER, JAMISON BURTON, US
[72] ALAN, GEOFF, CA
[72] CAMPOPIANO, LUCAS, DK
[72] HICKS, WILL, CA
[72] TOM, ALYIA, CA
[72] WIGHT, WILLIAM C., US
[72] GUTTMANN, JARED L., US
[71] CLEVERMADE, LLC, US
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[86] 2022-11-11 (PCT/US2022/049725)
[87] (WO2023/086586)
[30] US (63/263,997) 2021-11-12
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[51] **Int.Cl. A61B 5/24 (2021.01)**
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[54] **METHODS AND SYSTEMS FOR PHYSIOLOGICAL DETECTION AND ALERTING**
[54] **PROCEDES ET SYSTEMES DE DETECTION ET D'ALERTE PHYSIOLOGIQUES**
[72] SHAH, SAMYAK MEHUL, US
[72] CRONE, NATHAN E., US
[72] KRAUSS, GREGORY L., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2024-05-08
[86] 2022-11-30 (PCT/US2022/051365)
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[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **CONCEPTS FOR AURALIZATION USING EARLY REFLECTION PATTERNS**
[54] **CONCEPTS DE SIMULATION ELECTROACOUSTIQUE D'AMBIANCE SONORE A L'AIDE DE MODELES DE REFLEXION PRECOCES**
[72] SILZLE, ANDREAS, DE
[72] HERRE, JURGEN, DE
[72] ROSENBERGER, DENNIS, DE
[72] PAULUS, JOUNI, DE
[72] BORSS, CHRISTIAN, DE
[72] ADAMI, ALEXANDER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-08 (PCT/EP2022/081092)
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[30] EP (21207274.8) 2021-11-09

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[51] **Int.Cl. G01N 21/19 (2006.01) G06F 16/50 (2019.01) G01S 17/894 (2020.01) G06T 7/521 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD TO MATCH PARTS USING PATTERN RECOGNITION**
[54] **SYSTEME ET PROCEDE DE MISE EN CORRESPONDANCE DE PIECES A L'AIDE D'UNE RECONNAISSANCE DE MOTIF**
[72] MAZZIO, VICTOR F., US
[72] PATEL, KRUTARTH, US
[71] COMMUNICATIONS TEST DESIGN, INC., US
[85] 2024-05-08
[86] 2023-01-19 (PCT/US2023/011153)
[87] (WO2023/141214)
[30] US (63/300,703) 2022-01-19

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[51] **Int.Cl. E21B 29/02 (2006.01) E21B 23/04 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **GAS-GENERATING CHEMICAL HEATING MIXTURES AND DOWNHOLE TOOL ASSEMBLIES WITH CHEMICAL HEATERS EMPLOYING SUCH**
[54] **MELANGES DE CHAUFFAGE CHIMIQUE GENERATEURS DE GAZ ET ENSEMBLES OUTILS DE FOND DE PUITS COMPORTANT DES DISPOSITIFS DE CHAUFFAGE CHIMIQUE UTILISANT CEUX-CI**
[72] LEVCHENKO, ANDRE, GB
[72] CHANCELLOR, BOBBY, GB
[72] NAYLOR, MATTHEW, GB
[72] CLARK, BILLY, GB
[72] TALAPATRA, DIDHITI, GB
[72] CARRAGHER, PAUL, GB
[72] MOODY, MIKE, GB
[71] BISN TEC LTD, GB
[85] 2024-05-08
[86] 2022-11-10 (PCT/GB2022/052850)
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[30] GB (2116383.7) 2021-11-12

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[51] **Int.Cl. B29C 45/27 (2006.01) B29C 45/20 (2006.01) B29C 45/28 (2006.01)**
[25] EN
[54] **HOT-RUNNER ASSEMBLY WITH COMPACT ELECTRIC ACTUATOR**
[54] **ENSEMBLE CANAL CHAUFFANT A ACTIONNEUR ELECTRIQUE COMPACT**
[72] GREB, SCOTT, US
[72] JOERG, ANTON, DE
[72] STRIEGEL, CHRISTIAN, DE
[71] INCOE CORPORATION, US
[85] 2024-05-06
[86] 2022-11-07 (PCT/US2022/049113)
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[30] US (17/454,670) 2021-11-12

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[51] **Int.Cl. C09D 5/02 (2006.01) C09D 7/63 (2018.01) C09D 183/08 (2006.01)**
[25] EN
[54] **SURFACE GLOSS COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE BRILLANT DE SURFACE ET LEURS PROCEDES D'UTILISATION**
[72] MAHFOUZ, GRACE NABIL, US
[72] STACEY, CHRISTOPHER, US
[71] ENERGIZER AUTO, INC., US
[85] 2024-05-08
[86] 2022-11-14 (PCT/US2022/049770)
[87] (WO2023/086611)
[30] US (63/263,960) 2021-11-12

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[13] A1
[51] **Int.Cl. A61B 17/88 (2006.01)**
[25] EN
[54] **DEVICES AND SYSTEMS FOR PREPARING THERAPEUTIC PELLETS**
[54] **DISPOSITIFS ET SYSTEMES DE PREPARATION DE PASTILLES THERAPEUTIQUES**
[72] AUSTIN, WILLIAM BRIAN, US
[72] MCPHERSON, EDWARD J., US
[72] WASSEF, ANDREW J., US
[72] NOEL, SCOTT P., US
[72] MILLER, STEPHEN T., US
[71] AUSTIN MEDICAL VENTURES, INC., US
[85] 2024-05-08
[86] 2022-11-10 (PCT/US2022/049602)
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[30] US (63/278,269) 2021-11-11

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[13] A1
[51] **Int.Cl. F24F 1/0035 (2019.01) F24F 1/0022 (2019.01) F24F 1/0033 (2019.01) F24F 1/0047 (2019.01) F24F 1/0057 (2019.01) F24F 1/0063 (2019.01) F24F 3/06 (2006.01) F24F 5/00 (2006.01) F24F 7/013 (2006.01) F24F 12/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR CLIMATE-CONTROL OF INTERIOR SPACES OF A BUILDING**
[54] **SYSTEME DE CLIMATISATION D'ESPACES INTERIEURS D'UN BATIMENT**
[72] SCHECHNER, ALEXANDER, DE
[72] IHLE, GERHARD, DE
[72] KLAIBER, FELIX, DE
[72] FRANZOI, NICOLA, DE
[71] ENVOLA GMBH, DE
[85] 2024-05-07
[86] 2022-11-18 (PCT/EP2022/082493)
[87] (WO2023/089138)
[30] DE (10 2021 130 300.1) 2021-11-19
[30] DE (10 2022 109 804.4) 2022-04-22

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[51] **Int.Cl. A23L 7/10 (2016.01) A23L 19/00 (2016.01) A23L 19/10 (2016.01) A23L 19/18 (2016.01) A21D 13/04 (2017.01)**
[25] EN
[54] **PREMIX FOR FOOD PRODUCTS**
[54] **PREMELANGE POUR PRODUITS ALIMENTAIRES**
[72] GERROW, SHERRI LEE, CA
[71] MCCAIN FOODS LIMITED, CA
[85] 2024-05-08
[86] 2022-11-07 (PCT/CA2022/051646)
[87] (WO2023/081996)
[30] US (63/278,009) 2021-11-10

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[13] A1
[51] **Int.Cl. G21C 7/36 (2006.01) G21C 7/08 (2006.01) G21C 7/14 (2006.01) G21C 7/16 (2006.01)**
[25] EN
[54] **A REACTOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE REACTEUR**
[72] OWSTON, JEREMY HENRY, GB
[71] BAE SYSTEMS PLC, GB
[85] 2024-05-07
[86] 2022-11-09 (PCT/GB2022/052831)
[87] (WO2023/084204)
[30] GB (2116436.3) 2021-11-15

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[51] **Int.Cl. G06Q 50/10 (2012.01) G06T 19/00 (2011.01) H04N 13/332 (2018.01) G02B 27/01 (2006.01) G06F 3/01 (2006.01) G06T 15/00 (2011.01)**
[25] EN
[54] **METAVERSE CONTENT MODALITY MAPPING**
[54] **MAPPAGE DE MODALITES DE CONTENU DU METAVERS**
[72] MURPHY-CHUTORIAN, ERIK, US
[72] BUTKO, NICHOLAS, US
[72] EMRICH, THOMAS, US
[72] UDWIN, JOEL, US
[72] BENTON, RIGEL GARETH, US
[72] BARTSCHAT, CHRISTOPH MICHAEL, US
[71] NIANTIC, INC., US
[85] 2024-05-07
[86] 2022-11-07 (PCT/IB2022/060698)
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[30] US (63/277,163) 2021-11-08

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[13] A1
[51] **Int.Cl. E03B 1/04 (2006.01) E03C 1/00 (2006.01)**
[25] EN
[54] **WASTE WATER DIVERTER**
[54] **DEFLECTEUR D'EAUX USEES**
[72] DRECHSEL, FELIX KONSTANTIN, DE
[72] SCHAEFER, BEN, DE
[71] REVINCUS GMBH, DE
[85] 2024-05-03
[86] 2022-12-07 (PCT/EP2022/084748)
[87] (WO2023/104862)
[30] DE (10 2021 214 110.2) 2021-12-10

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[13] A1
[51] **Int.Cl. B02C 4/42 (2006.01) B02C 4/12 (2006.01) B02C 4/28 (2006.01)**
[25] EN
[54] **ECCENTRIC ROLLER CRUSHER**
[54] **BROYEUR A ROULEAUX EXCENTRIQUE**
[72] SZCZELINA, PIOTR, DE
[71] FLSMIDTH A/S, DK
[85] 2024-05-07
[86] 2022-11-18 (PCT/IB2022/061138)
[87] (WO2023/089552)
[30] DE (10 2021 213 035.6) 2021-11-19

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[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) G06Q 50/02 (2012.01) A01B 79/00 (2006.01) A01D 41/127 (2006.01)**
[25] EN
[54] **REAL-TIME AND HISTORICAL FARMING DATA DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE DONNEES AGRICOLES EN TEMPS REEL ET HISTORIQUES**
[72] ZICARI, SEAN, US
[72] MERTZ, ADAM, US
[72] TALKEN, RICK, US
[72] TATGE, JASON, US
[71] AGI SURETRACK LLC, US
[85] 2024-05-07
[86] 2022-03-15 (PCT/US2022/020375)
[87] (WO2023/091175)
[30] US (17/527,944) 2021-11-16

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[13] A1
[51] **Int.Cl. H04R 1/10 (2006.01)**
[25] EN
[54] **EARBUD SECURING DEVICE ASSEMBLY AND METHOD OF USE**
[54] **ENSEMBLE DISPOSITIF DE FIXATION D'ECOUTEUR BOUTON ET PROCEDE D'UTILISATION**
[72] ABRAHAMSON, MICHAEL, US
[71] ABRAHAMSON, MICHAEL, US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/049210)
[87] (WO2023/086316)
[30] US (63/278,738) 2021-11-12

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[13] A1
[51] **Int.Cl. D21H 17/28 (2006.01) D21H 21/18 (2006.01) D21H 23/04 (2006.01)**
[25] EN
[54] **TREATMENT SYSTEM AND METHOD FOR MANUFACTURE OF PAPER, BOARD OR THE LIKE**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT POUR FABRICATION DE PAPIER, DE CARTON OU ANALOGUE**
[72] HIETANIEMI, MATTI, FI
[72] KARPPI, ASKO, FI
[72] KORHONEN, MARKUS, FI
[72] SALAS, DIEGO, ES
[71] KEMIRA OYJ, FI
[85] 2024-05-08
[86] 2022-12-16 (PCT/FI2022/050842)
[87] (WO2023/111402)
[30] FI (20216295) 2021-12-17

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[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **LATE REVERBERATION DISTANCE ATTENUATION**
[54] **ATTENUATION DE DISTANCE DE REVERBERATION TARDIVE**
[72] SILZLE, ANDREAS, DE
[72] HERRE, JUERGEN, DE
[72] ERONEN, ANTTI, FI
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-08 (PCT/EP2022/081084)
[87] (WO2023/083788)
[30] EP (21207191.4) 2021-11-09

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[13] A1
[51] **Int.Cl. H05B 45/20 (2020.01) G02F 1/23 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **LIGHTING DEVICE**
[54] **DISPOSITIF D'ECLAIRAGE**
[72] PAULSEN, GARY, US
[72] BASKEN, DAVID, US
[72] MULLER, MATTHEW, US
[71] PAULSEN, GARY, US
[71] BASKEN, DAVID, US
[71] MULLER, MATTHEW, US
[85] 2024-05-08
[86] 2022-10-11 (PCT/US2022/077874)
[87] (WO2023/086714)
[30] US (63/278,680) 2021-11-12

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[13] A1
[51] **Int.Cl. E04G 3/22 (2006.01) E04G 7/34 (2006.01)**
[25] EN
[54] **SCAFFOLD DEVICE AND ASSEMBLY METHOD FOR SCAFFOLD DEVICE**
[54] **DISPOSITIF D'ECHAFAUDAGE ET PROCEDE D'ASSEMBLAGE POUR DISPOSITIF D'ECHAFAUDAGE**
[72] ONO, DAI, JP
[71] BRANDSAFWAY SERVICES LLC, US
[85] 2024-05-03
[86] 2022-09-22 (PCT/JP2022/035453)
[87] (WO2023/048252)
[30] JP (2021-154863) 2021-09-22

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[13] A1
[51] **Int.Cl. A47G 1/12 (2006.01) A47G 1/06 (2006.01)**
[25] EN
[54] **SECURE HOLDER FOR COLLECTIBLES**
[54] **ETUI SECURISE POUR ELEMENTS DE COLLECTION**
[72] SABIN, STEPHANIE, US
[72] OVEIDO, MICHAEL, US
[71] COLLECTORS UNIVERSE, INC., US
[85] 2024-05-07
[86] 2022-04-12 (PCT/US2022/024467)
[87] (WO2023/086123)
[30] US (17/522,895) 2021-11-09

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[13] A1
[51] **Int.Cl. G06Q 10/083 (2023.01) G06Q 10/06 (2023.01) B60L 58/12 (2019.01)**
[25] EN
[54] **MANAGEMENT OF OPERATIONS USING ELECTRIC VEHICLE DATA**
[54] **GESTION D'OPERATIONS A L'AIDE DE DONNEES DE VEHICULE ELECTRIQUE**
[72] MEDISETTY, UDAY KIRAN, US
[72] SRIVASTAVA, ANKIT, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2024-05-08
[86] 2022-09-14 (PCT/US2022/043500)
[87] (WO2023/086155)
[30] US (63/278,927) 2021-11-12
[30] US (17/943,370) 2022-09-13

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[13] A1
[51] **Int.Cl. C07D 213/70 (2006.01) C07D 213/71 (2006.01) C07D 213/85 (2006.01) C07D 231/56 (2006.01) C07D 237/18 (2006.01) C07D 239/38 (2006.01) C07D 241/18 (2006.01) C07D 249/18 (2006.01) C07D 277/36 (2006.01) C07D 277/56 (2006.01) C07D 307/16 (2006.01) C07D 309/08 (2006.01) C07D 311/76 (2006.01) C07D 317/62 (2006.01) C07D 333/34 (2006.01) C07D 333/38 (2006.01) C07D 333/62 (2006.01) C07D 401/04 (2006.01) C07D 405/04 (2006.01) C07D 409/04 (2006.01) C07D 413/04 (2006.01) C07D 487/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **SULFONAMIDE COMPOUNDS FOR THE TREATMENT OF NEUROLOGICAL CONDITIONS**
[54] **COMPOSES DE SULFONAMIDE POUR TRAITER DES AFFECTIONS NEUROLOGIQUES**
[72] STEINHAGEN, HENNING, DE
[72] PEVARELLO, PAOLO, IT
[72] CATALANI, MARIA PIA, IT
[71] LARIO THERAPEUTICS LIMITED, GB
[85] 2024-05-08
[86] 2022-11-25 (PCT/GB2022/053000)
[87] (WO2023/094830)
[30] GB (2117127.7) 2021-11-26

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[13] A1
[51] **Int.Cl. A61K 33/06 (2006.01) A61K 33/241 (2019.01) A61K 33/242 (2019.01) A61K 33/243 (2019.01) A61K 33/244 (2019.01) A61K 33/245 (2019.01) A61K 33/26 (2006.01) A61K 33/30 (2006.01) A61K 33/32 (2006.01) A61K 33/34 (2006.01) A61K 33/38 (2006.01) A61P 3/02 (2006.01)**
[25] EN
[54] **METHODS OF INCREASING BLOOD OXYGEN SATURATION**
[54] **METHODES POUR ACCROITRE LA SATURATION EN OXYGENE DU SANG**
[72] KRAMER, RONALD B., US
[72] NIKOLAIDIS, ALEXANDROS, GR
[71] THERMOLIFE INTERNATIONAL, LLC, US
[85] 2024-05-08
[86] 2021-11-12 (PCT/US2021/059267)
[87] (WO2022/104157)
[30] US (63/113,114) 2020-11-12
[30] US (63/232,852) 2021-08-13
[30] US (63/148,517) 2021-02-11

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[13] A1
[51] **Int.Cl. G06N 3/126 (2023.01) G06N 3/086 (2023.01)**
[25] EN
[54] **IMPLEMENTING OPERATING PARAMETERS IN INDUSTRIAL PROCESSES**
[54] **MISE EN ?UVRE DE PARAMETRES DE FONCTIONNEMENT DANS DES PROCESSUS INDUSTRIELS**
[72] AKAVIA, LIOR, IL
[72] AKAVIA, LIRAN, IL
[72] NARDI, YUVAL, IL
[72] ROSENBERG, YEHOSHUA, IL
[72] SCHERF, YARON, IL
[71] AUGURY SYSTEMS LTD., IL
[85] 2024-05-08
[86] 2022-11-08 (PCT/IL2022/051180)
[87] (WO2023/079562)
[30] US (63/276,930) 2021-11-08

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[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **BEVERAGE OR FOODSTUFF CONTAINER AND PREPARATION SYSTEM**
[54] **RECIPIENT POUR BOISSON OU ALIMENT ET SYSTEME DE PREPARATION**
[72] GERBER, GILLES, CH
[72] MURPHY AUDREY, VIRGINIE, CH
[72] PAVAN, CHIARA, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2024-05-08
[86] 2022-11-28 (PCT/EP2022/083410)
[87] (WO2023/099374)
[30] EP (21211705.5) 2021-12-01

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[13] A1
[51] **Int.Cl. G01S 13/06 (2006.01) G01S 17/894 (2020.01) G06V 10/22 (2022.01) G06V 10/44 (2022.01) G06V 10/82 (2022.01) G06V 20/10 (2022.01) G01C 11/04 (2006.01) G01S 3/782 (2006.01) G01S 13/89 (2006.01) G01S 15/06 (2006.01) G01S 15/89 (2006.01) G01S 17/08 (2006.01) G01S 17/89 (2020.01) G06T 7/60 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DRAFT CALCULATION**
[54] **SYSTEMES ET PROCEDES POUR CALCUL DE TIRANT D'EAU**
[72] MURCOTT, ROWAN, AU
[72] D'SOUZA, AIDAN, AU
[71] OMC INTERNATIONAL PTY LTD, AU
[85] 2024-05-08
[86] 2022-11-11 (PCT/AU2022/051352)
[87] (WO2023/081978)
[30] AU (2021903635) 2021-11-12

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01)**
[25] EN
[54] **OPTIMIZING GROWING PROCESS IN A HYBRID GROWING ENVIRONMENT USING COMPUTER VISION AND ARTIFICIAL INTELLIGENCE**
[54] **OPTIMISATION D'UN PROCESSUS DE CROISSANCE DANS UN ENVIRONNEMENT DE CULTURE HYBRIDE AU MOYEN DE LA VISION PAR ORDINATEUR (CV) ET DE L'INTELLIGENCE ARTIFICIELLE (AI)**
[72] NGUYEN, BRYAN B., US
[72] VOSBURG, DAVE, US
[72] FRANCIS, ALEXANDER, US
[72] SWANSON, SETH, US
[72] CROSBY, KATE, US
[71] LOCAL BOUNTI OPERATING COMPANY, LLC, US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/049275)
[87] (WO2023/081511)
[30] US (63/277,028) 2021-11-08
[30] US (17/982,631) 2022-11-08

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **AUDIO DECODER, AUDIO ENCODER, METHOD FOR DECODING, METHOD FOR ENCODING AND BITSTREAM, USING A PLURALITY OF PACKETS, THE PACKETS COMPRISING ONE OR MORE SCENE CONFIGURATION PACKETS AND ONE OR MORE SCENE UPDATE PACKETS WITH OF ONE OR MORE UPDATE CONDITION**
[54] **DECODEUR AUDIO, ENCODEUR AUDIO, PROCEDE DE DECODAGE, PROCEDE D'ENCODAGE ET TRAIN DE BITS, A L'AIDE D'UNE PLURALITE DE PAQUETS, LES PAQUETS COMPRENANT UN OU PLUSIEURS PAQUETS DE CONFIGURATION DE SCENE ET UN OU PLUSIEURS PAQUETS DE MISE A JOUR DE SCENE AYANT UNE OU PLUSIEURS CONDITIONS DE MISE A JOUR**
[72] DISCH, SASCHA, DE
[72] SCHWAR, SIMON, DE
[72] HASSAN, KAHLEEL PORTER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-09 (PCT/EP2022/081370)
[87] (WO2023/083918)
[30] EP (21207341.5) 2021-11-09

[21] **3,237,728**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **FIELD ATTACHABLE AND PRESSURE TESTABLE COUPLING FOR METAL-TO-METAL MOTOR LEAD EXTENSIONS**
[54] **ACCOUPLEMENT APTE A ETRE FIXE SUR LE TERRAIN ET APTE A ETRE TESTE EN PRESSION POUR EXTENSIONS DE FIL DE MOTEUR METAL-METAL**
[72] WILCOX, SPENCER, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2024-05-08
[86] 2022-11-18 (PCT/US2022/080147)
[87] (WO2023/092074)
[30] US (17/531,564) 2021-11-19

[21] **3,237,729**
[13] A1
[51] **Int.Cl. G06N 3/082 (2023.01) G06N 3/04 (2023.01)**
[25] EN
[54] **DATA FREE NEURAL NETWORK PRUNING**
[54] **ELAGAGE DE RESEAU NEURONAL EXEMPT DE DONNEES**
[72] FERIANC, MARTIN, CA
[72] SANKARAN, ANUSH, CA
[72] MASTROPIETRO, OLIVIER, CA
[72] SABOORI, EHSAN, CA
[72] SAWYER, DAVIS MANGAN, CA
[71] DEEPLITE INC., CA
[85] 2024-05-08
[86] 2022-11-10 (PCT/CA2022/051660)
[87] (WO2023/082004)
[30] US (63/278,252) 2021-11-11

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **CARRIER**
[54] **SUPPORT**
[72] SPITS, DANIEL ALFONS AUGUSTA, BE
[72] KOPASZEWSKI, SYLWESTER, BE
[71] EVOSTORE B.V., BE
[85] 2024-05-08
[86] 2022-11-16 (PCT/IB2022/061026)
[87] (WO2023/089493)
[30] BE (2021/5884) 2021-11-16
[30] BE (2021/5885) 2021-11-16

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[13] A1
[51] **Int.Cl. G10K 15/08 (2006.01) H04S 7/00 (2006.01)**
[25] EN
[54] **EARLY REFLECTION PATTERN GENERATION CONCEPT FOR AURALIZATION**
[54] **CONCEPT DE GENERATION DE MODELE DE REFLEXION PRECOCE POUR LA SIMULATION ELECTROACOUSTIQUE D'AMBIANCE SONORE**
[72] SILZLE, ANDREAS, DE
[72] HERRE, JURGEN, DE
[72] ROSENBERGER, DENNIS, DE
[72] PAULUS, JOUNI, DE
[72] BORSS, CHRISTIAN, DE
[72] ADAMI, ALEXANDER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-08 (PCT/EP2022/081090)
[87] (WO2023/083791)
[30] EP (21207273.0) 2021-11-09

[21] **3,237,732**
[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A61K 36/00 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **COMBINATORIAL THERAPEUTIC APPROACH FOR FRIEDREICH'S ATAXIA**
[54] **APPROCHE THERAPEUTIQUE COMBINATOIRE POUR L'ATAXIE DE FRIEDREICH**
[72] CHANDRAN, VIJAYENDRAN, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2024-05-08
[86] 2022-11-28 (PCT/US2022/080481)
[87] (WO2023/102344)
[30] US (63/284,777) 2021-12-01

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[13] A1
[51] **Int.Cl. B01D 61/14 (2006.01) B01D 65/02 (2006.01) C02F 1/28 (2006.01) C02F 1/44 (2006.01) C02F 1/68 (2006.01) E03B 3/02 (2006.01)**
[25] EN
[54] **WATER TREATMENT SYSTEM AND WATER TREATMENT METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DES EAUX**
[72] VAN HECKE, TON, NL
[71] D2D WATER SOLUTIONS B.V., NL
[85] 2024-05-08
[86] 2022-11-11 (PCT/NL2022/050646)
[87] (WO2023/085936)
[30] NL (2029718) 2021-11-11

[21] **3,237,734**
[13] A1
[51] **Int.Cl. G01N 17/02 (2006.01)**
[25] FR
[54] **METHOD FOR EVALUATING THE CORROSION RESISTANCE OF A SURFACE**
[54] **PROCEDE D'EVALUATION DE LA RESISTANCE A LA CORROSION D'UNE SURFACE**
[72] JACOBONI, ALEX, FR
[71] SAFRAN LANDING SYSTEMS, FR
[85] 2024-05-08
[86] 2022-11-15 (PCT/EP2022/081976)
[87] (WO2023/088890)
[30] FR (FR2112171) 2021-11-17

[21] **3,237,735**
[13] A1
[51] **Int.Cl. G01S 13/90 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **SATELLITE OPERATIONS**
[54] **OPERATIONS PAR SATELLITE**
[72] LAURILA, PEKKA TUOMAS, FI
[71] ICEYE OY, FI
[85] 2024-05-08
[86] 2022-11-10 (PCT/EP2022/081544)
[87] (WO2023/094175)
[30] GB (2116902.4) 2021-11-24

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[13] A1
[51] **Int.Cl. G10L 19/02 (2013.01) G10L 19/008 (2013.01) G10L 19/16 (2013.01)**
[25] EN
[54] **AUDIO DECODER, AUDIO ENCODER, METHOD FOR DECODING, METHOD FOR ENCODING AND BITSTREAM, USING SCENE CONFIGURATION PACKET A CELL INFORMATION DEFINES AN ASSOCIATION BETWEEN THE ONE OR MORE CELLS AND RESPECTIVE ONE OR MORE DATA STRUCTURES**
[54] **DECODEUR AUDIO, CODEUR AUDIO, PROCEDE DE DECODAGE, PROCEDE DE CODAGE ET DE TRAIN DE BITS, UTILISANT UN PAQUET DE CONFIGURATION DE SCENE, DES INFORMATIONS DE CELLULE DEFINISSANT UNE ASSOCIATION ENTRE LA OU LES CELLULES ET UNE OU PLUSIEURS STRUCTURES DE DONNEES RESPECTIVE**
[72] DISCH, SASCHA, DE
[72] SCHWAER, SIMON, DE
[72] HASSAN, KAHLEEL PORTER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-09 (PCT/EP2022/081373)
[87] (WO2023/083921)
[30] EP (21207343.1) 2021-11-09

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[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/201 (2006.01) A61K 31/352 (2006.01) A61K 31/573 (2006.01) A61K 31/60 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CANNABINOID AND OMEGA FATTY ACID COMPOSITIONS AND METHODS OF USING**
[54] **COMPOSITIONS DE CANNABINOIDES ET D'ACIDES GRAS OMEGA ET LEURS METHODES D'UTILISATION**
[72] ALTMAN, ELLIOT, US
[72] FULLER, MATTHEW, US
[72] ALSAIF, GHEDA, US
[72] SMITH, SHANNON, US
[72] MAYNARD, KAREN, US
[72] FARONE, ANTHONY, US
[71] GREENWAY HERBAL PRODUCTS, LLC, US
[85] 2024-05-08
[86] 2023-02-03 (PCT/US2023/061944)
[87] (WO2024/059353)
[30] US (17/931,249) 2022-09-12
[30] US (18/164,044) 2023-02-03

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[13] A1
[51] **Int.Cl. G16B 30/10 (2019.01) G16B 20/10 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DISCOVERY OF NON-EMBEDDED TARGET GENES**
[54] **PROCEDES ET SYSTEMES DE DECOUVERTE DE GENES CIBLES NON INTEGRES**
[72] HADJITHOMAS, MICHALIS, US
[72] KIM, JINWOO, US
[72] THEOBALD, SEBASTIAN, US
[72] WYKA, STEPHEN ANDREW, US
[72] MCFADYEN, IAIN JAMES, US
[72] VERDINE, GREG, US
[71] LIFEMINE THERAPEUTICS, INC., US
[85] 2024-05-08
[86] 2022-11-15 (PCT/US2022/079965)
[87] (WO2023/091950)
[30] US (63/264,150) 2021-11-16

[21] **3,237,739**
[13] A1
[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) H04L 9/00 (2022.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS OF USING BLOCKCHAIN FOR TRACKING PATIENT IDENTIFICATION**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'UTILISATION DE CHAINE DE BLOCS POUR SUIVRE UNE IDENTIFICATION DE PATIENT**
[72] BIROLINI, LUCA, US
[72] SCHULLIAN, JOHN M., US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-05-08
[86] 2022-11-04 (PCT/US2022/048915)
[87] (WO2023/086270)
[30] US (63/279,015) 2021-11-12

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[13] A1
[51] **Int.Cl. C08G 18/00 (2006.01) C08G 18/08 (2006.01) C08G 18/10 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/48 (2006.01) C08G 18/76 (2006.01) C08K 9/06 (2006.01) C08K 3/22 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT**
[72] MA, LIANG, CN
[72] MA, CHAO, CN
[72] ZHAO, KE, CN
[72] ZHAO, YONGQIANG, CN
[72] SONG, YINGYING, CN
[72] ZHOU, HONGYING, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2024-05-08
[86] 2022-12-02 (PCT/US2022/080817)
[87] (WO2023/102525)
[30] US (63/285,400) 2021-12-02

[21] **3,237,741**
[13] A1
[51] **Int.Cl. A61L 24/00 (2006.01) A61L 24/02 (2006.01)**
[25] EN
[54] **VASCULAR EMBOLIC AGENT, METHOD FOR PREPARING SAME AND USE THEREOF**
[54] **AGENT EMBOLIQUE VASCULAIRE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] SHAN, HONG, CN
[72] PENG, XIN, CN
[72] LIU, MENGHUI, CN
[71] THE FIFTH AFFILIATED HOSPITAL SUN YAT-SEN UNIVERSITY, CN
[85] 2024-05-08
[86] 2023-08-21 (PCT/CN2023/114026)
[87] (WO2024/041484)
[30] CN (202211019192.1) 2022-08-24

[21] **3,237,742**
[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01)**
[25] EN
[54] **SOUND PROCESSING APPARATUS, DECODER, ENCODER, BITSTREAM AND CORRESPONDING METHODS**
[54] **APPAREIL DE TRAITEMENT DE SON, DECODEUR, CODEUR, TRAIN DE BITS ET PROCEDES CORRESPONDANTS**
[72] HERRE, JURGEN, DE
[72] SILZLE, ANDREAS, DE
[72] PETERS, NILS, DE
[72] GEIER, MATTHIAS, DE
[72] BORSS, CHRISTIAN, DE
[72] ROSENBERGER, DENNIS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2024-05-08
[86] 2022-11-08 (PCT/EP2022/081065)
[87] (WO2023/083780)
[30] EP (21207255.7) 2021-11-09

[21] **3,237,743**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 51/04 (2006.01)**
[25] EN
[54] **LIGAND COMPOUND TARGETING PSMA ANTIGEN, AND CHELATE AND USE THEREOF IN DIAGNOSIS AND TREATMENT OF PROSTATE CANCER**
[54] **COMPOSE LIGAND CIBLANT L'ANTIGENE PSMA, CHELATE ET LEUR UTILISATION POUR DIAGNOSTIQUER ET TRAITER LE CANCER DE LA PROSTATE**
[72] ZHONG, ZHIYUAN, CN
[72] YUAN, JIANDONG, CN
[72] YANG, JIANGTAO, CN
[72] HUANGFU, ZHENYUAN, CN
[72] SUN, JUAN, CN
[72] XU, BIN, CN
[72] TAO, LEI, CN
[71] SUZHOU RUIHE MEDICINE TECHNOLOGY CO., LTD, CN
[85] 2024-05-08
[86] 2022-11-09 (PCT/CN2022/130833)
[87] (WO2023/083209)
[30] CN (202111329108.1) 2021-11-10

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[13] A1
[51] **Int.Cl. A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 273/00 (2006.01)**
[25] EN
[54] **USP9X INHIBITORS**
[54] **INHIBITEURS DE L'USP9X**
[72] MARTINELLI, RICHARD, US
[72] BOND, JULIAN F., US
[71] PRODEG, LLC, US
[85] 2024-05-08
[86] 2022-11-16 (PCT/US2022/050069)
[87] (WO2023/091464)
[30] US (63/279,783) 2021-11-16

[21] **3,237,745**
[13] A1
[51] **Int.Cl. C10M 171/06 (2006.01) C10M 169/02 (2006.01)**
[25] EN
[54] **HIGH-TEMPERATURE GREASE**
[54] **GRAISSE A HAUTE TEMPERATURE**
[72] KILTHAU, THOMAS, DE
[72] SCHWEIGKOFLER, MARTIN, DE
[72] SCHMIDT-AMELUNXEN, MARTIN, DE
[72] EGERSDORFER, KARL, DE
[72] LODERER, DIRK, DE
[72] KRAUCH, TILMANN, DE
[71] KLUEBER LUBRICATION MUENCHEN GMBH & CO. KG, DE
[85] 2024-05-08
[86] 2022-11-21 (PCT/EP2022/082623)
[87] (WO2023/094321)
[30] DE (10 2021 130 746.5) 2021-11-24
[30] EP (21210197.6) 2021-11-24

[21] **3,237,746**
[13] A1
[51] **Int.Cl. G06T 7/11 (2017.01) G06V 10/25 (2022.01) G06Q 50/04 (2012.01) G06V 10/22 (2022.01) G06F 18/24 (2023.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR GRADING DEVICES**
[54] **PROCEDES ET SYSTEMES POUR CLASSER DES DISPOSITIFS**
[72] PARSONS, MARK, US
[71] COMMUNICATIONS TEST DESIGN, INC., US
[85] 2024-05-08
[86] 2022-11-02 (PCT/US2022/048690)
[87] (WO2023/091303)
[30] US (63/280,449) 2021-11-17
[30] US (17/955,837) 2022-09-29

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL MICROELECTRONICS FIBERS AS IMPLANTABLE BIOELECTRONIC INTERFACES**
[54] **FIBRES MICROELECTRONIQUES MULTIFONCTIONNELLES EN TANT QU'INTERFACES BIOELECTRONIQUES IMPLANTABLES**
[72] ANIKEEVA, POLINA OLEGOVNA, US
[72] SAHASRABUDHE, ATHARVA, US
[72] RUPPRECHT, LAURA, US
[72] KHUDIYEV, TURAL, US
[72] BOHORQUEZ, DIEGO, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2024-05-08
[86] 2022-11-16 (PCT/US2022/079951)
[87] (WO2023/091939)
[30] US (63/279,860) 2021-11-16

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) C12N 15/113 (2010.01) A61K 35/19 (2015.01) A61K 9/51 (2006.01) C12N 15/11 (2006.01) A61K 38/46 (2006.01)**
[25] EN
[54] **BIOMARKERS OF MEGAKARYOCYTE-DERIVED EXTRACELLULAR VESICLES**
[54] **BIOMARQUEURS DE VESICULES EXTRACELLULAIRES DERIVEES DE MEGACARYOCYTES**
[72] THON, JONATHAN, US
[72] BODE, DANIEL, US
[72] GOLDBERG, LAURA, US
[71] STRM.BIO INCORPORATED, US
[85] 2024-05-08
[86] 2022-11-11 (PCT/US2022/049737)
[87] (WO2023/086595)
[30] US (63/278,378) 2021-11-11
[30] US (63/380,576) 2022-10-23
[30] US (63/335,181) 2022-04-26

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[13] A1
[51] **Int.Cl. C01B 3/32 (2006.01) C01B 3/36 (2006.01) C10G 2/00 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **FUEL GENERATION SYSTEM AND PROCESS**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D?UN COMBUSTIBLE**
[72] LOVSTAD, RUNE, NO
[72] RYTTER, ERLING, NO
[72] BRINGEDAL, BJORN, NO
[71] NORDIC ELECTROFUEL AS, NO
[85] 2024-05-08
[86] 2022-11-02 (PCT/EP2022/080525)
[87] (WO2023/083661)
[30] GB (2116072.6) 2021-11-09

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[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 35/741 (2015.01) A61K 35/744 (2015.01)**
[25] EN
[54] **MICROBIAL COMPOSITIONS FOR THE TREATMENT OF SKIN DISEASES**
[54] **COMPOSITIONS MICROBIENNES POUR TRAITEMENT DE MALADIES CUTANEES**
[72] KEHE, JARED, US
[72] CERVANTES, BERNARDO, US
[72] ACKERMAN, CHERI, US
[72] HASSABALLAH, ABDULRAHMAN, US
[72] ARMENTROUT, KEATON, US
[71] CONCERTO BIOSCIENCES, INC., US
[85] 2024-05-08
[86] 2022-11-10 (PCT/US2022/079637)
[87] (WO2023/086883)
[30] US (63/278,134) 2021-11-11

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61P 3/04 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **IONIC LIQUID COMPOSITIONS**
[54] **COMPOSITIONS LIQUIDES IONIQUES**
[72] BROWN, TYLER, US
[72] IBSEN, KELLY, US
[71] I2O THERAPEUTICS, INC., US
[85] 2024-05-08
[86] 2022-11-10 (PCT/US2022/049585)
[87] (WO2023/086499)
[30] US (63/277,878) 2021-11-10
[30] US (63/295,197) 2021-12-30
[30] US (63/334,410) 2022-04-25
[30] US (63/380,125) 2022-10-19

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[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) A61B 10/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINATION OF THE WINDOW OF IMPLANTATION**
[54] **PROCEDE DE DETERMINATION DE FENETRE D'IMPLANTATION**
[72] RODRIGUEZ DE LA VEGA OTAZO, MONICA, ES
[72] GALLART AGUT, ROGER, ES
[72] CARBONELL SOCIAS, MELCHOR, ES
[72] HERRERO GARCIA, JULIO, ES
[72] ARTILES MARTINEZ, LUIS MANUEL, ES
[72] TEIXIDO TROYANO, ANNA, ES
[71] MANINA MEDTECH, S.L., ES
[71] FUNDACIO HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA, ES
[85] 2024-05-08
[86] 2022-11-11 (PCT/EP2022/081633)
[87] (WO2023/084030)
[30] EP (21383030.0) 2021-11-12

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[13] A1
[51] **Int.Cl. C10G 9/36 (2006.01) C10G 9/16 (2006.01) C10G 9/20 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR STEAM CRACKING HYDROCARBON FEEDS**
[54] **PROCEDES ET SYSTEMES DE VAPOCRAQUAGE DE CHARGES D'HYDROCARBURES**
[72] ROONEY, MARK A., US
[72] SPICER, DAVID, US
[72] LE ROY, PHILIPPE J., FR
[72] STEPHENS, GEORGE, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2024-05-08
[86] 2022-11-18 (PCT/US2022/080171)
[87] (WO2023/107815)
[30] US (63/286,377) 2021-12-06

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C07K 14/715 (2006.01)**
[25] EN
[54] **ENGINEERED T CELLS WITH REDUCED TGF-BETA RECEPTOR SIGNALING**
[54] **LYMPHOCYTES T MODIFIES AYANT UNE SIGNALISATION DE RECEPTEUR TGF-BETA REDUITE**
[72] TUBB, VANESSA M., NL
[72] VAN HEIJST, JEROEN W.J., NL
[72] BENDLE, GAVIN M., NL
[71] NEOGENE THERAPEUTICS B.V., NL
[85] 2024-05-08
[86] 2022-11-14 (PCT/EP2022/081759)
[87] (WO2023/084073)
[30] US (63/279,551) 2021-11-15
[30] US (63/337,091) 2022-04-30

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[13] A1
[51] **Int.Cl. G21G 1/12 (2006.01)**
[25] EN
[54] **PRODUCING AC-225 USING GAMMA RADIATION**
[54] **PRODUCTION D'AC-225 A L'AIDE D'UN RAYONNEMENT GAMMA**
[72] HEIBEL, MICHAEL D., US
[72] LOPRESTI, BRIAN J., US
[72] CONGEDO, THOMAS V., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCA..., US
[85] 2024-05-08
[86] 2022-11-07 (PCT/US2022/079372)
[87] (WO2023/086762)
[30] US (63/263,854) 2021-11-10

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[13] A1
[51] **Int.Cl. C07D 487/14 (2006.01) C07D 471/14 (2006.01)**
[25] EN
[54] **WEE1 PROTEIN KINASE DEGRADATION AGENT AND USE THEREOF**
[54] **AGENT DE DEGRADATION DE PROTEINE KINASE WEE1 ET SON UTILISATION**
[72] FU, LIQIANG, CN
[72] KONG, LINGLONG, CN
[72] LU, GANG, US
[72] XIA, YIFENG, US
[72] LU, CHIN-CHUN, US
[71] HANGZHOU GLUBIO PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-08
[86] 2022-11-08 (PCT/CN2022/130700)
[87] (WO2023/083194)
[30] CN (202111322616.7) 2021-11-09
[30] CN (202210360177.7) 2022-04-06

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[51] **Int.Cl. H04W 74/08 (2024.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR UE INITIATED COT FOR MULTI-CHANNEL FRAME BASED EQUIPMENT**
[54] **PROCEDE ET APPAREIL POUR COT INITIE PAR UE POUR EQUIPEMENT A BASE DE TRAME A CANAUX MULTIPLES**
[72] CALCEV, GEORGE, US
[72] XIAO, WEIMIN, US
[72] CLASSON, BRIAN, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2024-05-08
[86] 2022-11-03 (PCT/US2022/048833)
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[30] US (63/277,964) 2021-11-10

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[51] **Int.Cl. A61K 31/7056 (2006.01) A61K 45/06 (2006.01) A61P 31/22 (2006.01)**
[25] EN
[54] **USE OF MARIBAVIR FOR THE TREATMENT OF AND TREATMENT REGIMENS THEREOF**
[54] **UTILISATION DE MARIBAVIR A DES FINS DE TRAITEMENT ET REGIMES DE TRAITEMENT ASSOCIES**
[72] SONG, HENG, US
[72] SUN, KEFENG, US
[72] CROUTHAMEL, MATTHEW, US
[72] CHEN, GRACE, US
[72] ZHU, ANDY Z.X., US
[72] MICHON, INGRID NICOLLE, US
[72] BURT, HOWARD JAMES, US
[72] BARTER, ZOE ELIZABETH, US
[72] NEUHOFF, SIBYLLE, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2024-05-08
[86] 2022-11-18 (PCT/US2022/050341)
[87] (WO2023/091625)
[30] US (63/281,206) 2021-11-19

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[51] **Int.Cl. E04B 1/04 (2006.01) E01D 2/02 (2006.01)**
[25] EN
[54] **CONCRETE SLAB CONSTRUCTION HAVING A JOINING ELEMENT MADE OF CONCRETE FOR JOINING CONCRETE SLABS TOGETHER, AND METHOD FOR FABRICATING A CONCRETE SLAB CONSTRUCTION**
[54] **CONSTRUCTION DE DALLE DE BETON COMPRENANT UN ELEMENT D'ASSEMBLAGE EN BETON POUR ASSEMBLER DES DALLES DE BETON ET PROCEDE DE FABRICATION D'UNE CONSTRUCTION DE DALLE DE BETON**
[72] KURATH-GROLLMANN, JOSEF PETER, CH
[71] CPC AG, CH
[85] 2024-05-08
[86] 2022-11-17 (PCT/EP2022/082329)
[87] (WO2023/089058)
[30] EP (PCT/EP2021/082029) 2021-11-17

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[51] **Int.Cl. C07D 405/04 (2006.01) A61K 31/4433 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **FUSED HETEROCYCLIC COMPOUNDS AS PI3KALPHA INHIBITORS**
[54] **COMPOSES HETEROCYCLIQUES CONDENSES UTILISES EN TANT QU'INHIBITEURS DE PI3KALPHA**
[72] HAO, XIAOLIN, US
[72] LEI, YONGHUA, CN
[71] NANJING ZENSHINE PHARMACEUTICALS CO., LTD., CN
[85] 2024-05-08
[86] 2022-12-07 (PCT/CN2022/137307)
[87] (WO2023/104111)
[30] CN (PCT/CN2021/136336) 2021-12-08
[30] CN (PCT/CN2022/095857) 2022-05-30
[30] CN (PCT/CN2022/123120) 2022-09-30

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[51] **Int.Cl. A61B 18/14 (2006.01) A61B 34/10 (2016.01) A61B 34/30 (2016.01) G09B 23/28 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIAGNOSING AND TREATING BIOLOGICAL RHYTHM DISORDERS**
[54] **SYSTEME ET PROCEDE DE DIAGNOSTIC ET DE TRAITEMENT DE TROUBLES DU RYTHME BIOLOGIQUE**
[72] NARAYAN, SANJIV M., US
[72] RODRIGO BORT, MIGUEL, US
[72] ALHUSSEINI, MAHMOOD I., US
[71] PHYSCADE, INC., US
[85] 2024-05-08
[86] 2022-05-17 (PCT/US2022/029630)
[87] (WO2023/096666)
[30] US (63/283,901) 2021-11-29

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[51] **Int.Cl. C07D 223/16 (2006.01) C07D 403/04 (2006.01) C07D 405/12 (2006.01) C07D 413/04 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **1H-BENZO[B]AZEPIN-2(3H)-ONE COMPOUNDS, COMPOSITIONS AND METHODS OF TREATING CANCER**
[54] **COMPOSES 1H-BENZO[B]AZEPIN-2(3H)-ONE, COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER**
[72] YANG, DUN, CN
[72] HUANG, JIAN, CN
[72] ZHANG, JING, CN
[72] ZHANG, SHENQIU, GB
[72] ALLEN, THADDEUS, US
[72] SHI, QIONG, CN
[72] NIMISHETTI, NAGANNA, CN
[72] LI, CHENGLIANG, CN
[72] ZHONG, LINSHENG, CN
[72] LI, HONGMEI, CN
[72] YANG, CHENGLU, CN
[71] CHENGDU ANTICANCER BIOSCIENCE, LTD., CN
[85] 2024-05-08
[86] 2022-11-18 (PCT/CN2022/132831)
[87] (WO2023/088420)
[30] CN (PCT/CN2021/131734) 2021-11-19
[30] CN (PCT/CN2022/105673) 2022-07-14

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[51] **Int.Cl. A23L 5/10 (2016.01) A23L 7/113 (2016.01) A23L 7/196 (2016.01) A23L 33/10 (2016.01)**
[25] EN
[54] **BOIL OVER REDUCTION COMPOSITIONS FOR MICROWAVE COOKING**
[54] **COMPOSITIONS DE REDUCTION DU DEBORDEMENT POUR CUISSON AU FOUR A MICRO-ONDE**
[72] DARLING, COLBY, US
[72] VILLWOCK, VICTOR KURTIS, US
[72] WALDHAUSER, MICHELLE, US
[71] GENERAL MILLS, INC., US
[85] 2024-05-07
[86] 2022-10-27 (PCT/US2022/047993)
[87] (WO2023/086211)
[30] US (63/278,279) 2021-11-11

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[51] **Int.Cl. E21B 47/24 (2012.01) E21B 47/20 (2012.01) E21B 47/22 (2012.01) E21B 47/12 (2012.01) E21B 47/14 (2006.01) E21B 47/18 (2012.01) E21B 34/00 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **PULSER CYCLE SWEEP METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE BALAYAGE DE CYCLE DE GENERATEUR D'IMPULSIONS**
[72] WEBER, ROBERT, US
[72] GOPALAN, MANOJ, US
[71] RIME DOWNHOLE TECHNOLOGIES, LLC, US
[85] 2024-05-07
[86] 2022-11-18 (PCT/US2022/080129)
[87] (WO2023/092061)
[30] US (63/264,347) 2021-11-19
[30] US (17/555,446) 2021-12-18

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[13] A1
[51] **Int.Cl. B01J 31/18 (2006.01) B01J 31/14 (2006.01)**
[25] EN
[54] **CHROMIUM BICYCLIC PHOSPHINYL AMIDINE COMPLEXES FOR TETRAMERIZATION OF ETHYLENE**
[54] **COMPLEXES PHOSPHINYL AMIDINE BICYCLIQUES DE CHROME POUR LA TETRAMERISATION DE L'ETHYLENE**
[72] BISCHOF, STEVEN, US
[72] SYDORA, ORSON L., US
[72] ESS, DANIEL H., US
[72] KILGORE, URIAH J., US
[72] KWON, DOO-HYUN, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2024-05-07
[86] 2022-11-08 (PCT/US2022/079498)
[87] (WO2023/081931)
[30] US (17/521,505) 2021-11-08

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[51] **Int.Cl. C12G 3/06 (2006.01) C12G 3/04 (2019.01)**
[25] EN
[54] **AGAVE SPIRIT REPLICAS**
[54] **REPLIQUES DE SPIRITUEUX D'AGAVE**
[72] BAKER, LUCAS, US
[72] ISAACSON, SOLOMON ELI, US
[72] CHUA, MARDONN CARL, US
[72] SMITH, LINDSAY LORETTA, US
[71] AVA FOOD LABS, INC., US
[85] 2024-05-07
[86] 2022-11-09 (PCT/US2022/049433)
[87] (WO2023/086404)
[30] US (63/277,226) 2021-11-09

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[51] **Int.Cl. B25J 13/08 (2006.01) B25J 9/16 (2006.01)**
[25] EN
[54] **METHOD FOR PRECISE, INTUITIVE POSITIONING OF ROBOTIC WELDING MACHINE**
[54] **PROCEDE DE POSITIONNEMENT PRECIS ET INTUITIF D'UNE MACHINE DE SOUDAGE ROBOTIQUE**
[72] BEARD, JAMES WALTER, III, US
[72] CANFIELD, STEPHEN LEE, US
[72] ZUCCARO, STEPHEN GIOVANNI, US
[72] CANFIELD, NICHOLAS, US
[71] ROBOTIC TECHNOLOGIES OF TENNESSEE, LLC, US
[85] 2024-05-07
[86] 2022-11-09 (PCT/US2022/049422)
[87] (WO2023/086397)
[30] US (63/277,956) 2021-11-10
[30] US (17/587,946) 2022-01-28

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[51] **Int.Cl. A61K 31/575 (2006.01) A61K 31/192 (2006.01) A61P 25/00 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMBINATION OF TURSO AND SODIUM PHENYL BUTYRATE FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES**
[54] **ASSOCIATION DE SODIUM PHENYLBUTYRATE ET DE TAURURSODIOL POUR LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] COHEN, JOSHUA, US
[72] KLEE, JUSTIN, US
[71] AMYLYX PHARMACEUTICALS, INC., US
[85] 2024-05-07
[86] 2022-11-07 (PCT/US2022/049163)
[87] (WO2023/081482)
[30] US (63/277,007) 2021-11-08
[30] US (63/404,516) 2022-09-07

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[25] EN
[54] **GATA4-TARGETED THERAPEUTICS FOR TREATMENT OF CARDIAC HYPERTROPHY**
[54] **AGENTS THERAPEUTIQUES CIBLANT LE GATA4 POUR LE TRAITEMENT DE L'HYPERTROPHIE CARDIAQUE**
[72] YAO, PENG, US
[72] HEDAYA, OMAR, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2024-05-07
[86] 2022-11-07 (PCT/US2022/049108)
[87] (WO2023/086292)
[30] US (63/263,852) 2021-11-10
[30] US (63/373,787) 2022-08-29

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES FOR MODIFYING PROTEIN EXPRESSION**
[54] **OLIGONUCLEOTIDES ANTISENS POUR MODIFIER L'EXPRESSION DE PROTEINES**
[72] YAO, PENG, US
[72] HEDAYA, OMAR, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2024-05-07
[86] 2022-11-07 (PCT/US2022/049117)
[87] (WO2023/086295)
[30] US (63/263,853) 2021-11-10
[30] US (63/373,792) 2022-08-29

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[13] A1
[51] **Int.Cl. G01R 31/62 (2020.01)**
[25] EN
[54] **METHOD FOR SIMULATING A TRANSFORMER**
[54] **PROCEDE DE SIMULATION D'UN TRANSFORMATEUR**
[72] RAITH, JOHANNES, AT
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2024-05-07
[86] 2022-10-25 (PCT/EP2022/079719)
[87] (WO2023/083599)
[30] DE (10 2021 212 651.0) 2021-11-10

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[51] **Int.Cl. C08J 3/20 (2006.01) C08K 3/013 (2018.01) C08J 3/18 (2006.01) C08K 3/26 (2006.01) C08L 27/00 (2006.01) C08L 101/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HALOGEN-BASED RESIN COMPOSITION**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION DE RESINE A BASE D'HALOGENE**
[72] WADA, SATOSHI, JP
[72] TAKIGUCHI, OSAMU, JP
[71] KAO CORPORATION, JP
[85] 2024-05-07
[86] 2022-10-17 (PCT/JP2022/038607)
[87] (WO2023/085002)
[30] JP (2021-183475) 2021-11-10

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[13] A1
[51] **Int.Cl. E03C 1/01 (2006.01) B05B 12/00 (2018.01)**
[25] EN
[54] **PLUMBING FITTINGS BOX AND LEAK DETECTION SYSTEM**
[54] **BOITE DE RACCORD DE PLOMBERIE ET SYSTEME DE DETECTION DE FUITE**
[72] PEREZ, MOSHE, IL
[72] PEREZ, TAL ISRAEL, IL
[72] MIZRAHI, HAGAI, IL
[71] PEREZ, MOSHE, IL
[71] PEREZ, TAL ISRAEL, IL
[71] MIZRAHI, HAGAI, IL
[85] 2024-05-07
[86] 2022-10-27 (PCT/IL2022/051136)
[87] (WO2023/095115)
[30] US (63/283,228) 2021-11-25

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[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01N 1/28 (2006.01) G01N 1/34 (2006.01) G01N 1/38 (2006.01)**
[25] EN
[54] **AGRICULTURAL SAMPLE SLURRY PREPARATION SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE PREPARATION D'ECHANTILLON DE LISIER AGRICOLE ET PROCEDES ASSOCIES**
[72] LEVY, KENT, US
[72] KOCH, DALE, US
[71] PRECISION PLANTING LLC, US
[85] 2024-05-07
[86] 2023-01-05 (PCT/IB2023/050081)
[87] (WO2023/161727)
[30] US (63/268,418) 2022-02-23
[30] US (63/268,419) 2022-02-23
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[51] **Int.Cl. H04R 1/04 (2006.01) H04R 1/10 (2006.01) H04R 3/00 (2006.01) H04R 5/027 (2006.01) H04R 5/04 (2006.01)**
[25] EN
[54] **MICROPHONE SYSTEM AND METHODS**
[54] **SYSTEME DE MICROPHONE ET PROCEDES**
[72] SCHILLEBEECKX, PIETER, AU
[72] PEKLO, DOMINIK, AU
[71] FREEDMAN ELECTRONICS PTY LTD, AU
[85] 2024-05-03
[86] 2022-11-09 (PCT/AU2022/051335)
[87] (WO2023/081963)
[30] US (17/525,615) 2021-11-12

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[13] A1
[51] **Int.Cl. G16H 20/00 (2018.01) G06F 17/18 (2006.01)**
[25] EN
[54] **MACHINE LEARNING-BASED ACTIVITY AND PROGRAM RECOMMENDER**
[54] **ACTIVITE BASEE SUR L'APPRENTISSAGE AUTOMATIQUE ET DISPOSITIF DE RECOMMANDATION DE PROGRAMME**
[72] THOMPSON, KYLE, CA
[72] ALMOG, YASMEEN, CA
[72] WEINBERG, KERRY, CA
[71] LEAGUE, INC., CA
[85] 2024-05-07
[86] 2022-11-07 (PCT/CA2022/051640)
[87] (WO2023/077240)
[30] US (63/277,135) 2021-11-08

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[13] A1
[51] **Int.Cl. H01H 23/12 (2006.01) A61C 17/22 (2006.01)**
[25] EN
[54] **SWITCH ASSEMBLY FOR CLEANING AND CARING APPLIANCE AND CLEANING AND CARING APPLIANCE**
[54] **ENSEMBLE COMMUTATEUR DESTINE A ETRE UTILISE DANS UN APPAREIL DE NETTOYAGE ET DE SOINS, ET APPAREIL DE NETTOYAGE ET DE SOINS**
[72] DAI, XIAOGUO, CN
[72] XU, ZHENWU, CN
[71] SHANGHAI SHIFT ELECTRICS CO., LTD., CN
[85] 2024-05-07
[86] 2022-09-30 (PCT/CN2022/122961)
[87] (WO2023/082890)
[30] CN (202111331716.6) 2021-11-11

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[51] **Int.Cl. A01C 7/04 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED DELIVERY**
[54] **DISTRIBUTION DE GRAINES**
[72] HODEL, JEREMY, US
[71] PRECISION PLANTING LLC, US
[85] 2024-05-07
[86] 2023-01-26 (PCT/IB2023/050679)
[87] (WO2023/161737)
[30] US (63/268,320) 2022-02-22

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[13] A1
[51] **Int.Cl. C07C 29/03 (2006.01) C07C 29/88 (2006.01) C07C 31/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PREPARING ISOPROPYL ALCOHOL**
[54] **PROCEDE ET APPAREIL DE PREPARATION D'ALCOOL ISOPROPYLIQUE**
[72] JANG, KYUNG SOO, KR
[72] LEE, SUNG KYU, KR
[72] HWANG, SUNG JUNE, KR
[72] LIM, KIL TAEK, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-09
[86] 2023-05-25 (PCT/KR2023/007150)
[87] (WO2024/034794)
[30] KR (10-2022-0100549) 2022-08-11
[30] KR (10-2022-0179081) 2022-12-20

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **SIRP GAMMA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS SIRP GAMMA ET LEURS UTILISATIONS**
[72] PANICKER, SANDIP, US
[72] ROSENTHAL, ADAM DAVID, US
[72] ROSE, EILEEN LINGSHU, US
[72] CAI, ALLEN GUO YANG, US
[71] ELECTRA THERAPEUTICS, INC., US
[85] 2024-05-09
[86] 2022-11-10 (PCT/US2022/079668)
[87] (WO2023/086906)
[30] US (63/277,966) 2021-11-10

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[13] A1
[51] **Int.Cl. F04D 7/04 (2006.01) F04D 29/02 (2006.01) F04D 29/42 (2006.01) F04D 29/22 (2006.01)**
[25] EN
[54] **CENTRIFUGAL PUMP HAVING WEAR-RESISTANT WEAR PLATE WITH SCRAPER ELEMENT**
[54] **POMPE CENTRIFUGE DOTEE D'UNE PAROI D'USURE RESISTANTE A L'USURE POURVUE D'UN ELEMENT DE RACLAGE**
[72] MULLER, ENRICO, DE
[72] ZIEGS, DANIEL, DE
[71] KSB SE & CO. KGAA, DE
[85] 2024-04-04
[86] 2022-09-23 (PCT/EP2022/076513)
[87] (WO2023/057236)
[30] DE (10 2021 125 642.9) 2021-10-04
[30] DE (10 2022 124 356.7) 2022-09-22

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C07J 17/00 (2006.01)**
[25] EN
[54] **USE OF SAPONIN COMPOUND IN NUCLEIC ACID SEQUENCING**
[54] **UTILISATION D'UN COMPOSE DE SAPONINE DANS LE SEQUENCAGE D'ACIDE NUCLEIQUE**
[72] JIA, MAN, CN
[72] MENG, YIXIN, CN
[72] XU, CHONGJUN, CN
[72] ZHANG, YINGHUA, CN
[72] WANG, JINGJING, CN
[72] GONG, MEIHUA, CN
[72] LI, JIGUANG, CN
[71] MGI TECH CO., LTD., CN
[85] 2024-04-05
[86] 2021-10-15 (PCT/CN2021/123966)
[87] (WO2023/060527)
[30] CN (PCT/CN2021/123011) 2021-10-11

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[13] A1
[51] **Int.Cl. A61K 31/4433 (2006.01) A61K 9/32 (2006.01) A61K 9/36 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION HAVING EXCELLENT DISSOLUTION PROPERTIES**
[54]
[72] WATANABE, NAHO, JP
[72] YAMAKOSE, HIROSHI, JP
[72] TAKEMURA, MASAMI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2024-05-09
[86] 2022-11-09 (PCT/JP2022/041656)
[87] (WO2023/085300)
[30] JP (2021-183134) 2021-11-10

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[13] A1
[51] **Int.Cl. C01B 17/22 (2006.01) C01B 17/32 (2006.01)**
[25] EN
[54] **LITHIUM SULFIDE PRODUCTION METHOD**
[54] **PROCEDE DE PRODUCTION DE SULFURE DE LITHIUM**
[72] FRANCISCO, BRIAN E., US
[72] OBERWETTER, SAMUEL, US
[72] CULVER, SEAN P., US
[72] LISENKER, ILYA, US
[71] SOLID POWER OPERATING, INC., US
[85] 2024-05-09
[86] 2022-11-16 (PCT/US2022/050159)
[87] (WO2023/091521)
[30] US (63/264,137) 2021-11-16

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[51] **Int.Cl. C07K 14/605 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION OF GLP-1 RECEPTOR AND GIP RECEPTOR DUAL AGONIST, AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE D'AGONISTE DOUBLE DU RECEPTEUR DE GLP-1 ET DU RECEPTEUR DE GIP, ET UTILISATION ASSOCIEE**
[72] LI, ZHENBIN, CN
[72] CHEN, JING, CN
[72] CAO, XUETENG, CN
[72] LIU, KAI, CN
[71] FUJIAN SHENGDI PHARMACEUTICAL CO., LTD., CN
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
[85] 2024-05-09
[86] 2022-11-11 (PCT/CN2022/131375)
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[30] CN (202111341752.0) 2021-11-12

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[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61P 9/12 (2006.01)**
[25] EN
[54] **SMALL RNA FOR ALLEVIATING VASCULAR ENDOTHELIAL DYSFUNCTION IN STRESS-INDUCED HYPERTENSION AND USE THEREOF**
[54] **PETIT ARN POUR SOULAGER LE STRESS, L'HYPERTENSION ET LA DYSFONCTION ENDOTHELIALE VASCULAIRE ET SON APPLICATION**
[72] ZHANG, HAIFENG, CN
[72] XING, WENJUAN, CN
[72] MA, LIJIE, CN
[72] LI, KAIFENG, CN
[72] LI, ZE, CN
[72] WANGSUN, YUNSHU, CN
[72] ZHANG, TUO, CN
[71] AIR FORCE MEDICAL UNIVERSITY, CN
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[30] CN (202111412601.X) 2021-11-25

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[51] **Int.Cl. G16B 20/20 (2019.01) C12Q 1/6827 (2018.01)**
[25] EN
[54] **METHOD FOR MEASURING SOMATIC DNA MUTATION AND DNA DAMAGE PROFILES AND A DIAGNOSTIC KIT SUITABLE THEREFORE**
[54] **PROCEDE DE MESURE DE MUTATION SOMATIQUE D'ADN ET PROFILS D'ENDOMMAGEMENT D'ADN ET KIT DE DIAGNOSTIC APPROPRIE**
[72] MASLOV, ALEXANDER Y., US
[72] VIJG, JAN, US
[71] ALBERT EINSTEIN COLLEGE OF MEDICINE, US
[85] 2024-05-09
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[30] US (63/277,955) 2021-11-10

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[51] **Int.Cl. A61K 38/22 (2006.01) C07K 14/64 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **RELAXIN-2 FUSION PROTEIN ANALOGS AND METHODS OF USING SAME**
[54] **ANALOGUES DE PROTEINE DE FUSION DE RELAXINE-2 ET LEURS PROCEDES D'UTILISATION**
[72] DIENER, JOHN, US
[72] KRUSE, ANDREW, US
[72] GRUSWITZ, FRANZ, US
[71] TECTONIC THERAPEUTIC, INC., US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/079681)
[87] (WO2023/086913)
[30] US (63/263,917) 2021-11-11

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 17/00 (2006.01) A61B 17/70 (2006.01) A61B 17/80 (2006.01) G01N 27/72 (2006.01)**
[25] EN
[54] **MEDICAL BONE IMPLANT AND METHOD FOR MONITORING THE CONDITION OF AN IMPLANT**
[54] **IMPLANT OSSEUX MEDICAL ET PROCEDE DE SURVEILLANCE DE L'ETAT D'UN IMPLANT**
[72] VODERMAYER, ALBERT MARIA, CH
[72] HUPPI, RAMON JURGEN, CH
[72] HEIM, SEBASTIAN, CH
[72] STADLER, ROGER HEINRICH, CH
[72] DUNKI, ANDREAS CHRISTIAN, CH
[71] ICOTEC AG, CH
[85] 2024-05-09
[86] 2022-12-02 (PCT/EP2022/084161)
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[30] EP (21215570.9) 2021-12-17

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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **STABLE PRODUCTION SYSTEMS FOR AAV VECTOR PRODUCTION**
[54] **SYSTEMES DE PRODUCTION STABLES POUR LA PRODUCTION DE VECTEURS DE VAA**
[72] STACH, CHRISTOPHER S., US
[72] NIELSEN, ALEC A.K., US
[71] ASIMOV INC., US
[85] 2024-05-08
[86] 2022-11-09 (PCT/US2022/079543)
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[30] US (63/277,335) 2021-11-09

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[25] EN
[54] **VIRAL ADAPTORS AND USES THEREOF**
[54] **ADAPTATEURS VIRAUX ET LEURS UTILISATIONS**
[72] RODRIQUES, SAMUEL GORDON, GB
[72] CERVETTINI, DANIELE, GB
[72] SUDARSHAN, BHUVANA, GB
[71] THE FRANCIS CRICK INSTITUTE LIMITED, GB
[85] 2024-05-09
[86] 2022-11-07 (PCT/EP2022/080988)
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[30] GB (2116101.3) 2021-11-09
[30] GB (2116104.7) 2021-11-09

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[51] **Int.Cl. A01N 25/28 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING BIODEGRADABLE MICROCAPSULES BASED ON GELATINE**
[54] **PROCEDE DE PREPARATION DE MICROCAPSULES BIODEGRADABLES A BASE DE GELATINE**
[72] WILKINS, LEWIS CHARLES, US
[72] COUGHLIN, ANDREW JAMES, US
[72] STOCKMAL, KELLI ANNE, US
[72] DE HEER, MARTINE INGRID, GB
[72] RYMARUK, MATTHEW JOSEPH, GB
[72] KYNASTON, EMILY LOUISE, GB
[72] WALLER, CATHERINE PAULA, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-09
[86] 2022-11-16 (PCT/EP2022/082139)
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[25] EN
[54] **MICROFLUIDIC CO-ENCAPSULATION DEVICE AND SYSTEM AND METHODS FOR IDENTIFYING T-CELL RECEPTOR LIGANDS**
[54] **DISPOSITIF ET SYSTEME DE CO-ENCAPSULATION MICROFLUIDIQUE ET PROCEDES D'IDENTIFICATION DE LIGANDS DE RECEPTEUR DE LYMPHOCYTES T**
[72] FELIX, NATHAN, US
[72] LINDNER, JOHN M., DE
[72] KROMER, KRISTINA, DE
[72] DIEKMANN, CONSTANTIN, DE
[72] HERZIG, YONATAN, DE
[72] PINAMONTI, VERONICA, DE
[72] HERNANDEZ, MIGUEL A., DE
[72] CETIN, MIRAY, DE
[72] ZHANG, JING, DE
[72] FISCH, LAURA, DE
[71] JANSSEN BIOTECH, INC., US
[85] 2024-05-08
[86] 2022-11-08 (PCT/US2022/079461)
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[30] US (63/277,311) 2021-11-09
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[51] **Int.Cl. D21H 23/28 (2006.01) D21H 23/48 (2006.01)**
[25] EN
[54] **CONTINUOUS PAPERMAKING MACHINES AND METHODS FOR CONTINUOUS PAPERMAKING**
[54] **MACHINES A PAPIER EN CONTINU ET PROCEDES DE FABRICATION DE PAPIER EN CONTINU**
[72] GIUSTE, SERGIO A., US
[72] GHOSH, ASHOK K., US
[72] KNAPP, BRIAN K., US
[72] COSTELLO, JAMES C., US
[72] GREEN, TERRELL J., US
[71] WESTROCK MWV, LLC, US
[85] 2024-05-09
[86] 2023-04-14 (PCT/US2023/065760)
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[51] **Int.Cl. A23J 3/04 (2006.01) A23L 13/00 (2016.01) A23J 3/22 (2006.01) A23J 3/24 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PRODUCTION OF CULTURED MEAT**
[54] **PROCEDES ET COMPOSITIONS POUR LA PRODUCTION DE VIANDE CULTIVEE**
[72] DARIANI, MAGHSOUD, US
[72] BHATIA, MOHIT, US
[71] ATELIER MEATS CORP., CA
[85] 2024-05-08
[86] 2022-11-02 (PCT/US2022/048680)
[87] (WO2023/081192)
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[51] **Int.Cl. C07D 409/04 (2006.01) A61K 31/497 (2006.01) A61P 3/10 (2006.01) C07D 241/10 (2006.01) C07D 409/14 (2006.01)**
[25] EN
[54] **DRAK2 INHIBITOR, AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **INHIBITEUR DE DRAK2, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] LV, ZHIJIAN, CN
[72] ZHONG, LI, CN
[71] BIOPOLAR YOUTANG (GUANGDONG) PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-09
[86] 2022-11-11 (PCT/CN2022/131513)
[87] (WO2023/083330)
[30] CN (202111342457.7) 2021-11-12

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[51] **Int.Cl. C03C 25/6213 (2018.01) C03C 25/6208 (2018.01) C03C 25/6246 (2018.01) G01D 5/353 (2006.01) G01K 11/3206 (2021.01) G02B 6/02 (2006.01) H01F 6/02 (2006.01)**
[25] EN
[54] **MITIGATION OF ATTENUATING EFFECTS FROM IONIZING RADIATION IN SILICA OPTICAL FIBERS BY PHOTOBLEACHING**
[54] **REDUCTION DES EFFETS D'ATTENUATION D'UN RAYONNEMENT IONISANT DANS DES FIBRES OPTIQUES EN SILICE PAR PHOTOBLANCHIMENT**
[72] DUKE, OWEN BEALS, US
[72] SALAZAR, ERICA ELIZABETH, US
[72] MEICHLE, DAVID PAUL, US
[71] COMMONWEALTH FUSION SYSTEMS LLC, US
[85] 2024-05-08
[86] 2022-11-21 (PCT/US2022/050549)
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[30] US (63/282,503) 2021-11-23

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[51] **Int.Cl. A61K 38/48 (2006.01) A61P 43/00 (2006.01) C12N 9/24 (2006.01) C12N 9/52 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **METHODS FOR ENHANCING ADOPTIVE CELL TRANSFER IMMUNOTHERAPIES**
[54] **PROCEDES POUR AMELIORER DES IMMUNOTHERAPIES PAR TRANSFERT ADOPTIF DE CELLULES**
[72] RANGANATHAN, RAGHUVEER, US
[72] BOCKERMANN, ROBERT, SE
[72] ROBERTSON, ANNA-KARIN, SE
[72] KJELLMAN, CHRISTIAN, SE
[72] DOTTI, GIANPIETRO, US
[71] HANSA BIOPHARMA AB, SE
[85] 2024-05-09
[86] 2022-11-14 (PCT/EP2022/081841)
[87] (WO2023/084095)
[30] US (63/279,398) 2021-11-15

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[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**
[25] EN
[54] **A REPLACEABLE WEAR COMPONENT**
[54] **COMPOSANT D'USURE REMPLACABLE**
[72] COULSON, BRIAN, GB
[71] SSAB TECHNOLOGY AB, SE
[85] 2024-05-08
[86] 2022-11-10 (PCT/EP2022/081389)
[87] (WO2023/088762)
[30] EP (21208415.6) 2021-11-16

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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **VASCULAR ACCESS SYSTEM**
[54] **SYSTEME D'ACCES VASCULAIRE**
[72] JAHANGIR, EMILIA, US
[72] CHRISTANDAY, GEOFFREY, US
[72] NICKERSON, ZACHARY, US
[72] CHOUINARD, BRIAN, US
[72] SCHOENBERG, DAVID, US
[71] ABIOMED, INC., US
[85] 2024-05-09
[86] 2022-11-30 (PCT/US2022/051321)
[87] (WO2023/102000)
[30] US (63/285,300) 2021-12-02

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[13] A1
[51] **Int.Cl. B63H 1/16 (2006.01) B63H 5/14 (2006.01) B63H 23/32 (2006.01)**
[25] EN
[54] **A MARINE VESSEL PROPULSION DEVICE**
[54] **DISPOSITIF DE PROPULSION DE NAVIRE MARIN**
[72] WALL, JAN, SE
[71] KONGSBERG MARITIME SWEDEN AB, SE
[85] 2024-05-09
[86] 2022-12-15 (PCT/EP2022/086228)
[87] (WO2023/111217)
[30] SE (2151536-6) 2021-12-16

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[51] **Int.Cl. A61M 39/10 (2006.01)**
[25] EN
[54] **INJECTION CONFIGURATION WITH MODIFIED LUER CONNECTOR FOR REDUCED DEAD SPACE**
[54] **CONFIGURATION D'INJECTION AVEC RACCORD LUER MODIFIE POUR ESPACE MORT REDUIT**
[72] HAMISHA, YOAV, IL
[72] ADMATI, GAL, IL
[72] LEVIN, YOTAM, IL
[71] NANOPASS TECHNOLOGIES LTD., IL
[85] 2024-05-08
[86] 2022-10-06 (PCT/IB2022/059557)
[87] (WO2023/079385)
[30] US (17/520,899) 2021-11-08

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[51] **Int.Cl. G06K 7/10 (2006.01) H01Q 1/22 (2006.01)**
[25] EN
[54] **A RADIO FREQUENCY IDENTIFICATION READER**
[54] **LECTEUR D'IDENTIFICATION PAR RADIOFREQUENCE**
[72] MAZZA, MARCO, CH
[71] FRISENSE LIMITED, GB
[85] 2024-05-09
[86] 2022-11-11 (PCT/EP2022/081616)
[87] (WO2023/084020)
[30] GB (2116264.9) 2021-11-11

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[51] **Int.Cl. A21D 2/36 (2006.01) A23L 7/161 (2016.01) A21D 13/00 (2017.01) A23G 3/00 (2006.01)**
[25] EN
[54] **STARCH-CONTAINING SWOLLEN COMPOSITION AND PRODUCTION METHOD THEREFOR, FERMENTED COMPOSITION AND PRODUCTION METHOD THEREFOR, AND FERMENTED AND ENZYME-TREATED COMPOSITION AND PRODUCTION METHOD THEREFOR**
[54] **COMPOSITION DE LEVAGE CONTENANT DE L'AMIDON ET SON PROCEDE DE PRODUCTION, COMPOSITION DE FERMENTATION ET SON PROCEDE DE PRODUCTION, ET COMPOSITION DE TRAITEMENT ENZYMATIQUE DE FERMENTATION ET SON PROCEDE DE PRODUCTI ON**
[72] MIZUNO, HIROFUMI, JP
[72] YAMAMOTO, EISUKE, JP
[72] MIZUTA, ERIKA, JP
[72] SAKANO, YUKA, JP
[72] HIBI, NARUHIRO, JP
[72] TANAKA, SHUNGO, JP
[71] MIZKAN HOLDINGS CO., LTD., JP
[85] 2024-05-08
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[87] (WO2024/005099)
[30] JP (2022-103973) 2022-06-28

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[13] A1
[51] **Int.Cl. C09K 5/10 (2006.01) C09K 3/30 (2006.01) C11D 7/50 (2006.01)**
[25] EN
[54] **AZEOTROPIC AND AZEOTROPE-LIKE COMPOSITIONS OF PERFLUOROHEPTENE AND FLUOROETHERS AND USES THEREOF**
[54] **COMPOSITIONS AZEOTROPIQUES ET DE TYPE AZEOTROPE DE PERFLUOROHEPTENE ET DE FLUOROETHERS ET LEURS UTILISATIONS**
[72] FRASER, MICHAEL R., US
[72] KIKUCHI, HIDEAKI, JP
[72] WU, RAYMOND, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2024-05-08
[86] 2022-11-22 (PCT/US2022/050719)
[87] (WO2023/096900)
[30] US (63/282,572) 2021-11-23

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[13] A1
[51] **Int.Cl. G06V 10/44 (2022.01) G06V 10/82 (2022.01) G06V 20/69 (2022.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PARTICLE CLASSIFICATION**
[54] **PROCEDES ET SYSTEMES DE CLASSIFICATION DE PARTICULES**
[72] NAGARKATTI, ASLAM, US
[72] RAVI, SHIVA NAVEEN, US
[72] PRADEEP, KAUSHIK KRISHNA, US
[72] HU, QINGYAN, US
[72] HERNANDEZ, MARCO, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2024-05-09
[86] 2022-12-13 (PCT/US2022/081461)
[87] (WO2023/114776)
[30] US (63/289,489) 2021-12-14
[30] US (63/341,775) 2022-05-13

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[13] A1
[51] **Int.Cl. C07D 413/06 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **LYSINE ACETYLTRANSFERASE 6A (KAT6A) INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE LA LYSINE ACETYLTRANSFERASE 6A (KAT6A) ET LEURS UTILISATIONS**
[72] CHENG, XIN, CN
[72] QIN, LUOHENG, CN
[72] REN, FENG, CN
[71] INSILICO MEDICINE IP LIMITED, CN
[85] 2024-05-09
[86] 2022-11-15 (PCT/CN2022/131893)
[87] (WO2023/088233)
[30] CN (PCT/CN2021/130956) 2021-11-16
[30] CN (PCT/CN2022/079709) 2022-03-08
[30] CN (PCT/CN2022/126722) 2022-10-21

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[51] **Int.Cl. A61M 5/178 (2006.01) A61M 1/36 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **IMPROVED CANCER IMMUNOTHERAPY TREATMENTS**
[54] **TRAITEMENTS AMELIORES D'IMMUNOTHERAPIE ANTICANCEREUSE**
[72] CHAN, PHILLIP P., US
[72] RUGGEBERG, KARL-GUSTAV, US
[72] TRIPATHI, RITU, US
[72] ORTIZ, OPHIR, US
[72] MCKAY, RICHARD R., US
[71] CYTOSORBENTS CORPORATION, US
[85] 2024-05-08
[86] 2022-11-29 (PCT/US2022/080587)
[87] (WO2023/097334)
[30] US (63/283,697) 2021-11-29

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[13] A1
[51] **Int.Cl. B21D 22/02 (2006.01) B21D 22/20 (2006.01) B21D 37/16 (2006.01)**
[25] EN
[54] **HOT STAMPING DIE AND HOT STAMPING PROCESS USING A HOT STAMPING PRESS**
[54] **MATRICE D'ESTAMPAGE A CHAUD ET PROCEDE D'ESTAMPAGE A CHAUD UTILISANT UNE PRESSE A ESTAMPER A CHAUD**
[72] BLAISE, ALEXANDRE, FR
[72] TALLON, CHRISTOPHE, FR
[71] ARCELORMITTAL, LU
[85] 2024-05-08
[86] 2022-11-08 (PCT/IB2022/060739)
[87] (WO2023/089449)
[30] IB (PCT/IB2021/060686) 2021-11-18

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[51] **Int.Cl. A21D 13/31 (2017.01) A23L 29/20 (2016.01) A23L 29/212 (2016.01) A23L 29/262 (2016.01) A23L 33/115 (2016.01) A23L 33/185 (2016.01) A23L 33/21 (2016.01) A23L 33/24 (2016.01) A21D 13/38 (2017.01)**
[25] EN
[54] **STABILIZER COMPOSITIONS FOR FILLINGS AND TOPPINGS**
[54] **COMPOSITIONS STABILISANTES POUR GARNITURES ET NAPPAGES**
[72] PAI, YAYU SOPHIA, US
[72] WALSH, JAMES, US
[72] LIU, MING, US
[72] DESROCHERS, JULIA, US
[71] TATE & LYLE SOLUTIONS USA LLC, US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/079707)
[87] (WO2023/086932)
[30] US (63/278,657) 2021-11-12

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[13] A1
[51] **Int.Cl. A23D 9/00 (2006.01) B01D 15/00 (2006.01) B01J 20/10 (2006.01) C11B 3/10 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **NOVEL METHOD FOR REMOVAL OF INORGANIC CHLORIDE COMPOUNDS FROM A FEEDSTOCK**
[54] **NOUVEAU PROCEDE D'ELIMINATION DE COMPOSES DE CHLORURE INORGANIQUE A PARTIR D'UNE CHARGE D'ALIMENTATION**
[72] CHEE, YI YIN, FI
[72] MUSCH, SARI, FI
[72] PASANEN, JUKKA-PEKKA, FI
[72] MALM, ANNIKA, FI
[72] ALAKURTTI, SAMI, FI
[71] NESTE OYJ, FI
[85] 2024-05-09
[86] 2022-12-29 (PCT/EP2022/088007)
[87] (WO2023/126478)
[30] FI (20216367) 2021-12-30

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[13] A1
[51] **Int.Cl. H02S 20/21 (2014.01) B60L 53/51 (2019.01) C07C 1/02 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **A ROAD-BASED SOLAR SYSTEM FOR PRODUCTION OF HYDROGEN AND ELECTRICITY**
[54] **SYSTEME SOLAIRE ROUTIER POUR LA PRODUCTION D'HYDROGENE ET D'ELECTRICITE**
[72] ARBEL, AVRAHAM, IL
[71] ARBEL, AVRAHAM, IL
[85] 2024-05-08
[86] 2022-11-09 (PCT/IL2022/051187)
[87] (WO2023/084511)
[30] US (63/277,175) 2021-11-09

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[13] A1
[51] **Int.Cl. G06F 21/64 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC CHECKSUM GENERATION AND VALIDATION WITH CUSTOMIZABLE LEVELS OF INTEGRITY VERIFICATION**
[54] **SYSTEMES ET PROCEDES DE GENERATION ET DE VALIDATION DYNAMIQUES DE SOMME DE CONTROLE AVEC DES NIVEAUX PERSONNALISABLES DE VERIFICATION DE L'INTEGRITE**
[72] BOGACZ, JOSEPH, CA
[71] ILLUSCIO, INC., US
[85] 2024-05-09
[86] 2022-11-04 (PCT/US2022/079311)
[87] (WO2023/086756)
[30] US (17/525,705) 2021-11-12

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 61/4511 (2022.01) H04L 61/59 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CONTROLLING INTERNET ACCESS USING ENCRYPTED DNS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE D'ACCES A INTERNET A L'AIDE DE DNS CHIFFRE**
[72] BOCA, PAUL DANIEL, RO
[72] CRACIUN, MARIUS, RO
[72] CERNAT, CONSTANTIN DANIEL, RO
[72] BUDA, ADRIAN, RO
[71] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2024-05-09
[86] 2022-12-13 (PCT/EP2022/085576)
[87] (WO2023/110844)
[30] US (17/644,167) 2021-12-14

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[51] **Int.Cl. A23J 1/14 (2006.01) A23L 25/00 (2016.01) A23L 33/14 (2016.01) A23P 30/20 (2016.01) A23J 3/14 (2006.01) A23J 3/22 (2006.01) A23J 3/26 (2006.01)**
[25] EN
[54] **MEAT-ALTERNATIVE PRODUCT INCLUDING OILSEED PRESS CAKES**
[54] **PRODUIT DE SUBSTITUTION DE VIANDE COMPRENANT DES GATEAUX DE PRESSAGE DE GRAINES OLEAGINEUSES**
[72] MARCOVITZ, LEONARDO, IL
[72] WILD, FLORIAN, DE
[71] MORE ALTERNATIVE FOODS LTD., IL
[85] 2024-05-09
[86] 2022-11-13 (PCT/IL2022/051209)
[87] (WO2023/089608)
[30] IL (288258) 2021-11-21

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[13] A1
[51] **Int.Cl. H01M 50/627 (2021.01)**
[25] EN
[54] **INJECTOR INLET STRUCTURE FOR INJECTING ELECTROLYTE INTO CYLINDRICAL SECONDARY BATTERY**
[54] **STRUCTURE D'ENTREE D'INJECTEUR POUR L'INJECTION D'UN ELECTROLYTE DANS UNE BATTERIE SECONDAIRE CYLINDRIQUE**
[72] WON, JIN HYEOK, KR
[72] RYU, DUK HYUN, KR
[72] PARK, KYEONG HOON, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-09
[86] 2022-11-10 (PCT/KR2022/017612)
[87] (WO2023/085794)
[30] KR (10-2021-0154334) 2021-11-10
[30] KR (10-2022-0026195) 2022-02-28

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[51] **Int.Cl. A61K 47/65 (2017.01) A61K 47/68 (2017.01) A61K 31/4745 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY-CAMPTOTHECIN DRUG CONJUGATE AND PHARMACEUTICAL USE THEREOF**
[54] **CONJUGUE ANTICORPS BISPECIFIQUE-MEDICAMENT CAMPTOTHECINE ET SON UTILISATION PHARMACEUTIQUE**
[72] ZHU, YI, CN
[72] WAN, WEILI, CN
[72] YU, TIANZI, CN
[72] ZHU, GUILI, CN
[72] ZHANG, YIYING, CN
[72] ZHUO, SHI, CN
[72] ZHANG, YONG, CN
[72] LI, GANGRUI, CN
[71] SYSTIMMUNE, INC., US
[85] 2024-05-08
[86] 2022-11-15 (PCT/CN2022/132027)
[87] (WO2023/083381)
[30] CN (202111351599.X) 2021-11-15

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[51] **Int.Cl. G06V 20/58 (2022.01) G06V 10/778 (2022.01) G06F 18/21 (2023.01)**
[25] EN
[54] **TRAINING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENTRAINEMENT**
[72] HUANG, KAVYA, US
[71] DEKA PRODUCTS LIMITED PARTNERSHIP, US
[85] 2024-05-09
[86] 2022-11-22 (PCT/US2022/080308)
[87] (WO2023/092140)
[30] US (63/264,409) 2021-11-22

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[51] **Int.Cl. C25C 3/18 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING PERFLUOROCARBON EMISSIONS FROM ALUMINUM ELECTROLYSIS**
[54] **PROCEDE DE REDUCTION DES EMISSIONS DE PERFLUOROCARBONE ISSUES DE L'ELECTROLYSE D'ALUMINIUM**
[72] CHEN, KAIBIN, CN
[72] ZHANG, XUGUI, CN
[72] LI, CHANGLIN, CN
[72] FANG, BIN, CN
[72] WU, XUJIAN, CN
[72] WANG, JUNQING, CN
[72] WANG, YUEYONG, CN
[72] JIAO, QINGGUO, CN
[72] WANG, JUNWEI, CN
[72] LUO, LIFEN, CN
[72] ZHANG, FANGFANG, CN
[72] SHI, XU, CN
[71] ZHENGZHOU NON-FERROUS METALS RESEARCH INSTITUTE CO. LTD OF CHALCO, CN
[85] 2024-05-08
[86] 2023-06-06 (PCT/CN2023/098543)
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[30] CN (202210713148.4) 2022-06-22

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[51] **Int.Cl. A47F 1/035 (2006.01) A23F 5/08 (2006.01) A47J 42/50 (2006.01)**
[25] EN
[54] **DISPENSER OF COFFEE IN SOLID FORM**
[54] **DISTRIBUTEUR DE CAFE SOUS FORME SOLIDE**
[72] MOLINARO, GABRIELE, IT
[72] SERGIO, LEONARDO, IT
[71] LUIGI LAVAZZA S.P.A., IT
[85] 2024-05-09
[86] 2022-11-21 (PCT/IB2022/061203)
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[30] IT (102021000030764) 2021-12-06

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[13] A1
[51] **Int.Cl. B29C 33/42 (2006.01) B29C 49/48 (2006.01) B29C 49/64 (2006.01) B29C 49/76 (2006.01)**
[25] EN
[54] **HEATED BLOW MOLD THREAD INSERT FOR FORMING THREADS OF A CONTAINER**
[54] **INSERT DE FILETAGE DE MOULE DE SOUFFLAGE CHAUFFE POUR FORMER DES FILETS D'UN RECIPIENT**
[72] WURSTER, MICHAEL, US
[72] TEITLEBAUM, AARON, US
[72] HALL, GREGORY T., US
[72] DETTLING, STEVEN CHARLES, US
[71] AMCOR RIGID PACKAGING USA, LLC, US
[85] 2024-05-09
[86] 2021-11-15 (PCT/US2021/059348)
[87] (WO2023/086106)

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[13] A1
[51] **Int.Cl. H01H 9/40 (2006.01) H01H 33/14 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE DIRECT CURRENT CIRCUIT PROTECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROTECTION DE CIRCUIT A COURANT CONTINU HAUTE TENSION**
[72] DOUGLASS, ROBERT STEPHEN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2024-05-09
[86] 2022-11-07 (PCT/EP2022/025498)
[87] (WO2023/083491)
[30] US (17/524,170) 2021-11-11

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[13] A1
[51] **Int.Cl. C08G 77/58 (2006.01) C03C 17/02 (2006.01) C09D 183/14 (2006.01)**
[25] EN
[54] **IMPROVEMENT OF GLASS STRENGTH AND FRACTURE TOUGHNESS BY A NON-BRITTLE COATING**
[54] **AMELIORATION DE LA RESISTANCE ET DE LA TENACITE DU VERRE AU MOYEN D'UN REVETEMENT NON CASSANT**
[72] YOLDAS, BULENT, DE
[72] BROWN, JOHN, DE
[72] SAUER, THOMAS C., DE
[71] EXXERGY GMBH, DE
[85] 2024-05-08
[86] 2022-08-04 (PCT/EP2022/071979)
[87] (WO2023/083507)
[30] DE (10 2021 129 250.6) 2021-11-10

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[13] A1
[51] **Int.Cl. F16L 15/06 (2006.01) E21B 17/042 (2006.01)**
[25] EN
[54] **HIGH TORQUE CONNECTION WITH ENHANCED BREAK IN PERFORMANCE**
[54] **LIAISON A COUPLE ELEVE AVEC PERFORMANCE DE RUPTURE AMELIOREE**
[72] CAMPBELL, STEVEN LEE, CA
[72] TREMBLAY, GINETTE MARIE, CA
[71] VALORA ENGINEERING LTD., CA
[85] 2024-05-09
[86] 2022-11-11 (PCT/CA2022/051667)
[87] (WO2023/082010)
[30] US (63/264,001) 2021-11-12

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[13] A1
[51] **Int.Cl. A46B 15/00 (2006.01) A46B 13/02 (2006.01)**
[25] EN
[54] **A TOOTHBRUSH FOR PROVIDING HISTORIC BRUSHING PERFORMANCE**
[54] **BROSSE A DENTS PERMETTANT DE FOURNIR UNE PERFORMANCE DE BROSSAGE HISTORIQUE**
[72] STUT, WILHELMUS JOHANNES JOSEPH, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-08
[86] 2022-11-02 (PCT/EP2022/080479)
[87] (WO2023/083650)
[30] EP (21207476.9) 2021-11-10

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[13] A1
[51] **Int.Cl. A61F 13/06 (2006.01)**
[25] EN
[54] **A MEDICAL DRESSING**
[54] **PANSEMENT MEDICAL**
[72] JAKOBSSON, CONNY, SE
[72] MARTENSSON, MALIN, SE
[71] MOLNLYCKE HEALTH CARE AB, SE
[85] 2024-05-09
[86] 2021-11-26 (PCT/EP2021/083132)
[87] (WO2023/093991)

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[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 41/06 (2006.01) A01N 41/10 (2006.01) A01N 47/38 (2006.01) A01N 57/20 (2006.01) A01P 13/02 (2006.01)**
[25] EN
[54] **SURFACTANT COMBINATION FOR AQUEOUS AGROCHEMICAL (CROP PROTECTION) SUSPENSION FORMULATIONS WITH HIGH SALT CONTENT AND LOW-CONCENTRATION OF SULFONYLUREA HERBICIDE**
[54] **COMBINAISON DE TENSIOACTIFS POUR FORMULATIONS DE SUSPENSION AQUEUSE AGROCHIMIQUES (PROTECTION DES CULTURES) AYANT UNE TENEUR ELEVEE EN SEL ET UNE FAIBLE CONCENTRATION D'HERBICIDE SULFONYLUREE**
[72] MARTELLETTI, ARIANNA, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2024-05-08
[86] 2022-11-09 (PCT/EP2022/081341)
[87] (WO2023/083897)
[30] EP (21207839.8) 2021-11-11

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[51] **Int.Cl. G02F 1/1343 (2006.01) G02F 1/1347 (2006.01)**
[25] EN
[54] **OPTICAL ELEMENT**
[54] **ELEMENT OPTIQUE**
[72] IKEDA, KOJIRO, JP
[72] KOITO, TAKEO, JP
[71] JAPAN DISPLAY INC., JP
[85] 2024-05-09
[86] 2022-10-06 (PCT/JP2022/037414)
[87] (WO2023/095459)
[30] JP (2021-191218) 2021-11-25

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[51] **Int.Cl. A61B 5/372 (2021.01) A61B 5/256 (2021.01) A61B 5/291 (2021.01) A61B 5/375 (2021.01) A61B 5/395 (2021.01) A61N 1/378 (2006.01)**
[25] EN
[54] **BRAIN STIMULATOR APPARATUS**
[54] **APPAREIL DE STIMULATION CEREBRALE**
[72] LOYOLA, FRANCISCO, AU
[71] LOYOLA, FRANCISCO, AU
[85] 2024-05-09
[86] 2022-11-10 (PCT/AU2022/051341)
[87] (WO2023/081968)
[30] AU (2021903598) 2021-11-10

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[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/50 (2006.01) C01B 21/04 (2006.01) C01C 1/04 (2006.01) C25B 1/04 (2021.01) F25B 1/047 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCING RENEWABLE AMMONIA**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'AMMONIAC RENOUVELABLE**
[72] RADAELLI, GUIDO, US
[72] VUDDAGIRI, SRINIVAS R., US
[72] RACKEY, SCOTT, US
[71] REMO ENERGY, INC., US
[85] 2024-05-09
[86] 2022-12-15 (PCT/US2022/081624)
[87] (WO2023/114890)
[30] US (63/290,945) 2021-12-17
[30] US (63/328,632) 2022-04-07

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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/073 (2010.01) C12N 5/0735 (2010.01) A61K 35/545 (2015.01) A01K 67/02 (2006.01) A61P 15/08 (2006.01)**
[25] EN
[54] **DERIVATION OF NAIVE BOVINE EMBRYONIC STEM CELLS**
[54] **DERIVATION DE CELLULES SOUCHES EMBRYONNAIRES HUMAINES NAIVES**
[72] LABRECQUE, REMI, CA
[72] JANG, SI-JUNG, CA
[71] THE SEMEX ALLIANCE, CA
[85] 2024-05-09
[86] 2022-11-11 (PCT/CA2022/051664)
[87] (WO2023/082007)
[30] US (63/278,751) 2021-11-12

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[51] **Int.Cl. C12N 15/11 (2006.01) A61K 31/712 (2006.01) A61P 3/08 (2006.01) C07H 21/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR MODULATING GLYCOGEN SYNTHASE 1**
[54] **COMPOSES ET METHODES DE MODULATION DE GLYCOGENE SYNTHASE 1**
[72] BUI, HUYNH-HOA, US
[72] FITZSIMMONS, BETHANY, US
[72] KORDASIEWICZ, HOLLY, US
[72] GROSSMAN, TAMAR R., US
[71] IONIS PHARMACEUTICALS, INC, US
[85] 2024-05-08
[86] 2022-12-21 (PCT/US2022/082140)
[87] (WO2023/122666)
[30] US (63/292,860) 2021-12-22
[30] US (63/317,440) 2022-03-07

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[13] A1
[51] **Int.Cl. B01F 27/072 (2022.01) B01F 27/213 (2022.01) B01F 27/88 (2022.01) B01F 35/00 (2022.01) B01F 35/22 (2022.01) B01F 35/42 (2022.01) B01F 35/71 (2022.01) B01F 35/75 (2022.01)**
[25] EN
[54] **CAPSULES AND METHODS FOR MIXING MULTIPLE SUBSTANCES**
[54] **CAPSULES ET PROCEDES DE MELANGE DE PLUSIEURS SUBSTANCES**
[72] MEIRZON, DOV, IL
[72] SAAR, GAL, IL
[71] CAPSULAB LTD, IL
[85] 2024-05-09
[86] 2022-11-14 (PCT/IL2022/051215)
[87] (WO2023/084527)
[30] US (63/279,120) 2021-11-14

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[13] A1
[51] **Int.Cl. C09K 8/74 (2006.01) C09K 8/82 (2006.01)**
[25] EN
[54] **INJECTION FLUIDS COMPRISING PROPOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS FOR ACID STIMULATION DURING OIL RECOVERY PROCESSES**
[54] **FLUIDES D'INJECTION COMPRENANT DES ALCOOLS PROPOXYLES ET UTILISATION DE TELS FLUIDES POUR LA STIMULATION ACIDE PENDANT DES PROCEDES DE RECUPERATION DE PETROLE**
[72] STANCIU, CORNELL, US
[72] JONES, CHRISTIAN WAYNE, US
[72] NGUYEN, THU, US
[72] FERNANDEZ, JORGE, US
[72] SOKHANVARIAN, KHATERE, US
[72] NAPIERALA, HEINZ, DE
[72] ENNEKING, MEINOLF, DE
[71] SASOL CHEMIE GMBH & CO. KG, DE
[85] 2024-05-07
[86] 2022-11-08 (PCT/US2022/049186)
[87] (WO2023/086307)
[30] US (63/277,714) 2021-11-10

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[51] **Int.Cl. A01K 61/60 (2017.01)**
[25] EN
[54] **FISH FARM WITH WORKING PLATFORM**
[54] **FERME PISCICOLE AVEC PLATEFORME DE TRAVAIL**
[72] MATRE, ARNE, NO
[71] WESTCON YARDS AS, NO
[85] 2024-05-09
[86] 2022-11-23 (PCT/EP2022/082963)
[87] (WO2023/094440)
[30] NO (20211427) 2021-11-23

[21] **3,237,867**
[13] A1
[51] **Int.Cl. B60L 58/40 (2019.01)**
[25] EN
[54] **CONTROL SYSTEM, WORK VEHICLE MANAGEMENT DEVICE, CONTROL DEVICE, AND METHOD FOR CONTROLLING WORK VEHICLE**
[54] **SYSTEME DE COMMANDE, DISPOSITIF DE GESTION DE VEHICULE DE TRAVAIL, DISPOSITIF DE COMMANDE ET PROCEDE DE COMMANDE DE VEHICULE DE TRAVAIL**
[72] YAMAWAKI, SHOTA, JP
[72] OBATA, KOJI, JP
[71] KOMATSU LTD., JP
[85] 2024-05-09
[86] 2022-11-14 (PCT/JP2022/042201)
[87] (WO2023/085422)
[30] JP (2021-185952) 2021-11-15

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[13] A1
[51] **Int.Cl. G06F 8/65 (2018.01)**
[25] EN
[54] **METHOD FOR UPDATING AN AUTOMATIC DOOR SYSTEM AS WELL AS AUTOMATIC DOOR SYSTEM**
[54] **PROCEDE DE MISE A JOUR D'UN SYSTEME DE PORTE AUTOMATIQUE ET SYSTEME DE PORTE AUTOMATIQUE**
[72] HAURI, MARCO, CH
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[85] 2024-05-09
[86] 2022-11-08 (PCT/EP2022/081147)
[87] (WO2023/083817)
[30] SE (2130298-9) 2021-11-09

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[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 47/60 (2017.01) A61K 41/13 (2020.01) A61K 31/135 (2006.01) A61K 47/06 (2006.01)**
[25] EN
[54] **ULTRASOUND-TRIGGERED NANOCARRIERS**
[54] **NANOVECTEURS DECLENCHES PAR ULTRASONS**
[72] KUBANEK, JAN, US
[72] RAPOPORT, NATALYA Y., US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2024-05-09
[86] 2022-11-23 (PCT/US2022/050938)
[87] (WO2023/097027)
[30] US (63/283,110) 2021-11-24

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 37/02 (2006.01) C07K 14/005 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EVALUATING IMMUNOLOGICAL PEPTIDE SEQUENCES**
[54] **SYSTEMES ET PROCEDES D'EVALUATION DE SEQUENCES PEPTIDIQUES IMMUNOLOGIQUES**
[72] ZASLAVSKY, MAXIM, US
[72] BOYD, SCOTT D., US
[72] KUNDAJE, ANSHUL BHARAT, US
[72] TIBSHIRANI, ROBERT, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-05-09
[86] 2022-11-14 (PCT/US2022/079828)
[87] (WO2023/086999)
[30] US (63/263,912) 2021-11-11
[30] US (63/362,380) 2022-04-01

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[13] A1
[51] **Int.Cl. A61K 9/10 (2006.01) A61K 47/20 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS OF SPIRONOLACTONE FOR DEEP DERMAL DRUG DELIVERY**
[54] **COMPOSITIONS PHARMACEUTIQUES DE SPIRONOLACTONE POUR ADMINISTRATION DE MEDICAMENT DERMIQUE PROFONDE**
[72] OSBORNE, DAVID W., US
[72] TOFIG, BABAK N., US
[71] ARCUTIS BIOTHERAPEUTICS, INC., US
[85] 2024-05-09
[86] 2022-11-10 (PCT/US2022/049545)
[87] (WO2023/086471)
[30] US (63/278,377) 2021-11-11

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[13] A1
[51] **Int.Cl. G01N 33/00 (2006.01)**
[25] EN
[54] **SCREEN-PRINTED ELECTRODE AND MANUFACTURING METHOD THEREOF**
[54] **ELECTRODE SERIGRAPHIEE ET SON PROCEDE DE FABRICATION**
[72] DUAN, WENCHAO, ES
[72] GICH GARCIA, MARTI, ES
[72] FERNANDEZ SANCHEZ, CESAR, ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[85] 2024-05-09
[86] 2022-11-11 (PCT/EP2022/081634)
[87] (WO2023/084031)
[30] EP (21383025.0) 2021-11-12

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[13] A1
[51] **Int.Cl. G06N 7/01 (2023.01) H04L 9/40 (2022.01) G06N 5/045 (2023.01)**
[25] EN
[54] **BAYESIAN MODELING FOR RISK ASSESSMENT BASED ON INTEGRATING INFORMATION FROM DYNAMIC DATA SOURCES**
[54] **MODELISATION BAYESIENNE POUR EVALUATION DE RISQUE SUR LA BASE D'INFORMATIONS D'INTEGRATION PROVENANT DE SOURCES DE DONNEES DYNAMIQUES**
[72] SHRESTHA, PRAKASH, US
[72] BONDUGULA, RAJKUMAR, US
[71] EQUIFAX INC., US
[85] 2024-05-09
[86] 2022-11-11 (PCT/US2022/079741)
[87] (WO2023/086954)
[30] US (17/455,015) 2021-11-15

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[13] A1
[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 43/40 (2006.01) A01N 43/653 (2006.01) A01N 47/14 (2006.01) A01N 57/20 (2006.01) A01P 3/00 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **DITHIOCARBAMATE FUNGICIDE COMBINATIONS AND COMPOSITIONS THEREOF**
[54] **COMBINAISONS FONGICIDES DITHIOCARBAMATES ET COMPOSITIONS DE CELLES-CI**
[72] ROY, SUGATA, IN
[72] GORLOVETSKY, IVAN, IL
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2024-05-09
[86] 2022-11-11 (PCT/IL2022/051206)
[87] (WO2023/084524)
[30] IN (202111052034) 2021-11-12

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[13] A1
[51] **Int.Cl. G01N 21/29 (2006.01)**
[25] EN
[54] **SELF-CALIBRATING DIAGNOSTIC DEVICE AND SYSTEMS AND METHODS FOR USE THEREOF**
[54] **DISPOSITIF ET SYSTEMES DE DIAGNOSTIC A AUTOETALONNAGE ET LEURS PROCEDES D'UTILISATION**
[72] KESSLER, YOAV, IL
[72] AVNER, AMIT, IL
[71] LABRADOR SCIENCES LTD., IL
[85] 2024-05-09
[86] 2022-11-23 (PCT/IL2022/051245)
[87] (WO2023/095132)
[30] US (63/282,223) 2021-11-23

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[13] A1
[51] **Int.Cl. G01N 33/533 (2006.01)**
[25] EN
[54] **NOVEL FORMULATION FOR DRYING OF POLYMER DYE CONJUGATED ANTIBODIES**
[54] **NOUVELLE FORMULATION POUR LE SECHAGE D'ANTICORPS CONJUGUES A UN COLORANT POLYMERE**
[72] JARARE, ADITYA, US
[72] VENKATESH, RAJESH, US
[72] CHAWLA, SUMEET, US
[72] JIVRAJANI, MEHUL, US
[72] ARORA, NAINA, US
[72] JAKKA, GOPINADH, US
[72] SRINIVASAN, SHIVA RANJINI, US
[71] BECKMAN COULTER, INC., US
[85] 2024-05-09
[86] 2021-11-12 (PCT/US2021/059251)
[87] (WO2023/086103)

[21] **3,237,878**
[13] A1
[51] **Int.Cl. E01B 5/02 (2006.01) E01B 5/18 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN RAILROAD RAIL PROFILE**
[54] **AMELIORATIONS APPORTEES AU PROFIL DE RAIL FERROVIAIRE**
[72] AKIRA BONK, PAULO, BR
[71] AKIRA BONK, PAULO, BR
[85] 2024-05-09
[86] 2022-03-24 (PCT/BR2022/050105)
[87] (WO2023/178393)

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[21] **3,236,039**
[13] A1
[25] EN
[54] **DOWNHOLE TOOLS WITH PROGRESSIVE CAVITY SECTIONS, AND RELATED METHODS OF USE AND ASSEMBLY**
[54] **OUTILS DE FOND DE TROU A SECTIONS DE CAVITE PROGRESSIVES, ET METHODES D'UTILISATION ET ASSEMBLAGE ASSOCIEES**
[72] PEARSON, ALLAN, CA
[72] LUCHAK, MARK, CA
[72] SCHEMING, OXANA, CA
[72] OSATCHUK, MATT, CA
[72] VENABLES, ERIN, CA
[72] NKWOCHA, CHIMERE, CA
[72] SAMUEL, GEOFF, CA
[72] KJELLBOTN, PETER, CA
[71] CROSSBERRY HOLDINGS LIMITED, GB
[22] 2017-11-14
[41] 2018-05-11
[62] 2,985,258
[30] US (62/420,923) 2016-11-11
[30] CA (2961629) 2017-03-22

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[21] **3,236,946**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01) E05B 47/02 (2006.01) E05B 65/10 (2006.01)**
[25] EN
[54] **ELECTRIC LATCH RETRACTION WITH POWER INTERRUPT**
[54] **RETRACTION DE VERROU ELECTRIQUE AVEC INTERRUPTION DE COURANT**
[72] FODSTAD, JASON, US
[72] LEHNER, JACK, US
[72] STALTER, JOHN, US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2019-11-21
[41] 2020-05-28
[62] 3,120,854
[30] US (16/197,511) 2018-11-21

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[21] **3,236,972**
[13] A1
[25] EN
[54] **PHYSIOLOGICAL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE PHYSIOLOGIQUE**
[72] NAGY, MICHAEL L., US
[72] ROWLAND, HARRY, US
[72] JOHNSON, ARIEL, US
[72] QUAS, BRETT, US
[71] ENDOTRONIX, INC., US
[22] 2018-07-19
[41] 2019-01-24
[62] 3,069,230
[30] US (62/534,261) 2017-07-19

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[21] **3,236,982**
[13] A1
[51] **Int.Cl. A61H 39/04 (2006.01) A61F 5/37 (2006.01) A61H 39/02 (2006.01) A61H 39/06 (2006.01)**
[25] EN
[54] **HEALTH CARE DEVICE, HEALTH CARE BODY, HEALTH CARE METHOD AND HEALTH CARE SYSTEM**
[54] **DISPOSITIF DE SOINS DE SANTE, CORPS DE SOINS DE SANTE, METHODE DE SOINS DE SANTE ET SYSTEME DE SOINS DE SANTE**
[72] TSAI, CHING-FU, TW
[71] TAO MINING CO., LTD., TW
[22] 2020-04-30
[41] 2021-11-04
[62] 3,170,626

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[21] **3,236,984**
[13] A1
[51] **Int.Cl. A61H 39/04 (2006.01) A61F 5/37 (2006.01) A61H 39/02 (2006.01) A61H 39/06 (2006.01)**
[25] EN
[54] **HEALTH CARE DEVICE, HEALTH CARE BODY, HEALTH CARE METHOD AND HEALTH CARE SYSTEM**
[54] **DISPOSITIF DE SOINS DE SANTE, CORPS DE SOINS DE SANTE, METHODE DE SOINS DE SANTE ET SYSTEME DE SOINS DE SANTE**
[72] TSAI, CHING-FU, TW
[71] TAO MINING CO., LTD., TW
[22] 2020-04-30
[41] 2021-11-04
[62] 3,170,626

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[21] **3,237,026**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR WI-FI SENSING**
[54] **SYSTEMES ET PROCEDES DE DETECTION WI-FI**
[72] BEG, CHRIS, CA
[72] OMER, MOHAMMAD, CA
[71] COGNITIVE SYSTEMS CORP., CA
[22] 2022-02-14
[41] 2022-08-18
[62] 3,173,361
[30] US (63/149,473) 2021-02-15

[21] **3,237,040**
[13] A1
[25] EN
[54] **DEUTERATED NUCLEOSIDE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES NUCLEOSIDES DEUTERES ET LEUR UTILISATION**
[72] LI, PENG, CN
[72] LI, XIAOLIN, CN
[72] YANG, YAXUN, CN
[72] LUO, ZHI, CN
[72] HE, HAIYING, CN
[72] CHEN, SHUHUI, CN
[71] MEDSHINE DISCOVERY INC., CN
[22] 2023-05-17
[41] 2023-11-23
[62] 3,227,999
[30] CN (202210548373.7) 2022-05-17
[30] CN (202210695557.6) 2022-06-15
[30] CN (202211002496.7) 2022-08-19
[30] CN (202310213459.9) 2023-03-07

[21] **3,237,043**
[13] A1
[51] **Int.Cl. C12N 9/64 (2006.01) A61K 47/64 (2017.01) A61K 38/48 (2006.01) A61P 17/02 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COLLAGENASE-DERIVED PEPTIDES PROMOTE TISSUE REGENERATION AND WOUND HEALING**
[54] **LES PEPTIDES DERIVES DE LA COLLAGENASE ACTIVENT LA REGENERATION TISSULAIRE ET LA CICATRISATION DES PLAIES**
[72] HERMAN, IRA M., US
[72] DEMIDOVA-RICE, TATIANA, US
[71] TUFTS UNIVERSITY, US
[22] 2015-12-11
[41] 2016-06-16
[62] 3,007,181
[30] US (62/091,444) 2014-12-12

[21] **3,237,052**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR SUPPORT OF LOCATION FOR THE INTERNET OF THINGS**
[54] **PROCEDES ET SYSTEMES DE PRISE EN CHARGE DE LOCALISATION POUR L'INTERNET DES OBJETS**
[72] EDGE, STEPHEN WILLIAM, US
[71] QUALCOMM INCORPORATED, US
[22] 2017-06-26
[41] 2018-03-01
[62] 3,031,214
[30] US (62/377,654) 2016-08-21
[30] US (62/404,733) 2016-10-05
[30] US (15/409,468) 2017-01-18

[21] **3,237,053**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING COMPLEMENTARY DATA FOR VISUAL DISPLAY**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE DONNEES COMPLEMENTAIRES POUR AFFICHAGE VISUEL**
[72] WINOLD, HANS, US
[72] WHITE, JOSEPH, US
[72] CORNIEL, RYAN, US
[72] GUTENTAG, MARK SAMUEL, US
[72] LOCKHART, JOHN, US
[71] PENUMBRA, INC., US
[22] 2019-07-22
[41] 2020-03-26
[62] 3,111,430
[30] US (62/734,824) 2018-09-21

[21] **3,237,083**
[13] A1
[25] EN
[54] **SNOWMOBILE**
[54] **MOTONEIGE**
[72] RIPLEY, ANTHONY J., US
[72] SAMPSON, MARTIN ELLIOTT, US
[72] CONN, JEFFREY DENZEL, US
[72] WILSON, LUC, US
[72] EATON, JEFFREY A., US
[72] DAHLGREN, LYLE J., US
[72] FISHER, CAMERON D., US
[72] GLISSMEYER, BRANDON D., US
[72] SWEERE, MATTHEW M., US
[71] POLARIS INDUSTRIES INC., US
[22] 2015-07-22
[41] 2016-01-28
[62] 3,172,648
[30] US (14/338,969) 2014-07-23
[30] US (14/339,180) 2014-07-23
[30] US (14/339,192) 2014-07-23
[30] US (14/338,871) 2014-07-23

[21] **3,237,086**
[13] A1
[25] EN
[54] **NEAR NET SHAPE ADDITIVE MANUFACTURING**
[54] **FABRICATION ADDITIVE DE FORME QUASI NETTE**
[72] SUSNJARA, KENNETH J., US
[72] SMIDDY, BRIAN S., US
[72] FUQUAY, JOHN, US
[71] THERMWOOD CORPORATION, US
[22] 2020-11-20
[41] 2021-05-27
[62] 3,155,398
[30] US (16/692,825) 2019-11-22

[21] **3,237,093**
[13] A1
[51] **Int.Cl. F16L 58/10 (2006.01) F16L 59/14 (2006.01) F16L 59/147 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **VENTILATION CONDUIT MANUFACTURING METHOD**
[54]
[72] FOREST, PHILIPPE, CA
[72] LAVOIE RONDEAU, PIER-FELIX, CA
[71] 9415-2667 QUEBEC INC., CA
[22] 2022-02-21
[41] 2022-08-25
[62] 3,176,366
[30] US (63/151,311) 2021-02-19

[21] **3,237,163**
[13] A1
[25] EN
[54] **WIRELESS CONTROL DEVICE HAVING AN ANTENNA ILLUMATED WITH VISIBLE LIGHT**
[54] **DISPOSITIF DE COMMANDE SANS FIL COMPRENANT UNE ANTENNE ECLAIREE PAR DE LA LUMIERE VISIBLE**
[72] COURTNEY, BRIAN MICHAEL, US
[72] MCDONALD, MATTHEW PHILLIP, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[22] 2016-10-28
[41] 2017-05-04
[62] 3,151,813
[30] US (62/248,754) 2015-10-30
[30] US (15/337,543) 2016-10-28

[21] **3,237,179**
[13] A1
[25] EN
[54] **FILL SHEETS AND RELATED FILL PACK ASSEMBLIES**
[54] **FEUILLES DE REMPLISSAGE ET ENSEMBLES DE SUPPORTS DE REMPLISSAGE ASSOCIES**
[72] EDWARDS, BRIAN, US
[72] BHAT, ADITYA, US
[72] KULICK, FRANK M., III, US
[71] BRENTWOOD INDUSTRIES, INC., US
[22] 2020-12-04
[41] 2021-06-24
[62] 3,176,007
[30] US (62/951,365) 2019-12-20
[30] US (17/082,589) 2020-10-28
[30] US (17/082,797) 2020-10-28

[21] **3,237,214**
[13] A1
[25] EN
[54] **SYSTEM, METHOD AND/OR COMPUTER READABLE MEDIUM FOR MONITORING AND PREDICTIVELY CONTROLLING CLOSED ENVIRONMENTS**
[54] **SYSTEME, PROCEDE ET/OU SUPPORT LISIBLE PAR ORDINATEUR POUR SURVEILLER ET COMMANDER DE MANIERE PREDICTIVE DES ENVIRONNEMENTS FERMES**
[72] SOLOMON, VERNON, CA
[72] STYLES, AARON, CA
[72] TYPA, ADRIAN, CA
[72] CURRY, FORREST C., CA
[72] WHITE, JOHN R., CA
[72] ADAMS, CHRIS, CA
[72] BOWLES, JEFFREY R., CA
[72] BOWLES, ADAM, CA
[71] ESC INNOVATES INC., CA
[22] 2022-08-23
[41] 2023-03-02
[62] 3,192,075
[30] US (63/235,973) 2021-08-23

[21] **3,237,240**
[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01) G01S 5/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LOCATING ITEMS IN A FACILITY**
[54] **SYSTEMES ET PROCEDES POUR LOCALISER DES ARTICLES DANS UNE INSTALLATION**
[72] SIMON, PIERRE-MICHEL G., FR
[72] SANSUR, MICHAEL, US
[71] SENSORMATIC ELECTRONICS LLC, CH
[22] 2016-06-03
[41] 2016-12-08
[62] 2,991,287
[30] US (14/730,429) 2015-06-04

[21] **3,237,254**
[13] A1
[25] EN
[54] **RETICLE AND TELESCOPIC SIGHT EQUIPPED THEREWITH, FIREARM HAVING THE SAME, AND METHOD FOR DISTANCE DETERMINATION USING THE RETICLE**
[54] **RETICULE ET MIRE TELESCOPIQUE EQUIPEE DUDIT RETICULE, ARME A FEU COMPORTANT LEDIT RETICULE, ET METHODE DE DETERMINATION DE LA DISTANCE AU MOYEN DUDIT RETICULE**
[72] HOLLER, JONAS, DE
[72] HOLZMANN, MICHAEL, DE
[72] HENNEMANN, JORG, DE
[72] PEHLKE, THOMAS, DE
[72] BROWN, KYLE, US
[71] SCHMIDT & BENDER GMBH & CO. KG, DE
[22] 2018-01-11
[41] 2018-07-16
[62] 2,991,627
[30] DE (102017100720.2) 2017-01-16

[21] **3,237,319**
[13] A1
[25] EN
[54] **SMART WELDING HELMETS WITH ARC TIME TRACKING VERIFICATION AND LENS MAINTENANCE DETECTION**
[54] **MASQUES DE SOUDEUR INTELLIGENTS COMPRENANT LA VERIFICATION DU SUIVI DE TEMPS DE SOUDAGE A L'ARC ET LA DETECTION D'ENTRETIEN DE LENTILLE**
[72] BECKER, WILLIAM JOSHUA, US
[72] RAPPL, JAMES FRANCIS, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-12-12
[41] 2022-06-14
[62] 3,141,970
[30] US (63/125,097) 2020-12-14
[30] US (17/539,617) 2021-12-01

[21] **3,237,329**
[13] A1
[25] EN
[54] **REINFORCEMENT STRUCTURES FOR TENSIONLESS CONCRETE PIER FOUNDATIONS AND METHODS OF CONSTRUCTING THE SAME**
[54] **STRUCTURES DE RENFORCEMENT POUR DES FONDATIONS DE PILIER EN BETON SANS TENSION ET METHODES DE CONSTRUCTION**
[72] HENDERSON, ALLAN P., US
[71] TERRACON CONSULTANTS, INC., US
[22] 2019-07-25
[41] 2020-07-31
[62] 3,050,664
[30] US (62/799.359) 2019-01-31
[30] US (16/518.117) 2019-07-22

[21] **3,237,350**
[13] A1
[25] EN
[54] **MESH NETWORK COMMISSIONING**
[54] **MISE EN SERVICE D'UN RESEAU MAILLE**
[72] TURON, MARTIN A., US
[72] ERICKSON, GRANT M., US
[72] BOROSS, CHRISTOPHER A., US
[72] LOGUE, JAY D., US
[71] GOOGLE LLC, US
[22] 2015-06-24
[41] 2015-12-30
[62] 3,172,139
[30] US (62/016,450) 2014-06-24
[30] US (62/063,135) 2014-10-13
[30] US (62/115,601) 2015-02-12
[30] US (62/141,853) 2015-04-02

[21] **3,237,359**
[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/068 (2006.01)**
[25] EN
[54] **DRIVING DEVICE, SURGICAL INSTRUMENT, AND OPERATION METHOD OF SURGICAL INSTRUMENT**
[54] **DISPOSITIF D'ENTRAINEMENT, INSTRUMENT CHIRURGICAL ET METHODE D'UTILISATION DE L'INSTRUMENT CHIRURGICAL**
[72] SUN, BAOFENG, CN
[72] ZHANG, ZHIXING, CN
[71] FULBRIGHT MEDICAL INC., CN
[22] 2020-04-30
[41] 2020-11-05
[62] 3,138,575
[30] CN (201910367363.1) 2019-05-01
[30] CN (201910367362.7) 2019-05-01

[21] **3,237,402**
[13] A1
[25] EN
[54] **IMPROVEMENTS FOR MATERIAL FORMING**
[54] **AMELIORATIONS APPORTEES AU FORMAGE DE MATERIAUX**
[72] HENRIKSSON, ERIKA, SE
[71] CELL IMPACT AB, SE
[22] 2019-09-26
[41] 2020-04-02
[62] 3,111,781
[30] SE (1851166-7) 2018-09-28

[21] **3,237,405**
[13] A1
[25] EN
[54] **USE OF AN ANTIBIOTIC IN A TRANSDERMAL CREAM IN THE TREATMENT OF CELLULITIS AND PRE-OPERATIVE TREATMENT**
[54] **UTILISATION D'UN ANTIBIOTIQUE DANS UNE CREME TRANSDERMIQUE DANS LE TRAITEMENT DE LA CELLULITE ET LE TRAITEMENT PREOPERATOIRE**
[72] MUSITANO, PATRICK, CA
[72] ZALZAL, PAUL, CA
[71] 1000305261 ONTARIO INC O/A KAZM, CA
[22] 2019-12-27
[41] 2020-06-28
[62] 3,066,134
[30] US (62/785,758) 2018-12-28

[21] **3,237,478**
[13] A1
[25] EN
[54] **RANDOM WAVELENGTH METER**
[54] **DISPOSITIF DE MESURE DE LONGUEUR D'ONDE ALEATOIRE**
[72] DHOLAKIA, KISHAN, GB
[72] MAZILU, MICHAEL, GB
[72] METZGER, KLAUS, GB
[71] UNIVERSITY COURT OF THE UNIVERSITY OF ST ANDREWS, GB
[22] 2014-10-29
[41] 2015-05-07
[62] 2,928,892
[30] GB (1319079.8) 2013-10-29

[21] **3,237,527**
[13] A1
[51] **Int.Cl. H05B 47/175 (2020.01) H05B 47/19 (2020.01) H04W 4/80 (2018.01)**
[25] EN
[54] **LIGHT FIXTURE CONTROLLABLE VIA DUAL NETWORKS**
[54] **APPAREIL D'ECLAIRAGE CONTROLABLE AU MOYEN DE DEUX RESEAUX**
[72] RODRIGUEZ, YAN, US
[71] ABL IP HOLDING LLC, US
[22] 2021-08-27
[41] 2022-02-28
[62] 3,129,183
[30] US (63/071,432) 2020-08-28

[21] **3,237,529**
[13] A1
[25] EN
[54] **SENSING AND CONTROL OF ACCESS CONTROL DEVICES**
[54] **DETECTION ET COMMANDE DE DISPOSITIFS DE CONTROLE D'ACCES**
[72] KUSANALE, VISHAL S., IN
[72] VEDAMURTHY, AVINASH K., IN
[72] CARPENTER, JOHN C., US
[71] SCHLAGE LOCK COMPANY LLC, US
[22] 2020-08-06
[41] 2021-02-11
[62] 3,150,013
[30] US (16/532,999) 2019-08-06

[21] **3,237,547**
[13] A1
[25] EN
[54] **AUTONOMOUS MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE AUTONOME**
[72] ISANO, TAISUKE, US
[72] LESCHINSKY, CONNOR, US
[72] ELSAGHIR, HESHAM, US
[72] PASCUAL, LEONARD, US
[72] WHEELESS, THOMAS, US
[72] RISQUE, PAUL, US
[71] CANON VIRGINIA, INC., US
[22] 2019-08-28
[41] 2020-03-05
[62] 3,110,492
[30] US (62/725,137) 2018-08-30
[30] US (62/818,432) 2019-03-14

[21] **3,237,630**
[13] A1
[25] EN
[54] **AN IMPROVED EXPRESSION CASSETTE FOR PACKAGING AND EXPRESSION OF VARIANT FACTOR VIII FOR THE TREATMENT OF HEMOSTASIS DISORDERS**
[54] **CASSETTE D'EXPRESSION AMELIOREE POUR LE CONDITIONNEMENT ET L'EXPRESSION DE VARIANTES DU FACTEUR VIII POUR LE TRAITEMENT DES TROUBLES DE L'HEMOSTASE**
[72] SABATINO, DENISE, US
[72] HIGH, KATHERINE A., US
[72] ELKOUBY, LIRON, US
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US
[22] 2015-08-13
[41] 2016-02-18
[62] 2,958,141
[30] US (62/036,936) 2014-08-13

[21] **3,237,709**
[13] A1
[25] EN
[54] **SYSTEM FOR COLLECTING INJECTION INFORMATION**
[54] **SYSTEME DE COLLECTE D'INFORMATIONS D'INJECTION**
[72] DIAZ, STEPHEN H., US
[72] SHLUZAS, ALAN E., US
[72] SHANLEY, JOHN F., US
[72] TILLACK, JEFF, US
[72] MERHIGE, JOHN, US
[72] LITVACK, FRANK, US
[72] THAYER, DAN, US
[71] CREDENCE MEDSYSTEMS, INC., US
[22] 2018-05-21
[41] 2018-11-22
[62] 3,063,538
[30] US (62/508,508) 2017-05-19

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