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CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

[41] - Open to Public Inspection Date
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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 September 6, 2022 contains applications open to public inspection from August 21, 2022 to August 27, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 6 septembre 2022 contient les demandes disponibles au public pour consultation pour la période du 21 août 2022 au 27 août 2022.

16. Erratum

All information respecting patent application number 3,086,115 referred to under the section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*, contained in Vol. 149 No. 11 March 16, 2021, in the issue of the *Canadian Patent Office Record,* were erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet numéro 3,086,115 mentionné dans la rubrique *Demandes Canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*, contenues dans le Vol. 149 No11 du 16 mars 2021, de la gazette du bureau des brevets, ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

September 6, 2022

Brevets canadiens délivrés

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[54] **ANIMAL FEED COMPOSITIONS FOR CONTROLLING COCCIDIOSIS IN ANIMALS**
[54] **COMPOSITIONS D'ALIMENTATION ANIMALE SERVANT A CONTROLER LA COCCIDIOSE CHEZ LES ANIMAUX**
[72] THANGAVEL, GOKILA, IN
[72] MUKKALIL, RAJALEKSHMI, IN
[72] CHIRAKKAL, HARIDASAN, IN
[72] KURIAN, HANNAH, IN
[72] SCHOETERS, ELKE, BE
[72] WOUTERS, HILDE, BE
[72] MAST, ILSE, BE
[73] KEMIN INDUSTRIES, INC., US
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[86] 2013-06-27 (PCT/US2013/048064)
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[30] IN (177/DEL/2013) 2013-01-23

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[25] FR
[54] **WHEEL FORMING AN IMPROVED AGRICULTURAL MACHINE**
[54] **ROUE FORMANT OUTIL AGRICOLE AMELIORE**
[72] PHELY, OLIVIER, FR
[73] OTICO, FR
[86] (2879642)
[87] (2879642)
[22] 2015-01-22
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[25] EN
[54] **SECURE DISTRIBUTION OF ELECTRONIC CONTENT**
[54] **DISTRIBUTION SECURISEE DE CONTENU ELECTRONIQUE**
[72] GIORDANO, GIUSEPPE, FR
[72] VIALE, EMMANUEL, FR
[72] DELINSELLE, JEAN-BAPTISTE, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2884224)
[87] (2884224)
[22] 2015-03-11
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[25] EN
[54] **FORMATION CORE SAMPLE HOLDER ASSEMBLY AND TESTING METHOD FOR NUCLEAR MAGNETIC RESONANCE MEASUREMENTS**
[54] **ENSEMBLE SUPPORT D'ECHANTILLON DE CAROTTE DE FORMATION ET PROCEDE DE TEST POUR MESURES DE RESONANCE MAGNETIQUE NUCLEAIRE**
[72] YANG, ZHENG, US
[72] SUN, BOQIN, US
[72] ZINTSMASTER, JOHN S., US
[72] LATORRACA, GERALD, US
[72] PRADHAN, AJIT R., US
[73] CHEVRON U.S.A. INC., US
[85] 2015-04-14
[86] 2014-05-02 (PCT/US2014/036600)
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[30] US (13/894,150) 2013-05-14

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[25] EN
[54] **SAWING MACHINE AND METHOD FOR CONTROLLING A SAWING MACHINE**
[54] **MACHINE DE SCIAGE ET METHODE DE CONTROLE D'UNE MACHINE DE SCIAGE**
[72] STOLZER, ARMIN, DE
[72] OBERLE, MARKUS, DE
[73] KEURO BESITZ GMBH & CO. EDV-DIENSTLEISTUNGS KG, DE
[86] (2889354)
[87] (2889354)
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[25] EN
[54] **ADJUSTMENT HOUSING ASSEMBLY AND MONITORING AND SUPPORT SYSTEM FOR A ROTARY FEEDER IN A CELLULOSE CHIP FEEDING SYSTEM FOR A CONTINUOUS DIGESTER**
[54] **DISPOSITIF DE LOGEMENT D'AJUSTEMENT ET SYSTEME DE SURVEILLANCE ET DE SOUTIEN POUR UN DISTRIBUTEUR ROTATIF DANS UN DISPOSITIF DISTRIBUTEUR DE COPEAU DE CELLULOSE POUR UN DIGESTEUR CONTINU**
[72] VOGEL, KEITH, US
[72] SULLIVAN, THOMAS, US
[73] ANDRITZ INC., US
[86] (2889403)
[87] (2889403)
[22] 2015-04-24
[30] US (61/993,513) 2014-05-15
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[51] **Int.Cl. C12N 15/29 (2006.01)**
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[54] **IMPROVED ACYLTRANSFERASE POLYNUCLEOTIDES, POLYPEPTIDES, AND METHODS OF USE**
[54] **POLYNUCLEOTIDES D'ACYLTRANSFERASE AMELIORES, POLYPEPTIDES ET PROCEDES D'UTILISATION**
[72] ROBERTS, NICHOLAS JOHN, NZ
[72] CURRAN, AMY CHRISTINA, US
[72] WINICHAYAKUL, SOMRUTAI, NZ
[72] ROLDAN, MARISSA, NZ
[72] SCOTT, RICHARD WILLIAM, NZ
[72] TAYLOR, DAVID CHARLES, CA
[72] MARILLIA, ELIZABETH-FRANCE, CA
[73] AGRESEARCH LIMITED, NZ
[73] NATIONAL RESEARCH COUNCIL OF CANADA (NRC), CA
[85] 2015-04-29
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[54] **BIOPSY DEVICE AND METHOD OF USE**
[54] **DISPOSITIF DE BIOPSIE ET SON PROCEDE D'UTILISATION**
[72] LAMPROPOULOS, FRED, US
[72] AGHA, AYAD, US
[72] ACCISANO, NICHOLAS GERALD, US
[73] MERIT MEDICAL SYSTEMS, INC., US
[85] 2015-05-06
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[54] **PARTICULATE ZINC OXIDE WITH MANGANESE, IRON AND COPPER DOPANT IONS**
[54] **OXYDE DE ZINC EN PARTICULES COMPORTANT DES IONS MANGANESE, FER ET CUIVRE DOPANTS**
[72] DALY, SUSAN, US
[72] GUNN, EUEN THOMAS GRAHAM EKMAN, US
[72] ZHANG, YONGYI, US
[73] JOHNSON & JOHNSON CONSUMER INC., US
[86] (2890509)
[87] (2890509)
[22] 2015-05-04
[30] US (14/269,416) 2014-05-05

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[25] EN
[54] **MODELING A BED PLATE AND ITS USE**
[54] **MODELISATION D'UNE PLAQUE DE LIT ET DE SON UTILISATION**
[72] ZIMMERMAN, VERONICA ROSE, CA
[72] MCBRIEN, ROBERT KEVIN, CA
[72] QUAIATTINI, ROBERT JOSEPH LOUIS, CA
[72] KER, VICTORIA, CA
[72] JIANG, YAN, CA
[73] NOVA CHEMICALS CORPORATION, CA
[86] (2891002)
[87] (2891002)
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[25] EN
[54] **BRAKE CONTROLLER**
[54] **CONTROLEUR DE FREIN**
[72] DOLFI, EUGENE W., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2892110)
[87] (2892110)
[22] 2015-05-20
[30] US (14/283,922) 2014-05-21

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[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING MERCHANT FRAUD ALERTS**
[54] **SYSTEMES ET METHODES D'ALERTES DE FRAUDE TRANSMISES AUX MARCHANDS**
[72] JIVRAJ, SALIM, CA
[72] VAN HEERDEN, LAUREN, US
[72] CUMMINS, MICHAEL D., CA
[72] SIVASHANMUGAM, PARABAHARAN, US
[72] JESCHKE, GERALD, CA
[72] CHAK, ANDREW, CA
[72] STEPHENSON, MIKE, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[72] DEL VECCHIO, ORIN, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2892891)
[87] (2892891)
[22] 2015-05-27
[30] US (62/003,466) 2014-05-27

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[25] EN
[54] **RETRIEVAL TRAILER**
[54] **REMORQUE AMOVIBLE**
[72] ELLEMENT, NATHAN JOHN, AU
[73] BARJOH PTY LTD, AU
[86] (2894088)
[87] (2894088)
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[25] EN
[54] **TARGET CAPTURE SYSTEM**
[54] **SYSTEME DE CAPTURE DE CIBLE**
[72] CLARIZIA, LISA-JO ANN, US
[72] ADAMS, EDDIE W., US
[72] DRYGA, SERGEY A., US
[72] NORVELL, MEGHAN E., US
[72] DYKES, COLIN, US
[72] BARR, ALEXANDRA, US
[72] SITDIKOV, RAVIL A., US
[72] TORRANCE, MAGDALENA A., US
[72] ALEY, DAVID K., US
[72] SMITH, ERIK J., US
[72] ESCH, VICTOR C., US
[72] MACEMON, JAMES H., US
[72] VANDERVEST, JACLYN, US
[73] DNAE GROUP HOLDINGS LIMITED, GB
[85] 2015-06-18
[86] 2013-12-19 (PCT/US2013/076649)
[87] (WO2014/100456)
[30] US (61/739,644) 2012-12-19
[30] US (61/739,511) 2012-12-19
[30] US (61/739,575) 2012-12-19
[30] US (61/739,618) 2012-12-19
[30] US (61/739,577) 2012-12-19
[30] US (61/739,616) 2012-12-19
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[51] **Int.Cl. B01D 19/02 (2006.01)**
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[54] **CHEMICAL-FREE FOAM CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONTROLE DE MOUSSE SANS PRODUIT CHIMIQUE**
[72] EMKEY, WILLIAM LEWIS, US
[73] CHEMFREE DEFOAM LLC, US
[86] (2895996)
[87] (2895996)
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[30] US (62/019,469) 2014-07-01
[30] US (14/754,322) 2015-06-29

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[51] **Int.Cl. G01S 5/02 (2010.01)**
[25] EN
[54] **LOCATION OF A DISTRESS BEACON**
[54] **REPERAGE DE BALISE DE DETRESSE**
[72] CALMETTES, THIBAUD PIERRE JEAN, FR
[72] PETCU, EMANUELA ANA MARIA, FR
[72] GREGOIRE, YOAN, FR
[73] THALES, FR
[73] CENTRE NATIONAL D'ETUDES SPATIALES, FR
[86] (2896204)
[87] (2896204)
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[30] FR (1401510) 2014-07-04

[11] **2,897,340**
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[51] **Int.Cl. C12Q 1/37 (2006.01) G01N 33/542 (2006.01) G01N 33/569 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR IN VITRO DETECTION AND MONITORING OF A DISEASE BY MEASURING DISEASE-ASSOCIATED PROTEASE ACTIVITY IN EXTRACELLULAR VESICLES**
[54] **METHODE DE DETECTION IN VITRO ET SURVEILLANCE D'UNE MALADIE EN MESURANT L'ACTIVITE DE PROTEASE ASSOCIEE A LA MALADIE DANS LES VESICULES EXTRACELLULAIRES**
[72] BAUR, ANDREAS, DE
[72] SAKSELA, KALLE, FI
[72] SCHULER, GEROLD, DE
[73] FRIEDRICH-ALEXANDER-UNIVERSITAT ERLANGEN-NUERNBERG, DE
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[86] 2014-01-09 (PCT/EP2014/050335)
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[30] EP (13000071.4) 2013-01-09
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[51] **Int.Cl. A23C 9/142 (2006.01) A23J 1/20 (2006.01) A23J 3/10 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING BETA-CASEIN COMPOSITIONS AND RELATED PRODUCTS**
[54] **PROCEDE DE PRODUCTION DE COMPOSITIONS DE BETA-CASEINE ET PRODUITS APPARENTES**
[72] CHRISTENSEN, JESPER, DK
[72] HOLST, HANS HENRIK, DK
[73] ARLA FOODS AMBA, DK
[85] 2015-07-10
[86] 2014-01-23 (PCT/EP2014/051315)
[87] (WO2014/114709)
[30] EP (13152410.0) 2013-01-23
[30] US (61/755,732) 2013-01-23

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[25] EN
[54] **PET FOOD HAVING MODIFIED WAXY CASSAVA STARCH**
[54] **NOURRITURE POUR ANIMAUX RENFERMANT DE L'AMIDON DE MANIOC CIREUX**
[72] HANCHETT, DOUGLAS J., US
[72] ODORISIO, CHRISTINA, US
[72] CHAE, HANJOO, US
[73] CORN PRODUCTS DEVELOPMENT, INC., BR
[86] (2900469)
[87] (2900469)
[22] 2015-08-14
[30] US (62/037,840) 2014-08-15
[30] US (14/788,872) 2015-07-01

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[25] EN
[54] **ACTIVATED CARBON FILTRATION FOR PURIFICATION OF BENZODIAZEPINE ADCS**
[54] **FILTRATION PAR CHARBON ACTIF POUR LA PURIFICATION D'ADC DE BENZODIAZEPINE**
[72] MEYER, DAMON, US
[72] SUN, MICHAEL, US
[73] SEAGEN INC., US
[85] 2015-08-13
[86] 2014-03-12 (PCT/US2014/024058)
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[30] US (61/780,131) 2013-03-13
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[54] **COMBINED HUD/HDD DISPLAY**
[54] **AFFICHAGE HUD/HDD COMBINE**
[72] GARCIA, JOSEPH H., US
[73] L3 COMMUNICATIONS CORPORATION, US
[85] 2015-08-17
[86] 2013-12-04 (PCT/US2013/073099)
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[51] **Int.Cl. H01H 31/12 (2006.01) H01H 21/56 (2006.01) H01H 31/28 (2006.01) H02G 15/06 (2006.01)**
[25] EN
[54] **IN-LINE CABLE TERMINATION SYSTEMS FOR ELECTRICAL POWER TRANSMISSION CABLES AND METHODS USING THE SAME**
[54] **DISPOSITIFS DE TERMINAISON DE CABLE EN LIGNE POUR LES CABLES DE TRANSMISSION D'ELECTRICITE ET METHODES D'UTILISATION ASSOCIEES**
[72] RAHMAN, SARZIL, CA
[72] JOHNSON, BARRY JAMES, CA
[72] CACHIA, EDGAR, CA
[73] TYCO ELECTRONICS CANADA ULC, CA
[86] (2901722)
[87] (2901722)
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[30] US (14/478,506) 2014-09-05

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE GENERATION AND USE OF CONFORMATION-SPECIFIC ANTIBODIES**
[54] **PROCEDES ET COMPOSITIONS POUR LA GENERATION ET L'UTILISATION D'ANTICORPS SPECIFIQUES A UNE CONFORMATION**
[72] LU, KUN PING, US
[72] ZHOU, XIAO ZHEN, US
[73] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
[85] 2015-08-28
[86] 2014-03-14 (PCT/US2014/027017)
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[25] EN
[54] **METHOD AND APPARATUS FOR CONDITIONING FLUIDS**
[54] **PROCEDE ET APPAREIL POUR LE CONDITIONNEMENT DE FLUIDES**
[72] HOLLAND, HERBERT W., US
[73] WILSA HOLDINGS, LLC, US
[85] 2015-08-31
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[51] **Int.Cl. E04B 1/38 (2006.01)**
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[54] **BRACKET FOR BRIDGING MEMBER FOR METAL STUD WALL**
[54] **SUPPORT POUR ELEMENT DE JOINTAGE DE MUR A MONTANT METALLIQUE**
[72] RICE, JOHN, CA
[73] BAILEY METAL PRODUCTS LIMITED, CA
[86] (2903509)
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[30] US (62/045,992) 2014-09-04

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[25] EN
[54] **METHOD OF ENHANCING DELIVERY OF THERAPEUTIC COMPOUNDS TO THE EYE**
[54] **PROCEDE POUR AMELIORER L'ADMINISTRATION DE COMPOSES THERAPEUTIQUES A L'OEIL**
[72] PAN, ZHUO-HUA, US
[72] IVANOVA, ELENA, US
[73] WAYNE STATE UNIVERSITY, US
[85] 2015-09-01
[86] 2014-03-13 (PCT/US2014/026224)
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[30] US (61/785,015) 2013-03-14

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[25] EN
[54] **CONTAINER**
[54] **RECIPIENT**
[72] GELOV, TEODOR, US
[72] NICHOLS, KAREN H., US
[72] NORTON, DOUGLAS E., US
[73] TC HEARTLAND LLC, US
[85] 2015-09-09
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[51] **Int.Cl. E02F 5/20 (2006.01) E02F 3/32 (2006.01)**
[25] EN
[54] **SELF-PROPELLED, TOWABLE CORING APPARATUS**
[54] **APPAREIL DE CAROTTAGE REMORQUABLE, AUTO PROPULSE**
[72] POLLOCK, EDWARD MARSHALL, CA
[72] POLLOCK, ANDREW LESLIE, CA
[72] COLANGELO, PASQUALE, CA
[73] UTILICOR TECHNOLOGIES INC., CA
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[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR LOADING SUTURE**
[54] **APPAREIL ET PROCEDES POUR CHARGER UNE SUTURE**
[72] OLDHAM, ANDREW, CA
[72] HARRISON, ROBERT, CA
[72] SAN, AYE NYEIN, CA
[72] GODARA, NEIL, CA
[72] ARNETT, JEFFERY, US
[73] ANCHOR ORTHOPEDICS XT INC., CA
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[30] US (61/791,469) 2013-03-15

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[25] EN
[54] **A FRANGIBLE PLUG FOR USE IN A VALVE MECHANISM**
[54] **UNE PRISE FRANGIBLE DESTINEE A UN MECANISME DE SOUPAPE**
[72] SMITH, PAUL D., GB
[72] RENNIE, PAUL ALAN, GB
[72] DUNSTER, ROBERT G., GB
[73] KIDDE GRAVINER LIMITED, GB
[86] (2908145)
[87] (2908145)
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[30] GB (1418080.6) 2014-10-13

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[51] **Int.Cl. G01B 21/16 (2006.01) G01B 7/14 (2006.01) G01P 13/00 (2006.01) G01B 7/16 (2006.01)**
[25] EN
[54] **DIFFERENTIAL MOTION SENSOR**
[54] **CAPTEUR DE MOUVEMENT DIFFERENTIEL**
[72] CARBONE, MICHAEL, US
[72] DAVIES, STEPHEN, GB
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2908147)
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[22] 2015-10-08
[30] US (14/510,594) 2014-10-09

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[13] C
[51] **Int.Cl. C08L 23/08 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **ETHYLENE INTERPOLYMER FILMS**
[54] **PELLICULES INTERPOLYMERIQUES D'ETHYLENE**
[72] SIBTAIN, FAZLE, CA
[72] DOBBIN, CHRISTOPHER, CA
[72] TAYLOR, KENNETH, CA
[72] WARD, DANIEL, US
[72] LI, MICHAEL, CA
[72] LI, TIEQI, CA
[72] WANG, XIAOCHUAN, CA
[72] KHAKDAMAN, HAMIDREZA, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[25] EN
[54] **STIFFNESS MEASURING MECHANISM, ROTARY TIMBER CHARGER WITH STIFFNESS MEASURING MECHANISM AND METHOD OF OPERATION FOR SAME**
[54] **MECANISME DE MESURE DU RAIDISSEMENT, CHARGEUR DE BILLOT ROTATIF DOTE D'UN MECANISME DE MESURE DU RAIDISSEMENT ET METHODE D'UTILISATION ASSOCIEE**
[72] GRAVEL, CLAUDE, CA
[72] LAROCHELLE, DAVID, CA
[73] SMART MILL BD INC., CA
[86] (2910228)
[87] (2910228)
[22] 2015-10-20
[30] US (62/065,875) 2014-10-20

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[25] EN
[54] **BLEED AIR DUCT LEAK SYSTEM REAL-TIME FAULT DETECTION**
[54] **DETECTION DE DEFAILLANCE EN TEMPS REEL DE FUITE D'AIR DE PRELEVEMENT**
[72] NORRIS, ROBERT J., US
[73] KIDDE TECHNOLOGIES, INC., US
[86] (2911991)
[87] (2911991)
[22] 2015-11-12
[30] US (14/539,485) 2014-11-12

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[51] **Int.Cl. E04G 23/02 (2006.01)**
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[54] **ARRANGEMENT AND METHOD FOR REINFORCING SUPPORTING STRUCTURES**
[54] **SYSTEME ET PROCEDE DE RENFORCEMENT DE STRUCTURES DE SUPPORT**
[72] BERSET, THIERRY, CH
[73] SIKA TECHNOLOGY AG, CH
[85] 2015-12-04
[86] 2014-06-06 (PCT/EP2014/061915)
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[51] **Int.Cl. H04N 19/186 (2014.01) H04N 19/46 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD FOR ENCODING AND METHOD FOR DECODING A COLOUR TRANSFORM AND CORRESPONDING DEVICES**
[54] **PROCEDE DE CODAGE ET PROCEDE DE DECODAGE D'UNE TRANSFORMATION DE COULEUR ET DISPOSITIFS CORRESPONDANTS**
[72] ANDRIVON, PIERRE, FR
[72] BORDES, PHILIPPE, FR
[72] JOLLY, EMMANUEL, FR
[73] INTERDIGITAL VC HOLDINGS, INC., US
[85] 2015-12-23
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[30] EP (13306010.3) 2013-07-15
[30] EP (13306068.1) 2013-07-24
[30] EP (13306291.9) 2013-09-23
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[25] EN
[54] **LENGTH ADJUSTABLE WIRE ROPE RIGGING DEVICE AND LIFTING SYSTEM EMPLOYING THE SAME**
[54] **DISPOSITIF DE GREEMENT DE CORDAGE A LONGUEUR REGLABLE ET DISPOSITIF DE LEVAGE L'EMPLOYANT**
[72] HILLGARDNER, BRAD, CA
[73] HILLGARDNER, BRAD, CA
[86] (2917368)
[87] (2917368)
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[51] **Int.Cl. E03D 9/02 (2006.01)**
[25] EN
[54] **SELF-CLEANING TOILET ASSEMBLY AND SYSTEM**
[54] **ENSEMBLE TOILETTES AUTONETTOYANTES ET SYSTEME**
[72] BUCHER, CHRISTOPHE, US
[72] GROVER, DAVID, US
[72] BARNDT, RONALD, US
[72] SEGGIO, FRANK, US
[72] MCHALE, JAMES, US
[72] CICENAS, CHRIS, US
[72] O'KELLY, MATTHEW, US
[73] AS AMERICA, INC., US
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[30] US (61/881,948) 2013-09-24
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[25] EN
[54] **MICROFLUIDIC CELL CULTURE SYSTEMS**
[54] **SYSTEMES MICROFLUIDIQUES DE CULTURE CELLULAIRE**
[72] MAGDESIAN, MARGARET HAIGANOUCH, CA
[72] THOSTRUP, PETER, DK
[73] 9493662 CANADA INC., CA
[85] 2016-01-25
[86] 2014-07-29 (PCT/CA2014/000589)
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[54] **GROUND FAULT MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE DEFAUT A LA TERRE**
[72] SEFF, PAUL DAVID, US
[72] DRUEKE, CHRISTOPHER EMMONS, US
[72] EASTON, JASON DEMETRIOS, US
[72] YOUNG, TYLER DEVON, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[86] (2919628)
[87] (2919628)
[22] 2016-02-01
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[25] EN
[54] **SELF-ACTING PRESSURE DRAIN VALVE**
[54] **ROBINET DE PURGE A PRESSION A ACTIONNEMENT AUTOMATIQUE**
[72] MCAULIFFE, CHRISTOPHER, US
[72] PALMER, NIGEL, US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2919814)
[87] (2919814)
[22] 2016-02-02
[30] US (14/612,525) 2015-02-03

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[25] EN
[54] **METHODS AND SYSTEMS FOR SCHEDULING PROCEDURES SUCH AS TOILETING**
[54] **METHODES ET SYSTEMES DE PLANIFICATION DE PROCEDURES COMME LA TOILETTE**
[72] MASHIN-CHI, HADI, AU
[72] CURRAN, PETER, AU
[72] AIGNER, PETER HUBERTUS, AU
[73] FRED BERGMAN HEALTHCARE PTY LTD, AU
[85] 2016-02-01
[86] 2014-07-30 (PCT/AU2014/000768)
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[51] **Int.Cl. B64D 13/08 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING PARALLEL RAM HEAT EXCHANGERS WITH AIR CYCLE MACHINE SPEED COMPENSATION**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT DES ECHANGEURS DE CHALEUR DYNAMIQUES PARALLELES DOTES DE COMPENSATION DE VITESSE DU GROUPE TURBO-REFROIDISSEUR**
[72] BRUNO, LOUIS J., US
[72] ZYWIAK, THOMAS M., US
[72] HIPSKY, HAROLD W., US
[72] MILLOT, CHRISTINA W., US
[72] ARMY, DONALD E., JR., US
[72] D'ORLANDO, PAUL M., US
[72] KLINE, ERIN G., US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2920612)
[87] (2920612)
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[25] EN
[54] **METHOD FOR THE TREATMENT OF FIBROTIC DISEASE**
[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE FIBROTIQUE**
[72] MARSHALL, DIANE, GB
[73] UCB BIOPHARMA SPRL, BE
[85] 2016-02-10
[86] 2014-08-26 (PCT/EP2014/068047)
[87] (WO2015/028454)
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[51] **Int.Cl. C12P 7/04 (2006.01) C12P 7/18 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **A PROCESS FOR MANUFACTURING ACRYLIC ACID, ACRYLONITRILE AND 1,4-BUTANEDIOL FROM 1,3-PROPANEDIOL**
[54] **PROCEDE DE FABRICATION D'ACIDE ACRYLIQUE, D'ACRYLONITRILE ET DE 1,4-BUTANEDIOL A PARTIR DE 1,3-PROPANEDIOL**
[72] GNANADESIKAN, VIJAY, US
[72] SINGH, RAMNIK, US
[72] DASARI, RAJESH, US
[72] ALGER, MONTGOMERY, US
[73] PTT GLOBAL CHEMICAL PUBLIC COMPANY LIMITED, TH
[85] 2016-02-22
[86] 2014-09-03 (PCT/US2014/053933)
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[25] EN
[54] **PEPTIDYL NITRIL COMPOUNDS AS DIPEPTIDYL PEPTIDASE I INHIBITORS**
[54] **COMPOSES DE PEPTIDYL-NITRILE EN TANT QU'INHIBITEURS DE DIPEPTIDYL-PEPTIDASE I**
[72] LAURITZEN, CONNI, DK
[72] PEDERSEN, JOHN, DK
[73] NEUPROZYME THERAPEUTICS APS, DK
[85] 2016-03-07
[86] 2014-09-08 (PCT/EP2014/069088)
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[54] **CONNECTIONS FOR HUMIDIFICATION SYSTEM**
[54] **RACCORDS POUR SYSTEME D'HUMIDIFICATION**
[72] OSBORNE, HAMISH, NZ
[72] MILLAR, GAVIN WALSH, NZ
[72] EVANS, STEPHEN DAVID, NZ
[72] HOLYOAKE, BRUCE GORDON, NZ
[72] STANTON, JAMES WILLIAM, NZ
[72] MCCAULEY, DAVID LEON, NZ
[72] MCDERMOTT, GARETH THOMAS, NZ
[72] MCKENNA, NICHOLAS JAMES MICHAEL, NZ
[72] NORTON, MYFANWY JANE ANTICA, NZ
[72] ELSWORTH, ADRIAN JOHN, NZ
[72] ANDRESEN, MICHAEL JOHN, NZ
[72] LAMBERT, JONATHAN ANDREW GEORGE, NZ
[72] GURM, SANDEEP SINGH, NZ
[72] PARIS, TESSA HAZEL, NZ
[72] GRIFFITHS, JOSEPH NATHANIEL, NZ
[72] SI, PING, NZ
[72] SIMS, CHRISTOPHER GARETH, NZ
[72] STOKS, ELMO BENSON, NZ
[72] CHEUNG, DEXTER CHI LUN, NZ
[72] SEEKUP, PETER ALAN, NZ
[72] LIU, PO-YEN DAVID, NZ
[72] LANG, RICHARD EDWARD, NZ
[72] TONKIN, PAUL JAMES, NZ
[72] KWAN, IAN LEE WAI, NZ
[73] FISHER AND PAYKEL HEALTHCARE LIMITED, NZ
[85] 2016-03-10
[86] 2014-09-15 (PCT/NZ2014/000201)
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[30] US (61/877,566) 2013-09-13
[30] US (61/877,622) 2013-09-13
[30] US (61/877,736) 2013-09-13
[30] US (61/919,485) 2013-12-20
[30] US (62/024,969) 2014-07-15
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[25] EN
[54] **NOVEL SYNTHESIS ROUTES FOR PROSTAGLANDINS AND PROSTAGLANDIN INTERMEDIATES USING METATHESIS**
[54] **NOUVELLES VOIES DE SYNTHESE POUR DES PROSTAGLANDINES ET DES INTERMEDIAIRES DE PROSTAGLANDINE PAR METATHESE**
[72] YIANNIKOUROS, GEORGE, PETROS, US
[72] KALARITIS, PANOS, US
[72] GAMAGE, CHAMINDA, PRIYAPUSHPA, US
[72] AREFYEV, DENIS, VIKTOROVICH, US
[73] PATHEON API SERVICES INC., US
[85] 2016-03-30
[86] 2014-09-30 (PCT/US2014/058298)
[87] (WO2015/048736)
[30] US (61/884,656) 2013-09-30

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[25] EN
[54] **HIGH PROTEIN DENATURED WHEY PROTEIN COMPOSITION, RELATED PRODUCTS, METHOD OF PRODUCTION AND USES THEREOF**
[54] **COMPOSITION DE PROTEINE DE LACTOSERUM DENATUREE A FORTE TENEUR EN PROTEINE, PRODUITS ASSOCIES, PROCEDE DE PRODUCTION ET UTILISATIONS CORRESPONDANTS**
[72] MIKKELSEN, BENTE OSTERGAARD, DK
[72] BERTELSEN, HANS, DK
[72] FIHL, THEA, DK
[72] JENSEN, TORBEN, DK
[72] PEDERSEN, HENRIK, DK
[73] ARLA FOODS AMBA, DK
[85] 2016-04-15
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[25] EN
[54] **PROSTACYCLIN COMPOUNDS, COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSES DE PROSTACYCLINE, COMPOSITIONS EN CONTENANT ET LEURS PROCEDES D'UTILISATION**
[72] MALININ, VLADIMIR, US
[72] PERKINS, WALTER, US
[72] LEIFER, FRANZISKA, US
[72] KONICEK, DONNA, US
[72] LI, ZHILI, US
[72] PLAUNT, ADAM, US
[73] INSMED INCORPORATED, US
[85] 2016-04-15
[86] 2014-10-24 (PCT/US2014/062232)
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[30] US (61/895,680) 2013-10-25
[30] US (61/910,703) 2013-12-02
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[30] US (62/028,758) 2014-07-24
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[54] **CUSHION FOR SEATING**
[54] **COUSSIN POUR SIEGE**
[72] ANDERSON, VAUGHN R., US
[72] CALL, EVAN W., US
[72] RANE, DARSHAN P., US
[73] OTTO BOCK HEALTHCARE LP, US
[85] 2016-04-18
[86] 2014-10-14 (PCT/US2014/060443)
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[30] US (14/067,742) 2013-10-30

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[51] **Int.Cl. G01N 33/49 (2006.01)**
[25] EN
[54] **PORTABLE COAGULATION MONITORING DEVICES, SYSTEMS, AND METHODS**
[54] **DISPOSITIFS ET SYSTEMES PORTATIFS DE SURVEILLANCE DE LA COAGULATION ET PROCEDES ASSOCIES**
[72] PEARCE, MATTHEW, GB
[72] HALL, RICHARD, GB
[72] DACORTA, JOSEPH A., US
[73] ENTEGRION, INC., US
[85] 2016-04-27
[86] 2014-11-17 (PCT/US2014/065882)
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[30] US (61/904,489) 2013-11-15
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[25] EN
[54] **METHODS TO DISTINGUISH WALDENSTROM'S MACROGLOBULINEMIA FROM IGM MONOCLONAL GAMMOPATHY OF UNDETERMINED SIGNIFICANCE**
[54] **PROCEDES POUR DISTINGUER UNE MACROGLOBULINEMIE DE WALDENSTROM D'UNE GAMMOPATHIE MONOCLONALE IGM DE SIGNIFICATION INDETERMINEE**
[72] TREON, STEVEN P., US
[72] XU, LIAN, US
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2016-05-10
[86] 2014-12-04 (PCT/US2014/068579)
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[30] US (61/912,842) 2013-12-06

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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AN ANTI-TAU ANTIBODY FOR TREATING TAUOPOTHY**
[54] **ANTICORPS CONTRE LA TAU POUR LE TRAITEMENT DE LA TAUOPATHIE**
[72] GRISWOLD-PRENNER, IRENE, US
[72] PARRY, GRAHAM, US
[73] IPIERIAN, INC., US
[85] 2016-05-20
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[51] **Int.Cl. G21G 1/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING GALLIUM-68 THROUGH THE IRRADIATION OF A SOLUTION TARGET**
[54] **PROCEDE EN VUE DE PRODUIRE DU GALLIUM-68 PAR IRRADIATION D'UNE SOLUTION CIBLE**
[72] ABRUNHOSA, ANTERO, BE
[72] ALVES, VITOR, BE
[72] ALVES, FRANCISCO, BE
[73] ION BEAM APPLICATIONS S.A., BE
[86] (2932118)
[87] (2932118)
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[25] FR
[54] **FIRE PROTECTION OF A FAN CASING MADE OF COMPOSITE**
[54] **PROTECTION CONTRE LE FEU D'UN CARTER DE SOUFFLANTE EN MATERIAU COMPOSITE**
[72] CORRADINI, SYLVAIN, FR
[72] ELISSEEFF, TIMOTHEE, FR
[72] ESSAYAN, SOPHIE, FR
[73] SNECMA, FR
[85] 2016-07-04
[86] 2015-01-08 (PCT/FR2015/050041)
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[30] FR (1450145) 2014-01-09

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[51] **Int.Cl. B65G 43/08 (2006.01) B65G 47/30 (2006.01)**
[25] EN
[54] **INDUCTION CONVEYOR**
[54] **TRANSPORTEUR D'INDUCTION**
[72] WARGO, STEPHEN G., US
[73] LAITRAM, L.L.C., US
[85] 2016-07-11
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[51] **Int.Cl. A23B 7/16 (2006.01) A01N 31/00 (2006.01)**
[25] FR
[54] **ANTI-SPROUTING COMPOSITIONS FOR COATING BULBS AND TUBERS AND USE THEREOF FOR ANTI-SPROUTING TREATMENT**
[54] **COMPOSITIONS ANTI-GERMINATIVES POUR ENROBAGE DES BULBES ET TUBERCULES ET LEUR UTILISATION POUR LE TRAITEMENT ANTI-GERMINATIF**
[72] SARDO, ALBERTO, FR
[73] XEDA INTERNATIONAL S.A., FR
[85] 2016-07-19
[86] 2015-01-20 (PCT/EP2015/050928)
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[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **AGENTS FOR USE IN THE TREATMENT OF RETINAL INFLAMMATION**
[54] **AGENTS A UTILISER POUR LE TRAITEMENT DE L'INFLAMMATION RETINIENNE**
[72] SENNLAUB, FLORIAN, FR
[72] GUILLONNEAU, XAVIER, FR
[72] LEVY, OLIVIER, FR
[72] SAHEL, JOSE-ALAIN, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] SORBONNE UNIVERSITE, FR
[85] 2016-07-21
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[25] EN
[54] **LOW POWER RADAR LEVEL GAUGE SYSTEM**
[54] **SYSTEME DE JAUGE DE NIVEAU A RADAR DE FAIBLE PUISSANCE**
[72] JIRSKOG, ANDERS, SE
[72] KLEMAN, MIKAEL, SE
[72] LARSSON, LARS OVE, SE
[73] ROSEMOUNT TANK RADAR AB, SE
[85] 2016-07-25
[86] 2015-03-04 (PCT/EP2015/054471)
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[30] US (14/198,287) 2014-03-05

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[51] **Int.Cl. G07F 19/00 (2006.01)**
[25] EN
[54] **DETECTION OF UNAUTHORIZED DEVICES ON ATMS**
[54] **DETECTION DE DISPOSITIFS NON AUTORISES SUR DES GAB**
[72] HODGES, WILLIAM A., US
[72] MARSHALL, CHRISTOPHER R., US
[72] BURGAIN, PIERRICK, US
[73] CAPITAL ONE FINANCIAL CORPORATION, US
[85] 2016-07-27
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[54] **SKIN INTERFACE DEVICE HAVING A SKIN ATTACHMENT DEVICE AND METHOD TO IMPLANT SAME**
[54] **DISPOSITIF FORMANT INTERFACE CUTANEE DOTE D'UN DISPOSITIF DE FIXATION A LA PEAU ET PROCEDE D'IMPLANTATION CORRESPONDANT**
[72] NOVACK, BRIAN H., US
[73] NUPULSECV, INC., US
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[25] EN
[54] **INPUT DEVICE ATTACHMENT**
[54] **FIXATION DE DISPOSITIF D'ENTREE**
[72] LONGO, THOMAS J., US
[72] HILL, ANDREW WILLIAM, US
[72] LEE, EUGENE, US
[72] WISE, JAMES H., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2016-08-16
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[25] EN
[54] **TRANSCATHETER VALVE PROSTHESIS**
[54] **PROTHESE VALVULAIRE TRANSCATHETER**
[72] BORTLEIN, GEORG, FR
[72] NASR, MALEK, FR
[73] HIGHLIFE SAS, FR
[85] 2016-08-22
[86] 2015-02-25 (PCT/IB2015/000905)
[87] (WO2015/132668)
[30] DE (102014102725.6) 2014-02-28
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[25] EN
[54] **TRANSCATHETER VALVE PROSTHESIS**
[54] **PROTHESE VALVULAIRE TRANSCATHETER**
[72] BORTLEIN, GEORG, FR
[72] NASR, MALEK, FR
[73] HIGHLIFE SAS, FR
[85] 2016-08-22
[86] 2015-02-25 (PCT/IB2015/001005)
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[30] DE (102014102648.9) 2014-02-28
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[25] EN
[54] **MCL-1 MODULATING COMPOUNDS FOR CANCER TREATMENT**
[54] **COMPOSES MODULANT MCL-1 UTILISES DANS LE TRAITEMENT DU CANCER**
[72] POULAIN, LAURENT, FR
[72] VOISIN-CHIRET, ANNE-SOPHIE, FR
[72] SOPKOVA-DE OLIVEIRA SANTOS, JANA, FR
[72] BUREAU, RONAN, FR
[72] BURZICKI, GREGORY, FR
[72] DE GIORGI, MARCELLA, IT
[72] PERATO, SERGE, FR
[72] FOGHA, JADE, FR
[72] RAULT, SYLVAIN, FR
[72] JUIN, PHILIPPE, FR
[72] GAUTIER, FABIEN, FR
[73] CENTRE REGIONAL DE LUTTE CONTRE LE CANCER FRANCOIS BACLESSE, FR
[73] UNIVERSITE DE CAEN-BASSE NORMANDIE, FR
[73] INSTITUT DE CANCEROLOGIE DE L'OUEST RENE GAUDUCHEAU, FR
[85] 2016-08-23
[86] 2015-03-03 (PCT/IB2015/051553)
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[30] EP (14305309.8) 2014-03-04

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[25] EN
[54] **HUMAN PLASMA KALLIKREIN INHIBITORS**
[54] **INHIBITEURS DE LA KALLICREINE PLASMATIQUE HUMAINE**
[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
[72] WU, MINWAN, US
[72] CHINTAREDDY, VENKAT R., US
[72] KUMAR, V. SATISH, US
[72] ZHANG, WEIHE, US
[73] BIOCRYST PHARMACEUTICALS, INC., US
[85] 2016-08-31
[86] 2015-03-09 (PCT/US2015/019535)
[87] (WO2015/134998)
[30] US (61/949,808) 2014-03-07
[30] US (61/981,515) 2014-04-18

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[25] EN
[54] **PATCH PREPARATION COMPRISING LAYERED SUPPORT**
[54] **PREPARATION DE PIECE COMPRENANT UN SUPPORT EN COUCHE**
[72] KAWAKAMI, SATOSHI, JP
[73] TEIKOKU SEIYAKU CO., LTD., JP
[85] 2016-09-01
[86] 2015-02-24 (PCT/JP2015/055173)
[87] (WO2015/133329)
[30] JP (2014-044252) 2014-03-06

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[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/0775 (2010.01) C12N 5/00 (2006.01)**
[25] EN
[54] **POOLED NK CELLS FROM OMBILICAL CORD BLOOD AND THEIR USES FOR THE TREATMENT OF CANCER AND CHRONIC INFECTIOUS DISEASE**
[54] **CELLULES NK REGROUPEES PROVENANT DU SANG DU CORDON OMBILICAL, ET LEUR UTILISATION POUR LE TRAITEMENT DU CANCER ET D'UNE MALADIE INFECTIEUSE CHRONIQUE**
[72] HENNO, PATRICK, FR
[72] VILLALBA GONZALEZ, MARTIN, FR
[72] LU, SHAO YANG, FR
[72] ROSSI, JEAN-FRANCOIS, FR
[73] EMERCELL SAS, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE MONTPELLIER, FR
[73] UNIVERSITE DE MONTPELLIER, FR
[85] 2016-09-02
[86] 2015-03-09 (PCT/EP2015/054837)
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[30] EP (14305332.0) 2014-03-07

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[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/3203 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGEMENT OF THROMBOSIS**
[54] **SYSTEMES ET PROCEDES DE PRISE EN CHARGE DE THROMBOSE**
[72] LOOK, DAVID M., US
[72] CULBERT, BRADLEY S., US
[73] INCUVATE, LLC, US
[85] 2016-09-06
[86] 2015-04-07 (PCT/US2015/024773)
[87] (WO2015/157330)
[30] US (61/976,975) 2014-04-08
[30] US (62/069,817) 2014-10-28
[30] US (62/090,822) 2014-12-11
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[51] **Int.Cl. H04N 19/85 (2014.01) H04N 19/17 (2014.01) H04N 19/176 (2014.01) H04N 19/182 (2014.01) H04N 19/23 (2014.01) H04N 19/436 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR BALANCING COMPRESSION RATIO WITH PROCESSING LATENCY**
[54] **METHODES ET SYSTEMES D'EQUILIBRAGE DU RAPPORT DE COMPRESSION AVEC TRAITEMENT DE LATENCE**
[72] BOISVERT, ERIC, CA
[72] HOSSEINI, MOJTABA, CA
[73] PLEORA TECHNOLOGIES INC., CA
[86] (2942257)
[87] (2942257)
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[51] **Int.Cl. F41H 9/06 (2006.01)**
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[54] **HEAT ACCUMULATOR FOR FOG GENERATOR**
[54] **ACCUMULATEUR DE CHALEUR POUR GENERATEUR DE BROUILLARD**
[72] VANDONINCK, ALFONS, BE
[73] BANDIT NV, BE
[85] 2016-09-19
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[87] (WO2015/140761)
[30] BE (2014/0194) 2014-03-21

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[25] EN
[54] **FILTER ASSEMBLY**
[54] **ENSEMBLE FILTRE**
[72] MORRIS, BRYANT A., US
[72] RIES, JEFFREY R., US
[73] CATERPILLAR INC., US
[85] 2016-09-19
[86] 2015-02-19 (PCT/US2015/016582)
[87] (WO2015/153006)
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[51] **Int.Cl. B01D 46/52 (2006.01)**
[25] EN
[54] **REFILLABLE AIR FILTER ASSEMBLY**
[54] **ENSEMBLE FILTRE A AIR RECHARGEABLE**
[72] ZHANG, ZHIQUN, US
[72] FOX, ANDREW R., US
[72] ECHEVERRI, NICOLAS A., US
[72] EASTLUND, GARY N., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2016-09-20
[86] 2015-03-20 (PCT/US2015/021756)
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[25] EN
[54] **CHILDREN'S VEHICLE**
[54] **VEHICULE D'ENFANT**
[72] RAINER, LUTHER, DE
[73] FRANZ SCHNEIDER GMBH & CO. KG, DE
[86] (2943509)
[87] (2943509)
[22] 2016-09-29
[30] DE (10 2016 000 524.6) 2016-01-21

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[51] **Int.Cl. A61F 2/16 (2006.01)**
[25] EN
[54] **ACCOMMODATING INTRAOCULAR LENS**
[54] **LENTILLE INTRAOCULAIRE D'ACCOMMODATION**
[72] DE JUAN, EUGENE, US
[72] REICH, CARY, US
[72] GIFFORD, HANSON S., US
[72] OREN, GUY, US
[72] CLARKE, MATTHEW, US
[72] ALEJANDRO, JOSE D., US
[73] FORSIGHT VISION6, INC., US
[85] 2016-09-26
[86] 2015-03-25 (PCT/US2015/022501)
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[30] US (61/972,183) 2014-03-28
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR ADMINISTERING AN ACTIVE AGENT TO THE PLEURA OF A PATIENT**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION D'UN AGENT ACTIF A UNE PLEVRE D'UN PATIENT**
[72] LAUB, GLENN W., US
[73] TDL INNOVATIONS, LLC, US
[85] 2016-09-29
[86] 2015-03-31 (PCT/US2015/023468)
[87] (WO2015/153540)
[30] US (61/973,703) 2014-04-01

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[25] EN
[54] **NOVEL MACROCYCLIC COMPOUNDS**
[54] **NOUVEAUX COMPOSES MACROCYCLIQUES**
[72] LUCKING, ULRICH, DE
[72] WASNAIRE, PIERRE, DE
[72] SCHOLZ, ARNE, DE
[72] LIENAU, PHILIP, DE
[72] SIEMEISTER, GERHARD, DE
[72] STEGMANN, CHRISTIAN, DE
[72] BOMER, ULF, DE
[72] ZHENG, KUNZENG, CN
[72] GAO, PING, CN
[72] CHEN, GANG, CN
[72] XI, JIAJUN, CN
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2016-10-07
[86] 2015-04-08 (PCT/EP2015/057546)
[87] (WO2015/155197)
[30] CN (PCT/CN2014/000392) 2014-04-11

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[51] **Int.Cl. B21H 1/06 (2006.01)**
[25] FR
[54] **FORGING TOOL FOR THE MANUFACTURE OF A SHAPED ROLLED RING, NOTABLY FOR THE MANUFACTURE OF A TURBOMACHINE DISC**
[54] **OUTILLAGE DE FORGEAGE POUR LA FABRICATION D'UNE COURONNE LAMINEE DE FORME, NOTAMMENT POUR LA FABRICATION D'UN DISQUE DE TURBOMACHINE**
[72] BRETON, MICHEL, FR
[72] SICOT, SAMUEL, FR
[73] SNECMA, FR
[85] 2016-07-27
[86] 2015-02-02 (PCT/FR2015/050229)
[87] (WO2015/118249)
[30] FR (14 50889) 2014-02-05

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[51] **Int.Cl. H05H 6/00 (2006.01) A61B 6/00 (2006.01)**
[25] EN
[54] **TARGET SYSTEM FOR IRRADIATION OF MOLYBDENUM WITH PARTICLE BEAMS**
[54] **SYSTEME DE CIBLE PERMETTANT UNE IRRADIATION DE MOLYBDENE AVEC DES FAISCEAUX DE PARTICULES**
[72] BUCKLEY, KENNETH R., CA
[72] HANEMAAYER, VICTOIRE, CA
[72] ZEISLER, STEFAN K., CA
[73] TRIUMF INC., CA
[85] 2016-10-17
[86] 2015-04-24 (PCT/CA2015/050343)
[87] (WO2015/161385)
[30] US (61/983,667) 2014-04-24

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[51] **Int.Cl. F15B 3/00 (2006.01) F04B 9/04 (2006.01) F04B 9/107 (2006.01)**
[25] FR
[54] **END-OF-STROKE EXPANDER FOR PISTON-TYPE PRESSURE CONVERTER**
[54] **DETENDEUR DE FIN DE COURSE POUR CONVERTISSEUR DE PRESSION A PISTONS**
[72] RABHI, VIANNEY, FR
[73] RABHI, VIANNEY, FR
[85] 2016-10-20
[86] 2015-05-07 (PCT/FR2015/051209)
[87] (WO2015/173495)
[30] FR (1454223) 2014-05-12
[30] FR (1455710) 2014-06-20

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[13] C
[51] **Int.Cl. G06Q 40/08 (2012.01)**
[25] EN
[54] **PET INSURANCE SYSTEM AND METHOD**
[54] **PROGRAMME D'ASSURANCE DESTINE AUX ANIMAUX ET METHODE**
[72] MARSHALL, KERRI, US
[72] RAWLINGS, DARRYL, US
[72] PLOWMAN, KATHRYN, US
[72] CAPPELLETTI, CHRIS, US
[73] TRUPANION INC., US
[86] (2946608)
[87] (2946608)
[22] 2016-10-27
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[51] **Int.Cl. G10L 19/008 (2013.01) H04S 3/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR APPLYING DYNAMIC RANGE COMPRESSION TO A HIGHER ORDER AMBISONICS SIGNAL**
[54] **PROCEDE ET DISPOSITIF POUR APPLIQUER UNE COMPRESSION DE PLAGE DYNAMIQUE A UN SIGNAL AMBIOPHONIQUE D'ORDRE SUPERIEUR**
[72] BOEHM, JOHANNES, DE
[72] KEILER, FLORIAN, DE
[73] DOLBY INTERNATIONAL AB, NL
[85] 2016-10-25
[86] 2015-03-24 (PCT/EP2015/056206)
[87] (WO2015/144674)
[30] EP (14305423.7) 2014-03-24
[30] EP (14305559.8) 2014-04-15

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[13] C
[51] **Int.Cl. G01M 15/02 (2006.01) B23P 6/00 (2006.01) F01D 25/00 (2006.01)**
[25] EN
[54] **GAS TURBINE DISMOUNTING METHOD AND CALIBRATION DEVICE**
[54] **PROCEDE DE DEMONTAGE D'UNE TURBINE A GAZ**
[72] ALBERT, RAINER, DE
[72] PINKOWSKY, TANJA, DE
[72] HOHN, ANDINA, DE
[72] BOBSIEN, DENNIS, DE
[73] LUFTHANSA TECHNIK AG, DE
[85] 2016-10-31
[86] 2015-05-20 (PCT/EP2015/061091)
[87] (WO2015/181017)
[30] DE (10 2014 210 297.9) 2014-05-30

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[13] C
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 2/60 (2006.01) C07H 15/24 (2006.01)**
[25] EN
[54] **SWEET TASTE IMPROVING COMPOSITIONS INCLUDING NARINGENIN**
[54] **COMPOSITIONS AMELIORANT LE GOUT SUCRE COMPRENANT DE LA NARINGENINE**
[72] WALTON, STACEY K., US
[72] OLCESE, GINO E., US
[73] DR PEPPER/SEVEN UP, INC., US
[85] 2016-11-02
[86] 2015-05-06 (PCT/US2015/029445)
[87] (WO2015/171746)
[30] US (14/271,223) 2014-05-06

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[51] **Int.Cl. C07D 207/38 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANDROGEN RECEPTOR MODULATORS AND METHODS FOR THEIR USE**
[54] **MODULATEURS DU RECEPTEUR ANDROGENIQUE ET LEURS METHODES D'UTILISATION**
[72] YAN, LUPING, CA
[72] ANDERSEN, RAYMOND J., CA
[72] SADAR, MARIANNE DOROTHY, CA
[72] MAWJI, NASRIN R., CA
[72] BANUELOS, CARMEN ADRIANA, CA
[73] BRITISH COLUMBIA CANCER AGENCY BRANCH, CA
[73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2016-11-09
[86] 2015-05-29 (PCT/US2015/033385)
[87] (WO2015/184393)
[30] US (62/005,714) 2014-05-30

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[13] C
[51] **Int.Cl. C08G 65/40 (2006.01) C07C 235/84 (2006.01) C08G 73/06 (2006.01) C08J 3/12 (2006.01)**
[25] EN
[54] **PARTICULATE AMINE-FUNCTIONALIZED POLYARYLETHERKETONE POLYMER AND COPOLYMERS THEREOF**
[54] **POLYMERE PARTICULAIRE DE POLYARYLETHERCETONE A FONCTIONNALITE AMINE ET COPOLYMERES DE CELUI-CI**
[72] PRATTE, JAMES FRANCIS, US
[72] MASKELL, ROBIN K., US
[72] TOWLE, IAN DAVID HENDERSON, GB
[72] SMITH, KAYLIE JANE, GB
[73] CYTEC INDUSTRIES INC., US
[73] KETONEX LIMITED, GB
[85] 2016-11-18
[86] 2015-05-21 (PCT/US2015/031876)
[87] (WO2015/179587)
[30] US (62/001,709) 2014-05-22

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[13] C
[51] **Int.Cl. B01L 3/00 (2006.01) B29C 49/04 (2006.01) G01N 35/10 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **REAGENT BOTTLE WITH ASPIRATION PIPE**
[54] **BOUTEILLE DE REACTIF A TUYAU D'ASPIRATION**
[72] ONISHI, HIROYUKI, JP
[72] KAYAHARA, MASATO, JP
[72] SUZUKI, HIROSHI, JP
[72] FURUYA, RYUSUKE, JP
[72] MUKAIYAMA, NAOKI, JP
[72] COONEY, MICHAEL, IE
[72] O'NEILL, MARCUS, IE
[72] O'MAHONY, SEAN, IE
[73] BECKMAN COULTER, INC., US
[73] DHR TECHNOLOGIES IRELAND LIMITED (DTIL), IE
[85] 2016-11-21
[86] 2015-05-27 (PCT/US2015/032703)
[87] (WO2015/183977)
[30] US (62/003,453) 2014-05-27

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[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVE FOR REPLACING A MITRAL VALVE**
[54] **VALVE PROTHETIQUE POUR REMPLACEMENT D'UNE VALVE MITRALE**
[72] COOPER, ALEXANDER H., US
[72] PETERSON, MATTHEW A., US
[72] BRUNNETT, WILLIAM C., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2016-11-29
[86] 2015-06-05 (PCT/US2015/034413)
[87] (WO2015/188066)
[30] US (62/009,072) 2014-06-06
[30] US (14/730,639) 2015-06-04

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[13] C
[51] **Int.Cl. F01D 11/14 (2006.01) F01D 5/14 (2006.01)**
[25] FR
[54] **METHOD FOR DIMENSIONING A TURBOMACHINE**
[54] **PROCEDE DE DIMENSIONNEMENT D'UNE TURBOMACHINE**
[72] PARENT, MARIE-OCEANE, FR
[72] CHEVILLOT, FABRICE JOEL LUC, FR
[72] THOUVEREZ, FABRICE HUGUES JEAN PIERRE, FR
[73] ECOLE NATIONALE D'INGENIEURS DE SAINT ETIENNE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[73] ECOLE CENTRALE DE LYON, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2016-12-01
[86] 2015-06-03 (PCT/FR2015/051466)
[87] (WO2015/185857)
[30] FR (1455190) 2014-06-06

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[13] C
[51] **Int.Cl. B29C 39/12 (2006.01) G09B 23/30 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ANATOMICAL PHANTOMS WITH CONSTITUENTS HAVING VARIABLE DENSITIES**
[54] **PROCEDE DE PRODUCTION DE FANTOMES ANATOMIQUES AVEC DES CONSTITUANTS AYANT DES DENSITES VARIABLES**
[72] KERINS, FERGAL, CA
[73] SYNAPTIVE MEDICAL INC., CA
[85] 2016-12-02
[86] 2015-06-12 (PCT/CA2015/050545)
[87] (WO2016/011539)
[30] US (14/337,614) 2014-07-22

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[51] **Int.Cl. C07D 307/33 (2006.01)**
[25] EN
[54] **A SELECTIVE PROCESS FOR CONVERSION OF LEVULINIC ACID TO GAMMA-VALEROLACTONE**
[54] **UN PROCEDE SELECTIF DE CONVERSION D'ACIDE LEVULINIQUE EN GAMMA-VALEROLACTONE**
[72] TOPPINEN, SAMI, FI
[73] NESTE OYJ, FI
[86] (2951451)
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[22] 2016-12-12
[30] FI (20156006) 2015-12-23

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[13] C
[51] **Int.Cl. E04F 21/00 (2006.01) E04F 21/165 (2006.01)**
[25] EN
[54] **AUTOMATIC DISPENSING DEVICE FOR WALLBOARD JOINT TAPING**
[54] **DISPOSITIF DE DISTRIBUTION AUTOMATIQUE POUR RUBAN A JOINT DE PANNEAU MURAL**
[72] NEGRI, ROBERT H., US
[72] ST. JAMES, BERNIE, CA
[72] ST. JAMES, ELLIOT, CA
[72] ST. JAMES, AARON, CA
[73] UNITED STATES GYPSUM COMPANY, US
[85] 2016-12-09
[86] 2015-06-19 (PCT/US2015/036624)
[87] (WO2015/200115)
[30] US (62/016,323) 2014-06-24
[30] US (14/719,851) 2015-05-22

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[25] EN
[54] **DAMAGE INDICATOR FOR A COMPOSITE PRESSURE TANK**
[54] **INDICATEUR D'ENDOMMAGEMENT DE RESERVOIR COMPOSITE SOUS PRESSION**
[72] LEAVITT, MARK, US
[72] GARG, MOHIT, US
[72] REA, DAVID, US
[73] QUANTUM FUEL SYSTEMS LLC, US
[85] 2016-12-14
[86] 2015-07-06 (PCT/US2015/039257)
[87] (WO2016/007437)
[30] US (62/023,130) 2014-07-10
[30] US (14/452,434) 2014-08-05

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[51] **Int.Cl. B65D 33/16 (2006.01) B65B 9/20 (2012.01) B65B 61/16 (2006.01) B65D 33/06 (2006.01) B65D 33/36 (2006.01) B65B 51/06 (2006.01) B65B 51/26 (2006.01) B65B 61/18 (2006.01)**
[25] EN
[54] **RECLOSABLE PACKAGING WITH A HANDLE, AND METHODS AND DEVICES FOR MAKING SUCH PACKAGING**
[54] **EMBALLAGE REFERMABLE AYANT UNE POIGNEE ET PROCEDES ET DISPOSITIFS DESTINES A FABRIQUER UN TEL EMBALLAGE**
[72] LEEKER, RUSSELL A., US
[72] CANAVESI, ERICA, BR
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2016-12-14
[86] 2015-07-20 (PCT/IB2015/055499)
[87] (WO2016/012931)
[30] US (62/027,430) 2014-07-22

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[51] **Int.Cl. H01M 10/10 (2006.01) H01M 4/21 (2006.01)**
[25] EN
[54] **WATER LOSS REDUCING PASTING MATS FOR LEAD-ACID BATTERIES**
[54] **NAPPES DE COLLAGE POUR REDUIRE LA PERTE D'EAU DANS DES BATTERIES PLOMB-ACIDE**
[72] HUUSKEN, ROBERT, NL
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2016-12-14
[86] 2015-06-17 (PCT/US2015/036141)
[87] (WO2015/195742)
[30] US (62/013,099) 2014-06-17

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[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **METHOD FOR MANAGING A TRANSACTION, CORRESPONDING SERVER, COMPUTER PROGRAM PRODUCT AND STORAGE MEDIUM**
[54] **METHODE DE GESTION D'UNE TRANSACTION, SERVEUR CORRESPONDANT, PROGRAMME INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ROTSAERT, CHRISTOPHER, FR
[73] ROAM DATA INC, US
[85] 2016-12-15
[86] 2015-07-10 (PCT/IB2015/055220)
[87] (WO2016/005947)
[30] FR (14/56677) 2014-07-10

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[51] **Int.Cl. E21B 47/09 (2012.01) E21B 17/00 (2006.01) G01V 3/18 (2006.01)**
[25] EN
[54] **MAGNETIC RANGING TO AN AC SOURCE WHILE ROTATING**
[54] **TELEMETRIE MAGNETIQUE AU NIVEAU D'UNE SOURCE C.A. LORS DE LA ROTATION**
[72] BROOKS, ANDREW, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-12-22
[86] 2015-06-26 (PCT/US2015/037884)
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[25] EN
[54] **PROTEIN RECOVERY**
[54] **RECUPERATION DE PROTEINES**
[72] MODINGER, JULIO ENRIQUE TRAUB, GB
[72] WHITE, JANE SAMANTHA, GB
[72] MASKELL, DAWN LOUISE, GB
[72] HARPER, ALAN JOHN, GB
[72] HUGHES, PAUL SHANE, GB
[72] WILLOUGHBY, NICHOLAS ALLEN, GB
[73] HORIZON PROTEINS LTD, GB
[85] 2016-12-23
[86] 2015-07-02 (PCT/GB2015/051944)
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[30] GB (1411943.2) 2014-07-03

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[51] **Int.Cl. C09K 17/52 (2006.01) A01G 13/02 (2006.01)**
[25] EN
[54] **BARK AND WOOD FIBER GROWING MEDIUM**
[54] **SUBSTRAT DE CULTURE A BASE DE FIBRES D'ECORCE ET DE BOIS**
[72] SPITTLE, KEVIN SCOTT, US
[72] BOWERS, GARY LANE, US
[73] PROFILE PRODUCTS L.L.C., US
[85] 2016-12-28
[86] 2015-06-29 (PCT/US2015/038312)
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[25] EN
[54] **WATER-ABSORBENT RESIN AND ABSORBENT ARTICLE**
[54] **RESINE ABSORBANT L'EAU ET ARTICLE ABSORBANT**
[72] MURAKAMI, MASAHIRO, JP
[72] HINAYAMA, TETSUHIRO, JP
[72] YABUGUCHI, HIROKI, JP
[72] YOKOYAMA, HIDEKI, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2016-12-30
[86] 2014-11-04 (PCT/JP2014/079245)
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[30] JP (2014-143717) 2014-07-11
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[51] **Int.Cl. B23B 51/04 (2006.01) B23B 31/11 (2006.01) F16D 1/108 (2006.01) F16D 1/116 (2006.01)**
[25] EN
[54] **TOOL RECEPTACLE FOR CONNECTING A DIAMOND DRILL TO A DRILL BIT**
[54] **LOGEMENT D'OUTIL DESTINE A RELIER UNE FOREUSE AU DIAMANT AVEC UNE COURONNE DE FORAGE**
[72] REICHENBERGER, THOMAS, DE
[72] RIED, XAVER, DE
[73] HILTI AKTIENGESELLSCHAFT, LI
[85] 2017-01-11
[86] 2015-07-22 (PCT/EP2015/066723)
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[51] **Int.Cl. C07D 239/72 (2006.01)**
[25] EN
[54] **QUINOXALINE COMPOUNDS, METHOD FOR PREPARING THE SAME AND USE THEREOF**
[54] **COMPOSES QUINOXALINE, ET METHODE POUR LES PREPARER ET LES UTILISER**
[72] LIN, NAN-HORNG, TW
[72] LIAO, CHU-BIN, TW
[72] PENG, SHAO-ZHENG, TW
[72] YEN, SHIH-CHIEH, TW
[72] KUO, MANN-YAN, TW
[73] DEVELOPMENT CENTER FOR BIOTECHNOLOGY, TW
[85] 2017-01-11
[86] 2015-06-15 (PCT/US2015/035822)
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[25] EN
[54] **COMPOSITION COMPRISING AN ESTER OF ALPHA-TOCOPHEROL FOR PREVENTION AND TREATMENT OF ALLERGIC RHINITIS**
[54] **COMPOSITION COMPRENANT UN ESTER D'ALPHA-TOCOPHEROL POUR LA PREVENTION ET LE TRAITEMENT DE LA RHINITE ALLERGIQUE**
[72] PANIN, GIORGIO, IT
[72] LAMPRECHT, JURGEN, DE
[73] HULKA S.R.L., IT
[85] 2017-01-19
[86] 2015-04-17 (PCT/EP2015/058368)
[87] (WO2016/012110)
[30] IT (MI2014A001332) 2014-07-22

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[25] EN
[54] **TUNGSTEN (VI) SALTS FOR USE THEREOF IN THE TREATMENT OF INFERTILITY, FOR FAVORING NORMAL REPRODUCTION AND FERTILITY IN A NON-DIABETIC FEMALE MAMMAL, AS WELL AS FOR IMPROVING THE EFFICACY OF ASSISTED REPRODUCTIVE TECHNIQUES**
[54] **SELS DE TUNGSTENE (VI) POUR LEUR UTILISATION DANS LE TRAITEMENT DE L'INFERTILITE, POUR FAVORISER LA FERTILITE ET LA REPRODUCTION NORMALE CHEZ UN MAMMIFERE FEMELLE NON DIABETIQUE, AINSI QUE POUR AUGMENTER L'EFFICACITE DES TECHNIQUES DE REPRODUCTION ASSISTEE**
[72] CANALS ALMAZAN, IGNACIO, ES
[72] ARBAT BUGIE, AGNES, ES
[73] OXOLIFE, S.L., ES
[85] 2017-01-20
[86] 2014-07-21 (PCT/ES2014/070586)
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[25] EN
[54] **WEAR COMPONENT FOR GROUND ENGAGING TOOL**
[54] **ELEMENT D'USURE POUR OUTIL DE MISE EN PRISE AVEC LE SOL**
[72] CONGDON, THOMAS MARSHALL, JR., US
[72] MAGULURU, MADHUKAR, US
[72] BIGGS, NICK WILLIAM, US
[73] CATERPILLAR INC., US
[85] 2017-01-24
[86] 2015-07-10 (PCT/US2015/039988)
[87] (WO2016/018589)
[30] US (14/446,095) 2014-07-29

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[25] FR
[54] **LIQUID PLASTICISING COMPOSITION**
[54] **COMPOSITION PLASTIFIANTE LIQUIDE**
[72] VERRAES, ARNAUD, FR
[73] ROQUETTE FRERES, FR
[85] 2017-02-06
[86] 2015-08-06 (PCT/FR2015/052170)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR NUCLEIC ACID DETECTION**
[54] **PROCEDES ET COMPOSITIONS POUR LA DETECTION D'ACIDES NUCLEIQUES**
[72] KUBISTA, MIKAEL, SE
[72] SJOBACK, ROBERT, SE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-02-08
[86] 2015-08-19 (PCT/IB2015/001851)
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[30] US (62/039,207) 2014-08-19

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[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/02 (2006.01) C01B 3/48 (2006.01) C01C 1/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCTION OF AMMONIA AND DERIVATIVES, IN PARTICULAR UREA**
[54] **PROCEDE POUR LA PRODUCTION D'AMMONIAC ET DE SES DERIVES, EN PARTICULIER L'UREE**
[72] SKINNER, GEOFFREY FREDERICK, GB
[72] OSTUNI, RAFFAELE, CH
[73] CASALE SA, CH
[85] 2017-02-09
[86] 2015-08-05 (PCT/EP2015/068019)
[87] (WO2016/034355)
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[51] **Int.Cl. G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING FOR DISPLAY HIERARCHICAL VIEWS OF CONTENT ORGANIZATION NODES ASSOCIATED WITH CAPTURED CONTENT AND FOR DETERMINING ORGANIZATIONAL IDENTIFIERS FOR CAPTURED CONTENT**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR A DES FINS D'AFFICHAGE DES VUES HIERARCHIQUES DE NOEUDS D'ORGANISATION DE CONTENU ASSOCIES A UN CONTENU CAPTURE ET DE DETERMINER DES IDEN TIFICATEURS ORGANISATIONNELS POUR LE CONTENU CAPTURE**
[72] MILLER, RICHARD D., US
[72] WITTMER, PHILIP, US
[72] SLUTERBECK, MICHAEL, US
[72] MYERS, JACOB AARON, US
[73] RELX INC., US
[85] 2017-02-17
[86] 2015-08-13 (PCT/US2015/045031)
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[25] EN
[54] **LUG CLOSURE**
[54] **FERMETURE A LANGUETTE**
[72] SIMS, BART, US
[72] GERMAN, GALEN, US
[73] CROWN PACKAGING TECHNOLOGY, INC., US
[85] 2017-02-17
[86] 2015-08-20 (PCT/US2015/046107)
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[25] EN
[54] **FORMULATIONS OF TESTOSTERONE AND METHODS OF TREATMENT THEREWITH**
[54] **FORMULATIONS DE TESTOSTERONE ET METHODES DE TRAITEMENT ASSOCIEES**
[72] JOSEPHS, ROBERT A., US
[72] HERMAN, CRAIG, US
[73] MEDCARA PHARMACEUTICALS, LLC, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2017-02-20
[86] 2015-08-28 (PCT/US2015/047385)
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[30] US (62/043,277) 2014-08-28

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[25] EN
[54] **AUTOMATIC PACKING OF WOOD**
[54] **EMBALLAGE AUTOMATIQUE DE BOIS**
[72] HOLTET, OLE JANSEN, NO
[72] EVENSMO, MORTEN HVISTENDAHL, NO
[72] MOINICHEN, JORGEN, NO
[72] TURTUM, GEIR, NO
[72] RANHEIM, LARS MARTIN, NO
[72] PEDERSEN, JON-ARNE, NO
[72] BJORNE, ELIAS, NO
[72] LUNDGAARD, JOHANNES HATLE, NO
[72] BRITTON, PETER RICHARD, NO
[72] JOHANSEN, FREDRIK, NO
[73] VEPAK AS, NO
[85] 2017-02-13
[86] 2015-08-14 (PCT/EP2015/068768)
[87] (WO2016/024016)
[30] GB (1414437.2) 2014-08-14
[30] GB (1502222.1) 2015-02-11
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[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A PGM-ENRICHED ALLOY**
[54] **PROCEDE DE PRODUCTION D'UN ALLIAGE ENRICHI EN METAUX DU GROUPE DU PLATINE**
[72] RITSCHEL, NORBERT, US
[72] TAYLOR, JIMMY, US
[72] ENGLAND, TODD, US
[72] PETERS, BRIAN, US
[72] STOFFNER, FELIX, DE
[72] ROHLICH, CHRISTOPH, DE
[72] VOSS, STEFFEN, DE
[72] WINKLER, HOLGER, DE
[73] HERAEUS DEUTSCHLAND GMBH & CO. KG, DE
[73] HERAEUS PRECIOUS METALS NORTH AMERICA LLC., US
[85] 2017-02-21
[86] 2016-04-25 (PCT/EP2016/059154)
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[30] US (62/186,649) 2015-06-30

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[51] **Int.Cl. A61L 9/00 (2006.01) A61G 10/00 (2006.01) A61L 9/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCING AIRBORNE MICROBES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE REDUIRE LES MICROBES EN SUSPENSION DANS L'AIR**
[72] PHILLIPS, JOE D., US
[72] AXTELL, STEPHEN P., US
[73] ZENTOX CORPORATION, US
[85] 2017-02-24
[86] 2015-08-26 (PCT/US2015/046996)
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[30] US (62/041,992) 2014-08-26

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[25] EN
[54] **HOT WATER DELIVERY**
[54] **SYSTEME DISTRIBUTEUR D'EAU CHAUDE**
[72] ADELMAN, DUANE L., US
[73] UPONOR INNOVATION AB, SE
[85] 2017-02-28
[86] 2015-09-10 (PCT/US2015/049370)
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[25] EN
[54] **AN INCLUSION CONTAINING PROTEINACEOUS MEAT ANALOGUE HAVING AN IMPROVED TEXTURE AND AN EXTENDED SHELF-LIFE**
[54] **INCLUSION CONTENANT UN ANALOGUE DE VIANDE PROTEINIQUE AYANT UNE TEXTURE AMELIOREE ET UNE DUREE DE CONSERVATION PROLONGEE**
[72] REDL, ANDREAS, BE
[72] FENEUIL, AURELIEN, BE
[72] VOGEL, FABRICE, FR
[73] TEREOS STARCH & SWEETENERS BELGIUM, BE
[85] 2017-03-02
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[25] EN
[54] **MODULE, REACTOR, SYSTEM AND METHOD FOR TREATING WATER**
[54] **MODULE, REACTEUR, SYSTEME ET PROCEDE DE TRAITEMENT DE L'EAU**
[72] SHECHTER, RONEN-ITZHAK, IL
[72] LEVY, EYTAN BARUCH, IL
[72] ESHED, LIOR, IL
[72] BAR-TAL, YARON, IL
[72] SPECTOR, TOMER, IL
[72] SIEGEL, NOAM MORDECHAI, IL
[73] EMEFCY LTD., IL
[85] 2017-03-06
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[25] EN
[54] **FUSED HETEROCYCLIC COMPOUNDS AS GPR120 AGONISTS**
[54] **COMPOSES HETEROCYCLIQUES CONDENSES A TITRE D'AGONISTES DU GPR120**
[72] KUMAR, SANJAY, IN
[72] SHARMA, RAJIV, US
[72] SAWARGAVE, SANGMESHWAR PRABHAKAR, IN
[72] MAHAJAN, VISHAL, IN
[73] PIRAMAL ENTERPRISES LIMITED, IN
[85] 2017-03-09
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[30] US (62/049,132) 2014-09-11

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[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **HOUSING PART FOR AN AUTO-INJECTOR**
[54] **PARTIE DE BOITIER POUR UN AUTO-INJECTEUR**
[72] MCLOUGHLIN, MARTIN JOHN, GB
[72] KNIGHT, BARRY ALAN, GB
[72] EKMAN, MATT, GB
[72] NORRIS, DEBORAH JANE, GB
[73] UCB BIOPHARMA SPRL, BE
[73] BESPAK EUROPE LIMITED, GB
[85] 2017-03-09
[86] 2015-09-21 (PCT/EP2015/071601)
[87] (WO2016/046131)
[30] GB (1416985.8) 2014-09-26

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[51] **Int.Cl. A42B 3/14 (2006.01)**
[25] EN
[54] **PROTECTIVE HELMET**
[54] **CASQUE DE PROTECTION**
[72] STAUDINGER, PETER, AT
[73] ROSENBAUER INTERNATIONAL AG, AT
[85] 2017-03-21
[86] 2015-08-05 (PCT/AT2015/050191)
[87] (WO2016/019406)
[30] AT (A 50551/2014) 2014-08-06

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[25] EN
[54] **DILUTION INDEX**
[54] **INDICE DE DILUTION**
[72] SIBTAIN, FAZLE, CA
[72] DOBBIN, CHRISTOPHER, CA
[72] TAYLOR, KENNETH, CA
[72] KHAKDAMAN, HAMIDREZA, CA
[72] LI, TIEQI, CA
[72] WANG, XIAOCHUAN, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[54] **FEUILLE DE CARBONE, MATERIAU DE BASE D'ELECTRODE DE DIFFUSION DE GAZ, ET PILE A COMBUSTIBLE**
[72] SODE, KATSUYA, JP
[72] CHIDA, TAKASHI, JP
[72] UTSUNOMIYA, MASAMICHI, JP
[72] SUGAHARA, TORU, JP
[72] ANDO, TAKASHI, JP
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[54] **PANNEAU D'ECHANGE THERMIQUE ET DE REDUCTION DE BRUIT AMELIORE POUR UNE TURBOMACHINE**
[72] WAISSI, BELLAL, FR
[72] CHALAUD, SEBASTIEN, FR
[72] GUILLOU, LANCELOT, FR
[72] MARDJONO, JACKY NOVI, FR
[72] MATHON-MARGUERITTE, GUILLAUME, FR
[72] RIOU, GEORGES JEAN XAVIER, FR
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[54] **APPAREIL POUR GENERATION D'ENERGIE DANS UN SYSTEME DE FLUIDE**
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[73] TENDEKA AS, NO
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[54] **APPAREIL ET PROCEDE DE COMMANDE DE DOPAGE**
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[72] COLLI, ALAN, GB
[73] EMBERION OY, FI
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[54] **DISPOSITIF DE REGULATION DE DEBIT DE FOND DE TROU**
[72] VOLL, BENN, NO
[72] ISMAIL, ISMARULLIZAM MOHD, GB
[73] SWELLFIX UK LIMITED, GB
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[54] **DERIVES DE BENZOFURANYLE-PYRIMIDINE FLUORES CONTENANT UN GROUPE SULFOXIMINE**
[72] KOSEMUND, DIRK, DE
[72] LUCKING, URICH, DE
[72] SIEMEISTER, GERHARD, DE
[72] SCHOLZ, ARNE, DE
[72] LIENAU, PHILIP, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
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[54] **MEANS AND METHODS FOR THE DETERMINATION OF THE BIOLOGICAL ACTIVITY OF BONT/E IN CELLS**
[54] **MOYENS ET PROCEDES POUR LA DETERMINATION DE L'ACTIVITE BIOLOGIQUE DE LA BONT/E DANS LES CELLULES**
[72] BRUNN, CORNELIA, DE
[72] MANDER, GERD, DE
[73] MERZ PHARMA GMBH & CO. KGAA, DE
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[54] **PROCESSES AND SYSTEMS FOR CATALYTIC MANUFACTURE OF WAX ESTER DERIVATIVES**
[54] **PROCEDES ET SYSTEMES DE FABRICATION CATALYTIQUE DE DERIVES D'ESTER DE CIRE**
[72] ADDY, JEFF, US
[72] DALY, CLAY, US
[72] BROWN, JAMES H., US
[73] INTERNATIONAL FLORA TECHNOLOGIES, LTD., US
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[54] **RRM BASE SUR DES MESURES D'INTENSITE DE SIGNAL DANS UN LTE SUR UN SPECTRE SANS LICENCE**
[72] VAJAPEYAM, MADHAVAN SRINIVASAN, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[72] GAAL, PETER, US
[72] LUO, TAO, US
[73] QUALCOMM INCORPORATED, US
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[72] GARVER, MICHAEL, US
[73] MATHREAD INCORPORATED, US
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[72] KUMAZAWA, SHOHEI, JP
[72] IKEMOTO, KENJI, JP
[72] NAKAI, MIHO, JP
[73] UNITIKA LTD., JP
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[54] **PROCESS FOR MANUFACTURING BAGS FOR PACKAGING ITEMS, AND BAG PRODUCED THEREFROM**
[54] **PROCEDE DE FABRICATION DE SACS DESTINES A DES ARTICLES D'EMBALLAGE, ET SAC PRODUIT SELON LEDIT PROCEDE**
[72] BELIVEAU, DANIEL, CA
[72] CODERRE, SIMON, CA
[72] RUTHERFORD, RICK, CA
[73] LES EMBALLAGES TRIUM INC., CA
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[54] **TEMPERATURE ACTUATED PANEL**
[54] **PANNEAU ACTIONNE PAR LA TEMPERATURE**
[72] CHRISTMAN, DAVID B., US
[72] QUANDT, GENE A., US
[73] THE BOEING COMPANY, US
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[54] **ACINETOBACTER O-OLIGOSACCHARYLTRANSFERASES AND USES THEREOF**
[54] **O-OLIGOSACCHARYLTRANSFERASE D'ACINETOBACTER ET SES UTILISATIONS**
[72] FELDMAN, MARIO, US
[72] NASR, MOHAMED ADEL, CA
[73] VAXNEWMO LLC, US
[85] 2017-08-23
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[54] **DEVICES AND METHODS OF VISUALIZING AND DETERMINING DEPTH OF PENETRATION IN CARDIAC TISSUE**
[54] **DISPOSITIFS ET PROCEDES DE VISUALISATION ET DE DETERMINATION DE PROFONDEUR DE PENETRATION DANS UN TISSU CARDIAQUE**
[72] SAMPSON, RUSSEL, US
[72] ADAM, CHARLES J., US
[72] NGUYEN, SON, US
[72] BARON, DAVID SCOTT, US
[73] ANCORA HEART, INC., US
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[54] **METHOD, SYSTEM AND APPARATUS FOR CONTROLLING PREPAID DELIVERY OF UTILITIES**
[54] **PROCEDE, SYSTEME ET APPAREIL DE COMMANDE DE FOURNITURE PREPAYEE DE SERVICES PUBLICS**
[72] NEST, FRANK, DE
[72] SCHRODER, ANDREAS, DE
[73] REDKNEE INC., CA
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[54] **APPARATUS AND METHOD FOR PROVIDING A GRAPHIC REPRESENTATION OR GRAPHIC REPRESENTATION SEQUENCE FOR DETECTION BY A DETECTOR**
[54] **APPAREIL ET PROCEDE POUR FOURNIR UNE REPRESENTATION GRAPHIQUE OU UNE SEQUENCE DE REPRESENTATION GRAPHIQUE POUR UNE DETECTION PAR UN DETECTEUR**
[72] KIRSCH, MARTIN, DE
[73] PEPPERL+FUCHS SE, DE
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[54] **SEA BED TERMINAL FOR OFFSHORE ACTIVITIES**
[54] **TERMINAL DE FOND MARIN POUR ACTIVITES EN MER**
[72] VARTDAL, HARALD, NO
[72] ROYSHEIM, TORE, NO
[72] KJERSEM, GEIR L., NO
[73] GRAVIFLOAT AS, NO
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[54] **SYSTEME D'INSPECTION**
[72] FAN, XUPING, CN
[72] SONG, QUANWEI, CN
[72] CHEN, ZHIQIANG, CN
[72] SUN, SHANGMIN, CN
[73] NUCTECH COMPANY LIMITED, CN
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[87] (2981706)
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[54] **DISPOSITIF DE COMMUTATION, DISPOSITIF DE TEST ET PROCEDE POUR FAIRE FONCTIONNER UN DISPOSITIF DE COMMUTATION POUR UN APPAREIL DE MESURE POUR UN TRANSFORMATEUR**
[72] FREIBURG, MICHAEL, DE
[72] FEUSTEL, FELIX, AT
[72] SCHEDLER, HORST, AT
[72] ATLAS, DMITRY, AT
[73] OMICRON ELECTRONICS GMBH, AT
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[86] 2016-06-09 (PCT/EP2016/063143)
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[54] **CAPSID**
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[72] NATHWANI, AMIT, GB
[72] DANE, ALLISON, GB
[73] UCL BUSINESS LTD, GB
[85] 2017-11-14
[86] 2016-05-10 (PCT/GB2016/051329)
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[54] **METHODS FOR BROADCAST SERVICE SIGNALING**
[54] **PROCEDES DE SIGNALISATION DE SERVICE DE DIFFUSION**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2017-11-27
[86] 2016-06-01 (PCT/JP2016/002657)
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[25] EN
[54] **MANUFACTURING METHOD FOR A FILM OR A FILM PRODUCT COMPRISING AN AMPHIPHILIC POLYMER**
[54] **PROCEDE DE FABRICATION POUR UN FILM OU UN PRODUIT COMPRENANT UN POLYMERE AMPHIPHILE**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] SAUKKONEN, ESA TAPIO, FI
[72] LYYTIKAINEN, KATJA ELIISA, FI
[73] STORA ENSO OYJ, FI
[85] 2017-12-06
[86] 2016-06-21 (PCT/IB2016/053670)
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[54] **CUTTER ASSEMBLY WITH CUTTER DEVICE AND METHOD OF ASSEMBLING**
[54] **ENSEMBLE DE COUPE AVEC DISPOSITIF DE COUPE ET PROCEDE D'ASSEMBLAGE**
[72] EBNER, BERNHARD, AT
[72] HABERER, CHRISTOPH, AT
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-12-14
[86] 2015-06-22 (PCT/EP2015/063960)
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[54] **SYSTEMS AND METHODS FOR SYNCHRONIZATION OF TELEVISION CHANNEL DATA**
[54] **SYSTEMES ET PROCEDES PERMETTANT UNE SYNCHRONISATION DES DONNEES DE CANAL DE TELEVISION**
[72] CASAGRANDE, STEVEN MICHAEL, US
[72] CARD, JOHN, II, US
[73] DISH TECHNOLOGIES L.L.C., US
[85] 2018-01-17
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[54] **MULTI-USE NEAR FIELD COMMUNICATION FRONT END ON A POINT OF SALE SYSTEM**
[54] **SYSTEME D'EXTREMITE AVANT DE COMMUNICATION EN CHAMP PROCHE MULTIUSAGE DESTINE A UN POINT DE VENTE**
[72] PATWARDHAN, KETAN, US
[72] GOPALAKRISHNAN, NARAYANAN, US
[72] PAN, VICTOR, US
[72] CASTILLO, JAMES, US
[73] CLOVER NETWORK, LLC, US
[86] (2993692)
[87] (2993692)
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[25] EN
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[54] **PROCEDE ET SYSTEME D'EXPLORATION PERMETTANT DE DETECTER DES HYDROCARBURES A PARTIR D'UNE COLONNE D'EAU**
[72] HORNBOSTEL, SCOTT C., US
[72] JONES, HOMER C., US
[72] BLUM, JOHN, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2018-02-05
[86] 2016-06-30 (PCT/US2016/040418)
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[25] FR
[54] **LIGHTER-THAN-AIR AIRCRAFT AND DEBALLASTING METHOD IMPLEMENTED IN SAID LIGHTER-THAN-AIR AIRCRAFT**
[54] **AEROSTAT ET PROCEDE DE DEBALLASTAGE MIS EN OEUVRE DANS CET AEROSTAT**
[72] KUHLMANN, HERVE FRANCOIS, FR
[73] FLYING WHALES, FR
[85] 2018-02-16
[86] 2015-08-11 (PCT/EP2015/068496)
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[25] EN
[54] **APPARATUS AND METHOD FOR DETERMINING THE HARDNESS OF A GRANULAR MATERIAL**
[54] **APPAREIL ET PROCEDE PERMETTANT DE DETERMINER LA DURETE D'UN MATERIAU GRANULAIRE**
[72] KOJOVIC, TONI, AU
[73] SIMSAGE PTY LTD, AU
[85] 2018-02-23
[86] 2016-10-15 (PCT/IB2016/001591)
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[30] US (62/241,852) 2015-10-15

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[54] **SYSTEM FOR ESTIMATING AIRSPEED OF AN AIRCRAFT BASED ON A WEATHER BUFFER MODEL**
[54] **SYSTEME D'ESTIMATION DE LA VITESSE ANEMOMETRIQUE D'UN AERONEF EN FONCTION D'UN MODELE METEOROLOGIQUE**
[72] LUO, JIA, US
[73] THE BOEING COMPANY, US
[86] (2996764)
[87] (2996764)
[22] 2018-02-27
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[54] **MECANISME D'ETANCHEITE POUR DISPOSITIFS DE VOIES AERIENNES ANESTHESIQUES**
[72] MCDONALD, NEIL, IE
[73] AIRWAY MEDICAL LIMITED, IE
[85] 2018-03-01
[86] 2015-09-01 (PCT/EP2015/069925)
[87] (WO2016/034572)
[30] EP (14183563.7) 2014-09-04

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[25] EN
[54] **COMPONENT-BASED SOFTWARE SYSTEM AND DEVELOPMENT METHOD**
[54] **SYSTEME LOGICIEL A BASE DE COMPOSANTS ET PROCEDE DE DEVELOPPEMENT**
[72] YOUNG, YI, US
[73] YOUNG, YI, US
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[54] **ADMINISTRATION DE NANOPARTICULES MEDICAMENTEUSES ET LEURS METHODES D'UTILISATION**
[72] JOHNSON, KEITH, US
[72] LATHROP, ROBERT, US
[72] YANG, MEIDONG, US
[72] MAULHARDT, HOLLY, US
[72] FRANKE, ROLAND, CA
[73] DFB SORIA, LLC, US
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[54] **SYSTEME DE SURVEILLANCE GLOBALE POUR EVALUATION DE PERFORMANCE D'EQUIPEMENT CRITIQUE**
[72] BARTELL, STEPHEN T., US
[72] RICHARDSON, GARY A., AU
[72] RYDLAND, CARL J., US
[73] CONOCOPHILLIPS COMPANY, US
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[54] **LIDAR A STABILITE DE PENTE**
[72] BELLETT, PATRICK T, AU
[72] CAMPBELL, LACHLAN, AU
[73] GROUNDPROBE PTY LTD, AU
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[54] **PROCEDE ET APPAREIL POUR REDUIRE LE RISQUE DE SECURITE DANS UNE ARCHITECTURE DE SYSTEME INFORMATIQUE EN RESEAU**
[72] TAMIR, GIORA, US
[72] HENDERSON, LISA, US
[72] BERNAL, JOSE, US
[72] BOYLE, BRYAN, US
[73] SERVICENOW, INC., US
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[54] **CARTOUCHE DE REACTIF POUR LA DETECTION DE CELLULES**
[72] FREI, WERNER, US
[72] GRISWOLD, RYAN C., US
[72] DONNELLY, DORAN, US
[72] PAGE, LANCE, US
[72] ROY, SHAUNAK, US
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[54] **REACH-COMPLIANT PYROTECHNIC DELAYED-ACTION COMPOSITION AND PRIMER CHARGE HAVING VARIABLY SETTABLE PERFORMANCE PARAMETERS**
[54] **COMPOSITION PYROTECHNIQUE DE RETARDEMENT ET D'ALLUMAGE CONFORME AU REGLEMENT REACH ET DONT LES PARAMETRES DE PERFORMANCE PEUVENT ETRE MODULABLES**
[72] CEGIEL, DIRK, DE
[72] SCHULZ, ERNEST, DE
[72] STRENGER, JULIA, DE
[73] RHEINMETALL WAFFE MUNITION GMBH, DE
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[54] **A METHOD AND SYSTEM FOR CODIFICATION, TRACKING, AND USE OF INFORMED CONSENT DATA FOR HUMAN SPECIMEN RESEARCH**
[54] **PROCEDE ET SYSTEME DE CODIFICATION, DE SUIVI ET D'UTILISATION DE DONNEES DE CONSENTEMENT ECLAIRE POUR UNE RECHERCHE DE SPECIMEN HUMAIN**
[72] WARNER, AMELIA WALL, US
[72] COLLINS, MARK ANTHONY, US
[73] GLOBAL SPECIMEN SOLUTIONS, INC., US
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[54] **SYSTEME DE RADIODIFFUSION A CHARGE UTILE DE FILIGRANE NUMERIQUE**
[72] DESHPANDE, SACHIN G., US
[72] MISRA, KIRAN ., US
[73] SHARP KABUSHIKI KAISHA, JP
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[54] **ENTRAINEMENT DE BANDE TRANSPORTEUSE D'AVICULTURE**
[72] KUHLMANN, FRANZ JOSEF, DE
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[54] **UNITE DE MESURE NON ACOUSTIQUE**
[72] BOUFFARON, RENAUD, FR
[72] DOISY, MARTINE, FR
[72] BERGOGNE, CHRISTIAN, FR
[73] THALES, FR
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[54] **FRACTIONATED STILLAGE SEPARATION AND FEED PRODUCTS**
[54] **SEPARATION DE VINASSE FRACTIONNEE ET PRODUITS DE MATIERE PREMIERE**
[72] GALLOP, CHARLES C., US
[72] GERKEN, CHRISTOPHER RILEY WILLIAM, US
[72] SPOONER, JESSE, US
[72] EMME, BRANDON, US
[72] DIEKER, KURT A., US
[72] PEREIRA, JOHN A., US
[73] ICM, INC., US
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[54] **ARTICULATION ASSEMBLIES FOR RETRACTING AIRCRAFT FLAP SUPPORT FAIRINGS AND RELATED METHODS**
[54] **ENSEMBLES D'ARTICULATION POUR RETRACTION DE CARENAGES DE SUPPORT DE VOLET D'AERONEF ET PROCEDES CONNEXES**
[72] TSAI, KEVIN, US
[72] VIRNIG, JACOB, US
[73] THE BOEING COMPANY, US
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[87] (3010837)
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[54] **METHOD FOR RECOVERING GOLD FROM AN ORE OR A REFINING INTERMEDIATE CONTAINING GOLD**
[54] **PROCEDE DE RECUPERATION D'OR A PARTIR D'UN MINERAI OU D'UN INTERMEDIAIRE DE RAFFINAGE CONTENANT DE L'OR**
[72] YOSHIMURA, AKIRA, JP
[72] ABE, YOSHIFUMI, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2018-07-16
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[54] **PASSIVATION DE PARTICULE DE FER**
[72] KINLEN, PATRICK J., US
[73] THE BOEING COMPANY, US
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[54] **MICROCURRENT DEVICE AND METHOD FOR THE TREATMENT OF VISUAL DISEASE**
[54] **DISPOSITIF DE MICRO-COURANTS ET PROCEDE SERVANT AU TRAITEMENT D'UNE AFFECTION VISUELLE**
[72] O'CLOCK, GEORGE D., US
[73] NOVA OCULUS CANADA MANUFACTURING ULC, CA
[85] 2018-08-23
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[54] **CARBON NANOMATERIAL COMPOSITE SHEET AND METHOD FOR MAKING THE SAME**
[54] **FEUILLE DE COMPOSITE DE NANOMATERIAU DE CARBONE ET METHODE DE FABRICATION ASSOCIEE**
[72] BRALEY, DANIEL J., US
[72] KARTY, JANICE L., US
[73] THE BOEING COMPANY, US
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[54] **PRODUIT ALIMENTAIRE A BASE DE PATE ET SON PROCEDE DE PREPARATION**
[72] BAHE, KRISTI L., US
[72] COX, STEVEN J., US
[72] THOMPSON, JEREMY B., US
[73] GENERAL MILLS, INC., US
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[54] **COMPOSITIONS PHARMACEUTIQUES A BASE D'APREMILAST**
[72] SREEDHARALA, VENKATA NOOKARAJU, IN
[73] APRAMITA INNOVATIONS PRIVATE LIMITED, IN
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[54] **CELLULES HOTES OPTIMISEES POUR LA PRODUCTION DE GLUTATHION**
[72] WILDE, CAROLINE, CA
[72] CLUIS, CORINNE, CA
[73] LALLEMAND INC., CA
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[54] **METHOD AND APPARATUS FOR DEPLOYING AND RETRIEVING OBJECTS IN A CAVITY**
[54] **PROCEDE ET APPAREIL POUR DEPLOIEMENT ET RECUPERATION D'OBJETS DANS UNE CAVITE**
[72] EGGERS, MITCHELL, US
[72] DURACK, JEREMY, US
[72] STEELE, JOSEPH, US
[72] KIRK, RAYMOND, US
[72] HOGAN, MICHAEL, US
[72] FRANKLIN, DAVID, US
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[54] **SOLID INSPECTION APPARATUS AND METHOD OF USE**
[54] **APPAREIL D'INSPECTION DE SOLIDE ET PROCEDE D'UTILISATION**
[72] EARNEY, JOHN GERHARDT, US
[72] PINTO, JOSEPH FRANCIS, US
[72] BOWEN, M. SHANE, US
[72] GRAIGE, MICHAEL S., US
[72] PITERA, ARTHUR, US
[72] VENKATESAN, BALA MURALI K., US
[72] YUAN, DAJUN, US
[73] ILLUMINA, INC., US
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[54] **MODIFICATION OF RNA, PRODUCING AN INCREASED TRANSCRIPT STABILITY AND TRANSLATION EFFICIENCY**
[54] **MODIFICATIONS D'ARN, QUI PERMETTENT UNE STABILITE DE TRANSCRIPTION ET UNE EFFICACITE DE TRANSLATION AMELIOREES**
[72] SAHIN, UGUR, DE
[72] HOLTKAMP, SILKE, DE
[72] TURECI, OZLEM, DE
[72] KREITER, SEBASTIAN, DE
[73] BIONTECH SE, DE
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[54] **CLAMP-ON SINGLE JOINT MANIPULATOR FOR USE WITH SINGLE JOINT ELEVATOR**
[54] **MANIPULATEUR A ARTICULATION UNIQUE DE SERRAGE POUR UTILISATION AVEC UN ELEVATEUR A ARTICULATION UNIQUE**
[72] LUTGRING, KEITH, US
[72] SMITH, LOGAN, US
[72] GUIDRY, NICHOLAS, US
[73] FRANK'S INTERNATIONAL, LLC, US
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[54] **PROCEDE ET APPAREIL D'AUTHENTIFICATION D'IDENTITE**
[72] LI, PENG, CN
[72] SUN, YIPENG, CN
[72] XIE, YONGXIANG, CN
[72] LI, LIANG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
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[54] **DISPOSITIF ET SYSTEME DE FORMATION A LA HAUTE TENSION, ET PROCEDE ASSOCIE**
[72] WARD, ROBERT J., US
[72] THOMPSON, CALEB R., US
[72] TIMMONS, BRIAN L., US
[73] TIMPSON ELECTRICAL & AERIAL SERVICES, LLC, US
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[54] **EXTINCTEUR**
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[72] KAMO, MITSUNORI, JP
[73] KOATSU CO., LTD., JP
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[54] **FABRICATION D'UNE FONCTION INCLONABLE PHYSIQUE HELICOIDALE**
[72] AHNE, ADAM JUDE, US
[73] LEXMARK INTERNATIONAL, INC., US
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[54] **ROULEAU DE MASSAGE**
[72] NELSON, JEREMY J., US
[73] ROLL RECOVERY, LLC, US
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[54] **METHOD AND APPARATUS FOR PRODUCING A PADDING PRODUCT, AND PADDING PRODUCT**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN ARTICLE DE REMBOURRAGE, ET ARTICLE DE REMBOURRAGE**
[72] SLOVENCIK, JEAN-MARC, DE
[73] STOROPACK HANS REICHENECKER GMBH, DE
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[54] **CARTRIDGE FOR AEROSOL INHALER, AEROSOL INHALER PROVIDED WITH SAME, AND HEAT-GENERATING SHEET FOR AEROSOL INHALER**
[54] **CARTOUCHE POUR INHALATEUR D'AEROSOL, INHALATEUR D'AEROSOLMUNI DE CELLE-CI ET PLAQUE PRODUCTRICE DE CHALEUR POUR INHALATEUR D'AEROSOL**
[72] MATSUMOTO, HIROFUMI, JP
[72] NAKANO, TAKUMA, JP
[72] YAMADA, MANABU, JP
[72] OISHI, KEI, JP
[73] JAPAN TOBACCO INC., JP
[85] 2018-12-27
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[54] **TRACKED AGRICULTURAL IMPLEMENT HAVING A CASTER WHEEL ASSEMBLY**
[54] **ACCESSOIRE AGRICOLE TRACTE EQUIPE D'UN MECANISME DE ROULETTE**
[72] DEKAM, MONTE LEE, US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (3030351)
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[54] **APPARATUS AND METHODS FOR RECEIVING DISCHARGED URINE**
[54] **APPAREIL ET PROCEDES POUR RECEVOIR DE L'URINE EVACUEE**
[72] NEWTON, CAMILLE R., US
[72] NEWTON, RAYMOND J., US
[73] PUREWICK CORPORATION, US
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[30] US (15/221,106) 2016-07-27
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[25] EN
[54] **ENTHALPY EXCHANGER ELEMENT, ENTHALPY EXCHANGER COMPRISING SUCH ELEMENTS AND METHOD FOR THEIR PRODUCTION**
[54] **ELEMENT DE ROUE HYDROSCOPIQUE, ROUE HYDROSCOPIQUE COMPRENANT DE TELS ELEMENTS ET LEUR PROCEDE DE PRODUCTION**
[72] HIRSCH, CHRISTIAN, DE
[72] BRANDT, STEFAN, DE
[72] BIER, CHRISTIAN, DE
[72] MAYERSHOFER, MARTIN, DE
[73] ZEHNDER GROUP INTERNATIONAL AG, CH
[73] SYMPATEX TECHNOLOGIES GMBH, DE
[85] 2019-01-25
[86] 2017-07-24 (PCT/IB2017/054466)
[87] (WO2018/020392)
[30] EP (16020276.8) 2016-07-25

[11] **3,033,232**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **DOSE SENSING MECHANISM IN A MEDICATION DELIVERY DEVICE**
[54] **MECANISME DE DETECTION DE DOSE DANS UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] ALAGIA, NICOLA ANTONIO, US
[72] BYERLY, ROY HOWARD, US
[72] PERKINS, RUSSELL WAYNE, US
[72] MASSARI, ROSSANO CLAUDIO, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-02-06
[86] 2017-08-04 (PCT/US2017/045419)
[87] (WO2018/031390)
[30] US (62/374,202) 2016-08-12

[11] **3,035,659**
[13] C
[51] **Int.Cl. A61K 47/61 (2017.01) C08B 37/00 (2006.01)**
[25] EN
[54] **SULFATED GLYCOSAMINOGLYCAN BIOMATERIALS AS PROTEOGLYCAN MIMICS**
[54] **BIOMATERIAUX A BASE DE GLYCOSAMINOGLYCANES SULFATES UTILISES EN TANT QUE MIMETIQUES DE PROTEOGLYCANES**
[72] JOZEFIAK, THOMAS, H., US
[73] GLYCOLOGIX, INC., US
[85] 2019-03-01
[86] 2017-09-15 (PCT/US2017/051799)
[87] (WO2018/053276)
[30] US (62/395,805) 2016-09-16

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[51] **Int.Cl. B01D 39/16 (2006.01) B01D 17/02 (2006.01) B01D 41/00 (2006.01) B01J 20/28 (2006.01) B01J 20/34 (2006.01) C02F 1/28 (2006.01) C02F 1/40 (2006.01) E02B 15/04 (2006.01)**
[25] EN
[54] **RECOVERY OF CRUDE OIL FROM A CRUDE OIL ADSORBENT AND SIMULTANEOUS REGENERATON OF THE ADSORBENT**
[54] **RECUPERATION DE PETROLE BRUT A PARTIR D'UN ADSORBANT DE PETROLE BRUT ET REGENERATION SIMULTANEE DE L'ADSORBANT**
[72] ALAYANDE, SAMSON OLUWAGBEMIGA, NG
[72] DARE, ENOCK OLUGBENGA, NG
[72] AKINLABI, AKINOLA KEHINDE, NG
[72] AIYEDUN, PETER OLAITAN, NG
[72] MSAGATI, TITUS A M, ZA
[73] UNIVERSITY OF SOUTH AFRICA, ZA
[85] 2019-03-21
[86] 2017-09-22 (PCT/IB2017/055766)
[87] (WO2018/055566)
[30] ZA (2016/06582) 2016-09-23

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[51] **Int.Cl. H04W 74/08 (2009.01) H04W 16/14 (2009.01) H04B 1/713 (2011.01) H04L 5/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION BETWEEN WIDEBAND ENB AND NARROWBAND UE**
[54] **COMMUNICATION SANS FIL ENTRE UN ENB A LARGE BANDE ET UN UE A BANDE ETROITE**
[72] YERRAMALLI, SRINIVAS, US
[72] KADOUS, TAMER, US
[72] LIU, CHIH-HAO, US
[72] PATEL, CHIRAG, US
[72] RICO ALVARINO, ALBERTO, US
[73] QUALCOMM INCORPORATED, US
[85] 2019-03-21
[86] 2017-10-27 (PCT/US2017/058849)
[87] (WO2018/085153)
[30] US (62/416,651) 2016-11-02
[30] US (15/635,033) 2017-06-27

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[51] **Int.Cl. G01N 1/40 (2006.01) G01N 21/64 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETECTING MERCURY ISOTOPES IN NATURAL GAS**
[54] **PROCEDES ET DISPOSITIFS DE DETECTION D`ISOTOPES DE MERCURE DANS UN GAZ NATUREL**
[72] ZHU, GUANGYOU, CN
[72] TANG, SHUNLIN, CN
[73] PETROCHINA COMPANY LIMITED, CN
[86] (3039564)
[87] (3039564)
[22] 2019-04-08
[30] CN (201811284109.7) 2018-10-31

[11] **3,039,766**
[13] C
[51] **Int.Cl. H04B 7/04 (2017.01) H04W 52/02 (2009.01) H04B 7/06 (2006.01)**
[25] EN
[54] **METHODS AND ARRANGEMENTS RELATING TO PROVISION OF BEAM COVERAGE FOR A COMMUNICATION DEVICE OPERATING IN A WIRELESS COMMUNICATION NETWORK**
[54] **PROCEDES ET SYSTEMES RELATIFS A LA FOURNITURE D'UNE COUVERTURE DES FAISCEAUX POUR UN DISPOSITIF DE COMMUNICATION FONCTIONNANT DANS UN RESEAU DE COMMUNICATION SANS FIL**
[72] HESSLER, MARTIN, SE
[72] FROBERG OLSSON, JONAS, SE
[72] FRENGER, PAL, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-04-08
[86] 2017-10-04 (PCT/SE2017/050970)
[87] (WO2018/067059)
[30] US (62/405,319) 2016-10-07

[11] **3,040,599**
[13] C
[51] **Int.Cl. G01S 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING ENVIRONMENT MODEL AND FOR POSITIONING USING CROSS-SENSOR FEATURE POINT REFERENCING**
[54] **PROCEDE ET SYSTEME DE GENERATION D'UN MODELE D'ENVIRONNEMENT ET DE POSITIONNEMENT A L'AIDE D'UN REFERENCEMENT DE POINTS CARACTERISTIQUES DE CAPTEUR TRANSVERSAL**
[72] THIEL, CHRISTIAN, DE
[72] BARNARD, PAUL, GB
[72] GAO, BINGTAO, CN
[73] CONTINENTAL AUTOMOTIVE GMBH, DE
[85] 2019-04-15
[86] 2016-11-29 (PCT/CN2016/107748)
[87] (WO2018/098635)

[11] **3,041,035**
[13] C
[51] **Int.Cl. G01V 1/40 (2006.01)**
[25] EN
[54] **DOWNHOLE NONLINEAR ACOUSTICS MEASUREMENTS IN ROCK FORMATIONS USING DYNAMIC ACOUSTIC ELASTICITY AND TIME REVERSAL**
[54] **MESURES ACOUSTIQUES NON LINEAIRES DE FOND DE TROU DANS DES FORMATIONS ROCHEUSES PAR ELASTICITE ACOUSTIQUE DYNAMIQUE ET INVERSION TEMPORELLE**
[72] GOODMAN, HARVEY E., US
[72] ULRICH II, TIMOTHY J., US
[72] ROBERTS, PETER M., US
[72] REMILLIEUX, MARCEL C., US
[72] JOHNSON, PAUL A., US
[72] LE BAS, PIERRE-YVES, US
[72] GUYER, ROBERT A., US
[73] TRIAD NATIONAL SECURITY, LLC, US
[73] CHEVRON U.S.A. INC., US
[85] 2019-04-17
[86] 2017-10-24 (PCT/US2017/058160)
[87] (WO2018/081179)
[30] US (62/411,717) 2016-10-24
[30] US (62/462,081) 2017-02-22

[11] **3,041,154**
[13] C
[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR INCREMENTAL REDUNDANCY HYBRID AUTOMATIC REPEAT REQUEST (IR-HARQ) RE-TRANSMISSION**
[54] **PROCEDE ET DISPOSITIF DE RETRANSMISSION DE DEMANDE DE REPETITION AUTOMATIQUE HYBRIDE (IR-HARQ) A REDONDANCE INCREMENTIELLE**
[72] ZHANG, GONGZHENG, CN
[72] ZHANG, HUAZI, CN
[72] LI, RONG, CN
[72] WANG, JUN, CN
[72] GE, YIQUN, CA
[72] TONG, WEN, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-04-18
[86] 2017-10-17 (PCT/CN2017/106560)
[87] (WO2018/072691)
[30] US (62/411,485) 2016-10-21
[30] US (15/784,836) 2017-10-16

[11] **3,042,189**
[13] C
[51] **Int.Cl. F04D 13/02 (2006.01) E21B 33/14 (2006.01) E21B 43/26 (2006.01) F04D 13/06 (2006.01) F04D 13/12 (2006.01) F04D 15/00 (2006.01) F04D 29/00 (2006.01)**
[25] EN
[54] **MOBILE PUMP SYSTEM**
[54] **SYSTEME DE POMPE MOBILE**
[72] CURRY, MATTHEW, US
[72] COMBS, CHRISTOPHER, US
[73] GREEN ZONE TECHNOLOGIES LLC, US
[86] (3042189)
[87] (3042189)
[22] 2019-05-03
[30] US (62/666,945) 2018-05-04

[11] **3,042,798**
[13] C
[51] **Int.Cl. A01C 5/06 (2006.01) A01B 63/24 (2006.01)**
[25] EN
[54] **DEPTH ADJUSTMENT FEATURES FOR A SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT**
[54] **CARACTERISTIQUES DE REGLAGE DE LA PROFONDEUR DE L`UNITE DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE**
[72] KOWALCHUK, TREVOR L., CA
[72] ENGEL, GORDON ANTHONY, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3042798)
[87] (3042798)
[22] 2019-05-09
[30] US (16/031,248) 2018-07-10

[11] **3,042,800**
[13] C
[51] **Int.Cl. A01C 5/06 (2006.01) A01B 63/16 (2006.01) A01B 63/24 (2006.01) A01B 71/02 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **DEPTH ADJUSTMENT FEATURES FOR A SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT**
[54] **CARACTERISTIQUES DE REGLAGE DE LA PROFONDEUR DE L`UNITE DE PLANTATION DE GRAINES D`UN OUTIL AGRICOLE**
[72] KOWALCHUK, TREVOR L., CA
[72] ENGEL, GORDON ANTHONY, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3042800)
[87] (3042800)
[22] 2019-05-09
[30] US (16/031,219) 2018-07-10

[11] **3,045,819**
[13] C
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/32 (2013.01)**
[25] EN
[54] **LIVENESS DETECTION**
[54] **DETECTION D`ETAT ACTIF**
[72] HAMID, LAURENCE, CA
[72] BORZA, STEPHEN, CA
[73] HAMID, LAURENCE, CA
[73] BORZA, STEPHEN, CA
[86] (3045819)
[87] (3045819)
[22] 2019-06-11
[30] US (62/683,096) 2018-06-11

[11] **3,047,658**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[72] XU, HUA, CA
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-06-19
[86] 2016-12-23 (PCT/CN2016/111838)
[87] (WO2018/112934)

[11] **3,048,529**
[13] C
[51] **Int.Cl. B05C 11/08 (2006.01) G03F 7/16 (2006.01) H01L 21/67 (2006.01)**
[25] EN
[54] **OPTIMAL EXPOSURE OF A BOTTOM SURFACE OF A SUBSTRATE MATERIAL AND/OR EDGES THEREOF FOR CLEANING IN A SPIN COATING DEVICE**
[54] **EXPOSITION OPTIMALE D`UNE SURFACE INFERIEURE D`UN SUBSTRAT OU DE SES BORDS POUR LE NETTOYAGE DANS UN APPAREIL DE REVETEMENT PAR CENTRIFUGATION**
[72] TRUONG, TRANH, VN
[72] DANG, TRI, VN
[72] TRAN, TU, VN
[72] NGUYEN, HIEU CHARLIE, US
[73] C&D SEMICONDUCTOR SERVICES, INC., US
[86] (3048529)
[87] (3048529)
[22] 2019-07-02
[30] US (62695826) 2018-07-09

[11] **3,050,752**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **DOSE DETECTION AND DRUG IDENTIFICATION FOR A MEDICATION DELIVERY DEVICE**
[54] **DETECTION DE DOSE ET IDENTIFICATION DE MEDICAMENT POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] BYERLY, ROY HOWARD, US
[72] MASSARI, ROSSANO CLAUDIO, US
[72] MURPHY, PATRICK KEVIN, US
[72] PACCIORETTI, DAVIDE, US
[72] PERKINS, RUSSELL WAYNE, US
[72] PSZENNY, SEAN MATTHEW, US
[72] REGELE, OLIVER BRIAN, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-07-17
[86] 2018-02-22 (PCT/US2018/019156)
[87] (WO2018/160425)
[30] US (62/464,662) 2017-02-28
[30] US (62/539,106) 2017-07-31
[30] US (62/552,556) 2017-08-31

[11] **3,051,018**
[13] C
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **METHOD FOR RANDOM ACCESS, AND TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE D'ACCES ALEATOIRE, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-19
[86] 2017-01-23 (PCT/CN2017/072290)
[87] (WO2018/133128)

[11] **3,051,894**
[13] C
[51] **Int.Cl. A61B 90/70 (2016.01) A61M 25/00 (2006.01) A61M 27/00 (2006.01) B08B 9/043 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES TO CLEAR OBSTRUCTIONS FROM MEDICAL TUBES**
[54] **PROCEDES ET DISPOSITIFS DESTINES A L'ELIMINATION D'OBSTRUCTIONS DE TUBULURES MEDICALES**
[72] BOYLE, EDWARD M., JR., US
[72] DALE, NATHAN J., US
[72] LEONARD, PAUL C., US
[72] GILLINOV, ALAN MARC, US
[72] COHN, WILLIAM E., US
[72] KIDERMAN, SAM, US
[73] THE CLEVELAND CLINIC FOUNDATION, US
[73] CLEARFLOW, INC., US
[86] (3051894)
[87] (3051894)
[22] 2009-01-26
[62] 2,994,429
[30] US (61/023,829) 2008-01-25
[30] US (61/189,850) 2008-08-22

[11] **3,052,881**
[13] C
[51] **Int.Cl. F16K 31/44 (2006.01) E02B 7/40 (2006.01) E02B 9/06 (2006.01) F16L 55/10 (2006.01)**
[25] EN
[54] **ACTUATION AND VALVE MECHANISM**
[54] **MECANISME A SOUPAPE ET ACTIONNEUR**
[72] AUGHTON, DAVID JOHN, AU
[73] RUBICON RESEARCH PTY LTD, AU
[86] (3052881)
[87] (3052881)
[22] 2012-03-30
[62] 2,831,797
[30] AU (2011901214) 2011-04-01

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[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/02 (2006.01) F25J 3/08 (2006.01)**
[25] EN
[54] **INCREASING EFFICIENCY IN AN LNG PRODUCTION SYSTEM BY PRE-COOLING A NATURAL GAS FEED STREAM**
[54] **AUGMENTATION DE L'EFFICACITE DANS UN SYSTEME DE PRODUCTION DE GNL PAR PRE-REFROIDISSEMENT D'UN FLUX D'ALIMENTATION EN GAZ NATUREL**
[72] PIERRE, FRITZ, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-08-12
[86] 2018-01-15 (PCT/US2018/013702)
[87] (WO2018/147974)
[30] US (62/458,131) 2017-02-13

[11] **3,053,789**
[13] C
[51] **Int.Cl. B01D 53/86 (2006.01) B01D 53/46 (2006.01) B01D 53/94 (2006.01)**
[25] EN
[54] **GASEOUS POLLUTION CONTROL DEVICES AND METHODS OF REMOVING GASEOUS POLLUTANTS FROM AIR**
[54] **DISPOSITIFS DE CONTROLE ANTIPOLLUTION GAZEUSE ET METHODES D'ELIMINATION DES POLLUANTS GAZEUX DANS L'AIR**
[72] WOOD, DAVID J., CA
[72] ROTH, STEPHANIE D., CA
[72] SHAYKO, SCOTT A., CA
[72] VAN HEYST, WILLIAM, CA
[72] QIU, XIN, CA
[73] ENVISION SQ INC., CA
[86] (3053789)
[87] (3053789)
[22] 2019-08-30

[11] **3,054,428**
[13] C
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 5/00 (2006.01)**
[25] EN
[54] **LIQUID NATURAL GAS LIQUEFIER UTILIZING MECHANICAL AND LIQUID NITROGEN REFRIGERATION**
[54] **LIQUEFACTEUR DE GAZ NATUREL LIQUIDE UTILISANT LES REFRIGERATIONS MECANIQUE ET A L'AZOTE LIQUIDE**
[72] DEGENSTEIN, NICK J., US
[72] HANDLEY, JAMES R., US
[72] RASHAD, MOHAMMAD ABDUL-AZIZ, US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2019-08-22
[86] 2018-02-26 (PCT/US2018/019627)
[87] (WO2018/157019)
[30] US (62/463,269) 2017-02-24
[30] US (15/903,172) 2018-02-23

[11] **3,054,974**
[13] C
[51] **Int.Cl. F03D 80/00 (2016.01) F03D 7/02 (2006.01) F16H 1/32 (2006.01) F16H 25/02 (2006.01)**
[25] EN
[54] **ADJUSTMENT UNIT FOR AZIMUTH ADJUSTMENT AND/OR PITCH ADJUSTMENT OF A WIND TURBINE, AND METHOD**
[54] **UNITE DE REGLAGE POUR REGLER L'AZIMUT ET/OU LE PAS D'UNE EOLIENNE ET PROCEDE**
[72] GUDEWER, WILKO, DE
[72] JEPSEN, TORSTEN, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2019-08-29
[86] 2018-02-26 (PCT/EP2018/054641)
[87] (WO2018/158180)
[30] DE (10 2017 104 474.4) 2017-03-03

[11] **3,055,168**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01) A23L 33/17 (2016.01) A61K 8/64 (2006.01) A61K 8/73 (2006.01) A61K 31/728 (2006.01) A61K 38/17 (2006.01) A61Q 19/08 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **COMPOSITION FOR SKIN AGING MEASUREMENT, PREVENTION, OR ALLEVIATION USING HAPLN1**
[54] **COMPOSITION POUR LA MESURE, LA PREVENTION OU LA REDUCTION DU VIEILLISSEMENT DE LA PEAU, A L'AIDE DE HAPLN1**
[72] KIM, DAE KYONG, KR
[72] FU, ZHICHENG, CN
[72] BACK, MOON JUNG, KR
[73] HAPLNSCIENCE INC., KR
[85] 2019-08-30
[86] 2017-03-06 (PCT/KR2017/002395)
[87] (WO2018/164290)

[11] **3,055,886**
[13] C
[51] **Int.Cl. B29C 48/885 (2019.01)**
[25] EN
[54] **ADJUSTABLE VENTURI RING**
[54] **ANNEAU VENTURI REGLABLE**
[72] BRINK, RALPH, CA
[72] MARTIN, LAURA, CA
[72] AZIZ, AL-AMIN, CA
[72] LEWIS, WINSTON, CA
[72] HUGHES, GARY, CA
[73] BRAMPTON ENGINEERING INC., CA
[85] 2019-09-09
[86] 2018-03-23 (PCT/IB2018/051984)
[87] (WO2018/185597)
[30] US (62/482,969) 2017-04-07

[11] **3,056,907**
[13] C
[51] **Int.Cl. B60L 53/53 (2019.01) B60L 53/30 (2019.01) B60L 53/60 (2019.01) B60S 5/02 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **ELECTRIC VEHICLE (EV) FAST RECHARGE STATION AND SYSTEM**
[54] **STATION ET SYSTEME DE RECHARGE RAPIDE DE VEHICULE ELECTRIQUE (EV)**
[72] STANFIELD, JAMES RICHARD, US
[73] THE NOCO COMPANY, US
[85] 2019-09-17
[86] 2018-03-23 (PCT/US2018/024058)
[87] (WO2018/175904)
[30] US (62/476,499) 2017-03-24

[11] **3,057,393**
[13] C
[51] **Int.Cl. G06Q 50/16 (2012.01) G06F 16/27 (2019.01) G07C 9/00 (2020.01)**
[25] EN
[54] **PROPERTY MANAGEMENT SYSTEM UTILIZING A BLOCKCHAIN NETWORK**
[54] **SYSTEME DE GESTION DE BIEN UTILISANT UN RESEAU DE CHAINE DE BLOCS**
[72] LI, YANPENG, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-09-20
[86] 2019-03-04 (PCT/CN2019/076877)
[87] (WO2019/101233)

[11] **3,057,477**
[13] C
[51] **Int.Cl. B64D 11/00 (2006.01) B64C 1/00 (2006.01) G09F 9/00 (2006.01) G09G 3/00 (2006.01)**
[25] EN
[54] **PANELLING PART FOR A CABIN OF A MEANS OF TRANSPORTATION**
[54] **ELEMENT DE CARENAGE POUR CABINE D`UN MOYEN DE TRANSPORT**
[72] HAHN, DENNIS, DE
[72] KAISER, GUIDO, DE
[72] LINDE, PETER, DE
[73] AIRBUS OPERATIONS GMBH, DE
[86] (3057477)
[87] (3057477)
[22] 2019-10-03
[30] DE (102018127044.5) 2018-10-30

[11] **3,059,742**
[13] C
[51] **Int.Cl. B65B 1/06 (2006.01)**
[25] EN
[54] **AUTOMATIC BAG FILLING MACHINE WITH SEVERAL FILLING STATIONS**
[54] **ENSACHEUSE AUTOMATIQUE AVEC PLUSIEURS POSTES DE REMPLISSAGE**
[72] CONCETTI, TEODORO, IT
[72] CONCETTI, EMANUELE, IT
[73] CONCETTI S.P.A., IT
[86] (3059742)
[87] (3059742)
[22] 2019-10-23
[30] IT (102018000009899) 2018-10-30

[11] **3,061,401**
[13] C
[51] **Int.Cl. F28D 9/00 (2006.01) F28F 3/00 (2006.01) F28F 9/02 (2006.01) A23L 5/00 (2016.01) A23L 13/60 (2016.01) A22C 11/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR HEATING OR COOLING VISCOUS MATERIALS**
[54] **PROCEDES ET DISPOSITIFS DE CHAUFFAGE OU DE REFROIDISSEMENT DE MATIERES VISQUEUSES**
[72] CULLY, KEVIN J., US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **WIND TURBINE ROTOR BLADE**
[54] **PALE DE ROTOR D'EOLIENNE**
[72] GODENAU, DIETHELM, DE
[72] KREBS, SVEN, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2019-10-25
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[87] (WO2018/211055)
[30] DE (10 2017 110 797.5) 2017-05-18

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[51] **Int.Cl. H02K 11/33 (2016.01) H02K 3/28 (2006.01)**
[25] EN
[54] **VARIABLE COIL CONFIGURATION SYSTEM CONTROL, APPARATUS AND METHOD**
[54] **APPAREIL, PROCEDE ET SYSTEME TEMOIN DE CONFIGURATION D'UNE BOBINE VARIABLE**
[72] RITCHEY, JONATHAN GALE, CA
[73] DPM TECHNOLOGIES INC., CA
[85] 2019-10-28
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[25] EN
[54] **CGRP RECEPTOR ANTAGONISTS**
[54] **ANTAGONISTES DU RECEPTEUR CGRP**
[72] COATES, DAVID ANDREW, US
[72] RICHARDS, SIMON JAMES, US
[72] SANDERSON, ADAM JAN, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-10-25
[86] 2018-05-08 (PCT/US2018/031483)
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[25] EN
[54] **SHARED MEMORY-BASED TRANSACTION PROCESSING**
[54] **TRAITEMENT DE TRANSACTIONS A BASE DE MEMOIRE PARTAGEE**
[72] MANUKYAN, JACQUES AGOP, US
[72] NWEKE, WILSON EJIKE, US
[73] STREAMINGEDGE INC., US
[85] 2019-10-29
[86] 2017-05-12 (PCT/US2017/032458)
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[51] **Int.Cl. G01N 21/91 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **FLUORESCENT PENETRANT INSPECTION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`INSPECTION PAR RESSUAGE AU LIQUIDE FLUORESCENT**
[72] BIAN, XIAO, US
[72] DIWINSKY, DAVID SCOTT, US
[72] BEWLAY, BERNARD, US
[72] BOUCHARD, STEEVES, CA
[72] CANTIN, DAVID, CA
[72] HAREL, STEPHANE, CA
[72] KARIGIANNIS, JOHN, CA
[73] GENERAL ELECTRIC COMPANY, US
[86] (3062051)
[87] (3062051)
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[25] EN
[54] **SPRAY POT**
[54] **POT DE PULVERISATION**
[72] SUN, HUI, CN
[72] HUSSEY, IAN, CN
[73] SHENZHEN WISDOM SCIENCE AND TECHNOLOGY CO., LTD, CN
[85] 2019-11-26
[86] 2017-09-14 (PCT/CN2017/101783)
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[25] EN
[54] **QUATERNARY AMMONIUM COMPOUND COMPOSITIONS AND METHODS FOR MAKING AND USING SAME**
[54] **COMPOSITIONS COMPRENANT UN COMPOSE D`AMMONIUM QUATERNAIRE ET LEURS PROCEDES DE FABRICATION ET D`UTILISATION**
[72] EYLEM, CAHIT, US
[72] CHRISTMAS, KEVIN PATRICK, US
[72] PRODOEHL, MICHAEL SCOTT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[86] (3067388)
[87] (3067388)
[22] 2020-01-10
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[51] **Int.Cl. G06Q 50/10 (2012.01) G06F 3/14 (2006.01)**
[25] EN
[54] **INTERFACES FOR RESOLVING MAINTENANCE ACTIVITIES**
[54] **INTERFACES POUR RESOUDRE LES ACTIVITES DE MAINTENANCE**
[72] KURNIAWAN, ANDIE, US
[72] PAIX, KENDALL, US
[72] PARMAR, ASHISH, US
[72] LIN, FRANK, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3067391)
[87] (3067391)
[22] 2020-01-10
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[25] EN
[54] **PROCESS AND APPARATUS FOR HYDROISOMERIZING A HYDROPROCESSED LIQUID STREAM**
[54] **PROCEDE ET APPAREIL D'HYDROISOMERISATION D'UN FLUX DE LIQUIDE HYDROTRAITE**
[72] SINGH, SIMERJEET, US
[72] SPIVEY, MICHAEL A., US
[73] UOP LLC, US
[85] 2019-12-19
[86] 2018-06-18 (PCT/US2018/037988)
[87] (WO2018/236704)
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[25] EN
[54] **TIME SYNCHRONIZATION IN RESOURCE CONSTRAINED NETWORKS**
[54] **SYNCHRONISATION TEMPORELLE DANS DES RESEAUX A RESSOURCES LIMITEES**
[72] KHALED, YACINE, US
[72] JAMIL, IMAD, US
[72] MONIER, FABRICE, US
[73] ITRON GLOBAL SARL, US
[85] 2019-12-24
[86] 2018-06-19 (PCT/US2018/038202)
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[51] **Int.Cl. F24F 11/89 (2018.01)**
[25] EN
[54] **AIR CONDITIONING SYSTEM, AND DEFROSTING CONTROL METHOD AND DEVICE THEREOF**
[54] **SYSTEME DE CLIMATISATION, ET PROCEDE DE COMMANDE DE DEGIVRAGE ET SON DISPOSITIF**
[72] MA, XIHUA, CN
[72] XU, YONGFENG, CN
[72] XIONG, MEIBING, CN
[72] REN, LINXING, CN
[73] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2020-01-08
[86] 2017-11-02 (PCT/CN2017/109129)
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[25] EN
[54] **IDENTIFYING PREVIOUSLY STREAMED PORTIONS OF A MEDIA TITLE TO AVOID REPETITIVE PLAYBACK**
[54] **IDENTIFICATION DE PARTIES PRECEDEMMENT DIFFUSEES EN CONTINU D'UN TITRE MULTIMEDIA POUR EVITER UNE LECTURE REPETITIVE**
[72] KANSARA, APURVAKUMAR DILIPKUMAR, US
[73] NETFLIX, INC., US
[85] 2020-01-13
[86] 2018-07-10 (PCT/US2018/041494)
[87] (WO2019/018164)
[30] US (15/654,657) 2017-07-19

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[25] EN
[54] **REACTOR PACKING WITH PREFERENTIAL FLOW CATALYST**
[54] **GARNITURE DE REACTEUR AVEC CATALYSEUR D'ECOULEMENT PREFERENTIEL**
[72] NICHOLSON, KELLY, US
[72] RAYBOLD, TROY M., US
[72] JIN, BO, US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-01-20
[86] 2018-07-24 (PCT/US2018/043362)
[87] (WO2019/023157)
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[51] **Int.Cl. H04W 74/00 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD AND COMMUNICATIONS DEVICE**
[54] **METHODE ET DISPOSITIF DE COMMUNICATION**
[72] LIU, JIANQIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-01-22
[86] 2018-08-10 (PCT/CN2018/099889)
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[25] EN
[54] **STIMULATOR SYSTEMS AND METHODS FOR SELECTIVELY RECRUITING FASCICLES IN HYPOGLOSSAL NERVE TRUNK**
[54] **SYSTEMES ET PROCEDES DE STIMULATION POUR RECRUTER SELECTIVEMENT DES FASCICULES DANS UN TRONC NERVEUX HYPOGLOSSE**
[72] NG, BOON KHAI, US
[72] CALDERON, JOSEPH L., US
[73] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2020-02-04
[86] 2018-08-30 (PCT/US2018/048978)
[87] (WO2019/046658)
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[25] EN
[54] **ASSESSING THE BENEFITS OF AUTOMATIC GRINDING CONTROL USING PST TECHNOLOGY FOR TRUE ON-LINE PARTICLE SIZE MEASUREMENT**
[54] **EVALUATION DES AVANTAGES D'UNE COMMANDE DE MEULAGE AUTOMATIQUE A L'AIDE D'UNE TECHNOLOGIE PST PERMETTANT DE REALISER UNE MESURE DE TAILLE DE PARTICULE REELLE EN LIGNE**
[72] MARON, ROBERT J., US
[72] O'KEEFE, CHRISTIAN V., US
[72] SEPULVEDA, JAIME, CL
[73] CIDRA CORPORATE SERVICES LLC, US
[85] 2020-02-05
[86] 2018-08-07 (PCT/US2018/045623)
[87] (WO2019/032593)
[30] US (62/542,021) 2017-08-07
[30] US (62/562,638) 2017-09-25
[30] US (62/617,714) 2018-01-16

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[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR WAKEUP SIGNAL DESIGN AND RESOURCE ALLOCATION**
[54] **TECHNIQUES ET APPAREILS DE CONCEPTION D'UN SIGNAL DE REVEIL ET D'ATTRIBUTION DE RESSOURCES**
[72] LIU, LE, US
[72] RICO ALVARINO, ALBERTO, US
[72] ANG, PETER PUI LOK, US
[72] DHANDA, MUNGAL SINGH, US
[73] QUALCOMM INCORPORATED, US
[85] 2020-02-10
[86] 2018-09-11 (PCT/US2018/050478)
[87] (WO2019/055417)
[30] US (62/673,718) 2018-05-18
[30] US (16/127,027) 2018-09-10
[30] US (62/559,331) 2017-09-15

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMMUNICATING TIME AND FREQUENCY TRACKING SIGNALS USING CONFIGURATIONS FOR ONE PORT CSI-RSS**
[54] **SYSTEME ET PROCEDE DE COMMUNICATION DE SIGNAUX DE SUIVI DE TEMPS ET DE FREQUENCE A L'AIDE DE CONFIGURATIONS DE CSI-RS A UN PORT**
[72] CHENG, QIAN, US
[72] XIAO, WEIMIN, US
[72] LIU, JIALING, US
[72] NARASIMHA, MURALI, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-02-11
[86] 2018-08-13 (PCT/CN2018/100170)
[87] (WO2019/029743)
[30] US (62/544,372) 2017-08-11
[30] US (16/101,278) 2018-08-10

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[13] C
[51] **Int.Cl. H04L 12/46 (2006.01)**
[25] EN
[54] **INTERCONNECTED REGION CONTROLLER, INTERCONNECTED REGION CONTROL METHOD, AND COMPUTER STORAGE MEDIUM**
[54] **CONTROLEUR DE REGIONS INTERCONNECTEES, PROCEDE DE COMMANDE DE REGIONS INTERCONNECTEES, ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] ZU, LIJUN, CN
[72] YUAN, HANG, CN
[72] ZHOU, YONGKAI, CN
[72] HE, SHUO, CN
[72] WEI, ZHIJUN, CN
[73] CHINA UNIONPAY CO., LTD., CN
[85] 2020-02-11
[86] 2018-08-27 (PCT/CN2018/102534)
[87] (WO2019/047740)
[30] CN (201710794656.9) 2017-09-06

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[51] **Int.Cl. H04W 12/06 (2021.01) H04W 76/15 (2018.01)**
[25] EN
[54] **MOBILE NUMBER VERIFICATION FOR MOBILE NETWORK-BASED AUTHENTICATION**
[54] **VERIFICATION DE NUMERO DE MOBILE POUR AUTHENTIFICATION BASEE SUR UN RESEAU MOBILE**
[72] MANEPALLI, HARISH, US
[72] BAKSHI, CHIRAG, US
[73] ZUMIGO, INC., US
[85] 2020-02-14
[86] 2018-08-13 (PCT/US2018/046568)
[87] (WO2019/036390)
[30] US (62/545,299) 2017-08-14

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[51] **Int.Cl. A61F 9/02 (2006.01) G02C 9/00 (2006.01)**
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[54] **SPORTS GOGGLE**
[54] **LUNETTES DE SPORT**
[72] TOBIA, MICHAEL STEPHEN, US
[73] MARCHON EYEWEAR, INC., US
[86] (3073389)
[87] (3073389)
[22] 2012-06-22
[62] 2,842,739
[30] US (61/501,154) 2011-06-24
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[51] **Int.Cl. G06F 9/448 (2018.01) G06F 9/455 (2018.01)**
[25] EN
[54] **SCALABLE TECHNIQUES FOR EXECUTING CUSTOM ALGORITHMS ON MEDIA ITEMS**
[54] **TECHNIQUES EVOLUTIVES POUR EXECUTER DES ALGORITHMES PERSONNALISES SUR DES ELEMENTS MULTIMEDIAS**
[72] SAN MIGUEL, FRANCISCO J., US
[72] MAREDDY, NAVEEN, US
[72] WONG, RICK, US
[73] NETFLIX, INC., US
[85] 2020-02-19
[86] 2018-08-31 (PCT/US2018/049220)
[87] (WO2019/046793)
[30] US (62/553,024) 2017-08-31
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[51] **Int.Cl. B60T 17/00 (2006.01) B60T 5/00 (2006.01)**
[25] EN
[54] **HEAT-DISSIPATING CAR CALIPER COVER**
[54] **COUVERCLE D'ETRIER DE FREIN DE VOITURE A DISSIPATION THERMIQUE**
[72] ZHANG, JIANPING, CN
[73] ZHANG, JIANPING, CN
[85] 2020-02-28
[86] 2019-09-10 (PCT/CN2019/105076)
[87] (WO2021/035801)
[30] CN (201910786535.9) 2019-08-23

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[13] C
[51] **Int.Cl. H02J 11/00 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD FOR SUPPLYING WIND ENERGY PLANT COMPONENTS WITH ENERGY AND ENERGY SUPPLY DEVICE AND WIND ENERGY PLANT USING THE SAME**
[54] **PROCEDE POUR ALIMENTER EN ENERGIE DES COMPOSANTS D'EOLIENNE, DISPOSITIF D'ALIMENTATION EN ENERGIE ET EOLIENNE COMPRENANT CE DISPOSITIF**
[72] BUSKER, KAI, DE
[72] HELLER, STEFAN, DE
[72] GERTJEGERDES, STEFAN, DE
[72] MACKENSEN, INGO, DE
[72] WILHELM, JURI, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2020-03-02
[86] 2018-10-01 (PCT/EP2018/076556)
[87] (WO2019/063835)
[30] DE (10 2017 122 695.8) 2017-09-29

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[25] EN
[54] **ELECTRIC TOOTHBRUSH WITH FLUID STREAMING CAPABILITY**
[54] **BROSSE A DENTS ELECTRIQUE A CAPACITE DE DIFFUSION DE FLUIDE**
[72] WAGNER, ROBERT D., US
[73] WATER PIK, INC., US
[85] 2020-03-04
[86] 2018-09-13 (PCT/US2018/050937)
[87] (WO2019/055694)
[30] US (62/558,123) 2017-09-13
[30] US (62/558,141) 2017-09-13

[11] **3,075,492**
[13] C
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR TIME DIVISION MULTIPLEXING FOR DUAL-RAT COMMUNICATION**
[54] **TECHNIQUES ET APPAREILS POUR MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS POUR COMMUNICATION A DOUBLE RAT**
[72] LEE, HEECHOON, US
[72] GAAL, PETER, US
[72] CHEN, WANSHI, US
[73] QUALCOMM INCORPORATED, US
[85] 2020-03-10
[86] 2018-10-10 (PCT/US2018/055194)
[87] (WO2019/075047)
[30] US (62/571,176) 2017-10-11
[30] US (16/155,583) 2018-10-09

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[51] **Int.Cl. A61C 19/05 (2006.01)**
[25] EN
[54] **DEVICE FOR ANALYZING OCCLUSION PRESSURE, PROGRAM FOR ANALYZING OCCLUSION PRESSURE, AND METHOD FOR ANALYZING OCCLUSION PRESSURE**
[54] **DISPOSITIF D'ANALYSE DE LA PRESSION OCCLUSALE, PROGRAMME D'ANALYSE DE LA PRESSION OCCLUSALE, ET PROCEDE D'ANALYSE DE LA PRESSION OCCLUSALE**
[72] NOGUCHI, YUKIE, JP
[73] GC CORPORATION, JP
[85] 2020-03-12
[86] 2018-05-17 (PCT/JP2018/019163)
[87] (WO2019/053949)
[30] JP (2017-176662) 2017-09-14

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[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/62 (2006.01)**
[25] EN
[54] **USING GASES AND HYDROCARBON RECOVERY FLUIDS CONTAINING NANOPARTICLES TO ENHANCE HYDROCARBON RECOVERY**
[54] **UTILISATION DE GAZ ET DE LIQUIDES DE RECUPERATION D'HYDROCARBURES CONTENANT DES NANOPARTICULES POUR AMELIORER LA RECUPERATION D'HYDROCARBURES**
[72] WATTS, ROBIN, US
[72] WATTS, KEVIN, US
[72] SOUTHWELL, JOHN EDMOND, US
[72] HOLCOMB, DAVID, US
[72] ASLAM, NAVEED, US
[72] AHMAD, YUSRA, KHAN, US
[73] NISSAN CHEMICAL AMERICA CORPORATION, US
[73] LINDE AG, DE
[85] 2020-03-16
[86] 2018-09-25 (PCT/US2018/052736)
[87] (WO2019/067478)
[30] US (62/563,415) 2017-09-26
[30] EP (17194608.0) 2017-10-03
[30] US (62/697,321) 2018-07-12
[30] GB (1811749.9) 2018-07-18

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[51] **Int.Cl. H01F 27/02 (2006.01) H01F 27/06 (2006.01) H02B 1/48 (2006.01) H05K 7/14 (2006.01)**
[25] EN
[54] **POLYMERIC TANK FOR HOUSING POWER COMPONENTS**
[54] **RESERVOIR POLYMERE DESTINE A CONTENIR DES COMPOSANTS DE PUISSANCE**
[72] QUINTERO ROZO, WILLIAM, CO
[72] CARVAJAL CERINZA, SAMUEL, CO
[72] VELEZ RODRIGUEZ, JOHN JAIME, CO
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-03-17
[86] 2017-09-20 (PCT/US2017/052410)
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[51] **Int.Cl. F04B 49/06 (2006.01) E21B 43/12 (2006.01) F04B 15/02 (2006.01) F04B 23/04 (2006.01) F04B 49/22 (2006.01)**
[25] EN
[54] **SAFETY PRESSURE LIMITING SYSTEM AND METHOD FOR POSITIVE DISPLACEMENT PUMPS WITH OPTIONAL AUTOMATIC RESTART**
[54] **SYSTEME ET PROCEDE DE LIMITATION DE PRESSION DE SECURITE POUR POMPES VOLUMETRIQUES A REDEMARRAGE AUTOMATIQUE FACULTATIF**
[72] SURJAATMADJA, JIM BASUKI, US
[72] STEPHENSON, STANLEY V., US
[72] HUNTER, TIM H., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. B01L 3/00 (2006.01) G01N 35/00 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **SAMPLE VESSEL CAPPING APPLICATOR OR APPLICATOR SYSTEM**
[54] **APPLICATEUR OU SYSTEME APPLICATEUR DE CAPSULAGE DE RECIPIENT A ECHANTILLON**
[72] BRAUN, DAMIEN, AU
[72] HARVEY, FRANCIS, AU
[72] MUIR-MCCAREY, DAVID, AU
[72] KNIGHT, THOMAS, AU
[72] FISHER, ROBERT, AU
[72] SHERRY, SANDY, AU
[72] YAO, ZISUI, AU
[72] NOVY, RAINER, AU
[72] GRANT, MATTHEW, AU
[72] DALMAN, PETER, AU
[73] AIM LAB AUTOMATION TECHNOLOGIES PTY LTD, AU
[85] 2020-03-24
[86] 2018-08-29 (PCT/AU2018/050928)
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[30] AU (2017903895) 2017-09-26
[30] US (62/577,921) 2017-10-27

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[54] **MEMORY CIRCUIT WITH ANALOG BYPASS PORTION**
[54] **CIRCUIT DE MEMOIRE AVEC PARTIE DE DERIVATION D'ECRITURE**
[72] HORNER, JEREMY WILLIAM, US
[72] HERR, QUENTIN P., US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[25] FR
[54] **AIRCRAFT WHEEL BRAKE SYSTEM, CONFIGURABLE ACCORDING TO A NORMAL MODE OR AN RTO MODE**
[54] **SYSTEME DE FREINAGE D'UNE ROUE D'AERONEF, CONFIGURABLE SELON UN MODE NORMAL OU SELON UN MODE RTO**
[72] RICHARD, NATHANAEL, FR
[72] PRESLE, ROMAIN, FR
[73] SAFRAN LANDING SYSTEMS, FR
[86] (3077543)
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[54] **DETERMINING POSITION AND ORIENTATION FROM A HELMHOLTZ DEVICE**
[54] **DETERMINATION DE POSITION ET D`ORIENTATION A PARTIR D`UN DISPOSITIF HELMHOLTZ**
[72] SCHNEIDER, MARK ROBERT, US
[73] ASCENSION TECHNOLOGY CORPORATION, US
[86] (3078012)
[87] (3078012)
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[54] **MEDICAL FLUID INJECTOR INCLUDING BOLUS COUNTER**
[54] **INJECTEUR DE FLUIDE MEDICAL COMPRENANT UN COMPTEUR DE BOLUS**
[72] LEE, WOO SUK, KR
[73] LEE, WOO SUK, KR
[85] 2020-04-09
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[54] **ACTIVE BACKDRIVING FOR A ROBOTIC ARM**
[54] **DEVIRAGE ACTIF POUR BRAS ROBOTIQUE**
[72] ZHOU, RENBIN, US
[72] NIA KOSARI, SINA, US
[72] MOSES, DENNIS, US
[73] VERB SURGICAL INC., US
[85] 2020-04-16
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[25] EN
[54] **ULTRA-LONG THERMALLY INSULATED PIPELINE AND FORMING METHOD THEREOF**
[54] **CONDUITE ISOLEE THERMIQUEMENT ULTRALONGUE ET SON PROCEDE DE FORMATION**
[72] DUAN, JIANLIANG, CN
[72] DONG, JIAN, CN
[72] ZHANG, SHUJUN, CN
[72] LIN, YUEQING, CN
[72] SHANGGUAN, FENGSHOU, CN
[72] LIU, XIANG, CN
[73] SHINDA (TANGSHAN) CREATIVE OIL & GAS EQUIPMENT CO. LTD., CN
[86] (3080568)
[87] (3080568)
[22] 2020-05-05
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[25] EN
[54] **SLIDE OPERATOR ASSEMBLIES AND COMPONENTS FOR FENESTRATION UNITS**
[54] **ENSEMBLE ET COMPOSANTES D`ACTIONNEUR COULISSANT POUR MODULES DE FENETRAGE**
[72] BERNHAGEN, TODD A., US
[72] HANSEN, TED L., US
[72] SCHROEDER, PAUL D., US
[73] PELLA CORPORATION, US
[86] (3081316)
[87] (3081316)
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[25] EN
[54] **OPTIMIZING ELECTROMAGNETIC TELEMETRY TRANSMISSIONS**
[54] **OPTIMISATION DE TRANSMISSIONS TELEMETRIQUES ELECTROMAGNETIQUES**
[72] LIU, JILI, CA
[72] XU, MINGDONG, CA
[72] LOGAN, AARON W., CA
[72] SWITZER, DAVID A., CA
[72] VARGA, MONICA E., CA
[72] KAZEMI MIRAKI, MOJTABA, CA
[73] EVOLUTION ENGINEERING INC., CA
[86] (3081505)
[87] (3081505)
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[25] EN
[54] **MULTI-SECTION HEADER WITH FLEXIBLE CROP CUTTING KNIFE**
[54] **ORGANE DE COUPE A SECTIONS MULTIPLES AVEC LAME DE COUPE DE RECOLTE SOUPLE**
[72] SHEARER, BRUCE R., CA
[73] MACDON INDUSTRIES LTD., CA
[86] (3081598)
[87] (3081598)
[22] 2017-11-20
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[51] **Int.Cl. A01D 34/416 (2006.01)**
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[54] **TRIMMER HEAD**
[54] **TETE DE TONDEUSE**
[72] BRINGHURST, CORY, US
[72] KUCERA, JEFFREY, US
[73] MTD PRODUCTS INC, US
[85] 2020-05-01
[86] 2018-10-31 (PCT/US2018/058314)
[87] (WO2019/089666)
[30] US (62/581,312) 2017-11-03
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[51] **Int.Cl. B23K 11/24 (2006.01) B23K 11/11 (2006.01)**
[25] EN
[54] **RESISTANCE WELDER CONTROLLER**
[54] **DISPOSITIF DE COMMANDE D'UNE SOUDEUSE PAR RESISTANCE**
[72] OMORI, NOBURO, JP
[72] FUKUZAWA, TAKESHI, JP
[72] FUKUTA, YASUHIKO, JP
[73] DENGENSHA TOA CO., LTD., JP
[85] 2020-05-22
[86] 2019-08-08 (PCT/JP2019/031520)
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[54] **TENSIONER**
[54] **TENDEUR**
[72] SINGH, SUKHDEEP, CA
[72] KIM, SANGKYU, CA
[72] KOPPESER, MICHAEL, CA
[73] GATES CORPORATION, US
[85] 2020-06-02
[86] 2018-12-07 (PCT/US2018/064463)
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[51] **Int.Cl. G02B 27/01 (2006.01) F21V 8/00 (2006.01)**
[25] EN
[54] **MULTIBEAM ELEMENT-BASED HEAD-UP DISPLAY, SYSTEM, AND METHOD**
[54] **AFFICHAGE TETE HAUTE BASE SUR DES ELEMENTS A FAISCEAUX MULTIPLES, SYSTEME ET PROCEDE**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
[85] 2020-06-02
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[25] EN
[54] **CAST IRON INOCULANT AND METHOD FOR PRODUCTION OF CAST IRON INOCULANT**
[54] **INOCULANT DE FONTE ET PROCEDE DE PRODUCTION D'INOCULANT DE FONTE**
[72] KNUSTAD, ODDVAR, NO
[73] ELKEM ASA, NO
[85] 2020-06-03
[86] 2018-12-21 (PCT/NO2018/050328)
[87] (WO2019/132672)
[30] NO (20172065) 2017-12-29

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[25] EN
[54] **SYSTEMS AND METHODS FOR A FLIPOUT PHONE HOLDER AND STAND**
[54] **SYSTEMES ET PROCEDES POUR UN SUPPORT ET SOCLE POUR TELEPHONE DE TYPE FLIPOUT**
[72] LIANG, ROBIN, CN
[73] NITE IZE, INC., US
[85] 2020-06-05
[86] 2018-12-06 (PCT/US2018/064309)
[87] (WO2019/113355)
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[25] EN
[54] **SHOCK AND AGITATOR TOOL**
[54] **OUTIL A IMPACT ET AGITATEUR**
[72] RUSSELL, JAYSON, CA
[72] COMEAU, LAURIER E., CA
[73] ARRIVAL OIL TOOLS, INC., CA
[86] (3085074)
[87] (3085074)
[22] 2020-06-30
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[13] C
[51] **Int.Cl. F24F 1/029 (2019.01) F24F 13/22 (2006.01) F25B 47/00 (2006.01)**
[25] EN
[54] **WATER RECEIVING TRAY AND CHASSIS ASSEMBLY FOR WINDOW AIR CONDITIONER, AND WINDOW AIR CONDITIONER**
[54] **ENSEMBLE PLATEAU RECEPTEUR D'EAU ET CHASSIS POUR CONDITIONNEUR D'AIR TYPE FENETRE, ET CONDITIONNEUR D'AIR TYPE FENETRE**
[72] YU, HUI, CN
[72] XING, ZHIGANG, CN
[72] ZHANG, KANGWEN, CN
[72] ZHAO, ALI, CN
[72] LIU, YU, CN
[72] SHEN, WENJUN, CN
[72] TANG, YUHANG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[25] EN
[54] **SCALE COLLECTION DEVICE FOR DOWNFLOW REACTORS**
[54] **DISPOSITIF DE COLLECTE DE TARTRE POUR REACTEURS A COURANT DESCENDANT**
[72] XU, ZHANPING, US
[72] CHEN, PENGFEI, US
[73] UOP LLC, US
[85] 2020-06-09
[86] 2018-12-20 (PCT/US2018/066678)
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[25] EN
[54] **SEPARATOR AND METHOD OF OPERATING A SEPARATOR**
[54] **SEPARATEUR ET PROCEDE DE FONCTIONNEMENT D'UN SEPARATEUR**
[72] GUSTAVSSON, DANIEL, SE
[73] HUSQVARNA AB, SE
[85] 2020-06-17
[86] 2018-09-05 (PCT/SE2018/050888)
[87] (WO2019/050456)
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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 6/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMAGE LOCALIZATION OF EFFECTERS DURING A MEDICAL PROCEDURE**
[54] **SYSTEME ET PROCEDE DE LOCALISATION D'IMAGES D'EFFECTEURS PENDANT UN ACTE MEDICAL**
[72] ISAACS, ROBERT E., US
[72] JOHNSTON, SAMUEL MORRIS, US
[72] SKWERER, DAVID ALEXANDER, US
[73] TRACKX TECHNOLOGY, LLC, US
[86] (3086505)
[87] (3086505)
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[30] US (62/336,999) 2016-05-16
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[54] **HANDLE ASSEMBLY AND STAPLER INCLUDING THE SAME**
[54] **ENSEMBLE POIGNEE ET AGRAFEUSE COMPRENANT CE DERNIER**
[72] CHEN, ZHI, CN
[72] GUO, YI, CN
[72] LIN, JIANG, CN
[72] XU, XIAOWEI, CN
[73] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
[85] 2020-06-23
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[25] EN
[54] **PURIFICATION OF BIOMASS-BASED LIPID MATERIAL**
[54] **PURIFICATION D'UNE MATIERE LIPIDIQUE A BASE DE BIOMASSE**
[72] PASANEN, JUKKA-PEKKA, FI
[72] HALTTUNEN, JARMO, FI
[72] MALM, ANNIKA, FI
[72] SIPPOLA, VAINO, FI
[73] NESTE OYJ, FI
[85] 2020-06-23
[86] 2018-12-28 (PCT/FI2018/050984)
[87] (WO2019/129933)
[30] FI (20176184) 2017-12-29

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[54] **LIPID-BASED OPHTHALMIC EMULSION**
[54] **EMULSION OPHTALMIQUE A BASE DE LIPIDES**
[72] KETELSON, HOWARD ALLEN, US
[72] DAVIS, JAMES W., US
[72] RANGARAJAN, REKHA, US
[73] ALCON INC., CH
[85] 2020-06-25
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[30] US (62/633,359) 2018-02-21

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[51] **Int.Cl. F24F 3/00 (2006.01) F24F 11/80 (2018.01)**
[25] EN
[54] **CONTROL SYSTEM FOR HVAC COMPRISING AN AIR-HANDLING UNIT AND A TERMINAL UNIT AND METHOD OF OPERATING SAID CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE POUR CHAUFFAGE, VENTILATION ET CLIMATISATION COMPRENANT UNE UNITE DE GESTION D'AIR ET UNE UNITE DE TERMINAL ET PROCEDE DE FONCTIONNEMENT DUDIT SYSTEME DE COMMA NDE**
[72] COOGAN, JAMES J., US
[73] SIEMENS INDUSTRY, INC., US
[85] 2020-06-26
[86] 2018-11-12 (PCT/US2018/060243)
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[51] **Int.Cl. F24F 1/031 (2019.01) F24F 1/60 (2011.01)**
[25] EN
[54] **MOUNTING BRACKET ASSEMBLY AND WINDOW AIR CONDITIONER ASSEMBLY**
[54] **ENSEMBLE DE SUPPORT DE MONTAGE ET ENSEMBLE DE CONDITIONNEUR D'AIR DE FENETRE**
[72] XING, ZHIGANG, CN
[72] LEI, ZHISHENG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[87] (WO2021/120418)
[30] CN (202020197833.2) 2020-02-21
[30] CN (202010110584.3) 2020-02-21
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[25] EN
[54] **FILM-BASED DOSAGE FORM**
[54] **FORME PHARMACEUTIQUE SUR FILM**
[72] MODI, PANKAJ, CA
[73] MODI, PANKAJ, CA
[86] (3087742)
[87] (3087742)
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[51] **Int.Cl. G01N 33/574 (2006.01)**
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[54] **USE OF BMMF1 REP PROTEIN AS BIOMARKER FOR COLORECTAL CANCER**
[54] **UTILISATION DE LA PROTEINE REP BMMF1 EN TANT QUE BIOMARQUEUR POUR LE CANCER COLORECTAL**
[72] BUND, TIMO, DE
[72] ZUR HAUSEN, HARALD, DE
[72] DE VILLIERS, ETHEL-MICHELE, DE
[72] TESSMER, CLAUDIA, DE
[72] HEIKENWALDER, MATHIAS, DE
[72] WEBER, ACHIM, CH
[72] BURK-KORNER, AMELIE, DE
[73] DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS, DE
[85] 2020-07-10
[86] 2019-01-25 (PCT/EP2019/051868)
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[25] EN
[54] **ADAPTIVE POWER MANAGEMENT RECOGNITION AND ASSIGNMENT SYSTEM**
[54] **SYSTEME ADAPTATIF DE RECONNAISSANCE ET D'ATTRIBUTION DE GESTION D'ENERGIE**
[72] FOWLER, EDWARD A., US
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
[85] 2020-07-13
[86] 2018-01-12 (PCT/US2018/013436)
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[51] **Int.Cl. C07C 319/28 (2006.01) C07C 323/58 (2006.01) C12P 13/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING NATURAL L-CYSTEINE CRYSTALS BY CONTINUOUS CHROMATOGRAPHY**
[54] **PROCEDE DE PREPARATION DE CRISTAUX DE L-CYSTEINE NATURELS PAR CHROMATOGRAPHIE CONTINUE**
[72] KIM, JUN-WOO, KR
[72] LEE, JUNG MIN, KR
[72] JO, SE-HEE, KR
[72] KIM, IL CHUL, KR
[72] LEE, IN SUNG, KR
[72] JUNG, JUN YOUNG, KR
[73] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-07-14
[86] 2019-01-30 (PCT/KR2019/001289)
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[25] EN
[54] **MODULAR BUILDING**
[54] **CONSTRUCTION MODULAIRE**
[72] UNGER, SUSAN, AU
[73] 1 SPACE PTY LTD, AU
[86] (3088885)
[87] (3088885)
[22] 2013-07-11
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[54] **DOOR WITH FINGER PINCH PREVENTION FUNCTION**
[54] **PORTE COMPORTANT UNE FONCTION POUR PREVENIR LE PINCEMENT DES DOIGTS**
[72] KIM, SEO YEON, KR
[72] KIM, HEE SUK, KR
[72] AN, GANG SUK, KR
[72] KIM, DAE IL, KR
[72] KIM, JI WON, KR
[73] WOODS AIR CO., LTD., KR
[86] (3088916)
[87] (3088916)
[22] 2020-08-04
[30] KR (10-2020-0029121) 2020-03-09

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[51] **Int.Cl. A61J 3/07 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **CAPSULE FILLING APPARATUS**
[54] **APPAREIL DE REMPLISSAGE DE CAPSULE**
[72] KIM, SEUNG KYUN, KR
[72] SUNG, YUN JIN, KR
[72] LEE, BONG-SANG, KR
[72] JEON, HONG RYEOL, KR
[73] CTC BIO, INC., KR
[85] 2020-07-28
[86] 2018-10-18 (PCT/KR2018/012364)
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[30] KR (10-2018-0013559) 2018-02-02

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[51] **Int.Cl. E21B 43/08 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **DOWNHOLE APPARATUS**
[54] **APPAREIL DE FOND DE PUITS**
[72] BRUCE, STEPHEN EDMUND, GB
[72] GRANT, DAVID, GB
[72] WALLACE, SCOTT ELLIOTT, GB
[73] HALLIBURTON MANUFACTURING AND SERVICES LIMITED, GB
[86] (3092039)
[87] (3092039)
[22] 2014-12-29
[62] 2,935,488
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[25] EN
[54] **NOVEL PROMOTER AND USE THEREOF**
[54] **NOUVEAU PROMOTEUR ET UTILISATION ASSOCIEE**
[72] BAE, JEE YEON, KR
[72] SEO, CHANG IL, KR
[72] YOO, INHWA, KR
[72] YOO, HYE RYUN, KR
[72] KIM, SO YOUNG, KR
[72] SHIN, YONG UK, KR
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[54] **PROCEDE DE FABRICATION D'AUBE**
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[72] SUZUKI, KENJI, JP
[72] SOBU, SHINTARO, JP
[72] HANADA, TADAYUKI, JP
[73] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
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[54] **SUPPORT D'INSTALLATION DE POTEAU**
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[72] GRAY, SCOTT, US
[73] MGL PARTNERS, US
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[54] **DISPOSITIF DE SECURITE POUR UN DISPOSITIF CONDUCTEUR DE GAZ**
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[72] ROBOLINI, PAOLO, IT
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[54] **BROSSE INTERDENTAIRE**
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[54] **GENERATION DE CARTES D'ETAGE POUR DES BATIMENTS AVEC ANALYSE AUTOMATISEE DE DONNEES VISUELLES DES INTERIEURS DES BATIMENTS**
[72] MOULON, PIERRE, US
[72] BOYADZHIEV, IVAYLO, US
[73] ZILLOW, INC., US
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[72] CHEUNG, CHUIWAH ALICE, US
[73] HENKEL AG & CO. KGAA, DE
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[54] **PROCEDE DE PRODUCTION DE COMBUSTIBLES A PARTIR D'HUILE DE PYROLYSE**
[72] BRODEUR-CAMPBELL, MICHAEL J., US
[72] BOWEN, TRAVIS C., US
[73] UOP LLC, US
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[54] **SYSTEME DE SCARIFICATEUR ET METHODE DE SURFACAGE OU DE REMODELAGE D'UNE SURFACE DE SOL AU MOYEN DU SYSTEME DE SCARIFICATEUR**
[72] MARTINEZ, ARIEL GERARDO, US
[73] MARTINEZ, ARIEL GERARDO, US
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[54] **METHOD FOR PRODUCING QUINACRIDONE SOLID-SOLUTION PIGMENT, PIGMENT DISPERSION, AND INK-JET INK**
[54] **PROCEDE DE FABRICATION DE PIGMENT DE QUINACRIDONE EN SOLUTION SOLIDE, DISPERSION LIQUIDE DE PIGMENT, ET ENCRE POUR JET D'ENCRE**
[72] KAMATA, NAOTO, JP
[72] YOSHIKAWA, SACHIO, JP
[73] DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD., JP
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[54] **COMMANDE DE BATTERIES POUR AUTOBUS ELECTRIQUE**
[72] OWEN, ROBERT BRYDON THOMAS, CA
[72] NAYLOR, DAVID GLEN, CA
[73] NEW FLYER INDUSTRIES CANADA ULC, CA
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[54] **ENSEMBLE PILOTE DE BIOPSIE COMPRENANT UN CIRCUIT DE COMMANDE DESTINE A MAINTENIR UNE ALIMENTATION PAR BATTERIE**
[72] VIDEBAEK, KARSTEN, DK
[72] REUBER, CLAUS, DK
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[54] **TRANSPOSITION AMELIOREE D'HARMONIQUE FONDEE SUR UN BLOC DE SOUS-BANDE**
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[73] DOLBY INTERNATIONAL AB, NL
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[54] **SYSTEM AND METHOD FOR EVALUATING THE PERFORMANCE OF A USER IN CAPTURING AN IMAGE OF AN ANATOMICAL REGION**
[54] **SYSTEME ET METHODE POUR EVALUER LE RENDEMENT D'UN UTILISATEUR DANS LA CAPTURE D'UNE IMAGE D'UNE REGION ANATOMIQUE**
[72] DESMET, LAURENT, CA
[72] PERRON, YANNICK, CA
[73] CAE HEALTHCARE CANADA INC., CA
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[54] **CADRE DE RAQUETTE ET RAQUETTE CONNEXE**
[72] HU, JINXUE, CN
[73] NINGHAI XINGDA LEISURE PRODUCTS CO., LTD., CN
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[54] **DEVICE FOR DRIVING AT LEAST ONE MOVER OVER A DRIVE AREA**
[54] **DISPOSITIF POUR ENTRAINER AU MOINS UN ELEMENT DE DEPLACEMENT SUR UNE SURFACE D'ENTRAINEMENT**
[72] LUTHE, THOMAS, DE
[72] WEBER, TOBIAS, DE
[72] NEUMANN, KLAUS, DE
[72] WEDDEMANN, ALEXANDER, DE
[72] PENNEKAMP, HUBERTUS, DE
[72] WIEDNER, EVA, DE
[73] BECKHOFF AUTOMATION GMBH, DE
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[54] **PERMANENT MAGNET DIRECT-DRIVE SLURRY PUMP BASED ON GAS FILM DRAG REDUCTION**
[54] **POMPE A BOUE A ENTRAINEMENT DIRECT UTILISANT UN AIMANT PERMANENT AXEE SUR LA TRAINEE PAR COUSSIN GAZEUX**
[72] XIE, FANGWEI, CN
[72] FANG, SHUPENG, CN
[72] TIAN, ZUZHI, CN
[72] SHEN, GANG, CN
[72] ZHU, ZHENCAI, CN
[72] ZHANG, HAIFANG, CN
[72] LI, HONGLEI, CN
[72] XU, CHUNJIE, CN
[72] ZHOU, WANCAI, CN
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[73] SHANDONG ZHANGQIU BLOWER CO., LTD., CN
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[54] **INORGANIC FIBER-FORMED ARTICLE, MAT FOR EXHAUST GAS CLEANING APPARATUS, AND EXHAUST GAS CLEANING APPARATUS**
[54] **CORPS FORME DE FIBRES INORGANIQUES, TAPIS POUR DISPOSITIF D'EPURATION DES GAZ D'ECHAPPEMENT ET DISPOSITIF D'EPURATION DES GAZ D'ECHAPPEMENT**
[72] KIMURA, YUSUKE, JP
[72] MORITA, HIROKAZU, JP
[72] KAWAHARA, KAZUNORI, JP
[72] YOMOGIDA, MASANOBU, JP
[72] TSUTSUI, HIROMITSU, JP
[73] MAFTEC CO., LTD., JP
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[54] **TETE DE BATON DE GOLF ET RACCORD DE BATON**
[72] PALLOTTA, ROBERT DAVID, CA
[72] LIMOGES, DAVID LIONEL, CA
[72] PLAGGENBORG, DANIEL, CA
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[54] **METHOD AND APPARATUS FOR COMMUNICATIONS WITHIN A TOROIDAL OPTICAL SLIP RING**
[54] **METHODE ET APPAREIL DE COMMUNICATION DANS UNE BAGUE GLISSANTE OPTIQUE TOROIDALE**
[72] LOUGHEED, JAMES, CA
[73] GENERAL DYNAMICS MISSION SYSTEMS - CANADA, CA
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[54] **DEVICE, SYSTEM AND METHOD FOR INTEROPERABILITY BETWEEN DIGITAL EVIDENCE MANAGEMENT SYSTEMS**
[54] **DISPOSITIF, SYSTEME ET PROCEDE D'INTEROPERABILITE ENTRE DES SYSTEMES DE GESTION DE PREUVES NUMERIQUES**
[72] MILLER, TRENT J., US
[72] BESTOR, DANIEL R., US
[72] PROCTOR, LEE M., US
[73] MOTOROLA SOLUTIONS, INC., US
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[54] **NON-SLIP OUTSOLE FOR WINTER SHOES**
[54] **SEMELLE D'USURE ANTIDERAPANTE POUR CHAUSSURES D'HIVER**
[72] KNAPP, ALAIN, CA
[73] 9271 8956 QUEBEC INC- LES AGENCES ALAIN KNAPP, CA
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[54] **LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE**
[72] SONNEMAN, ROBERT A., US
[72] GARNETT, CHRISTIAN N., US
[73] CONTEMPORARY VISIONS, LLC, US
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[54] **BALL TRACKING APPARATUS AND BALL TRACKING METHOD**
[54] **APPAREIL DE SUIVI DE BALLE ET PROCEDE DE SUIVI DE BALLE**
[72] NAGAI, KYOICHI, JP
[73] GPRO CO., LTD., JP
[85] 2021-11-04
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[54] **APPARATUS AND METHOD FOR CREATING METAL MATRIX COMPOSITE THREE-DIMENSIONAL OBJECTS**
[54] **APPAREIL ET PROCEDE DE CREATION D'OBJETS TRIDIMENSIONNELS COMPOSITES A MATRICE METALLIQUE**
[72] CARRIER, PHILIPPE, CA
[72] GELINAS-GUY, MAXENCE, CA
[73] DYZE DESIGN INC., CA
[86] (3148091)
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[73] SHOBAYASHI, YASUHIRO, JP
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[54] **COLD WEATHER SURVIVAL SUIT**
[54] **COMBINAISON DE SURVIE PAR TEMPS FROID**
[72] JACOBSON, DIEGO, PK
[73] JACOBSON, DIEGO, US
[85] 2022-05-13
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[54] **AUGER CONVEYOR WITH REMOVABLE SCREEN ATTACHMENTS AND METHOD OF USING SAME**
[54] **TRANSPORTEUR A VIS COMPRENANT DES ATTACHES D'ECRANS AMOVIBLES ET METHODE D'UTILISATION**
[72] WIEBE, HERMAN, CA
[72] DRIEDGER, JACOB, CA
[71] WIEBE, HERMAN, CA
[71] DRIEDGER, JACOB, CA
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[25] EN
[54] **CHEMICAL FOR THE TREATMENT, PREVENTION AND CONTROL OF VIRUS'S DISEASES, BACTERIAL DISEASES, CARDIOVASCULAR DISEASES AND LIPIDS**
[54] **PRODUIT CHIMIQUE POUR LE TRAITEMENT, LA PREVENTION ET LE CONTROLE DES MALADIES VIRALES, DES MALADIES BACTERIENNES, DES MALADIES CARDIOVASCULAIRES ET DES LIPIDES**
[72] AL SARI, KARAM, AE
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[54] **TISSU DE TAMISAGE CARREAUTE**
[72] OBAIA, KHALED, CA
[71] SYNCRUDE CANADA LTD. IN TRUST FOR THE OWNERS OF THE SYNCRUDE PROJECT AS SUCH OWNERS EXIST NOW AND IN THE FUTURE, CA
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[54] **PROCEDE POUR INCRUSTER UNE SURFACE DE DIAMANTS ET DE PIERRES PRECIEUSES**
[72] VAIDYA, VIRAL HARISH, US
[71] VHV DIAMOND WORLD INC., CA
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[54] **FIXATIONS DE PLANCHE A NEIGE ULLR : FIXATIONS PRESENTANT UN MECANISME DE ROTATION ET DE VERROUILLAGE DE LA POSITION**
[72] CHU, DANIEL, CA
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[51] **Int.Cl. A63B 71/12 (2006.01) A41D 13/015 (2006.01) A41D 13/06 (2006.01)**
[25] EN
[54] **PROTECTIVE ANKLE SLEEVE**
[54] **PROTEGE-CHEVILLE**
[72] FERRIGON, DAVIN, CA
[71] FERRIGON, DAVIN, CA
[22] 2021-02-23
[41] 2022-08-23

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[21] **3,109,852**
[13] A1
[51] **Int.Cl. A23L 29/10 (2016.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A23L 2/38 (2021.01) A23L 2/52 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/10 (2017.01) A61K 47/46 (2006.01)**
[25] EN
[54] **WATER SOLUBLE FORMULATIONS, METHODS OF MAKING AND USE**
[54] **FORMULATIONS HYDROSOLUBLES, METHODES DE FABRICATION ET UTILISATION**
[72] COULTER, MATTHEW, CA
[72] JACKOWETZ, JOHN NICHOLAS, CA
[72] HAJIRAHIMKHAN, SOHEIL, CA
[72] PASQUARIELLO, BRANDON, CA
[72] GEILING, BEN, CA
[72] YOUNG, SCOTT, CA
[71] CANOPY GROWTH CORPORATION, CA
[22] 2021-02-23
[41] 2022-08-23

[21] **3,109,858**
[13] A1
[51] **Int.Cl. B66D 1/54 (2006.01) B66C 15/00 (2006.01)**
[25] EN
[54] **CABLE SAFETY DEVICE**
[54] **DISPOSITIF DE SECURITE DE CABLE**
[72] BIGHAM, JAMES, CA
[71] BIGHAM, JAMES, CA
[22] 2021-02-23
[41] 2022-08-23

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[21] **3,109,909**
[13] A1
[51] **Int.Cl. G09B 7/00 (2006.01) G06Q 50/20 (2012.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHOD OF AUTOMATIC ASSESSMENT GENERATION AND GRADING FOR FULL-SOLUTION AND MULTIPLE-CHOICE ASSESSMENTS FOR ONLINE AND IN-PERSON SESSIONS**
[54] **DISPOSITIF, SYSTEME ET METHODE DE GENERATION AUTOMATIQUE D'EVALUATION ET DE NOTATION POUR DES EVALUATIONS A SOLUTION COMPLETE OU A CHOIX MULTIPLES POUR DES SEANCES EN LIGNE ET EN PERSONNE**
[72] RAHIMI, AFSHIN, CA
[71] RAHIMI, AFSHIN, CA
[22] 2021-02-24
[41] 2022-08-24

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[21] **3,109,921**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **PERSONALIZED VEHICLE RECOMMENDER SYSTEM**
[54] **SYSTEME DE RECOMMANDATION DE VEHICULE PERSONNALISE**
[72] JACKSON, DAN, US
[72] BAYS, ANDREW, US
[72] PARZIALE, ERIC, US
[71] DRIVERBASE INC., US
[22] 2021-02-24
[41] 2022-08-24

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[21] **3,109,929**
[13] A1
[51] **Int.Cl. B43L 9/00 (2006.01)**
[25] EN
[54] **UNKNOWN**
[54] **INCONNU**
[71] BOISSONNEAULT, CAMILLE, CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,109,944**
[13] A1
[51] **Int.Cl. B63B 29/04 (2006.01)**
[25] EN
[54] **AX7+ TRANSFORMATION MODULES**
[54] **MODULES DE TRANSFORMATION AX7+**
[72] BARBOUR, RONALD GREGORY, CA
[71] BARBOUR, RONALD GREGORY, CA
[22] 2021-02-23
[41] 2022-08-23

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[21] **3,109,974**
[13] A1
[51] **Int.Cl. B64D 27/02 (2006.01) B64D 35/00 (2006.01) F03G 7/10 (2006.01)**
[25] FR
[54] **PERPETUAL FREE-AIR AIRCRAFT ENGINE WITHOUT THERMAL FUEL**
[54] **AEROMOTEUR PERPETUEL A AIR-LIBRE SANS CARBURANT THERMIQUE**
[72] LESSOUED, MOHAMED BACHIR, FR
[71] LESSOUED, MOHAMED BACHIR, FR
[22] 2021-02-23
[41] 2022-08-23

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[21] **3,110,050**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01B 69/00 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ARTICULATING AIR SEEDER CART WITH SKEW CORRECTION**
[54] **CHARIOT DE SEMOIR PNEUMATIQUE ARTICULE COMPRENANT LA CORRECTION D'OBLIQUITE**
[72] BEAUJOT, NORBERT, CA
[71] SEEDMASTER MANUFACTURING LTD., CA
[22] 2021-02-23
[41] 2022-08-23

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[21] **3,110,157**
[13] A1
[51] **Int.Cl. E03F 7/04 (2006.01) F16K 1/20 (2006.01) F16K 1/36 (2006.01) F16K 15/03 (2006.01)**
[25] EN
[54] **WEEPING TILE BACKWATER VALVE**
[54] **CLAPET DE NON-RETOUR POUR DRAIN AGRICOLE**
[72] ZHANG, SHIJIE, CA
[72] ZHANG, CYNTHIA, CA
[71] ZHANG, SHIJIE, CA
[71] ZHANG, CYNTHIA, CA
[22] 2021-02-24
[41] 2022-08-24

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[21] **3,110,178**
[13] A1
[51] **Int.Cl. E01C 5/02 (2006.01) B28D 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR PREPARING AND INSTALLING A NATURAL STONE SURFACE AND A TILED NATUAL STONE PAVING SYSTEM THEREFOR**
[54] **METHODES DE PREPARATION ET D'INSTALLATION D'UNE SURFACE DE PIERRE NATURELLE ET SYSTEME DE PAVE DE PIERRES NATURELLES A CARREAUX**
[72] WELSH, MICHAEL ALLAN, CA
[71] WELSH, MICHAEL ALLAN, CA
[22] 2021-02-24
[41] 2022-08-24

[21] **3,110,234**
[13] A1
[51] **Int.Cl. G08B 25/14 (2006.01) G08B 5/22 (2006.01) G08B 29/00 (2006.01)**
[25] EN
[54] **INTEGRATED FIRE AND EMERGENCY MANAGEMENT SYSTEM**
[54] **SYSTEME INTEGRE DE GESTION DES INCENDIES ET DES URGENCES**
[72] LAFRANCE, PATRICK, CA
[71] LAFRANCE, PATRICK, CA
[22] 2021-02-24
[41] 2022-08-24

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[21] **3,110,357**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C09K 3/00 (2006.01) D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,358**
[13] A1
[51] **Int.Cl. G06Q 40/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY OPTIMIZING A PORTFOLIO**
[54] **SYSTEME ET METHODE D'OPTIMISATION AUTOMATIQUE D'UN PORTEFEUILLE**
[72] KNOX, MATTHEW JAMES, CA
[72] BRJOZOVSKI, ANTON, CA
[72] YAN, BO, CA
[72] KATHROTIA, SUJAY, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,360**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C09K 3/00 (2006.01) D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,364**
[13] A1
[51] **Int.Cl. D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] WEISSENBERGER, MARKUS, CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,367**
[13] A1
[51] **Int.Cl. D21C 3/06 (2006.01) C08H 8/00 (2010.01) C08J 11/10 (2006.01) C09K 3/00 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,376**
[13] A1
[51] **Int.Cl. E02B 15/08 (2006.01) B03C 5/00 (2006.01) B63B 35/32 (2006.01)**
[25] EN
[54] **AQUATIC REMEDIATION SYSTEM**
[54] **SYSTEME D'ASSAINISSEMENT AQUATIQUE**
[72] HERRING, RODNEY, CA
[71] HERRING, RODNEY, CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,379**
[13] A1
[51] **Int.Cl. C09K 5/18 (2006.01) E21B 41/00 (2006.01) H01M 8/00 (2016.01) H02K 7/18 (2006.01)**
[25] EN
[54] **REMOTE UTILITIES SYSTEM USING HYDROGEN PEROXIDE AND METHODS**
[54] **SYSTEME DE SERVICES ELOIGNE UTILISANT LE PEROXYDE D'HYDROGENE ET METHODES**
[72] WOODLEY, RYAN, CA
[71] HYDRODINE CATALYTICS LTD., CA
[22] 2021-02-25
[41] 2022-08-25

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[21] **3,110,388**
[13] A1
[51] **Int.Cl. D21C 3/06 (2006.01)**
[25] EN
[54] **ARYLSULFONIC ACID - MODIFIED SULFURIC ACIDE AND USES THEREOF**
[54] **ACIDE ARYLSULFONIQUE, ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

[21] **3,110,389**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C01B 17/69 (2006.01) C09K 3/00 (2006.01) D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

[21] **3,110,390**
[13] A1
[51] **Int.Cl. D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-02-25
[41] 2022-08-25

[21] **3,110,391**
[13] A1
[51] **Int.Cl. C02F 1/72 (2006.01) A62D 3/30 (2007.01) C01B 17/69 (2006.01) C02F 1/58 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[71] FLUID ENERGY GROUP LTD, CA
[22] 2021-02-25
[41] 2022-08-25

[21] **3,110,543**
[13] A1
[51] **Int.Cl. F42D 3/00 (2006.01) B64C 39/02 (2006.01) B64D 1/02 (2006.01) E01F 7/04 (2006.01) F42B 30/00 (2006.01)**
[25] EN
[54] **EXPLOSIVE DELIVERY SYSTEM FOR AVALANCHE CONTROL**
[54] **SYSTEME DE LANCEMENT D'EXPLOSIF POUR LA PREVENTION DES AVALANCHES**
[72] SLY, ADAM, CA
[72] SLY, DAVID, CA
[71] 612431 B.C. LTD., CA
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,549**
[13] A1
[51] **Int.Cl. A63B 57/40 (2015.01)**
[25] EN
[54] **GOLF CUP CONSTRUCTION FOR USE WITH ARTIFICIAL TURF**
[54] **CONSTRUCTION DE COUPE DE GOLF A UTILISER AVEC DU GAZON SYNTHETIQUE**
[72] DELMAGE, BENJAMIN, CA
[71] DELMAGE, BENJAMIN, CA
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,554**
[13] A1
[51] **Int.Cl. G06Q 20/36 (2012.01) H04W 4/30 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMICALLY MANAGING A DIGITAL CARD IN AN ELECTRONIC WALLET**
[54] **SYSTEME ET METHODE POUR LA GESTION DYNAMIQUE D'UNE CARTE NUMERIQUE DANS UN PORTEFEUILLE ELECTRONIQUE**
[72] PARISEAU, SACHA-RENE, CA
[72] LO, KELVIN CHUN-YI, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,556**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **ELECTRONIC VAPORIZER WITH SEPARATED OIL**
[54] **VAPORISATEUR ELECTRONIQUE A HUILE SEPAREE**
[72] GUO, XIAOHUA, CN
[71] INNOPHASE TECH (SHENZHEN) CO., LTD, CN
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,559**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **SEALING AND AIR INTAKE ADJUSTING STRUCTURE AT AIR INLET OF ELECTRONIC VAPORIZER**
[54] **STRUCTURE D'AJUSTEMENT DE L'ETANCHEITE ET DE LA PRISE D'AIR D'UNE ENTREE D'AIR D'UN VAPORISATEUR ELECTRONIQUE**
[72] GUO, XIAOHUA, CN
[71] INNOPHASE TECH (SHENZHEN) CO., LTD, CN
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,561**
[13] A1
[51] **Int.Cl. C10G 67/04 (2006.01) C10C 3/08 (2006.01) F17D 1/16 (2006.01)**
[25] EN
[54] **BITUMEN PROCESSING VIA SOLVENT DEASPHALTING AND SLURRY-PHASE HYDROCRACKING**
[54] **TRAITEMENT DU BITUME PAR LE DESASPHALTAGE AU SOLVANT ET L'HYDROCRAQUAGE EN PHASE DE BOUE**
[72] FLEMING, MARK, CA
[72] PUGSLEY, TODD, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-02-26
[41] 2022-08-26

[21] **3,110,592**
[13] A1
[51] **Int.Cl. B08B 1/00 (2006.01) B08B 9/027 (2006.01)**
[25] EN
[54] **CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE**
[72] GUITARD, DENIS, CA
[71] GUITARD, DENIS, CA
[22] 2021-02-26
[41] 2022-08-26

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[21] **3,110,695**
[13] A1
[51] **Int.Cl. B32B 7/027 (2019.01) B32B 27/00 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **ADDITIVE FREE FABRICATION OF POLYMERIC COMPOSITES WITH DELAYED AND REDUCED DRIPPING**
[54] **FABRICATION SANS ADDITIF DE COMPOSITES POLYMERES A EGOUTTEMENT RETARDE ET REDUIT**
[72] BEHZADFAR, EHSAN, CA
[72] MACOSKO, CHRISTOPHER W., US
[72] BATES, FRANK S., US
[72] JORDAN, ALEX M., US
[72] KIM, KYUNGTAE, US
[71] BEHZADFAR, EHSAN, CA
[22] 2021-02-26
[41] 2022-08-26

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[21] **3,111,136**
[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREDICTIVE INVENTORY**
[54] **SYSTEME ET METHODE D'INVENTAIRE PREDICTIF**
[72] ESMALIFALAK, MOHAMMAD, CA
[72] IYENGAR, AKSHAY, CA
[72] NEJAD, SEYED MORTEZA MIRHOSEINI, CA
[72] EMERY, FRANCIS, CA
[72] MATHEWSON, TAYLOR, CA
[72] DOULAS, PETER, CA
[71] FIIX INC., CA
[22] 2021-02-26
[41] 2022-08-26

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[21] **3,111,541**
[13] A1
[51] **Int.Cl. F21V 15/01 (2006.01)**
[25] EN
[54] **LUMINAIRE STRUCTURE**
[54] **STRUCTURE LUMINAIRE**
[72] PORTER, THEODORE, CA
[72] MILES, ANDREW, CA
[72] YAPHE, HOWARD, CA
[71] AXIS LIGHTING INC., CA
[22] 2021-03-09
[41] 2022-08-25
[30] US (17/185,361) 2021-02-25

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[21] **3,113,170**
[13] A1
[51] **Int.Cl. H04L 67/60 (2022.01) G06Q 10/10 (2012.01) H04L 67/62 (2022.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING ACCESS TO A NODE OF A SHARED RESOURCE**
[54] **METHODE ET SYSTEME POUR FOURNIR L'ACCES A UN NOEUD D'UNE RESSOURCE PARTAGEE**
[72] NAVARRO, MIGUEL, CA
[72] SUTTER, LEVI, CA
[72] SANSOTTA, JOSEPH S., CA
[72] ABBAS, MOHAMED, CA
[72] SICILIANO, LINA NANCY, CA
[72] STANKIEWICZ, JOSEPPINA, CA
[72] HALLORAN, CATHERINE, CA
[72] SETLIGHT, ROBERT, CA
[72] MAIETTA, MATTHEW J., CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-03-24
[41] 2022-08-26
[30] US (17/186,515) 2021-02-26

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[21] **3,116,112**
[13] A1
[51] **Int.Cl. H04L 69/30 (2022.01) G06F 16/90 (2019.01)**
[25] EN
[54] **INTERFACE FOR RECEIVING AND RESPONDING TO A REQUEST TO TRANSFER**
[54] **INTERFACE POUR RECEVOIR UNE DEMANDE DE TRANSFERT ET Y REPONDRE**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR, CA
[72] LAWRENCE, CLAUDE BERNELL, JR, CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-04-26
[41] 2022-08-23
[30] US (17/182,557) 2021-02-23

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[21] **3,116,116**
[13] A1
[51] **Int.Cl. G06Q 20/14 (2012.01) G06Q 40/02 (2012.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING DATA TRANSFER USER INTERFACES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR DES INTERFACES UTILISATEUR DE TRANSFERT DE DONNEES**
[72] JONES, CHRISTOPHER MARK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-04-26
[41] 2022-08-23
[30] US (17/182,446) 2021-02-23

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[21] **3,117,278**
[13] A1
[51] **Int.Cl. G06F 16/906 (2019.01) G06Q 40/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **PERSONALIZED TRANSACTION CATEGORIZATION**
[54] **CLASSIFICATION DE TRANSACTION PERSONNALISEE**
[72] PEI, LEI, US
[72] LIU, JUAN, US
[72] SUN, YING, US
[72] HO, NHUNG, US
[71] INTUIT INC., US
[22] 2021-05-06
[41] 2022-08-26
[30] US (17/187,660) 2021-02-26

[21] **3,120,442**
[13] A1
[51] **Int.Cl. C07C 65/19 (2006.01) A61K 9/72 (2006.01) A61K 31/192 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **ATMOSPHERIC TRIPHASIC CHROMATOGRAPHY (ATC) METHOD**
[54] **METHODE DE CHROMATOGRAPHIE TRIPHASIQUE ATMOSPHERIQUE**
[72] KRAUSE, GRANT, US
[72] KRAUSE, ANDREW, US
[72] KRAUSE, GARY, US
[72] BROUGHAN, BRIAN, US
[71] KRAUSE, GRANT, US
[71] KRAUSE, ANDREW, US
[71] KRAUSE, GARY, US
[71] BROUGHAN, BRIAN, US
[22] 2021-06-01
[41] 2022-08-27
[30] US (63/154,721) 2021-02-27
[30] US (17/222,943) 2021-04-05

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[21] **3,122,933**
[13] A1
[51] **Int.Cl. A23G 3/36 (2006.01) A23G 3/34 (2006.01) A23G 3/50 (2006.01)**
[25] EN
[54] **GUMMY COMPOSITION AND METHOD FOR PRODUCING THE SAME**
[54] **COMPOSITION DE BONBON GOMMEUX ET PROCEDE DE PRODUCTION DE LADITE MICROCAPSULE**
[72] OZEKI, MAKOTO, JP
[71] TAIYO KAGAKU CO., LTD., JP
[22] 2021-06-22
[41] 2022-08-26
[30] JP (JP2021-029360) 2021-02-26

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[21] **3,128,534**
[13] A1
[51] **Int.Cl. C02F 1/72 (2006.01) A62D 3/36 (2007.01) C01B 17/69 (2006.01) C09K 3/00 (2006.01) C22B 3/04 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DAWSON, KARL W., CA
[71] FLUID ENERGY GROUP LTD, CA
[22] 2021-08-17
[41] 2022-08-25
[30] CA (3,110,391) 2021-02-25

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[21] **3,128,672**
[13] A1
[51] **Int.Cl. C13K 1/02 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C01B 15/01 (2006.01) C01B 17/69 (2006.01) C08J 11/10 (2006.01) C09K 3/00 (2006.01) D21C 3/04 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,390) 2021-02-25

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[21] **3,128,673**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C09K 3/00 (2006.01) D21C 1/00 (2006.01) D21C 3/04 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PAGELS, MARKUS, CA
[72] WEISSENBERGER, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] PURDY, CLAY, CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,389) 2021-02-25

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[21] **3,128,674**
[13] A1
[51] **Int.Cl. D21C 3/04 (2006.01) D21C 9/10 (2006.01)**
[25] EN
[54] **ARYLSULFONIC ACID - MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE ARYLSULFONIQUE, ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] WEISSENBERGER, MARKUS, CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,388) 2021-02-25

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[21] **3,128,675**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C09K 3/00 (2006.01) D21C 1/00 (2006.01) D21C 3/04 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,367) 2021-02-25

[21] **3,128,676**
[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C01B 17/69 (2006.01) C09K 3/00 (2006.01) C13K 1/02 (2006.01) D21C 3/06 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] WEISSENBERGER, MARKUS, CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,364) 2021-02-25

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[21] **3,128,677**
[13] A1
[51] **Int.Cl. D21C 3/04 (2006.01) D21C 9/10 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] WEISSENBERGER, MARKUS, CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,360) 2021-02-25

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[21] **3,128,678**
[13] A1
[51] **Int.Cl. D21C 3/04 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C01B 17/69 (2006.01) C08J 11/10 (2006.01) C09K 3/00 (2006.01)**
[25] EN
[54] **MODIFIED SULFURIC ACID AND USES THEREOF**
[54] **ACIDE SULFURIQUE MODIFIE ET UTILISATIONS CONNEXES**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[71] SIXRING INC., CA
[22] 2021-08-20
[41] 2022-08-25
[30] CA (3,110,357) 2021-02-25

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[21] **3,128,845**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] LEE, DAVID SCOTT, CA
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2021-08-25
[41] 2022-08-23
[30] US (63/152410) 2021-02-23

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[21] **3,129,753**
[13] A1
[51] **Int.Cl. A63B 59/70 (2015.01) A63B 60/54 (2015.01)**
[25] EN
[54] **SHOCK ABSORBER FOR ICE HOCKEY STICK**
[54] **AMORTISSEUR POUR BATON DE HOCKEY SUR GLACE**
[72] LI, TIANHONG, CN
[71] LI, TIANHONG, CN
[22] 2021-09-01
[41] 2022-08-26
[30] CN (202110216907.1) 2021-02-26

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[21] **3,139,013**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **METHODS AND APPARATUS TO MANAGE APPLICATION ACCESS IN NETWORKED ENVIRONMENTS**
[54] **METHODES ET APPAREIL POUR GERER L'ACCES D'APPLICATION DANS LES ENVIRONNEMENTS EN RESEAU**
[72] IP, JESSICA WAI YAN, CA
[72] HAYWOOD, SHAWN, CA
[71] SHOPIFY INC., CA
[22] 2021-11-12
[41] 2022-08-24
[30] US (17/184490) 2021-02-24
[30] EP (21192676.1) 2021-08-23

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[21] **3,140,296**
[13] A1
[51] **Int.Cl. H04L 43/08 (2022.01) H04L 41/0659 (2022.01) H04L 43/16 (2022.01) H04L 41/082 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING PERFORMANCE OF ONLINE SERVICES**
[54] **SYSTEME ET METHODE D'OPTIMISATION DU RENDEMENT DE SERVICES EN LIGNE**
[72] MCCUNN, MORGAN, CA
[72] RAHIMIKIA, ERSHAD, CA
[72] MORENO, JAVIER ARTURO, CA
[71] SHOPIFY INC., CA
[22] 2021-11-24
[41] 2022-08-26
[30] US (17/186,040) 2021-02-26
[30] EP (21192678.7) 2021-08-23

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[21] **3,140,526**
[13] A1
[51] **Int.Cl. D06M 11/80 (2006.01)**
[25] EN
[54] **HEMP INSULATION FIRE RETARDANT APPLICATOR AND METHOD**
[54] **APPLICATEUR DE PRODUIT IGNIFUGE A ISOLATION DE CHANVRE ET METHODE**
[72] ATTEBERRY, WADE, US
[71] ATTEBERRY, WADE, US
[22] 2021-11-25
[41] 2022-08-24
[30] US (17/183566) 2021-02-24

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[21] **3,140,680**
[13] A1
[51] **Int.Cl. B23D 45/16 (2006.01)**
[25] EN
[54] **FLOOR SAW WITH BLADE GUARD**
[54] **SCIE SUR PIED AVEC CARTER DE LAME**
[72] KINNISON, ANDREW, US
[72] WACKER II, CHARLES MOODY, US
[72] HART, MICHAEL R., US
[72] GILSON, ALEJANDRO, US
[72] HOPPA, STEVEN P., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2021-11-30
[41] 2022-08-24
[30] US (17/183,886) 2021-02-24

[21] **3,140,893**
[13] A1
[51] **Int.Cl. G06F 21/56 (2013.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROTECTING A CHECKOUT TRANSACTION FROM MALICIOUS CODE INJECTION**
[54] **METHODE ET SYSTEME POUR PROTEGER UNE TRANSACTION DE CAISSE CONTRE L'INJECTION DE CODE MALVEILLANT**
[72] MCCRACKEN, JACK, CA
[72] YAWAROSKI, PETER, CA
[72] DEVEAU, ZACHARY, CA
[71] SHOPIFY INC., CA
[22] 2021-12-01
[41] 2022-08-25
[30] US (17/185,029) 2021-02-25

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[21] **3,141,098**
[13] A1
[51] **Int.Cl. G01R 31/00 (2006.01)**
[25] EN
[54] **TEST METHODOLOGY TO DETERMINE POWER OUTPUT OF A THERMISTOR UNDER A DEFINED THERMAL LOAD**
[54] **METHODOLOGIE POUR DETERMINER LA PUISSANCE UTILE D'UNE THERMISTANCE SOUMISE A UNE CHARGE THERMIQUE DEFINIE**
[72] HANSON, DANIEL, US
[72] SCHWARTZ, RICHARD ALAN, US
[72] JENKINS, ALEXANDRA C., US
[72] ANDERSON, LUKE, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2021-12-06
[41] 2022-08-25
[30] US (63/153,627) 2021-02-25

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[21] **3,143,792**
[13] A1
[51] **Int.Cl. G06V 20/50 (2022.01) G06Q 50/16 (2012.01) G06V 10/10 (2022.01) G06V 20/60 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **AUTOMATED DIRECTION OF CAPTURING IN-ROOM INFORMATION FOR USE IN USABILITY ASSESSMENT OF BUILDINGS**
[54] **DIRECTION AUTOMATISEE DE L'ENREGISTREMENT DE RENSEIGNEMENTS DANS UNE PIECE AUX FINS D'EVALUATION DE L'UTILISABILITE DES BATIMENTS**
[72] WIXSON, LAMBERT E., US
[72] BUEHLER, CHRISTOPHER, US
[71] ZILLOW, INC., US
[22] 2021-12-23
[41] 2022-08-25
[30] US (17/185,816) 2021-02-25

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[21] **3,143,837**
[13] A1
[51] **Int.Cl. G06V 20/50 (2022.01) G06Q 50/16 (2012.01) G06V 10/10 (2022.01) G06V 20/60 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **AUTOMATED USABILITY ASSESSMENT OF BUILDINGS USING VISUAL DATA OF CAPTURED IN-ROOM IMAGES**
[54] **EVALUATION AUTOMATISEE DE L'UTILISABILITE DES BATIMENTS AU MOYEN DE DONNEES VISUELLES D'IMAGES DE PIECES INTERIEURES ENREGISTREES**
[72] STOEVA, VIKTORIYA, US
[72] KANG, SING BING, US
[72] KHOSRAVAN, NAJI, US
[72] WIXSON, LAMBERT E., US
[71] ZILLOW, INC., US
[22] 2021-12-23
[41] 2022-08-25
[30] US (17/185,793) 2021-02-25

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[21] **3,144,837**
[13] A1
[51] **Int.Cl. B64C 11/40 (2006.01)**
[25] EN
[54] **BLADE PITCH CONTROL**
[54] **COMMANDE DE PAS DE PALE**
[72] MARGER, THIBAUT, FR
[72] BOULOC, ROMAIN, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2022-01-05
[41] 2022-08-23
[30] EP (21315024.6) 2021-02-23

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[21] **3,144,852**
[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **AUTOMATIC GENERATION OF INTEGRATED TEST PROCEDURES USING SYSTEM TEST PROCEDURES**
[54] **GENERATION AUTOMATISEE DES PROCEDURES D'ESSAI INTEGREES AU MOYEN DE PROCEDURES D'ESSAI DE SYSTEME**
[72] VOS MAXIN, CONSTANTIJN ET AL, ES
[72] VAN BRUCHEM, BAREND-JAN, ES
[72] VAN GILS, PIETER, ES
[72] RAMIRO REBOLLO, DANIEL, ES
[72] ONUR, CAN, DE
[71] THE BOEING COMPANY, US
[22] 2022-01-05
[41] 2022-08-24
[30] EP (21382157.2) 2021-02-24

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[21] **3,145,524**
[13] A1
[51] **Int.Cl. B65D 51/24 (2006.01) B65D 41/62 (2006.01) B65D 47/00 (2006.01)**
[25] EN
[54] **REPLACEABLE CONTAINER TOPPER**
[54] **COUVERCLE DE CONTENEUR REMPLACABLE**
[72] HUANG, PO-CHUN, TW
[71] HUANG, PO-CHUN, TW
[22] 2022-01-12
[41] 2022-08-22
[30] US (17/181,224) 2021-02-22

[21] **3,146,549**
[13] A1
[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/057 (2006.01) A47J 31/10 (2006.01)**
[25] EN
[54] **REUSABLE FILTER CARTRIDGE**
[54] **CARTOUCHE DE FILTRE REUTILISABLE**
[72] DEMIGLIO, RONALD R., US
[72] KRUGER, JOHN F., US
[72] LEMMER, JENNIFER S., US
[72] SATTERLEE, RALPH W., US
[71] EKO BRANDS, LLC, US
[22] 2022-01-24
[41] 2022-08-26
[30] US (17/187,599) 2021-02-26

[21] **3,146,589**
[13] A1
[51] **Int.Cl. F24F 13/30 (2006.01) F24F 12/00 (2006.01) F28D 19/04 (2006.01) F28F 9/02 (2006.01)**
[25] EN
[54] **ENERGY RECOVERY WHEEL ARRAY**
[54] **ASSEMBLAGE DE ROUE DE RECUPERATION D'ENERGIE**
[72] CARON, CHARLES-ANTOINE, US
[71] BROAN-NUTONE LLC, US
[22] 2022-01-24
[41] 2022-08-24
[30] US (63/152,914) 2021-02-24
[30] US (17/582,215) 2022-01-24

[21] **3,146,824**
[13] A1
[51] **Int.Cl. B60W 30/095 (2012.01) B60R 21/013 (2006.01) B66F 9/06 (2006.01) F16P 1/00 (2006.01)**
[25] EN
[54] **INDUSTRIAL VEHICLE**
[54] **VEHICULE INDUSTRIEL**
[72] MASATAKA, ISHIZAKI, JP
[72] HIROYUKI, ITO, JP
[72] TAKAHITO, MIYAKE, JP
[72] KEISHI, ASHIDA, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[22] 2022-01-21
[41] 2022-08-26
[30] JP (2021-029374) 2021-02-26

[21] **3,147,028**
[13] A1
[51] **Int.Cl. A43B 5/16 (2006.01) A43B 13/14 (2006.01)**
[25] EN
[54] **INSERTABLE SKATE OUTSOLE SHIM FOR INCREASED ATTACK ANGLE**
[54] **CALE DE SEMELLE EXTERIEURE DE PATIN INSERABLE POUR UN ANGLE D'ATTAQUE ACCRU**
[72] OYEFESO, ADEDOTUN, US
[71] ENJINEERING ENTERPRISE, INC., US
[22] 2022-01-28
[41] 2022-08-22
[30] US (17181469) 2021-02-22

[21] **3,147,985**
[13] A1
[51] **Int.Cl. G01S 13/90 (2006.01)**
[25] EN
[54] **MULTIPLE RESOLUTION RADAR**
[54] **RADAR A RESOLUTIONS MULTIPLES**
[72] VOELKER, MICHAEL, DE
[72] KIM, JUNG-HYO, DE
[72] ROSTAN, FRIEDHELM, DE
[71] AIRBUS DEFENCE AND SPACE GMBH, DE
[22] 2022-02-03
[41] 2022-08-26
[30] EP (21159791.9) 2021-02-26

[21] **3,148,047**
[13] A1
[51] **Int.Cl. G01S 19/42 (2010.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GNSS AMBIGUITY RESOLUTION**
[54] **SYSTEMES ET METHODES DE RESOLUTION D'AMBIGUITE GNSS**
[72] CAO, XIAO, US
[72] SCHIPPER, BRIAN, US
[72] JAKEL, THOMAS, US
[72] MIN, YANLING, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2022-02-07
[41] 2022-08-24
[30] US (17/356,814) 2021-06-26
[30] CN (202110204660.1) 2021-02-24

[21] **3,148,270**
[13] A1
[51] **Int.Cl. F25C 1/12 (2006.01) F25B 9/00 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **ICE MAKER**
[54] **MACHINE A FAIRE DE LA GLACE**
[72] KNATT, KEVIN, US
[71] TRUE MANUFACTURING COMPANY, INC., US
[22] 2022-02-08
[41] 2022-08-23
[30] US (63/152363) 2021-02-23

[21] **3,148,327**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **GEOLOCATION COMPLIANCE FOR A MOBILE WORKFORCE**
[54] **CONFORMITE D'UN EFFECTIF MOBILE PAR GEOLOCALISATION**
[72] DEGENEFFE, MIKE, US
[72] BREWSTER, JAMES D., US
[71] SCHNEIDER ENTERPRISE RESOURCES, LLC, US
[22] 2022-02-07
[41] 2022-08-26
[30] US (17/186,883) 2021-02-26

[21] **3,148,442**
[13] A1
[51] **Int.Cl. H04L 67/566 (2022.01)**
[25] EN
[54] **METHOD FOR MAINTAINING TRUST AND CREDIBILITY IN A FEDERATED LEARNING ENVIRONMENT**
[54] **METHODE POUR MAINTENIR LA CONFIANCE ET LA CREDIBILITE D'UN ENVIRONNEMENT D'APPRENTISSAGE FEDERE**
[72] AL SHIKH, RIMA, CA
[71] GENBU TECHNOLOGIES INC., CA
[22] 2022-02-11
[41] 2022-08-22
[30] US (17/182,051) 2021-02-22

[21] **3,148,561**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/12 (2006.01) B64D 27/24 (2006.01) B64D 35/08 (2006.01)**
[25] FR
[54] **PROCEDURE AND CONTROL DEVICE FOR INSTALLING A THERMAL AND ELECTRIC MOTOR FOR ROTORCRAFT**
[54] **PROCEDE ET DISPOSITIF DE CONTROLE D'UNE INSTALLATION MOTRICE THERMIQUE ET ELECTRIQUE POUR GIRAVION**
[72] SERR, CHRISTOPHE, FR
[72] HONNORAT, OLIVIER, FR
[72] MADEIRA, ALEXANDRE, FR
[72] COQUILLAT, JEAN-CHRISTOPHE, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2022-02-11
[41] 2022-08-22
[30] FR (2101689) 2021-02-22

[21] **3,148,570**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZING AN ARRIVAL STREAM OF AT LEAST TWO AIRCRAFT, CORRESPONDING DEVICE AND COMPUTER PROGRAM**
[54] **METHODE D'OPTIMISATION D'UN FLUX D'ARRIVEE D'AU MOINS DEUX AERONEFS, DISPOSITIF CORRESPONDANT ET PROGRAMME INFORMATIQUE**
[72] KULESH, MIKHAIL, DE
[72] WERNSING, HEINRICH, DE
[71] FREQUENTIS ORTHOGON GMBH, DE
[22] 2022-02-10
[41] 2022-08-25
[30] EP (21159380.1) 2021-02-25

[21] **3,148,904**
[13] A1
[51] **Int.Cl. A61F 5/56 (2006.01) A61C 7/08 (2006.01) A61C 7/36 (2006.01)**
[25] EN
[54] **BIDIRECTIONAL JAW DISPLACEMENT ORAL APPLIANCE**
[54] **APPAREIL BUCCAL DE DEPLACEMENT BIDIRECTIONNEL DE LA MACHOIRE**
[72] FALLON, JOHN M., US
[71] APNEA SCIENCES CORPORATION, US
[22] 2022-02-15
[41] 2022-08-23
[30] US (17/183,069) 2021-02-23

[21] **3,148,913**
[13] A1
[51] **Int.Cl. A01K 29/00 (2006.01)**
[25] FR
[54] **REAL TIME TRACKING DEVICE FOR LIVESTOCK**
[54] **DISPOSITIF DE SUIVI EN TEMPS REEL D'ANIMAUX D'ELEVAGE**
[72] CLAIREAU, THIERRY, TH
[72] GUEROU, ETIENNE, FR
[71] LIVESTOCK TECHNOLOGY, FR
[22] 2022-02-15
[41] 2022-08-23
[30] FR (FR2101742) 2021-02-23

[21] **3,149,048**
[13] A1
[51] **Int.Cl. F24F 11/41 (2018.01) F24F 11/86 (2018.01) F25B 49/02 (2006.01)**
[25] EN
[54] **PREVENTING EVAPORATOR COIL FREEZE DURING RE-HEAT DEHUMIDIFICATION**
[54] **PREVENTION DU GEL DE SERPENTIN D'EVAPORATEUR PENDANT LA DESHUMIDIFICATION DE RECHAUFFAGE**
[72] GOEL, RAKESH, US
[72] RAJAN, SIDDARTH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2022-02-16
[41] 2022-08-22
[30] US (17/181,174) 2021-02-22

[21] **3,149,051**
[13] A1
[51] **Int.Cl. F24F 11/38 (2018.01)**
[25] EN
[54] **SOUND-BASED HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM DIAGNOSTICS**
[54] **DIAGNOSTICS SONORES DES SYSTEMES DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION**
[72] DELGOSHAEI, PAYAM, US
[72] KOWALD, GLENN WILLIAM, US
[72] VENKATESH, SRIDHAR, US
[72] BERG, ERIC, US
[72] MANOHARARAJ, JANATHKUMAR, US
[72] FONTENAULT, JEFFREY, US
[71] LENNOX INDUSTRIES INC., US
[22] 2022-02-16
[41] 2022-08-23
[30] US (17/183,228) 2021-02-23

[21] **3,149,075**
[13] A1
[51] **Int.Cl. B62D 5/00 (2006.01) B60W 10/04 (2006.01) B60W 10/20 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL METHOD, VEHICLE CONTROL SYSTEM, AND VEHICLE**
[54] **METHODE DE COMMANDE DE VEHICULE, SYSTEME DE COMMANDE DE VEHICULE ET VEHICULE**
[72] OKANO, HIDEKI, JP
[72] SOMADA, HISASHI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2022-02-16
[41] 2022-08-24
[30] JP (2021-027852) 2021-02-24

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[51] **Int.Cl. B65D 81/107 (2006.01) B65D 57/00 (2006.01)**
[25] EN
[54] **SEPARATOR BEADS FOR MANUFACTURED CONCRETE PRODUCTS**
[54] **PERLES DE SEPARATION POUR LES PRODUITS DE BETON FABRIQUES**
[72] OESTERLE, MATTHEW, US
[72] WALLOCH, CRAIG, US
[72] BROWN, MARSHALL L., US
[72] LIGHT, TED, US
[72] JURIK, DEAN, US
[71] ACM CHEMISTRIES, INC., US
[22] 2022-02-17
[41] 2022-08-26
[30] US (63/154301) 2021-02-26
[30] US (17/671,908) 2022-02-15

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[51] **Int.Cl. B60K 13/00 (2006.01) F01N 13/08 (2010.01) B60F 5/00 (2006.01) B60K 13/02 (2006.01) B60K 13/04 (2006.01) B62D 33/02 (2006.01) F02M 35/10 (2006.01)**
[25] EN
[54] **ALL-TERRAIN VEHICLE**
[54] **VEHICULE TOUT-TERRAIN**
[72] LI, XIANG, CN
[71] SEGWAY TECHNOLOGY CO., LTD., CN
[22] 2022-02-18
[41] 2022-08-22
[30] CN (202110199681.9) 2021-02-22
[30] CN (202120395202.6) 2021-02-22
[30] CN (202120395204.5) 2021-02-22
[30] CN (202120395203.0) 2021-02-22

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[13] A1
[51] **Int.Cl. E01C 5/02 (2006.01) B28D 1/00 (2006.01)**
[25] EN
[54] **METHODS FOR PREPARING AND INSTALLING A NATURAL STONE SURFACE AND A TILED NATURAL STONE PAVING SYSTEM THEREFOR**
[54] **METHODES DE PREPARATION ET D'INSTALLATION D'UNE SURFACE DE PIERRE NATURELLE ET SYSTEME DE PAVE DE PIERRES NATURELLES A CARREAUX**
[72] WELSH, MICHAEL ALLAN, CA
[72] RADTKE, WESLEY ROY, CA
[71] WELSH, MICHAEL ALLAN, CA
[22] 2022-02-18
[41] 2022-08-24
[30] US (17/249,216) 2021-02-24
[30] CA (3,110,178) 2021-02-24

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[51] **Int.Cl. E04F 13/075 (2006.01) E04F 13/00 (2006.01) E04F 13/21 (2006.01)**
[25] EN
[54] **UNIVERSAL Z-Z CHANNEL FOR MOUNTING WALL PANELS TO EXISTING WALL**
[54] **CANAL Z-Z UNIVERSEL POUR INSTALLER DES PANNEAUX MURAUX A UN MUR EXISTANT**
[72] BILGE, HENRY H., US
[71] BILGE, HENRY H., US
[22] 2022-02-18
[41] 2022-08-21
[30] US (17/180,859) 2021-02-21
[30] US (17/203,283) 2021-03-16
[30] US (17/560,249) 2021-12-22

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] THRELKELD, KEVIN CHRIS, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-24
[30] US (63/152869) 2021-02-24

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] APONTE-RIVERA, JOSE, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-24
[30] US (63/152862) 2021-02-24

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] DELHEIMER, JACOB CHARLES, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-23
[30] US (63/152430) 2021-02-23

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] DVORJAK, DANIELA SARTI, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-23
[30] US (63/152403) 2021-02-23

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] APONTE-RIVERA, JOSE, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-23
[30] US (63/152476) 2021-02-23

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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] LEE, DAVID SCOTT, CA
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-24
[30] US (63/152866) 2021-02-24

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[13] A1
[51] **Int.Cl. E21B 25/00 (2006.01) E21B 25/10 (2006.01)**
[25] EN
[54] **ERGONOMIC SHOE INTERFACE SYSTEM FOR CORE DRILLING**
[54] **SYSTEME D'INTERFACE DE SABOT ERGONOMIQUE POUR LE CAROTTAGE**
[72] MACDONALD, JAMUS, US
[71] MACDONALD, JAMUS, US
[22] 2022-02-21
[41] 2022-08-22
[30] US (17/181,689) 2021-02-22

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[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A23K 10/30 (2016.01) A23L 11/00 (2021.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **A SOYBEAN VARIETY**
[54] **VARIETE DE SOJA**
[72] LEE, DAVID SCOTT, US
[72] ERDAHL, BRIAN SCOTT, US
[71] SYNGENTA CROP PROTECTION AG, CH
[22] 2022-02-18
[41] 2022-08-24
[30] US (63/152868) 2021-02-24

[21] **3,149,755**
[13] A1
[51] **Int.Cl. B32B 3/30 (2006.01) B32B 5/16 (2006.01)**
[25] EN
[54] **MULTILAYER FILM WITH INCREASED SURFACE ROUGHNESS AND METHOD OF MAKING THE SAME**
[54] **FILM MULTICOUPLE COMPRENANT UNE SURFACE RUGUEUSE ACCRUE ET METHODE DE FABRICATION**
[72] MICHEL, CHRISTOPH, US
[72] DEL BARRIO PEREZ, JAVIER, US
[71] TAGHLEEF INDUSTRIES INC., US
[22] 2022-02-22
[41] 2022-08-23
[30] US (63/152,415) 2021-02-23

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[51] **Int.Cl. A41D 1/02 (2006.01) A41D 1/04 (2006.01) A41D 13/015 (2006.01) A41D 27/12 (2006.01) A41H 43/00 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **LOAD-BEARING VEST OVERLAY JACKET**
[54] **VESTE POUR GILET DE SUPPORT DE CHARGE**
[72] JOHNSON, CRAIG, US
[71] GRANITE5 LLC, US
[22] 2022-02-22
[41] 2022-08-22
[30] US (63/151,990) 2021-02-22
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[21] **3,149,764**
[13] A1
[51] **Int.Cl. A47G 19/12 (2006.01) A47G 23/00 (2006.01)**
[25] EN
[54] **FOOD SERVER WITH DETACHABLE POCKETS**
[54] **SERVICE DE TABLE AVEC POCHES DETACHABLES**
[72] BENJAMIN, ROBERT A., US
[71] BENJAMIN, ROBERT A., US
[22] 2022-02-22
[41] 2022-08-24
[30] US (17183556) 2021-02-24

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[51] **Int.Cl. G06Q 30/02 (2012.01) G16H 10/00 (2018.01) G16H 15/00 (2018.01) G06N 20/00 (2019.01) G06N 3/02 (2006.01) G06F 16/28 (2019.01)**
[25] EN
[54] **AUTOMATIC DATA INTEGRATION FOR PERFORMANCE MEASUREMENT OF MULTIPLE SEPARATE DIGITAL TRANSMISSIONS WITH CONTINUOUS OPTIMIZATION**
[54] **INTEGRATION AUTOMATIQUE DE DONNEES POUR LA MESURE DE RENDEMENT DE MULTIPLES TRANSMISSIONS NUMERIQUES SEPAREES SELON UNE OPTIMISATION CONTINUELLE**
[72] DAKIC, VASO, US
[72] HE, SARA, US
[72] PAQUETTE, CHRIS, US
[72] ROMANOVSKI, PAVEL, US
[72] WERTHER, JEN, US
[72] YAZOVSKIY, ANTON, US
[72] GANDHE, SOURABH, US
[72] KULKARNI, CHINMAY, US
[72] ADATHIYA, NUUPUR, US
[71] DEEPINTENT, INC., US
[22] 2022-02-22
[41] 2022-08-22
[30] US (17/182,200) 2021-02-22

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[51] **Int.Cl. E21B 29/00 (2006.01)**
[25] EN
[54] **DRILLING ASSEMBLY FOR REMOVAL OF AN OBSTACLE IN A CONDUIT**
[54] **ASSEMBLAGE DE FORAGE POUR ELIMINER UN OBSTACLE DANS UNE CONDUITE**
[72] GABRIELSEN, KRISTINE FALK, NO
[72] MOTLAND, ARNE, NO
[72] HAUGLAND, LASSE, NO
[71] ALTUS INTERVENTION (TECHNOLOGIES) AS, NO
[22] 2022-02-22
[41] 2022-08-22
[30] NO (20210227) 2021-02-22
[30] NO (20220208) 2022-02-15

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[13] A1
[51] **Int.Cl. F28F 7/02 (2006.01) F25D 31/00 (2006.01) F28D 21/00 (2006.01)**
[25] EN
[54] **WATER BLOCK HAVING HOLLOW FINS**
[54] **ECHANGEUR A EAU A AILETTES CREUSES**
[72] CHEHADE, ALI, FR
[72] CHAKIR, ANAS, BE
[72] BAUDUIN, HADRIEN, FR
[71] OVH, FR
[22] 2022-02-22
[41] 2022-08-26
[30] EP (21305237.6) 2021-02-26
[30] EP (21305717.7) 2021-05-28

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[13] A1
[25] EN
[54] **METHOD AND POWER DISTRIBUTION CIRCUIT FOR PROVIDING ELECTRIC POWER FROM PLURALITY OF POWER SUPPLIES TO A PLURALITY OF LOADS**
[54] **METHODE ET CIRCUIT DE DISTRIBUTION D'ENERGIE POUR FOURNIR UNE ALIMENTATION ELECTRIQUE DE PLUSIEURS SOURCES A PLUSIEURS CHARGES**
[72] THIBAUT, CHRISTOPHE MAURICE, FR
[72] MAILLOT, PATRICK-GILLES, FR
[71] OVH, FR
[22] 2022-02-22
[41] 2022-08-26
[30] EP (21305240.0) 2021-02-26

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[51] **Int.Cl. B25C 1/04 (2006.01) B25C 5/13 (2006.01) F04B 41/02 (2006.01)**
[25] EN
[54] **FASTENER DRIVING APPARATUS AND METHODS**
[54] **APPAREIL ET METHODES D'ENTRAINEMENT D'ATTACHE**
[72] MENDEZ JAQUEZ, MIGUEL E., US
[72] VERSINO, ANTHONY M., US
[72] CORTEZ, GENARO, JR, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2022-02-22
[41] 2022-08-24
[30] US (63/153,043) 2021-02-24
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[51] **Int.Cl. E05B 73/00 (2006.01) A47F 7/00 (2006.01)**
[25] EN
[54] **MERCHANDISE ANTI-THEFT DEVICE WITH AN ELECTROMECHANICAL RELEASE MECHANISM**
[54] **DISPOSITIF ANTIVOL DE MARCHANDISES COMPRENANT UN MECANISME DE LIBERATION ELECTROMECANIQUE**
[72] KELSCH, CHRISTOPHER A., US
[72] ZHU, WADE, US
[72] ECKERT, LEE, US
[72] AGUSTIN, FRANCESC, US
[72] BIGGINS, JASEN PAUL, US
[72] FIGH, JOHN N., JR, US
[71] VANGUARD PRODUCTS GROUP, INC., US
[71] KELSCH, CHRISTOPHER A., US
[22] 2022-02-22
[41] 2022-08-25
[30] US (63/153,506) 2021-02-25
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[51] **Int.Cl. F24B 5/02 (2006.01) F23L 15/00 (2006.01) F24B 1/02 (2006.01)**
[25] EN
[54] **CABINET CIRCULATOR SOLID FUEL HEATER COMBUSTION SYSTEM**
[54] **SYSTEME DE COMBUSTION DE CHAUFFAGE CIRCULATEUR A CARBURANT SOLIDE POUR ARMOIRE**
[72] BARRY, BRANDON LANE, US
[72] BROOKS, COREY, US
[72] MANTOOTH, DUSTIN, US
[71] UNITED STATES STOVE COMPANY, US
[22] 2022-02-22
[41] 2022-08-22
[30] US (63/152182) 2021-02-22

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[13] A1
[51] **Int.Cl. B60R 9/12 (2006.01)**
[25] EN
[54] **ACCESSORY RACK ASSEMBLY AND ACCESSORY RACK KIT**
[54] **ASSEMBLAGE ET TROUSSE DE RATELIER A ACCESSOIRES**
[72] LABBE, CHRISTIAN, CA
[72] ASSELIN, JONATHAN, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-02-23
[41] 2022-08-26
[30] US (63/154,238) 2021-02-26

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[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) H04L 67/02 (2022.01) H04L 69/16 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NETWORK PRIVACY**
[54] **SYSTEMES ET PROCEDES DE LA CONFIDENTIALITE DE RESEAU**
[72] HELFINSTINE, CHARLES A., US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-02-23
[41] 2022-08-25
[30] US (17/249,285) 2021-02-25

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[13] A1
[51] **Int.Cl. G09B 23/30 (2006.01) G09B 5/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **PROVIDING TRAINING AND ASSESSMENT OF PHYSIATRICS AND COSMETICS PROCESSES ON A PHYSICAL MODEL HAVING TACTILE SENSORS, USING A VIRTUAL REALITY DEVICE**
[54] **FORMATION ET EVALUATION DES PROCEDES PHYSIATRIQUES ET COSMETIQUES SUR UN MODELE PHYSIQUE AYANT DES CAPTEURS TACTILES, A L'AIDE D'UN DISPOSITIF DE REALITE VIRTUELLE**
[72] SHARMA, SANGEETA, CA
[72] MEHTA, ALPA, CA
[71] SURREAL XRV INC., CA
[22] 2022-02-22
[41] 2022-08-23
[30] US (63/152,802) 2021-02-23

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[13] A1
[51] **Int.Cl. C09D 7/61 (2018.01)**
[25] EN
[54] **FILLER FOR WALL COATINGS**
[54] **AGENT DE REMPLISSAGE POUR REVETEMENTS MURAUX**
[72] HULLIN, ANGELA, DE
[72] HOFMANN, HANS-JURGEN, DE
[72] KOHL, CHRISTIAN, DE
[71] AMBERGER KAOLINWERKE EDUARD KICK GMBH & CO. KG, DE
[22] 2022-02-23
[41] 2022-08-24
[30] EP (21158930.4) 2021-02-24

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ADVANCED SECURITY CONTROL IMPLEMENTATION OF PROXIED CRYPTOGRAPHIC KEYS**
[54] **MISE EN OEUVRE DE CONTROLES DE SECURITE AVANCES DE CLES DE CHIFFREMENT MANDATAIRES**
[72] MILLER, KIERAN, US
[71] GARANTIR LLC, US
[22] 2022-02-23
[41] 2022-08-23
[30] US (63/152,831) 2021-02-23
[30] US (17/229,426) 2021-04-13

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[13] A1
[51] **Int.Cl. B01J 8/02 (2006.01) H01M 8/04 (2016.01)**
[25] EN
[54] **DECOMPOSITION OF HYDROGEN PEROXIDE AND REMOTE UTILITIES SYSTEM**
[54] **DECOMPOSITION DU PEROXYDE D'HYDROGENE ET SYSTEME DE SERVICES ELOIGNE**
[72] WOODLEY, RYAN THOMAS, CA
[71] HYDRODINE CATALYTICS LTD., CA
[22] 2022-02-23
[41] 2022-08-25
[30] CA (3,110,379) 2021-02-25
[30] US (63/170,800) 2021-04-05
[30] US (63/280,764) 2021-11-18

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[13] A1
[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/45 (2014.01) A63F 13/52 (2014.01) A63F 9/04 (2006.01)**
[25] EN
[54] **ELECTRONIC GAMING MACHINE FOR PLAYING A WAGERING DICE GAME**
[54] **MACHINE DE JEU ELECTRONIQUE POUR JOUER A UN JEU DE PARI AUX DES**
[72] VRABEC, BLAZ, CY
[72] KOLMAN, MITJA, CY
[71] ZUUM LIMITED, CY
[22] 2022-02-23
[41] 2022-08-26
[30] US (17/186,635) 2021-02-26
[30] US (17/462,344) 2021-08-31

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[13] A1
[51] **Int.Cl. B29C 33/68 (2006.01) B29C 70/36 (2006.01)**
[25] EN
[54] **EMBOSSED RELEASE FILM, VACUUM BAGGING SYSTEM, AND METHODS OF FABRICATING COMPOSITE PARTS USING THE SAME**
[54] **FILM DE LIBERATION EN RELIEF, SYSTEME DE MISE EN SAC SOUS VIDE ET METHODES CONNEXES DE FABRICATION DE PIECES COMPOSITES**
[72] DAHLGREN, JEFFREY L., US
[72] LUNN, PHILIP A., US
[72] SKELTON, ZACHARY I., US
[71] AIRTECH INTERNATIONAL, INC., US
[22] 2022-02-23
[41] 2022-08-23
[30] US (17/182,696) 2021-02-23

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/18 (2006.01) B65G 31/00 (2006.01)**
[25] EN
[54] **SEED PLACEMENT DEVICE**
[54] **DISPOSITIF DE PLACEMENT DE SEMENCES**
[72] CASPER, ROBERT, T., US
[72] GARNER, ELIJAH, B., US
[72] DHOBALE, DNYANESH, IN
[72] BORKGREN, STANLEY, R., US
[71] DEERE & COMPANY, US
[22] 2022-02-23
[41] 2022-08-24
[30] US (63/152,995) 2021-02-24
[30] US (17/676,579) 2022-02-21

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[13] A1
[25] EN
[54] **PATCH PANEL ASSEMBLY**
[54] **ASSEMBLAGE DE PANNEAU DE CONNEXIONS**
[72] PLAMONDON, JEAN-SEBASTIEN, CA
[72] VESTER, NICOLAI HJALTE, DK
[72] KLOSTERSKOV, RENE, DK
[71] BELDEN CANADA ULC, CA
[22] 2022-02-23
[41] 2022-08-24
[30] US (63/152,951) 2021-02-24

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[13] A1
[51] **Int.Cl. G01M 3/00 (2006.01)**
[25] EN
[54] **NON-INTRUSIVE INTEGRAL SYSTEM FOR PIPELINES MONITORING IN REAL TIME**
[54] **SYSTEME INTEGRAL NON INTRUSIF POUR LA SURVEILLANCE DE PIPELINES EN TEMPS REEL**
[72] SADOVNYCHIY, SERGIY, MX
[72] LOPEZ CARRETO, JUAN MANUEL, MX
[72] CANUL GARCIA, EDGAR ALBERTO, MX
[72] HERNANDEZ ROJO, MARCO ANTONIO, MX
[72] REAL GOMEZ, FERNANDO, MX
[72] MOYA OCHOA, SAMUEL EDUARDO, MX
[72] PONOMARYOV, VOLODYMYR, MX
[71] INSTITUTO MEXICANO DEL PETROLEO, MX
[22] 2022-02-23
[41] 2022-08-26
[30] MX (MX/A/2021/002358) 2021-02-26

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[13] A1
[51] **Int.Cl. F01K 23/10 (2006.01) F01K 13/00 (2006.01) F01K 25/00 (2006.01)**
[25] EN
[54] **PROCESSOR-BASED ORGANIC RANKINE CYCLE SYSTEM FOR PREDICTIVELY-MODELED RECOVERY AND CONVERSION OF THERMAL ENERGY**
[54] **CYCLE DE RANKINE ORGANIQUE A BASE DE PROCESSEUR POUR LA RECUPERATION ET LA CONVERSION D'ENERGIE THERMIQUE SELON UN MODELE PREDICTIF**
[72] JUCHYMENKO, VICTOR, CA
[71] JUCHYMENKO, VICTOR, CA
[22] 2022-02-23
[41] 2022-08-23
[30] US (17/183,283) 2021-02-23

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[21] **3,150,062**
[13] A1
[51] **Int.Cl. H04L 65/1094 (2022.01)**
[25] EN
[54] **COLLABORATIVE DISTRIBUTED WORKSPACE USING REAL-TIME PROCESSING NETWORK OF VIDEO PROJECTORS AND CAMERAS**
[54] **ESPACE DE TRAVAIL DISTRIBUE COLLABORATIF UTILISANT UN RESEAU DE TRAITEMENT EN TEMPS REEL COMPOSE DE PROJECTEURS ET DE CAMERAS**
[72] KENNEDY, LUKE, CA
[72] ALLAN, RODNEY, CA
[71] INTERNATIONAL DATACASTING CORP., CA
[22] 2022-02-24
[41] 2022-08-24
[30] US (63/152,970) 2021-02-24

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[21] **3,150,077**
[13] A1
[51] **Int.Cl. A47L 9/00 (2006.01) A47L 9/02 (2006.01) A47L 13/52 (2006.01)**
[25] EN
[54] **DUSTPAN ACCESSORY TOOL FOR VACUUM CLEANER**
[54] **OUTIL D'ACCESSOIRE DE PORTE-POUSSIERE POUR UN ASPIRATEUR**
[72] HUGHETT, STEPHEN A., US
[72] KNIGHT, TYLER H., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-24
[41] 2022-08-25
[30] US (63/153,787) 2021-02-25

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[21] **3,150,086**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AN AUTOMATED AND INTELLIGENT FRAC PUMPING**
[54] **SYSTEME ET METHODE DE POMPE DE FRACTURATION AUTOMATISEE ET INTELLIGENTE**
[72] KRUPA, ANDREW, US
[72] MASSEY, COREY, US
[72] COOK, JAMES, US
[71] FMC TECHNOLOGIES, INC., US
[22] 2022-02-24
[41] 2022-08-25
[30] US (63/153,607) 2021-02-25

[21] **3,150,091**
[13] A1
[51] **Int.Cl. F16L 11/10 (2006.01)**
[25] EN
[54] **HOSE HAVING A TENSILE STRENGTH BRAIDED LAYER**
[54] **BOYAU COMPRENANT UNE COUCHE TRESSEE DE RESISTANCE A LA TRACTION**
[72] BEITZEL, LEE D., US
[72] HENRY, TY, US
[72] BURROWBRIDGE, SCOTT T., US
[71] PARKER HANNIFIN CORPORATION, US
[22] 2022-02-24
[41] 2022-08-24
[30] US (63/152,952) 2021-02-24

[21] **3,150,097**
[13] A1
[51] **Int.Cl. F16M 11/00 (2006.01) F16B 7/00 (2006.01)**
[25] EN
[54] **PORTABLE WALK THROUGH SENSOR FRAME ASSEMBLY**
[54] **ASSEMBLAGE DE PORTIQUE PORTATIF A CAPTEUR**
[72] MONTELEONE, JOSEPH, CA
[72] BOUCHER, STEPHANE, CA
[72] BUTLER, DONALD, CA
[72] BUTLER, KEVIN, CA
[71] MONTELEONE, JOSEPH, CA
[71] BOUCHER, STEPHANE, CA
[71] BUTLER, DONALD, CA
[71] BUTLER, KEVIN, CA
[22] 2022-02-24
[41] 2022-08-24
[30] US (63/153,069) 2021-02-24

[21] **3,150,102**
[13] A1
[51] **Int.Cl. G06F 40/174 (2020.01) G16H 10/20 (2018.01) G06F 40/186 (2020.01)**
[25] EN
[54] **SYSTEMS, METHODS AND DEVICES FOR STRUCTURED DYNAMIC ELECTRONIC FORMS**
[54] **SYSTEMES, METHODES ET DISPOSITIFS POUR LES FORMULAIRES ELECTRONIQUES DYNAMIQUES STRUCTURES**
[72] SAMONTE, MIMI, CA
[72] O'CONNOR, CHRIS, CA
[72] LEWIS, KIRSTEN, CA
[72] KARAS, DANIEL, CA
[72] HARE, BEN, CA
[71] THINK RESEARCH CORPORATION, CA
[22] 2022-02-24
[41] 2022-08-24
[30] US (63/153,135) 2021-02-24

[21] **3,150,110**
[13] A1
[51] **Int.Cl. B60P 1/64 (2006.01) B65G 67/04 (2006.01)**
[25] EN
[54] **LOADING SYSTEM FOR A VEHICLE AND VEHICLE HAVING SAME**
[54] **SYSTEME DE CHARGEMENT POUR UN VEHICULE ET VEHICULE LE COMPRENANT**
[72] POIRIER, KEVIN, CA
[72] ROY, CHARLES, CA
[72] TARDIF, ALEXANDRE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-02-24
[41] 2022-08-26
[30] US (63/154,555) 2021-02-26

[21] **3,150,118**
[13] A1
[51] **Int.Cl. B29C 65/16 (2006.01)**
[25] EN
[54] **MACHINE AND METHOD FOR WELDING PLASTIC PARTS TOGETHER**
[54] **MACHINE ET METHODE POUR SOUDER DES PIECES EN PLASTIQUE ENSEMBLE**
[72] NOVAKOVIC, BORIS, CA
[72] TOUESNARD, ZACHARY, CA
[72] PUPOVAC, RADE, CA
[72] HOLTKAMP, CHRISTIAN PETER, CA
[72] BENYAMIEN, EIWAN, CA
[71] SPM AUTOMATION (CANADA) INC., CA
[22] 2022-02-25
[41] 2022-08-26
[30] US (63/154,068) 2021-02-26

[21] **3,150,124**
[13] A1
[51] **Int.Cl. E04D 1/30 (2006.01) E04D 1/28 (2006.01) E04D 1/36 (2006.01)**
[25] EN
[54] **ROOFING SYSTEMS UTILIZING CAP SHINGLES WITH SELF-SEALING ADHESIVES**
[54] **SYSTEMES DE COUVERTURE UTILISANT DES BARDEAUX DE FAITAGE AVEC DES ADHESIFS AUTOCOLLANTS**
[72] DUQUE, LUIS, US
[72] SHIAO, MING-LIANG, US
[71] BMIC LLC, US
[22] 2022-02-25
[41] 2022-08-26
[30] US (63/154,018) 2021-02-26

[21] **3,150,129**
[13] A1
[51] **Int.Cl. A47B 77/00 (2006.01) A47B 31/00 (2006.01) A47B 46/00 (2006.01) A47K 1/02 (2006.01)**
[25] EN
[54] **PORTABLE CABINET**
[54] **ARMOIRE PORTATIVE**
[72] RUMMERY, GARTH, US
[71] RUMMERY, GARTH, US
[22] 2022-02-25
[41] 2022-08-25
[30] US (63/153,801) 2021-02-25

[21] **3,150,139**
[13] A1
[51] **Int.Cl. B26B 13/20 (2006.01)**
[25] EN
[54] **FINGER GRIP FOR SHEARS**
[54] **BRIDE POUR LES DOIGTS POUR CISAILLES**
[72] PANOSIAN, MICHAEL H., US
[72] KEELER, JOSHUA M., US
[71] PANOSIAN, MICHAEL H., US
[71] KEELER, JOSHUA M., US
[22] 2022-02-25
[41] 2022-08-25
[30] US (17/184,935) 2021-02-25
[30] US (17/674,691) 2022-02-17

[21] **3,150,167**
[13] A1
[51] **Int.Cl. B65G 54/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOVING ELEMENT TRANSPORT IN A CONVEYOR SYSTEM**
[54] **SYSTEME ET METHODE POUR DEPLACER DES ELEMENTS DANS UN SYSTEME DE TRANSPORT**
[72] HOGAN, ROGER, CA
[72] KLEINIKKINK, ALBERT, CA
[72] LAMBERT, BLAKE ROBERT, CA
[71] ATS AUTOMATION TOOLING SYSTEMS INC., CA
[22] 2022-02-25
[41] 2022-08-26
[30] US (63/154,393) 2021-02-26

[21] **3,150,170**
[13] A1
[51] **Int.Cl. B65D 21/032 (2006.01) B65D 25/28 (2006.01)**
[25] EN
[54] **STACKABLE FLUID CONTAINER WITH DOUBLE TOP HANDLE**
[54] **CONTENANT A FLUIDE EMPILABLE AVEC POIGNEE SUPERIEURE DOUBLE**
[72] AUBIN, REGENT, CA
[71] AUBIN, REGENT, CA
[22] 2022-02-25
[41] 2022-08-26
[30] CA (63157387) 2021-02-26

[21] **3,150,174**
[13] A1
[51] **Int.Cl. F41A 19/01 (2006.01) F41A 31/00 (2006.01)**
[25] EN
[54] **FIREARM ANALYSIS DEVICE**
[54] **DISPOSITIF D'ANALYSE D'ARME A FEU**
[72] STAIGER, MARKUS, DE
[72] SCHEUERMANN, MARK, DE
[72] KOPF, JOHANNES ALEXANDER, DE
[72] GEBERT, DIETRICH, DE
[72] RIMPF, DIETER, DE
[71] HECKLER & KOCH GMBH, DE
[22] 2022-02-25
[41] 2022-08-25
[30] DE (10 2021 104 517.7) 2021-02-25

[21] **3,150,180**
[13] A1
[51] **Int.Cl. B26B 13/20 (2006.01)**
[25] EN
[54] **FINGER GRIP FOR SHEARS**
[54] **BRIDE POUR LES DOIGTS POUR CISAILLES**
[72] KEELER, JOSHUA M., US
[72] PANOSIAN, MICHAEL H., US
[71] PANOSIAN, MICHAEL H., US
[71] KEELER, JOSHUA M., US
[22] 2022-02-25
[41] 2022-08-25
[30] US (17/184,935) 2021-02-25
[30] US (17/674,735) 2022-02-17

[21] **3,150,181**
[13] A1
[51] **Int.Cl. G01J 3/02 (2006.01)**
[25] EN
[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
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2022-02-25
[41] 2022-08-25
[30] US (17/652,431) 2022-02-24
[30] US (63/268,456) 2022-02-24
[30] US (63/153,452) 2021-02-25

[21] **3,150,182**
[13] A1
[51] **Int.Cl. H04N 5/225 (2006.01) E05F 15/77 (2015.01) G08B 7/06 (2006.01)**
[25] EN
[54] **VIDEO DEVICE WITH ELECTROMAGNETICALLY REFLECTIVE ELEMENTS**
[54] **DISPOSITIF VIDEO COMPRENANT DES ELEMENTS REFLECHISSANTS PAR ELECTROMAGNETISME**
[72] STEFANS, ERIK, US
[72] REKSTAD, MICHAEL, US
[72] HOMZA, HENRY, US
[72] THOMAS, ABRAHAM, US
[72] JOU, MICHAEL, US
[72] EGAN, KENNETH, US
[72] URBAN, DAVID, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-02-25
[41] 2022-08-26
[30] US (17/187,130) 2021-02-26

[21] **3,150,183**
[13] A1
[25] EN
[54] **FLINK STREAMING PROCESSING ENGINE METHOD AND DEVICE FOR REAL-TIME RECOMMENDATION AND COMPUTER EQUIPMENT**
[54] **METHODE ET DISPOSITIF DE MOTEUR DE TRAITEMENT DE DIFFUSION FLINK POUR LA RECOMMANDATION EN TEMPS REEL ET MATERIEL INFORMATIQUE**
[72] HE, XIAOMING, CN
[72] ZHOU, RUI, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-25
[41] 2022-08-25
[30] CN (202110215212.1) 2021-02-25

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[21] **3,150,184**
[13] A1
[51] **Int.Cl. B26B 13/20 (2006.01)**
[25] EN
[54] **FINGER GRIP FOR SHEARS**
[54] **BRIDE POUR LES DOIGTS POUR CISAILLES**
[72] PANOSIAN, MICHAEL H., US
[72] KEELER, JOSHUA M., US
[71] PANOSIAN, MICHAEL H., US
[71] KEELER, JOSHUA M., US
[22] 2022-02-25
[41] 2022-08-25
[30] US (17/184,935) 2021-02-25
[30] US (17/674,718) 2022-02-17

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[21] **3,150,185**
[13] A1
[51] **Int.Cl. G06F 16/20 (2019.01) G06F 16/23 (2019.01)**
[25] EN
[54] **DATA PROCESSING METHOD, DEVICE, AND ELECTRONIC APPARATUS**
[54] **METHODE DE TRAITEMENT DE DONNEES, DISPOSITIF ET APPAREIL ELECTRONIQUE**
[72] GAO, CAIWANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-25
[41] 2022-08-25
[30] CN (202110215180.5) 2021-02-25

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[21] **3,150,192**
[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G16H 30/40 (2018.01) G06T 1/20 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING DEVICE, SYSTEM, AND METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE, SYSTEME ET METHODE**
[72] BACKSTROM, KARL, SE
[72] NAZARI, MAHMOOD, DE
[72] KLUGE, ANDREAS, DE
[71] ABX - CRO ADVANCED PHARMACEUTICAL SERVICES FORSCHUNGSGESELLSCHAFT M.B.H., DE
[22] 2022-02-25
[41] 2022-08-26
[30] EP (21 159 692.9) 2021-02-26

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[21] **3,150,194**
[13] A1
[51] **Int.Cl. A47L 9/30 (2006.01) F21L 13/02 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **VACUUM ACCESSORY TOOL WITH FLUID-POWERED LIGHT SOURCE**
[54] **OUTIL D'ASPIRATEUR AVEC SOURCE DE LUMIERE ALIMENTEE PAR LIQUIDE**
[72] KNIGHT, TYLER H., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-25
[41] 2022-08-25
[30] US (63/153,780) 2021-02-25

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[21] **3,150,205**
[13] A1
[51] **Int.Cl. B32B 7/02 (2019.01) B32B 13/00 (2006.01)**
[25] EN
[54] **GYPSUM BOARD CONTAINING A POLYOL COMPOUND**
[54] **PLAQUE DE PLATRE COMPORTANT UN COMPOSE DE POLYOL**
[72] STAV, ELI, US
[72] WHITTINGTON, GENE, US
[72] BUSCHE, BRADLEY J., US
[72] IYER, R. G., US
[72] BURGESS, ELIZABETH, US
[72] BAILEY, JOSEPH J., US
[71] GOLD BOND BUILDING PRODUCTS, LLC, US
[22] 2022-02-25
[41] 2022-08-26
[30] US (63/154,140) 2021-02-26

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[21] **3,150,206**
[13] A1
[51] **Int.Cl. E02B 15/04 (2006.01) B03C 5/00 (2006.01) B63B 35/32 (2006.01) E02B 15/06 (2006.01)**
[25] EN
[54] **AQUATIC REMEDIATION SYSTEM**
[54] **SYSTEME D'ASSAINISSEMENT AQUATIQUE**
[72] HERRING, RODNEY, CA
[71] HERRING, RODNEY, CA
[22] 2022-02-25
[41] 2022-08-25
[30] CA (3110376) 2021-02-25

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[21] **3,150,214**
[13] A1
[51] **Int.Cl. F16D 1/08 (2006.01) B23C 3/30 (2006.01)**
[25] EN
[54] **KEYED COUPLING SYSTEM FOR TORQUE TRANSMISSION**
[54] **SYSTEME DE COUPLAGE A CRENEAUX POUR LA TRANSMISSION DE COUPLE**
[72] HADLO, MARTA, CA
[72] KESEK, MATEUSZ, CA
[72] PIOTROWSKI, MACIEJ, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2022-02-25
[41] 2022-08-26
[30] US (17/186,210) 2021-02-26

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[21] **3,150,216**
[13] A1
[51] **Int.Cl. A47L 9/10 (2006.01) A47L 7/00 (2006.01) A47L 9/16 (2006.01)**
[25] EN
[54] **INTEGRATED CYCLONIC SEPARATOR IN A WET-DRY VACUUM**
[54] **SEPARATEUR CYCLONIQUE INTEGRE DANS UN ASPIRATEUR D'ELEMENTS SECS-MOUILLES**
[72] KNIGHT, TYLER H., US
[72] HUGHETT, STEPHEN A., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2022-02-25
[41] 2022-08-25
[30] US (63/153,793) 2021-02-25

[21] **3,150,229**
[13] A1
[51] **Int.Cl. B65B 31/00 (2006.01) B65D 81/18 (2006.01)**
[25] EN
[54] **POSITIVE-PRESSURE-SEALED CONTAINER FOR A WELD CONSUMABLE**
[54] **CONTENANT SCELLE PAR PRESSION POUR UN CONSOMMABLE DE SOUDAGE**
[72] SCHNEIDER, JOSEPH C., US
[71] HOBART BROTHERS LLC, US
[22] 2022-02-26
[41] 2022-08-26
[30] US (63/154,398) 2021-02-26
[30] US (17/678,842) 2022-02-23

[21] **3,150,244**
[13] A1
[51] **Int.Cl. C09K 3/10 (2006.01) E04D 1/34 (2006.01) E04D 5/14 (2006.01)**
[25] EN
[54] **ROOFING PUTTY, METHODS AND SYSTEMS UTILIZING THE SAME**
[54] **MASTIC DE COUVERTURE, METHODES ET SYSTEMES L'UTILISANT**
[72] ZHENG, YAN, US
[72] XIAO, YIXI, US
[71] BMIC LLC, US
[22] 2022-02-25
[41] 2022-08-25
[30] US (63/153,797) 2021-02-25

[21] **3,150,245**
[13] A1
[51] **Int.Cl. A41D 11/00 (2006.01) A41D 1/02 (2006.01) A41D 3/02 (2006.01)**
[25] EN
[54] **MULTILAYER CHILD'S JACKET CONFIGURED TO AVOID IMPEDING EFFECTIVENESS OF VEHICLE CHILD SAFETY SEAT**
[54] **VESTE MULTICOUCHE POUR ENFANT CONFIGUREE POUR EVITER DE NUIRE A L'EFFICACITE D'UN SIEGE DE SECURITE POUR ENFANTS DANS UN VEHICULE**
[72] OCCHICONE, AMANDA, CA
[72] SANGUIGNI, STEFANO, CA
[71] TEMPO OUTERWEAR INC., CA
[22] 2022-02-25
[41] 2022-08-26
[30] US (63/154,235) 2021-02-26

[21] **3,150,331**
[13] A1
[51] **Int.Cl. H04W 12/086 (2021.01)**
[25] EN
[54] **AUTOCONNECT VIRTUAL PRIVATE NETWORK**
[54] **RESEAU PRIVE VIRTUEL A CONNEXION AUTOMATIQUE**
[72] GABAY, BENZY, US
[72] COSTA, ALBERT RIBE, US
[72] TREVES, CARLO, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2022-02-25
[41] 2022-08-26
[30] US (17/187,045) 2021-02-26

[21] **3,150,357**
[13] A1
[51] **Int.Cl. G09B 19/00 (2006.01) G09B 5/00 (2006.01) G09B 23/28 (2006.01)**
[25] EN
[54] **PROVIDING TRAINING AND ASSESSMENT OF PHYSIATRICS AND COSMETICS PROCESSES ON A PHYSICAL MODEL HAVING TACTILE SENSORS, USING A VIRTUAL REALITY DEVICE**
[54] **FORMATION ET EVALUATION DES PROCEDES PHYSIATRIQUES ET COSMETIQUES SUR UN MODELE PHYSIQUE AYANT DES CAPTEURS TACTILES, A L'AIDE D'UN DISPOSITIF DE REALITE VIRTUELLE**
[72] SHARMA, SANGEETA, CA
[72] MEHTA, ALPA, CA
[71] SURREAL XRV INC., CA
[22] 2022-02-22
[41] 2022-08-23
[30] US (63/152,802) 2021-02-23

[21] **3,150,387**
[13] A1
[51] **Int.Cl. B60D 3/00 (2006.01) E01H 5/06 (2006.01)**
[25] EN
[54] **IMPLEMENT CONNECTION SYSTEM AND VEHICLE HAVING SAME**
[54] **SYSTEME DE CONNEXION D'APPAREIL ET VEHICULE LE COMPORTANT**
[72] POIRIER, KEVIN, CA
[72] ROY, CHARLES, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2022-02-28
[41] 2022-08-26
[30] US (63/154,551) 2021-02-26

[21] **3,150,451**
[13] A1
[51] **Int.Cl. E01F 7/04 (2006.01) F42C 14/06 (2006.01) F42C 15/20 (2006.01) F42D 1/04 (2006.01) F42D 3/00 (2006.01)**
[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR AVALANCHE CONTROL**
[54] **METHODE, DISPOSITIF ET SYSTEME POUR LA PREVENTION DES AVALANCHES**
[72] SLY, ADAM, CA
[72] SLY, DAVID, CA
[71] 612431 B.C. LTD., CA
[22] 2022-02-28
[41] 2022-08-26
[30] CA (3110543) 2021-02-26

[21] **3,150,457**
[13] A1
[51] **Int.Cl. H04Q 3/00 (2006.01) G02B 6/02 (2006.01)**
[25] EN
[54] **FIBER-OPTIC SWITCHES USING MULTICORE OPTICAL FIBERS**
[54] **INTERRUPTEURS DE FIBRE OPTIQUE UTILISANT DES FIBRES OPTIQUES MULTINOYAUX**
[72] ADAMS, ROBERT MATTHEW, CA
[72] PHILIPSON, JOSHUA BENJAMIN JULIUS, CA
[71] VIAVI SOLUTIONS INC., US
[22] 2022-02-28
[41] 2022-08-26
[30] US (17/187,348) 2021-02-26

[21] **3,150,483**
[13] A1
[51] **Int.Cl. G06F 16/182 (2019.01) G06F 16/13 (2019.01)**
[25] EN
[54] **HETEROGENEOUS DISTRIBUTED MODEL PROCESSING METHOD, DEVICE, EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE TRAITEMENT DE MODELE DISTRIBUE HETEROGENE, DISPOSITIF, MATERIEL ET SUPPORT DE STOCKAGE**
[72] HE, XIAOMING, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-28
[41] 2022-08-26
[30] CN (202110216584.6) 2021-02-26

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[21] **3,150,487**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **FLINK-BASED REAL-TIME COMPUTATION METHOD, DEVICE, COMPUTER APPARATUS, AND STORAGE MEDIUM**
[54] **METHODE DE CALCUL EN TEMPS REEL FLINK, DISPOSITIF, APPAREIL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] BAO, HUIYAN, CN
[71] 10353744 CANADA LTD., CA
[22] 2022-02-28
[41] 2022-08-26
[30] CN (202110222901.5) 2021-02-26

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[21] **3,150,984**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A61K 36/185 (2006.01)**
[25] FR
[54] **COMPOSITION COMPRISING AT LEAST ONE NATURAL OR SYNTHETIC NON-PSYCHOACTIVE CANNABINOID AND ITS MANUFACTURING PROCESS**
[54] **COMPOSITION COMPRENANT AU MOINS UN CANNABINOIDE NON-EUPHORISANT NATUREL OU SYNTHETIQUE ET SON PROCEDE DE FABRICATION**
[72] LOIRA-PASTORIZA, CRISTINA, BE
[72] PRIAN, MAYELI, BE
[72] PRIEM, FABIAN, BE
[72] DIERCKXSENS, YVAN, BE
[71] ELEONOR, BE
[71] TILMAN, BE
[22] 2022-02-24
[41] 2022-08-26
[30] BE (BE2021/5139) 2021-02-26

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[25] EN
[54] **EMERGENCY LIGHTING CONTROL BYPASS**
[54] **DERIVATION DE COMMANDE D'ECLAIRAGE DE SECOURS**
[72] GERSHOWITZ, MICHAEL N., US
[72] LEUNG, SAMUEL, US
[71] BUILDING ROBOTICS, INC., US
[22] 2022-02-24
[41] 2022-08-26
[30] US (17/186799) 2021-02-26

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[51] **Int.Cl. C23F 11/18 (2006.01) C03C 25/42 (2006.01) C09D 5/08 (2006.01) C23F 11/12 (2006.01) C03C 13/06 (2006.01)**
[25] EN
[54] **ANTICORROSIVE COMPOSITION**
[54] **COMPOSITION ANTICORROSION**
[72] HAMZA, OSAMA, DK
[72] MATTSSON, RIKKE, DK
[72] PAULSEN, ANDREAS LUNDTANG, DK
[72] HANSEN, MIKKEL OSTERGAARD, DK
[71] ROCKWOOL INTERNATIONAL A/S, DK
[22] 2022-03-24
[41] 2022-08-24
[30] EP (21164922.3) 2021-03-25

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[25] EN
[54] **ALFALFA VARIETY AFX174085**
[54] **VARIETE DE LUZERNE CULTIVEE AFX174085**
[72] WAGNER, STEVEN, US
[71] AGRIGENETICS, INC., US
[22] 2022-05-25
[41] 2022-08-25
[30] US (17/449,510) 2021-09-30

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[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ALFALFA VARIETY AFX154012**
[54] **VARIETE DE LUZERNE CULTIVEE AFX154012**
[72] DARLING, MARK E., US
[71] AGRIGENETICS, INC., US
[22] 2022-05-25
[41] 2022-08-25
[30] US (17/645,771) 2021-12-23

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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **ALFALFA VARIETY AFX164030**
[54] **VARIETE DE LUZERNE CULTIVEE AFX164030**
[72] DARLING, MARK E., SU
[71] AGRIGENETICS, INC., US
[22] 2022-05-25
[41] 2022-08-25
[30] US (17/645,774) 2021-12-23

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[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (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)**
[25] EN
[54] **ALFALFA VARIETY AFX164018**
[54] **VARIETE DE LUZERNE CULTIVEE AFX164018**
[72] DARLING, MARK E., US
[71] AGRIGENETICS, INC., US
[22] 2022-05-25
[41] 2022-08-25
[30] US (17/645,777) 2021-12-23

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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 1PAKH79**
[54] **MAIS AUTOGAME 1PAKH79**
[72] DOLAN, DENNIS JAMES, US
[72] WALCH, MATTHEW DAVID, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22
[30] US (63/219,845) 2021-07-09
[30] US (17/807,403) 2022-06-17

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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 1PGGG27**
[54] **MAIS AUTOGAME 1PGGG27**
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22
[30] US (63/219,846) 2021-07-09
[30] US (17/807,404) 2022-06-17

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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 PH4CTK**
[54] **MAIS AUTOGAME PH4CTK**
[72] FOX, RUSSELL, US
[72] HEFFNER, ELLIOT LEE, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

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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 PH4D4P**
[54] **MAIS AUTOGAME PH4D4P**
[72] FABRIZIUS, MARTIN A., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

[21] **3,165,623**
[13] A1
[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 PH4D62**
[54] **MAIS AUTOGAME PH4D62**
[72] COLEMAN, TRAVIS KORRY, US
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

[21] **3,165,625**
[13] A1
[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 PH4DFV**
[54] **MAIS AUTOGAME PH4DFV**
[72] CHANDLER, MICHAEL ADAM, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

[21] **3,165,627**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 7/00 (2016.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH4DPN**
[54] **MAIS AUTOGAME PH4DPN**
[72] KING, STEVEN PAUL, US
[72] WILLIAM, HARINDRA MANILAL, CA
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

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[13] A1
[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
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-27
[41] 2022-08-22

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[13] A1
[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 1PSSB90**
[54] **MAIS AUTOGAME 1PSSB90**
[72] KING, STEVEN PAUL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2022-06-28
[41] 2022-08-23
[30] US (63/219,847) 2021-07-09
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[51] **Int.Cl. H01L 39/02 (2006.01) H01L 39/22 (2006.01)**
[25] EN
[54] **SUPERCONDUCTING COMPOUND QUANTUM COMPUTING CIRCUIT**
[54] **CIRCUIT DE CALCUL QUANTIQUE COMPOSE SUPRACONDUCTEUR**
[72] NAKAMURA, YASUNOBU, JP
[72] TABUCHI, YUTAKA, JP
[72] TAMATE, SHUHEI, JP
[71] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP
[85] 2021-04-07
[86] 2019-10-31 (PCT/IB2019/059335)
[87] (WO2020/075150)
[30] JP (2018-191287) 2018-10-09

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[13] A1
[51] **Int.Cl. E04H 12/24 (2006.01)**
[25] EN
[54] **COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER**
[54] **TRAVERSE COMPOSITE ET TOUR DE TRANSMISSION D'ENERGIE**
[72] MA, BIN, CN
[72] YU, JIE, CN
[72] HUANG, QING, CN
[71] JIANGSU SHEMAR ELECTRIC CO., LTD., CN
[85] 2021-12-22
[86] 2021-09-28 (PCT/CN2021/121374)
[87] (3143815)
[30] CN (202110206474.1) 2021-02-24

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[13] A1
[51] **Int.Cl. E04H 12/24 (2006.01)**
[25] EN
[54] **COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER**
[54] **TRAVERSE COMPOSITE ET TOUR DE TRANSMISSION D'ENERGIE**
[72] MA, BIN, CN
[72] YU, JIE, CN
[72] HUANG, QING, CN
[71] JIANGSU SHEMAR ELECTRIC CO., LTD., CN
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[86] 2021-10-12 (PCT/CN2021/123301)
[87] (3145346)
[30] CN (2021102063667.9) 2021-02-24

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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 35/76 (2015.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C12N 15/34 (2006.01) C12N 15/50 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **THE USE OF THE AGENT FOR INDUCING SPECIFIC IMMUNITY AGAINST SEVERE ACUTE RESPIRATORY SYNDROME VIRUS SARS-COV-2 IN SUBJECTS ABOVE 60 YEARS OF AGE AND/OR HAVING CHRONIC DISEASES (VARIANTS)**
[54] **UTILISATION DE L'AGENT POUR L'INDUCTION DE L'IMMUNITE SPECIFIQUE CONTRE LE VIRUS DU SYNDROME RESPIRATOIRE AIGU SEVERE (SRAS-COV-2) CHEZ LES SUJETS DE PLUS DE 60 ANS ET/OU ATTEINTS DE MALADIES CHRONIQUES (VARIANTS)**
[72] ZUBKOVA, OLGA VADIMOVNA, RU
[72] OZHAROVSKIAIA, TATIANA ANDREEVNA, RU
[72] DOLZHIKOVA, INNA VADIMOVNA, RU
[72] POPOVA, OLGA, RU
[72] SHCHEBLIAKOV, DIMITRII VIKTOROVICH, RU
[72] GROUSOVA, DARIA MIKHAILOVNA, RU
[72] DZHARULLAEVA, ALINA SHAHMIROVNA, RU
[72] TUKHVATULIN, AMIR ILDAROVICH, RU
[72] ESMAGAMBETOV, ILIAS BULATOVICH, RU
[72] TOKARSKAYA, ELIZAVETA ALEXANDROVNA, RU
[72] BOTIKOV, ANDREI GENNADEVICH, RU
[72] EROXOVA, ALINA SERGEEVNA, RU
[72] IZHAEVA, FATIMA MAGOMETOVNA, RU
[72] NIKITENKO, NATALYA ANATOLEVNA, RU
[72] LUBENETS, NADEZHDA LEONIDOVNA, RU
[72] SEMIKHIN, ALEKSANDR SERGEEVICH, RU
[72] NARODITSKY, BORIS SAVELIEVICH, RU
[72] LOGUNOV, DENIS YURYEVICH, RU
[72] GINTSBURG, ALEKSANDR LEONIDOVICH, RU
[72] CHERNETSOV, VLADIMIR ALEKSANDROVICH, RU
[72] KRIUKOV, EVGENII VALDIMIROVICH, RU
[72] BABIRA, VLADIMIR FEDOROVICH, RU
[72] TUKHVATULINA, NATALIA MIKHAILOVNA, RU
[72] SHCHERBININ, DMITRI NIKOLAEVICH, RU
[71] FEDERAL STATE BUDGETARY INSTITUTION "NATIONAL RESEARCH CENTRE FOR EPIDEMIOLOGY AND MICROBIOLOGY NAMED AFTER THE HONORARY ACADEMICIAN N.F. GAMALEYA" OF THE MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION, RU
[85] 2022-04-06
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[87] (3156448)
[30] RU (2021104430) 2021-02-21

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[13] A1
[51] **Int.Cl. F16L 55/12 (2006.01)**
[25] EN
[54] **ISOLATION TOOL AND METHODS OF ISOLATING A SECTION OF PIPE OR A VESSEL**
[54] **OUTIL D'ISOLATION ET METHODES D'ISOLATION D'UNE SECTION DE TUYAU OU DE RECIPIENT**
[72] NABER, DAVID, CA
[72] DHALIWAL, AMANJEET, CA
[72] SKIBA, ALEXANDER, CA
[71] ENREACH HOT TAP SERVICES INC., CA
[85] 2022-05-06
[86] 2021-11-08 (PCT/CA2021/051587)
[87] (3157635)
[30] US (63/111,262) 2020-11-09

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01)**
[25] EN
[54] **METHOD OF TREATING CANCER BY ADMINISTRATION OF AN ANTI-PD-1 OR ANTI-PD-L1 THERAPEUTIC AGENT VIA A LYMPHATIC DELIVERY DEVICE**
[54] **METHODE DE TRAITEMENT DU CANCER PAR L'ADMINISTRATION D'UN AGENT THERAPEUTIQUE ANTI-PD-1 OU ANTI-PD-L1 PAR L'INTERMEDIAIRE D'UN DISPOSITIF D'ADMINISTRATION LYMPHATIQUE**
[72] ROSS, RUSSELL FREDERICK, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2022-05-30
[86] 2020-12-04 (PCT/US2020/063230)
[87] (WO2021/113585)
[30] US (62/944,185) 2019-12-05

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[13] A1
[51] **Int.Cl. A63B 63/00 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **SOCCER TRAINER NET**
[54] **FILET D'ENTRAINEMENT AU FOOTBALL**
[72] HUTH, RICHARD RAYMOND, US
[71] IMPLUS FOOTCARE, LLC, US
[85] 2022-05-30
[86] 2020-12-01 (PCT/US2020/062754)
[87] (WO2021/113269)
[30] US (16/700,136) 2019-12-02

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[13] A1
[51] **Int.Cl. D04H 1/413 (2012.01) D04H 1/435 (2012.01) D04H 1/492 (2012.01) D04H 3/011 (2012.01) D04H 3/11 (2012.01) D04H 1/54 (2012.01) D04H 3/14 (2012.01)**
[25] EN
[54] **NONWOVEN FABRICS COMPRISING POLYLACTIC ACID AND SURFACE-TREATED CALCIUM CARBONATE**
[54] **NON-TISSES COMPRENANT DE L'ACIDE POLYLACTIQUE ET DU CARBONATE DE CALCIUM TRAITE EN SURFACE**
[72] BRUNNER, MARTIN, CH
[72] ROUX, CHRISTOPHE, FR
[72] FREMEAUX, SIMON, FR
[71] OMYA INTERNATIONAL AG, CH
[85] 2022-05-30
[86] 2021-01-12 (PCT/EP2021/050441)
[87] (WO2021/151651)
[30] EP (20154400.4) 2020-01-29

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[13] A1
[51] **Int.Cl. G01G 3/12 (2006.01)**
[25] EN
[54] **LOAD CELL FOR METALLIC SILOS**
[54] **CELLULE DE CHARGE POUR SILOS METALLIQUES**
[72] TROMBINI, LUCA, IT
[71] L.C. SRL, IT
[85] 2022-05-30
[86] 2020-12-17 (PCT/IT2020/050312)
[87] (WO2021/124368)
[30] IT (202019000004663) 2019-12-19

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[13] A1
[51] **Int.Cl. A61B 17/42 (2006.01) A61F 6/00 (2006.01) A61F 6/06 (2006.01) A61F 6/12 (2006.01) A61F 6/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR EVERTING CATHETER FOR IUD DELIVERY AND PLACEMENT IN THE UTERINE CAVITY**
[54] **APPAREIL ET PROCEDE POUR D'EVERSION DE CATHETER PERMETTANT L'ADMINISTRATION ET LA MISE EN PLACE DE DIU DANS LA CAVITE UTERINE**
[72] BACICH, STEVEN R., US
[72] YUREK, MATTHEW THOMAS, US
[72] GREELIS, JACK, US
[72] VIDYARTHI, PIUSH, US
[71] CROSSBAY MEDICAL, INC., US
[85] 2022-05-30
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[87] (WO2021/072261)
[30] US (62/913,160) 2019-10-09

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[13] A1
[51] **Int.Cl. A24B 13/00 (2006.01) A24B 15/16 (2020.01) A24B 15/28 (2006.01) A24B 15/30 (2006.01) A24B 15/38 (2006.01)**
[25] EN
[54] **ORAL PRODUCTS WITH CONTROLLED RELEASE**
[54] **PRODUITS ORAUX A LIBERATION CONTROLEE**
[72] HOLTON, JR. DARRELL EUGENE, US
[72] HUTCHENS, RONALD K., GB
[72] KELLER, CHRISTOPHER, GB
[72] POOLE, THOMAS H., GB
[72] BEESON, DWAYNE WILLIAM, GB
[72] ST. CHARLES, FRANK KELLEY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-05-30
[86] 2020-12-04 (PCT/IB2020/061552)
[87] (WO2021/116868)
[30] US (16/707,064) 2019-12-09

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/17 (2006.01) A61K 38/18 (2006.01) C07K 14/475 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING OSTEOARTHRITIS**
[54] **METHODES DE TRAITEMENT DE L'ARTHROSE**
[72] REDONDO, PALOMA MARTINEZ, US
[72] GUILLEN-GUILLEN, ISABEL, US
[72] IZPISUA BELMONTE, JUAN CARLOS, US
[72] DAVIDSOHN, NOAH, US
[72] CHURCH, GEORGE M., US
[72] GUILLEN GARCIA, PEDRO, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2022-05-30
[86] 2020-12-04 (PCT/US2020/063319)
[87] (WO2021/113642)
[30] US (62/944,027) 2019-12-05

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[13] A1
[51] **Int.Cl. G01F 11/24 (2006.01)**
[25] EN
[54] **A HANDHELD DISPENSER FOR DISPENSING A POWDER**
[54] **DISTRIBUTEUR PORTATIF POUR DISTRIBUER UNE POUDRE**
[72] LOGOTHETIS, CONSTANTINE MICHAEL, GB
[72] ZOLKIEWICZ, ARTUR, GB
[72] BEARD, ALEXANDER, GB
[72] MELIA, JAMES, GB
[71] EZYCORP LIMITED, GB
[85] 2022-05-30
[86] 2020-11-30 (PCT/GB2020/053070)
[87] (WO2021/111115)
[30] GB (1917556.1) 2019-12-02

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[13] A1
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[25] EN
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[54] **PROCEDES DE CRIBLAGE DE COMPOSITIONS A LA RECHERCHE DE CANNABINOIDES**
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[72] BRENNER, RICK, US
[72] MA, JIAN-NONG, US
[71] CCG HOLDING, INC, US
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[54] **VEHICULE DE SERVICE A BASES DE DRONE**
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[72] HERMANSEN, JON, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
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[54] **DEPOT DE FILM MINCE AMELIORE PAR PLASMA A L'AIDE D'UNE INJECTION DE PRECURSEUR LIQUIDE**
[72] SILVA, RAVI, GB
[72] SMITH, CHRISTOPHER TOBY GIBB, GB
[72] ANGUITA, JOSE, GB
[72] DELKOWSKI, MICHAL, GB
[71] UNIVERSITY OF SURREY, GB
[71] AIRBUS DEFENCE AND SPACE GMBH, DE
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[54] **DEVICE FOR SINKING A VERTICAL BOREHOLE**
[54] **DISPOSITIF DE FONCAGE D'UN TROU DE FORAGE VERTICAL**
[72] RENNKAMP, PATRICK, DE
[72] SCHWAB, TILMANN, DE
[72] FEISST, ALBERT, DE
[71] HERRENKNECHT AG, DE
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[25] EN
[54] **METHODS OF CONTROLLING OR PREVENTING INFESTATION OF PLANTS BY A PHYTOPATHOGENIC MICROORGANISM OF THE GENUS MACROPHOMINA SPP**
[54] **PROCEDES DE LUTTE OU DE PREVENTION DE L'INFESTATION DE PLANTES PAR UN MICRO-ORGANISME PHYTOPATHOGENE DU GENRE MACROPHOMINA SPP**
[72] HAMILL, JON, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[54] **PORTE D'AERONEF A VERROU DE BLOCAGE DE SECURITE COMPORTANT UNE BIELLETTE A POLYMERE ELECTROACTIF**
[72] DEVILLEZ, SEBASTIEN, FR
[72] PRICE, NICHOLAS, US
[72] WU, JINGYANG, CN
[72] CHAN, KENRICK, US
[72] TRAN, BAC, VN
[72] MARTINEZ, WILSON, US
[71] LATECOERE, FR
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[25] EN
[54] **EPITOPIC VACCINE FOR AFRICAN SWINE FEVER VIRUS**
[54] **VACCIN EPITOPIQUE CONTRE LE VIRUS DE LA PESTE PORCINE AFRICAINE**
[72] MOISE, LENNY, US
[72] GUTIERREZ, ANDRES, US
[72] MARTIN, WILLIAM, US
[72] DE GROOT, ANNE, US
[71] EPIVAX, INC., US
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[25] EN
[54] **FLUID-COOLED LED-BASED LIGHTING FIXTURE IN CLOSE PROXIMITY GROW SYSTEMS FOR CONTROLLED ENVIRONMENT HORTICULTURE**
[54] **APPAREIL D'ECLAIRAGE A BASE DE DEL REFROIDI PAR FLUIDE DANS DES SYSTEMES DE DEVELOPPEMENT A PROXIMITE IMMEDIATE POUR L'HORTICULTURE A ENVIRONNEMENT CONTROLE**
[72] LYS, IHOR, US
[72] MADERAS, NICHOLAS, US
[71] AGNETIX, INC., US
[85] 2022-06-08
[86] 2020-12-14 (PCT/US2020/064837)
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[25] EN
[54] **CARD FORMING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE FORMATION DE CARTE**
[72] STOPP, GRAYSON, US
[72] CRYSTAL, JEREMY BURTON, US
[71] CRICUT, INC,, US
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[86] 2020-12-11 (PCT/US2020/064540)
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[25] EN
[54] **A PROCESS FOR CONTROLLING OF THE TREATMENT OF WASTE FLUID GENERATED DURING A PETROCHEMICAL PROCESS USING AN INCINERATOR**
[54] **PROCEDE DE COMMANDE DU TRAITEMENT DE FLUIDE RESIDUAIRE GENERE PENDANT UN PROCEDE PETROCHIMIQUE A L'AIDE D'UN INCINERATEUR**
[72] LU, JEN-SHIUNG, TW
[72] KONDO, KEN, JP
[72] TOH, JIAPING, SG
[72] JANSEN, HALBE ANNE, CH
[72] PUDACK, CLAUDIA, CH
[71] SULZER MANAGEMENT AG, CH
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[51] **Int.Cl. A61K 38/46 (2006.01)**
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[54] **BIOMOLECULE FOR TREATMENT OF CORNEAL PATHOLOGIES**
[54] **BIOMOLECULE POUR LE TRAITEMENT DE PATHOLOGIES DE LA CORNEE**
[72] BAZAN, HAYDEE, US
[72] BAZAN, NICOLAS G., US
[72] PHAM, THANG L., US
[72] JUN, BOKKYOO, US
[72] PETASIS, NICOS A., US
[71] BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
[71] UNIVERSITY OF SOUTHERN CALIFORNIA, US
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[86] 2020-12-09 (PCT/US2020/064042)
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[51] **Int.Cl. H04W 4/38 (2018.01) H04W 4/021 (2018.01) H04W 4/029 (2018.01)**
[25] EN
[54] **CHARACTERIZING LOCALIZED NATURAL AREAS AND INDIVIDUAL EXPOSURE**
[54] **CARACTERISATION DE ZONES D'ELEMENTS NATURELS LOCALISES ET DE L'EXPOSITION D'UN INDIVIDU**
[72] HANLEY, JARED, US
[72] BAILEY, CHRISTOPHER ROBINSON, US
[72] MINSON, CHRISTOPHER TODD, US
[71] NATUREQUANT, LLC, US
[85] 2022-06-08
[86] 2020-12-09 (PCT/US2020/063877)
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[25] EN
[54] **CGRP ANTIGONISTS USEFUL AS TRACER COMPOUNDS FOR POSITRON EMISSION TOMOGRAPHY**
[54] **ANTIGONISTES CGRP UTILES EN TANT QUE COMPOSES TRACEURS POUR LA TOMOGRAPHIE PAR EMISSION DE POSITRONS**
[72] CHAPPELL, MARK DONALD, US
[72] SIEGEL, MILES GOODMAN, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-06-08
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[54] **METHODS AND SYSTEMS FOR DRIVER IDENTIFICATION**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION DE CONDUCTEUR**
[72] MUKHERJEE, BISWAROOP, CA
[72] AGRAWAL, ANISH, CA
[71] BLACKBERRY LIMITED, CA
[85] 2022-06-08
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[54] **MATLESS CUTTING MACHINE AND METHODS**
[54] **MACHINE ET PROCEDES DE COUPE SANS TAPIS**
[72] CRYSTAL, JEREMY BURTON, US
[72] CHRISTENSEN, JOHN, US
[72] KORBULY, MARC, US
[72] BIHLMAIER, BRYAN, US
[72] SUTTON, DONALD, US
[72] CORDSEN, DANIELLE, US
[71] CRICUT, INC,, US
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[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
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[54] **VACCINATION PAR ACIDES NUCLEIQUES AU MOYEN DE CONSTRUCTIONS CODANT POUR DES NEO-EPITOPES**
[72] RONO, BIRGITTE, DK
[72] KRINGELUM, JENS VINDAHL, DK
[72] SORENSEN, ANDERS BUNDGARD, DK
[72] TROLLE, THOMAS, DK
[72] FRIIS, STINE, DK
[71] EVAXION BIOTECH A/S, DK
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[51] **Int.Cl. A47L 11/282 (2006.01)**
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[54] **DISPOSITIF DE NETTOYAGE AUTOMATIQUE**
[72] LI, XING, CN
[72] CHENG, PAN, CN
[72] DUAN, CHUANLIN, CN
[72] YANG, ZHIMIN, CN
[72] PENG, SONG, CN
[71] BEIJING ROBOROCK TECHNOLOGY CO., LTD., CN
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[54] **TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS**
[54] **TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE**
[72] COHEN, JOSHUA, US
[72] KLEE, JUSTIN, US
[71] AMYLYX PHARMACEUTICALS INC., US
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[54] **COMPOSITIONS OF BILE ACIDS AND PHENYLBUTYRATE COMPOUNDS**
[54] **COMPOSITIONS D'ACIDES BILIAIRES ET DE COMPOSES DE PHENYLBUTYRATE**
[72] MA, DAVID WAI FUNG, US
[72] COHEN, JOSHUA, US
[72] KLEE, JUSTIN, US
[71] AMYLYX PHARMACEUTICALS INC., US
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[51] **Int.Cl. A23N 7/00 (2006.01) A23N 7/02 (2006.01)**
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[54] **AN AUTOMATED PEELING SYSTEM**
[54] **SYSTEME DE PELAGE AUTOMATISE**
[72] BRODERICK, MICHAEL, IE
[72] REID, DOUG, IE
[72] MCGLOUGHLIN, JOHN, IE
[71] TOMRA SORTING LIMITED, IE
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[86] 2020-12-16 (PCT/EP2020/086575)
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[51] **Int.Cl. A61N 1/00 (2006.01) A61N 1/04 (2006.01) A61N 1/372 (2006.01)**
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[54] **IMPLANTABLE SELF-CLOSING CUFF**
[54] **MANCHON IMPLANTABLE A FERMETURE AUTOMATIQUE**
[72] GEORGE, VARGHESE K., US
[72] PINA, ISABELL, US
[72] SPEHR, PAUL, US
[72] NELSON, CHARLES GREGORY, US
[71] INCUBE LABS, LLC, US
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[51] **Int.Cl. H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD FOR SYNCHRONIZATION**
[54] **PROCEDE DE SYNCHRONISATION**
[72] ZHANG, NAN, CN
[72] CAO, WEI, CN
[72] DAI, JIANQIANG, CN
[72] YANG, ZHEN, CN
[72] CUI, FANGYU, CN
[71] ZTE CORPORATION, CN
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[51] **Int.Cl. B65D 5/38 (2006.01)**
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[54] **EMBALLAGE A L'EPREUVE DES ENFANTS**
[72] BRUUN, HANNA, FI
[71] ORION CORPORATION, FI
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[30] FI (20196080) 2019-12-13

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[51] **Int.Cl. C12N 15/82 (2006.01)**
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[54] **IMPROVED GENOME EDITING USING PAIRED NICKASES**
[54] **EDITION GENOMIQUE AMELIOREE A L'AIDE DE NICKASES APPARIEES**
[72] D'HALLUIN, KATELIJN, BE
[72] GOLDS, TIMOTHY JAMES, BE
[72] DE VLEESSCHAUWER, DAVID, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
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[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **METHOD FOR UPLINK TRANSMISSION ASSOCIATED WITH ANTENNA PORT AND PANEL SWITCHING**
[54] **PROCEDE DE TRANSMISSION EN LIAISON MONTANTE ASSOCIE A UN PORT D'ANTENNE ET A UNE COMMUTATION DE PANNEAU**
[72] GAO, BO, CN
[72] LU, ZHAOHUA, CN
[72] WU, HAO, CN
[72] JIANG, CHUANGXIN, CN
[72] YAN, WENJUN, CN
[71] ZTE CORPORATION, CN
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[51] **Int.Cl. A61M 37/00 (2006.01) A61B 34/10 (2016.01) A61B 90/00 (2016.01) A61B 17/00 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **TEMPLATE AND METHOD FOR REMOVING A TATTOO THROUGH PATTERNED TRANS-EPIDERMAL PIGMENT RELEASE**
[54] **GABARIT ET PROCEDE DE RETRAIT D'UN TATOUAGE PAR LIBERATION DE PIGMENT TRANSEPIDERMIQUE MODELEE**
[72] TURNER, TIMOTHY N., US
[72] SAVAGE, JACK H., US
[72] WILKEY, JAZZ J. L., US
[72] NIVEN, GREGG D., US
[71] REJUVATEK MEDICAL, INC., US
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[30] US (16/707,865) 2019-12-09
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[54] **GRIPPER FOR A PICKING DEVICE AND METHOD FOR OPERATING THE PICKING DEVICE**
[54] **PREHENSEUR POUR UN DISPOSITIF DE PREPARATION DE COMMANDES ET PROCEDE DE FONCTIONNEMENT DU DISPOSITIF DE PREPARATION DE COMMANDES**
[72] BROKONIER, STEPHAN, DE
[72] SCHMIDT-ELLINGER, HARDY, DE
[72] NELLINGER, BERND, DE
[72] GROSS, DIETMAR, DE
[72] DAUMEN, JOCHEN, DE
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
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[51] **Int.Cl. G01N 3/00 (2006.01)**
[25] EN
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[54] **ANALYSEUR DE COMPACTAGE INTELLIGENT DE RATTRAPAGE**
[72] COMMURI, SESH, US
[71] BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO, US
[85] 2022-06-08
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[87] (WO2021/133680)
[30] US (62/952,944) 2019-12-23

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[51] **Int.Cl. A61B 6/04 (2006.01) A61N 5/10 (2006.01)**
[25] EN
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[54] **SYSTEME D'IRRADIATION PAR RAYONNEMENT**
[72] GONG, QIU-PING, CN
[72] CHEN, WEI-LIN, CN
[71] NEUBORON THERAPY SYSTEM LTD., CN
[85] 2022-06-08
[86] 2020-11-02 (PCT/CN2020/125833)
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[51] **Int.Cl. A61J 1/20 (2006.01) A61M 5/24 (2006.01) A61M 5/31 (2006.01) A61M 5/32 (2006.01) A61M 5/34 (2006.01)**
[25] EN
[54] **PEN NEEDLE APPARATUS**
[54] **APPAREIL STYLO INJECTEUR**
[72] POGANSKI, DAVID, US
[72] GIRGIS, PETER, US
[71] EMBECTA CORP., US
[85] 2022-06-08
[86] 2020-12-07 (PCT/US2020/063528)
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[30] US (62/947,140) 2019-12-12

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[13] A1
[51] **Int.Cl. C09J 5/02 (2006.01) C09D 5/00 (2006.01) C09D 183/00 (2006.01)**
[25] EN
[54] **ADHESION-PROMOTING COMPOSITIONS CONTAINING ORGANIC TITANATES/ZIRCONATES AND METHODS OF USE**
[54] **COMPOSITIONS FAVORISANT L'ADHERENCE CONTENANT DES TITANATES/ZIRCONATES ORGANIQUES ET PROCEDES D'UTILISATION**
[72] LIU, JIANCHENG, US
[72] SRIVATSAN, NAGARAJAN, US
[71] PRC-DESOTO INTERNATIONAL, INC., US
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[30] US (16/721,496) 2019-12-19

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[51] **Int.Cl. G16H 30/40 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DELIVERY OF DIGITAL BIOMARKERS AND GENOMIC PANELS**
[54] **SYSTEMES ET PROCEDES POUR L'ADMINISTRATION DE BIOMARQUEURS NUMERIQUES ET DE PANELS GENOMIQUES**
[72] SUE, JILIAN, US
[72] LOCKE, JASON, US
[72] SCHUEFFLER, PETER, US
[72] KANAN, CHRISTOPHER, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[71] PAIGE.AI, INC., US
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[25] EN
[54] **ANTISENSE GUIDE RNA WITH ADDED FUNCTIONAL REGION FOR EDITING TARGET RNA**
[54] **ARN GUIDE ANTISENS AYANT UNE REGION FONCTIONNELLE AJOUTEE POUR L'EDITION D'ARN CIBLE**
[72] YOSHIMI, EIJI, JP
[72] MORIYA, YUKARI, JP
[72] MANDA, MARIKO, JP
[72] GOTOH, TAKAYASU, JP
[72] ARAI, TAKATOMO, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2022-06-08
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[54] **POWER SYSTEM**
[54] **SYSTEME D'ALIMENTATION**
[72] HUBER, JOHANNES, AT
[72] WALCH, INGO, AT
[71] INNIO JENBACHER GMBH & CO OG, AT
[85] 2022-06-08
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[51] **Int.Cl. A61K 38/46 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **ALKALINE PHOSPHATASE POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES DE PHOSPHATASE ALCALINE ET LEURS PROCEDES D'UTILISATION**
[72] BARANELLO, MICHAEL, US
[72] BOUCHARD, KEITH, US
[72] VOEGTLI, WALTER C., US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2022-06-08
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[51] **Int.Cl. C12N 5/0789 (2010.01) A61P 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR PROMOTING EXPANSION OF HEMATOPOIETIC STEM CELLS AND AGENT FOR USE IN THE METHOD**
[54] **PROCEDE POUR FAVORISER L'EXPANSION DE CELLULES SOUCHES HEMATOPOIETIQUES ET AGENT A UTILISER DANS LE PROCEDE**
[72] JALKANEN, SIRPA, FI
[72] IFTAKHAR-E-KHUDA, IMTIAZ, FI
[71] FARON PHARMACEUTICALS OY, FI
[85] 2022-06-08
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[54] **NOVEL HETEROCYCLIC COMPOUNDS USEFUL AS AURORA A SELECTIVE INHIBITORS**
[54] **NOUVEAUX COMPOSES HETEROCYCLIQUES UTILES EN TANT QU'INHIBITEURS SELECTIFS D'AURORA A**
[72] CHENG, DAI, CN
[72] CHEN, MINGMING, CN
[72] LI, AMIN, CN
[72] LI, HAIJUN, CN
[72] YANG, GUIQUN, CN
[71] JACOBIO PHARMACEUTICALS CO., LTD., CN
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[25] EN
[54] **APPARATUS AND METHOD FOR AUTOMATIC VOLUME CONTROL WITH AMBIENT NOISE COMPENSATION**
[54] **APPAREIL ET PROCEDE DE COMMANDE AUTOMATIQUE DE VOLUME A COMPENSATION DE BRUIT AMBIANT**
[72] MAHADEVA, SWAROOP, IN
[72] KSHEERASAGAR, CHANDRA SHEKAR, IN
[72] PORAL, JEETHENDRA, IN
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-06-08
[86] 2020-12-21 (PCT/US2020/066330)
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[25] EN
[54] **OPTICAL SENSING MODULE**
[54] **MODULE DE DETECTION OPTIQUE**
[72] ZILKIE, AARON JOHN, US
[72] ABEDIASL, HOOMAN, US
[72] DALVI, CRISTIANO, US
[72] DRISCOLL, JEFFREY, US
[72] GONDARENKO, ALEXANDER, US
[72] GROTE, RICHARD, US
[72] JONES, HAYDN FREDERICK, GB
[72] MERRITT, SEAN, US
[72] PARSA, ROOZBEH, US
[72] PEREA, PHILIP, US
[72] RICKMAN, ANDREW GEORGE, GB
[72] SCOFIELD, ADAM, US
[72] YU, GOUMIN, US
[71] ROCKLEY PHOTONICS LIMITED, GB
[85] 2022-06-08
[86] 2020-12-11 (PCT/IB2020/001037)
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[30] US (62/946,860) 2019-12-11
[30] US (63/060,581) 2020-08-03
[30] US (63/081,818) 2020-09-22
[30] US (62/946,929) 2019-12-11
[30] US (62/946,813) 2019-12-11
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[30] US (63/075,645) 2020-09-08
[30] US (63/016,897) 2020-04-28

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[25] EN
[54] **ANTI-C5 ANTIBODY FOR THE TREATMENT OF NEUROMYELITIS OPTICA SPECTRUM DISORDER**
[54] **ANTICORPS ANTI-C5 POUR LE TRAITEMENT DE TROUBLE DU SPECTRE DE LA NEUROMYELITE OPTIQUE**
[72] ALLEN, KERSTIN, US
[72] YOUNTZ, MARCUS, US
[72] ORTIZ, STEPHAN, US
[72] O'BRIEN, FANNY, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2022-06-08
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[54] **CLASSIFICATION OF MICROWAVE LINK DATA**
[54] **CLASSIFICATION DE DONNEES DE LIAISON HYPERFREQUENCE**
[72] SJODIN, MARTIN, SE
[72] HANSRYD, JONAS, SE
[72] HAKANSSON, STEFAN, SE
[72] OLESEN, PATRIK, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[51] **Int.Cl. F28F 9/02 (2006.01) F28F 21/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO PREVENT SPLITTING OR RUPTURE IN FLUID COILS**
[54] **APPAREIL ET PROCEDE PERMETTANT D'EMPECHER LA FISSURATION OU LA RUPTURE DANS DES SERPENTINS DE FLUIDE**
[72] PHAN, LONG, US
[72] SORENSEN, CHRISTIAN, US
[71] COIL MASTER CORPORATION, US
[85] 2022-06-08
[86] 2020-12-15 (PCT/US2020/065031)
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[25] EN
[54] **METAL SALTS AND USES THEREOF**
[54] **SELS METALLIQUES ET LEURS UTILISATIONS**
[72] WALD, STEPHEN, US
[72] MARTINEZ, EDUARDO J., US
[72] STRATFORD, SAMUEL, GB
[72] BUIST, AMANDA, GB
[72] BENSON, JOSEPH, GB
[72] LOUGHREY, JONATHAN, GB
[71] INSPIRNA, INC., US
[85] 2022-06-08
[86] 2020-12-11 (PCT/US2020/064456)
[87] (WO2021/119397)
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[51] **Int.Cl. A01N 37/40 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITION**
[54] **COMPOSITION ANTIMICROBIENNE**
[72] BRENNAN, JAMES JOSEPH, IE
[72] PATTON, THOMAS PATRICK, IE
[72] BARRETT, JOHN REGINALD, IE
[71] ATLANTIC TECHNOLOGICAL UNIVERSITY, IE
[85] 2022-06-08
[86] 2020-12-09 (PCT/EP2020/085372)
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[51] **Int.Cl. F28F 1/40 (2006.01) F28F 13/02 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **INTERNALLY PROFILED TUBES**
[54] **TUBES A PROFIL INTERNE**
[72] FLAHAUT, DOMINIQUE, GB
[72] LEWIS, ROBERT, GB
[71] PARALLOY LIMITED, GB
[85] 2022-06-08
[86] 2020-11-23 (PCT/GB2020/052981)
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[51] **Int.Cl. A61L 27/38 (2006.01) A61L 27/34 (2006.01) A61L 27/48 (2006.01)**
[25] EN
[54] **REINFORCED BIOPOLYMERS**
[54] **BIOPOLYMERES RENFORCES**
[72] BALAJI, GOPALAN V., US
[72] PARSONS, BERNADETTE, US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2022-06-08
[86] 2020-12-11 (PCT/US2020/064561)
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[25] EN
[54] **SOS1 INHIBITORS**
[54] **INHIBITEURS DE SOS1**
[72] MARX, MATTHEW ARNOLD, US
[72] KETCHAM, JOHN MICHAEL, US
[72] SMITH, CHRISTOPHER RONALD, US
[72] LAWSON, JOHN DAVID, US
[72] BURNS, AARON CRAIG, US
[72] WANG, XIAOLUN, US
[72] KULYK, SVITLANA, US
[72] IVETAC, ANTHONY, US
[71] MIRATI THERAPEUTICS, INC., US
[85] 2022-06-08
[86] 2020-12-18 (PCT/US2020/066003)
[87] (WO2021/127429)
[30] US (62/951,812) 2019-12-20
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[25] EN
[54] **ANTIMICROBIAL COMPOSITION**
[54] **COMPOSITION ANTIMICROBIENNE**
[72] BRENNAN, JAMES JOSEPH, IE
[72] PATTON, THOMAS PATRICK, IE
[72] BARRETT, JOHN REGINALD, IE
[71] ATLANTIC TECHNOLOGICAL UNIVERSITY, IE
[85] 2022-06-08
[86] 2020-12-09 (PCT/EP2020/085376)
[87] (WO2021/116228)
[30] GB (1918021.5) 2019-12-09

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[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6855 (2018.01)**
[25] EN
[54] **NGS LIBRARY PREPARATION USING COVALENTLY CLOSED NUCLEIC ACID MOLECULE ENDS**
[54] **PREPARATION DE BIBLIOTHEQUE DE NGS A L'AIDE D'EXTREMITES DE MOLECULES D'ACIDE NUCLEIQUE FERMEES DE MANIERE COVALENTE**
[72] HOGERS, RENE CORNELIS JOSEPHUS, NL
[72] WHITE, STEFAN JOHN, NL
[71] KEYGENE N.V., NL
[85] 2022-06-08
[86] 2020-12-17 (PCT/EP2020/086887)
[87] (WO2021/123062)
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[51] **Int.Cl. F28D 9/04 (2006.01)**
[25] EN
[54] **DEVICE FOR TRANSFERRING HEAT AND/OR MATERIALS**
[54] **DISPOSITIF DE TRANSFERT DE CHALEUR ET/OU DE MATERIAUX**
[72] WEIMER, THOMAS, DE
[71] SPIRALTEC GMBH, DE
[85] 2022-06-08
[86] 2020-12-17 (PCT/EP2020/086871)
[87] (WO2021/123052)
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[51] **Int.Cl. B01J 49/50 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE REMOVAL OF MINERALS FROM CONDUCTIVE PROTONIC FLUIDS**
[54] **SYSTEMES ET PROCEDES POUR L'ELIMINATION DE MINERAUX HORS DE FLUIDES PROTONIQUES CONDUCTEURS**
[72] MATHEW, MELVIN, US
[72] CHAC, GEORGE TUAN LONG, US
[72] BOYKO, MICHAEL CHRISTOPHER, US
[71] DYNAMIC WATER TECHNOLOGIES GLOBAL, LLC, US
[85] 2022-06-08
[86] 2020-12-09 (PCT/IB2020/061712)
[87] (WO2021/116948)
[30] US (16/710,173) 2019-12-11
[30] US (16/999,701) 2020-08-21

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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-CD19 ANTIBODIES AND MULTI-SPECIFIC BINDING PROTEINS**
[54] **ANTICORPS ANTI-CD19 ET PROTEINES DE LIAISON MULTI-SPECIFIQUES**
[72] LI, BOCHONG, US
[72] MEHTA, NAVEEN, US
[72] BELK, JONATHAN, US
[72] SHARKEY, NATHAN, US
[72] LUNDE, BRADLEY M., US
[72] HOUSTON, NGA REWA, US
[72] BAEUERLE, PATRICK A., US
[72] MICHAELSON, JENNIFER, US
[72] PRINZ, BIANKA, US
[71] CULLINAN ONCOLOGY, INC., US
[85] 2022-06-08
[86] 2020-12-11 (PCT/US2020/064706)
[87] (WO2021/119551)
[30] US (62/946,931) 2019-12-11

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[51] **Int.Cl. D06F 39/10 (2006.01)**
[25] EN
[54] **MICROPLASTIC COMPACTOR AND METHOD OF COMPACTING MICROPLASTICS**
[54] **COMPACTEUR DE MICROPLASTIQUES ET PROCEDE DE COMPACTAGE DE MICROPLASTIQUES**
[72] ROOT, ADAM, GB
[72] KETTLE AIERS, REUBEN, GB
[72] RUDDELL, THOMAS, GB
[72] KOKKINOS, NTANI, GB
[71] INHERITING EARTH LIMITED, GB
[85] 2022-06-08
[86] 2020-12-09 (PCT/IB2020/061691)
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[30] GB (1918145.2) 2019-12-10

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[51] **Int.Cl. C08G 77/12 (2006.01) C08G 77/16 (2006.01) C08G 77/20 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **RAPID HYDROSILYLATION CURE COMPOSITION**
[54] **COMPOSITION DE DURCISSEMENT PAR HYDROSILYLATION RAPIDE**
[72] CUMMINGS, MICHELLE, US
[72] MCDONALD, JOEL P., US
[72] SUHR, JASON D., US
[72] TUFT, BRADLEY W., US
[72] CLARK, BRIAN, US
[72] RADEMACHER, RACHEL, US
[71] DOW SILICONES CORPORATION, US
[85] 2022-06-09
[86] 2020-12-02 (PCT/US2020/062788)
[87] (WO2021/118837)
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[51] **Int.Cl. B01J 8/00 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR THE GAS-PHASE POLYMERIZATION**
[54] **APPAREIL ET PROCEDE POUR LA POLYMERISATION EN PHASE GAZEUSE**
[72] PENZO, GIUSEPPE, IT
[72] DORINI, MAURIZIO, IT
[72] RINALDI, RICCARDO, IT
[72] SOFFRITTI, SILVIA, IT
[72] MEI, GIULIA, IT
[71] BASELL POLYOLEFINE GMBH, DE
[85] 2022-06-09
[86] 2020-12-09 (PCT/EP2020/085237)
[87] (WO2021/155977)
[30] EP (19215247.8) 2019-12-11

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[13] A1
[51] **Int.Cl. A01N 25/30 (2006.01)**
[25] EN
[54] **SURFACTANTS FOR AGRICULTURAL PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS AGRICOLES**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC., US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064347)
[87] (WO2021/126668)
[30] US (62/950,391) 2019-12-19

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[13] A1
[51] **Int.Cl. B01J 8/00 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR THE GAS-PHASE POLYMERIZATION**
[54] **APPAREIL ET PROCEDE POUR LA POLYMERISATION EN PHASE GAZEUSE**
[72] MEI, GIULIA, IT
[72] PENZO, GIUSEPPE, IT
[72] RINALDI, RICCARDO, IT
[72] AZZARELLO, EMANUELE, IT
[72] PESARE, ROSARIO, IT
[71] BASELL POLYOLEFIN GMBH, DE
[85] 2022-06-09
[86] 2020-12-09 (PCT/EP2020/085233)
[87] (WO2021/116156)
[30] EP (19215247.8) 2019-12-11

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[51] **Int.Cl. A47B 21/00 (2006.01) A47B 3/00 (2006.01) A47B 9/00 (2006.01) A47B 9/20 (2006.01) A47B 21/02 (2006.01) A47B 21/04 (2006.01)**
[25] EN
[54] **WORK STATION HAVING A MULTI-PURPOSE WORK SURFACE**
[54] **POSTE DE TRAVAIL A SURFACE DE TRAVAIL POLYVALENTE**
[72] KOENIG, DAVID RAYMOND, US
[71] KOENIG, DAVID RAYMOND, US
[85] 2022-06-09
[86] 2020-12-14 (PCT/US2020/064917)
[87] (WO2021/119609)
[30] US (62/947,271) 2019-12-12
[30] US (63/106,111) 2020-10-27

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[51] **Int.Cl. B02C 17/22 (2006.01) B02C 17/18 (2006.01) B02C 21/02 (2006.01) G01B 7/06 (2006.01)**
[25] EN
[54] **MILL SENSOR AND METHOD OF MONITORING A MILL**
[54] **CAPTEUR DE BROYEUR ET PROCEDE DE SURVEILLANCE D'UN BROYEUR**
[72] ATTWOOD, REECE, AU
[72] FAULKNER, CRAIG FRANK, AU
[72] CHEN, WEI, AU
[72] DRINKWATER, BRAD JOHN, AU
[71] BRADKEN RESOURCES PTY LIMITED, AU
[85] 2022-06-09
[86] 2020-12-09 (PCT/AU2020/051349)
[87] (WO2021/113913)
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[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/38 (2012.01)**
[25] FR
[54] **METHOD AND SYSTEM, DEVICE AND PAYMENT TERMINAL USING PERSONAL DATA**
[54] **PROCEDE ET SYSTEME, DISPOSITIF ET TERMINAL DE PAIEMENT UTILISANT DES DONNEES PERSONNELLES**
[72] NACCACHE, DAVID, FR
[72] LEGER, MICHEL, FR
[72] TRICHINA, ELENA, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2022-06-09
[86] 2020-12-11 (PCT/FR2020/052395)
[87] (WO2021/116625)
[30] FR (FR1914352) 2019-12-13

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[51] **Int.Cl. C08C 4/00 (2006.01) C08C 1/04 (2006.01)**
[25] EN
[54] **METHOD FOR SEPARATING POLYISOPRENE AND OTHER APOLAR VALUABLE SUBSTANCES FROM VEGETABLE FEEDSTOCK**
[54] **PROCEDE DE SEPARATION DU POLYISOPRENE ET D'AUTRES MATIERES VALORISABLES APOLAIRES A PARTIR DE MATIERES PREMIERES VEGETALES**
[72] ZOZ, HENNING, DE
[72] BENZ, HANS ULRICH, DE
[72] MULLER, BOJE, DE
[72] PRUFER, DIRK, DE
[72] SCHULZE GRONOVER, CHRISTIAN, DE
[72] BENNINGHAUS, VINCENT, DE
[72] EPPING, JANINA, DE
[71] ZOZ GMBH, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EINGETRAGENER VEREIN, DE
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[25] EN
[54] **RECOMBINANT PEPTIDE-MHC COMPLEX BINDING PROTEINS AND THEIR GENERATION AND USE**
[54] **PROTEINES DE LIAISON DE COMPLEXE PEPTIDE-MHC DE RECOMBINAISON, LEUR PRODUCTION ET LEUR UTILISATION**
[72] LEVITSKY, VICTOR, CH
[72] VENETZ, NATALIA, CH
[72] WALSER, MARCEL, CH
[71] MOLECULAR PARTNERS AG, CH
[85] 2022-06-09
[86] 2020-12-11 (PCT/EP2020/085864)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IDENTIFYING AND MODULATING THROMBOTIC CONDITIONS IN A CANCER PATIENT**
[54] **COMPOSITIONS ET PROCEDES D'IDENTIFICATION ET DE MODULATION D'ETATS THROMBOTIQUES CHEZ UN PATIENT ATTEINT D'UN CANCER**
[72] ZWICKER, JEFFREY I., US
[72] FLAUMENHAFT, ROBERT, US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
[85] 2022-06-09
[86] 2020-12-09 (PCT/US2020/064101)
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[30] US (62/945,482) 2019-12-09

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[25] EN
[54] **RECOMBINANT PEPTIDE-MHC COMPLEX BINDING PROTEINS AND THEIR GENERATION AND USE**
[54] **PROTEINES DE LIAISON DE COMPLEXE PEPTIDE-MHC DE RECOMBINAISON, LEUR PRODUCTION ET LEUR UTILISATION**
[72] LEVITSKY, VICTOR, CH
[72] VENETZ, NATALIA, CH
[72] WALSER, MARCEL, CH
[71] MOLECULAR PARTNERS AG, CH
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[30] EP (19215433.4) 2019-12-11
[30] EP (19215434.2) 2019-12-11
[30] EP (19215435.9) 2019-12-11
[30] EP (19215436.7) 2019-12-11
[30] EP (20161059.9) 2020-03-04
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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 38/51 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING PARKINSON'S DISEASE**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] FORBES, ALEXANDRIA, US
[72] DURING, MATTHEW, US
[71] MEIRAGTX UK II LIMITED, GB
[85] 2022-06-09
[86] 2020-12-14 (PCT/US2020/064928)
[87] (WO2021/119615)
[30] US (62/947,418) 2019-12-12

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[25] EN
[54] **COMPOUND HAVING NEUROPROTECTIVE EFFECT, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE A EFFET NEUROPROTECTEUR, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] XIA, TIAN, CN
[72] JIN, QIU, CN
[72] LIANG, BO, CN
[72] CHEN, HUANMING, CN
[72] LIU, GANG, CN
[72] ZHANG, ZHIJUN, CN
[72] HUA, BO, CN
[71] SHANGHAI ZHIMENG BIOPHARMA, INC., CN
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[86] 2020-12-10 (PCT/CN2020/135289)
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[25] EN
[54] **MEMBRANE DISTILLER AND OPERATION METHOD THEREFORE**
[54] **DISTILLEUR A MEMBRANE ET SON PROCEDE DE FONCTIONNEMENT**
[72] NASLUND, HARALD, SE
[71] NANOSIZED SWEDEN AB, SE
[85] 2022-06-09
[86] 2020-12-09 (PCT/SE2020/051183)
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[30] SE (1951421-5) 2019-12-10

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[51] **Int.Cl. G06F 21/46 (2013.01)**
[25] FR
[54] **TRANSACTION AUTHENTICATION METHOD, SERVER AND SYSTEM USING TWO COMMUNICATION CHANNELS**
[54] **PROCEDE, SERVEUR ET SYSTEME D'AUTHENTIFICATION DE TRANSACTION UTILISANT DEUX CANAUX DE COMMUNICATION**
[72] NACCACHE, DAVID, FR
[72] BEUNARDEAU, MARC, FR
[72] CONNOLLY, AISLING, FR
[72] GERAUD, REMI, FR
[72] KOUDOUSSI, HIBA, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
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[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **DESIGNED ANKYRIN REPEAT DOMAINS WITH ALTERED SURFACE RESIDUES**
[54] **DOMAINES DE REPETITION D'ANKYRINE CONCUS AVEC DES RESIDUS DE SURFACE MODIFIES**
[72] BINZ, KASPAR, CH
[72] SCHILLING, JOHANNES, CH
[72] FORRER, PATRIK, CH
[71] MOLECULAR PARTNERS AG, CH
[85] 2022-06-09
[86] 2020-12-11 (PCT/EP2020/085855)
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[25] EN
[54] **ANIONIC SURFACTANT IMPACT ON VIRUCIDAL EFFICACY**
[54] **IMPACT DE TENSIOACTIF ANIONIQUE SUR L'EFFICACITE VIRUCIDE**
[72] HANSON, CATHERINE, US
[72] LI, JUNZHONG, US
[72] KILLEEN, JONATHAN SCOTT, US
[72] HELLICKSON, LISA A., US
[71] ECOLAB USA INC., US
[85] 2022-06-09
[86] 2020-12-16 (PCT/US2020/065276)
[87] (WO2021/126956)
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[51] **Int.Cl. G16H 40/40 (2018.01)**
[25] EN
[54] **DMS - INTERACTIVE PRODUCT IDENTIFICATION FOR A CALL CENTER**
[54] **IDENTIFICATION DE PRODUIT INTERACTIF DMS POUR UN CENTRE D'APPELS**
[72] VON CAMPENHAUSEN, HARALD, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-06-09
[86] 2020-12-18 (PCT/EP2020/087003)
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[25] EN
[54] **PHOTOCURABLE ADHESION-PROMOTING COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS PHOTODURCISSABLES FAVORISANT L'ADHERENCE ET PROCEDES D'UTILISATION**
[72] LIU, JIANCHENG, US
[72] ZHENG, CHU RAN, US
[72] CHANG, MILLIE, US
[72] SRIVATSAN, NAGARAJAN, US
[71] PRC-DE SOTO INTERNATIONAL, INC., US
[85] 2022-06-09
[86] 2021-01-29 (PCT/US2021/015620)
[87] (WO2021/155092)
[30] US (16/775,524) 2020-01-29

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[51] **Int.Cl. A61K 31/7072 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] TAVAZOIE, MASOUD FAKHR, US
[72] DARST, DAVID M. JR., US
[72] GONSALVES, FOSTER CASIMIR, US
[72] KURTH, ISABEL, US
[71] INSPIRNA, INC., US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064317)
[87] (WO2021/119316)
[30] US (62/946,581) 2019-12-11

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[51] **Int.Cl. A61F 13/15 (2006.01) A61F 13/49 (2006.01) B32B 37/15 (2006.01)**
[25] EN
[54] **ELASTIC DIAPER ELEMENT**
[54] **ELEMENT DE COUCHE ELASTIQUE**
[72] BALDAUF, GEORG, DE
[72] WILLING, CHRISTOPH, DE
[71] RKW SE, DE
[85] 2022-06-09
[86] 2020-08-27 (PCT/EP2020/073933)
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[51] **Int.Cl. B62K 3/00 (2006.01) B62K 5/08 (2006.01) B62K 21/00 (2006.01) B62K 25/04 (2006.01)**
[25] EN
[54] **MOTORISED SCOOTER**
[54] **TROTTINETTE MOTORISEE**
[72] DRAY, ANDREW JOHN, GB
[72] WILLIMAN, JEREMY, GB
[71] D-FLY GROUP LTD, GB
[85] 2022-06-09
[86] 2020-12-09 (PCT/EP2020/085303)
[87] (WO2021/116181)
[30] GB (1918130.4) 2019-12-10

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[51] **Int.Cl. A61K 47/36 (2006.01) A61K 41/00 (2020.01)**
[25] EN
[54] **COMPLEXES COMPRISING A CARBOHYDRATE POLYMER AND AN ACTIVE INGREDIENT AND PROCESSES FOR THEIR PREPARATION**
[54] **COMPLEXES COMPRENANT UN POLYMERE DE GLUCIDE ET UN PRINCIPE ACTIF ET LEURS PROCEDES DE PREPARATION**
[72] POLYAK, FELIX, CA
[72] BOUDOVITCH, DMITRI, CA
[71] FOLIUM LABS INC., CA
[85] 2022-06-09
[86] 2020-12-11 (PCT/CA2020/051713)
[87] (WO2021/113986)
[30] US (62/947,919) 2019-12-13
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[51] **Int.Cl. E21B 10/48 (2006.01) E21B 10/44 (2006.01) E21B 10/60 (2006.01)**
[25] EN
[54] **DRILL BIT**
[54] **TREPAN**
[72] THOMSON, DARREN, AU
[71] THOMSON, DARREN, AU
[85] 2022-06-09
[86] 2020-11-25 (PCT/AU2020/051274)
[87] (WO2021/113900)
[30] AU (2019904675) 2019-12-10

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **USE OF A PCSK9 INHIBITOR TO TREAT HOMOZYGOUS FAMILIAL HYPERCHOLESTEROLEMIA**
[54] **UTILISATION D'UN INHIBITEUR DE PCSK9 POUR TRAITER L'HYPERCHOLESTEROLEMIE FAMILIALE HOMOZYGOTE**
[72] ALI, SHAZIA, US
[72] BACCARA-DINET, MARIE, FR
[72] DONAHUE, STEPHEN, US
[72] HANOTIN, CORINNE, FR
[72] LECORPS, GUILLAUME, FR
[72] PORDY, ROBERT C., US
[71] REGENERON PHARMACEUTICALS, INC., US
[71] SANOFI BIOTECHNOLOGY, FR
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064324)
[87] (WO2021/119321)
[30] US (62/946,268) 2019-12-10
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[51] **Int.Cl. G01N 27/327 (2006.01) A61B 5/145 (2006.01) G01N 33/66 (2006.01)**
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[54] **ANALYTE SENSORS AND SENSING METHODS FEATURING LOW-POTENTIAL DETECTION**
[54] **CAPTEURS D'ANALYTE ET PROCEDES DE DETECTION PERMETTANT UNE DETECTION DE FAIBLE POTENTIEL**
[72] LATOUR, JOHN V., US
[72] MCCANLESS, JONATHAN D., US
[72] OJA, STEPHEN, US
[72] OUYANG, TIANMEI, US
[72] WALLIS, KEVIN PAUL, US
[72] FELDMAN, BENJAMIN J., US
[72] HOSS, UDO, US
[72] QIAN, SUYUE, US
[71] ABBOTT DIABETES CARE, INC., US
[85] 2022-06-09
[86] 2020-12-23 (PCT/US2020/066826)
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[30] US (62/952,558) 2019-12-23

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[51] **Int.Cl. C04B 7/13 (2006.01) C04B 7/24 (2006.01) C04B 7/26 (2006.01) C04B 7/28 (2006.01) C04B 28/04 (2006.01) F27B 19/00 (2006.01) F27D 17/00 (2006.01) F27B 14/20 (2006.01) F27D 3/08 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING CEMENT CLINKER AND A SECOND CALCINED MATERIAL**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE CLINKER DE CIMENT ET D'UN SECOND MATERIAU CALCINE**
[72] WEIHRAUCH, MICHAEL, CH
[72] BUCHER, ERNST, CH
[72] SPULER, ANDREAS, CH
[72] KRUSPAN, PETER, CH
[72] BLUM, RUDY, CH
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2022-06-09
[86] 2020-12-18 (PCT/IB2020/062201)
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[30] EP (19020705.0) 2019-12-18

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[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/444 (2006.01) C07D 401/12 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **COMPOUND AS CYCLIN-DEPENDENT KINASE 9 INHIBITOR AND USE THEREOF**
[54] **COMPOSE UTILE EN TANT QU'INHIBITEUR DE LA KINASE 9 DEPENDANTE DE LA CYCLINE ET SON UTILISATION**
[72] WANG, ZHENYU, CN
[72] ZHANG, YAN, CN
[72] MU, YONGZHAO, CN
[72] GUO, JIANQIAO, CN
[72] AN, HUI, CN
[72] GAO, NA, CN
[72] ZHANG, CHAOZAI, CN
[72] WANG, JIA, CN
[71] CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., CN
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[86] 2020-12-09 (PCT/CN2020/134966)
[87] (WO2021/115335)
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[51] **Int.Cl. G06F 3/00 (2006.01)**
[25] EN
[54] **DYNAMIC CONTROL PANEL INTERFACE MECHANICS FOR REAL-TIME DELIVERY OPERATION MANAGEMENT SYSTEM**
[54] **MECANIQUE D'INTERFACE DE PANNEAU DE COMMANDE DYNAMIQUE POUR SYSTEME DE GESTION D'OPERATION DE LIVRAISON EN TEMPS REEL**
[72] HAYS, JACK ZANTE, US
[71] SHMOODLE INC., US
[85] 2022-06-09
[86] 2020-12-11 (PCT/US2020/064712)
[87] (WO2021/119556)
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[51] **Int.Cl. H02B 1/28 (2006.01) H02B 1/48 (2006.01) H02B 1/50 (2006.01)**
[25] EN
[54] **NODE PEDESTAL**
[54] **CAISSON DE N?UD**
[72] HONSINGER, BRIAN P., US
[71] PPC BROADBAND, INC., US
[85] 2022-06-09
[86] 2020-12-17 (PCT/US2020/065776)
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[25] EN
[54] **PASSIVE MEASUREMENT OF ACOUSTO-ELASTIC WAVES**
[54] **MESURE PASSIVE D'ONDES ACOUSTO-ELASTIQUES**
[72] DRUET, TOM, FR
[72] MESNIL, OLIVIER, FR
[72] CHAPUIS, BASTIEN, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[86] 2020-12-16 (PCT/EP2020/086460)
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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/60 (2020.01)**
[25] EN
[54] **POWER LEVEL INDICATION IN A DEVICE FOR AN ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **INDICATION DE NIVEAU DE PUISSANCE DANS UN DISPOSITIF DESTINE A UN SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] NELSON, DAVID ALAN, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2022-06-09
[86] 2020-12-10 (PCT/GB2020/053168)
[87] (WO2021/116687)
[30] GB (1918091.8) 2019-12-10

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[51] **Int.Cl. B29C 70/54 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A WIND TURBINE BLADE AND AN APPARATUS FOR MANUFACTURING A WIND TURBINE BLADE**
[54] **METHODE DE FABRICATION D'UNE PALE D'EOLIENNE ET APPAREIL POUR FABRIQUER UNE PALE D'EOLIENNE**
[72] FISH, HARRY, GB
[71] BLADE DYNAMICS LIMITED, GB
[85] 2022-06-09
[86] 2020-12-10 (PCT/EP2020/085498)
[87] (WO2021/116278)
[30] GB (1918080.1) 2019-12-10

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[51] **Int.Cl. C08K 9/04 (2006.01) C08K 3/34 (2006.01) C08L 67/02 (2006.01)**
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[54] **BIODEGRADABLE AND COMPOSTABLE COMPOSITION**
[54] **COMPOSITION BIODEGRADABLE ET COMPOSTABLE**
[72] ROSEN, AKE, SE
[71] GAIA HOLDING AB, SE
[85] 2022-06-09
[86] 2020-12-16 (PCT/EP2020/086497)
[87] (WO2021/122798)
[30] EP (19218674.0) 2019-12-20

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[51] **Int.Cl. E03C 1/322 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR THE INSTALLATION AND MOUNTING OF A WASHBASIN**
[54] **AGENCEMENT POUR L'INSTALLATION ET LE MONTAGE D'UN LAVABO**
[72] RATHAMMER, ANDRE, AT
[71] FECHTER, HARALD, AT
[71] RATHAMMER, ANDRE, AT
[85] 2022-06-09
[86] 2020-12-07 (PCT/EP2020/084864)
[87] (WO2021/116012)
[30] AT (A51080/2019) 2019-12-10

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[51] **Int.Cl. A61H 23/02 (2006.01) G06F 3/0354 (2013.01) A61B 5/00 (2006.01) A61F 2/76 (2006.01) A61F 7/03 (2006.01) A61H 1/00 (2006.01) G06F 3/01 (2006.01)**
[25] EN
[54] **SUPPORTING DEVICE FOR SUPPORTING A BODY PART OF A USER**
[54] **DISPOSITIF DE SUPPORT POUR SUPPORTER UNE PARTIE DU CORPS D'UN UTILISATEUR**
[72] HENZLER, JENS, DE
[72] GUTTLER, INGO, DE
[72] HOFMANN, OLIVER, DE
[71] CO12 GMBH, DE
[85] 2022-06-09
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[51] **Int.Cl. B65G 1/00 (2006.01) B65G 47/24 (2006.01)**
[25] EN
[54] **CASE REORIENTATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE REORIENTATION DE BOITIER**
[72] MORENCY, SYLVAIN-PAUL, CA
[72] HAMILTON, TREVOR, CA
[72] DEMERS, UGO, CA
[71] SYMBOTIC CANADA, ULC, CA
[85] 2022-06-09
[86] 2020-12-11 (PCT/CA2020/051714)
[87] (WO2021/113987)
[30] US (62/946,763) 2019-12-11
[30] US (17/118,475) 2020-12-10

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[51] **Int.Cl. B23Q 3/06 (2006.01) B23Q 3/154 (2006.01) B24B 31/00 (2006.01) B24B 41/06 (2012.01) B25B 1/02 (2006.01) B25B 1/06 (2006.01) B25B 1/20 (2006.01) B25B 5/06 (2006.01) B25B 5/14 (2006.01) B25B 11/00 (2006.01)**
[25] EN
[54] **DEVICE FOR HOLDING IN POSITION A PRODUCT TO BE PROCESSED AND A METHOD**
[54] **DISPOSITIF DE MAINTIEN EN POSITION D'UN PRODUIT A TRAITER ET PROCEDE ASSOCIE**
[72] MINGOT, ROBERTO, IT
[71] MINGOT, ROBERTO, IT
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[30] IT (102019000023859) 2019-12-12

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[25] EN
[54] **BATTERY THERMAL MANAGEMENT MEMBER**
[54] **ELEMENT DE GESTION THERMIQUE DE BATTERIE**
[72] EVANS, OWEN, US
[72] GOULD, GEORGE, US
[72] DEKRAFFT, KATHRYN, US
[72] MIHALCIK, DAVID, US
[72] BAUR, DAVID, US
[71] ASPEN AEROGELS INC., US
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[87] (WO2021/142169)
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[30] US (63/056,527) 2020-07-24
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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 38/20 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY USING AN IL-2 RECEPTOR AGONIST AND AN IMMUNE CHECKPOINT INHIBITOR**
[54] **THERAPIE COMBINATOIRE ASSOCIANT UN AGONISTE DE RECEPTEUR DE L'IL-2 ET UN INHIBITEUR DE POINT DE CONTROLE IMMUNITAIRE**
[72] WALKEY, CARL, US
[72] DRACHMAN, JONATHAN, US
[72] ULGE, UMUT, US
[72] SILVA MANZANO, DANIEL ADRIANO, US
[71] NEOLEUKIN THERAPEUTICS, INC., US
[85] 2022-06-09
[86] 2020-11-09 (PCT/US2020/059674)
[87] (WO2021/133476)
[30] US (62/953,362) 2019-12-24
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[51] **Int.Cl. A61B 17/34 (2006.01) A61F 2/12 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **IMPLANT DELIVERY DEVICE WITH BIOFILM PROTECTION SHIELD**
[54] **DISPOSITIF DE POSE D'IMPLANT DOTE D'UN ECRAN DE PROTECTION CONTRE LES BIOFILMS**
[72] BRESNICK, STEPHEN DAVID, US
[71] BRESNICK, STEPHEN DAVID, US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064366)
[87] (WO2021/119352)
[30] US (62/946,376) 2019-12-10
[30] US (63/066,760) 2020-08-17

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[51] **Int.Cl. A61K 35/761 (2015.01) C07K 14/075 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE VIRUS ADENO-ASSOCIES ET LEURS PROCEDES D'UTILISATION**
[72] DOLLIVE, SERENA NICOLE, US
[71] HOMOLOGY MEDICINES, INC., US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064214)
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[30] US (62/946,164) 2019-12-10

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[51] **Int.Cl. B01J 4/00 (2006.01) B01J 8/04 (2006.01) C07C 29/151 (2006.01) C07C 29/152 (2006.01)**
[25] EN
[54] **SYSTEM FOR METHANOL PRODUCTION FROM A SYNTHESIS GAS RICH IN HYDROGEN AND CO2/CO**
[54] **SYSTEME DE PRODUCTION DE METHANOL A PARTIR D'UN GAZ DE SYNTHESE RICHE EN HYDROGENE ET CO2/CO**
[72] ENCISO RAMOS, LAURA, ES
[72] RODRIGUEZ ALONSO, SARA, ES
[72] LLABRES VEGUILLAS, JAVIER, ES
[71] SENER, INGENIERIA Y SISTEMAS, S.A., ES
[85] 2022-06-09
[86] 2020-12-15 (PCT/EP2020/086306)
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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SUBSTITUTED 7-(PIPERAZIN-1-YL)PYRAZOLO[1,5-A]PYRIMIDINE ANALOGS AS INHIBITORS OF KRAS**
[54] **COMPOSITIONS ET PROCEDES POUR DES ANALOGUES DE 7-(PIPERAZIN-1-YL)PYRAZOLO [1,5-A]PYRIMIDINE SUBSTITUES EN TANT QU'INHIBITEURS DE KRAS**
[72] PAGBA, CYNTHIA V., US
[72] ABEBE, ALEMAYEHU GORFE, US
[72] GILBERTSON, SCOTT R., US
[72] DILSHA, KASUNI, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/38 (2006.01) A61K 31/404 (2006.01)**
[25] EN
[54] **METHODS FOR IMPROVING NEUROLOGICAL DISEASES AND DISORDERS**
[54] **PROCEDES D'ATTENUATION DE MALADIES ET DE TROUBLES NEUROLOGIQUES**
[72] FORD, ANTHONY P., US
[72] VARGAS, GABRIEL, US
[71] CURASEN THERAPEUTICS, INC., US
[85] 2022-06-09
[86] 2020-12-17 (PCT/US2020/065655)
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[30] US (62/950,077) 2019-12-18
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[51] **Int.Cl. H01M 8/06 (2016.01) H01M 8/08 (2016.01) H01M 12/06 (2006.01)**
[25] EN
[54] **ELECTROLYTE ENGINEERING METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES D'INGENIERIE D'ELECTROLYTE**
[72] CRAMPTON, ANDREW, US
[72] STINSON, WILLIAM, US
[72] BENCK, JESSE DANIEL, US
[72] KOVACS, JASON, US
[72] LAYUROVA, MARIYA, US
[72] MCKAY, IAN SALMON, US
[72] RAIL, DIEGO, US
[72] ZUGIC, BRANKO, US
[71] L3 OPEN WATER POWER, INC., US
[85] 2022-06-09
[86] 2021-01-06 (PCT/US2021/012285)
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[51] **Int.Cl. A01G 22/45 (2018.01) A01N 63/30 (2020.01)**
[25] EN
[54] **MICROBE-BASED PRODUCTS FOR ENHANCING GROWTH AND PHYTOCANNABINOID CONTENT OF CANNABIS**
[54] **PRODUITS A BASE DE MICROBES POUR AMELIORER LA CROISSANCE ET LA TENEUR EN PHYTOCANNABINOIDES DU CANNABIS**
[72] ZORNER, PAUL S., US
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[72] IBRAGIMOVA, SAMAL, US
[71] LOCUS AGRICULTURE IP COMPANY, LLC, US
[85] 2022-06-09
[86] 2020-12-17 (PCT/US2020/065594)
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[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/20 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **REACTOR FOR TWO-STAGE LIQUID-SOLID STATE FERMENTATION OF MICROORGANISMS**
[54] **REACTEUR POUR FERMENTATION A L'ETAT LIQUIDE-SOLIDE EN DEUX ETAPES DE MICRO-ORGANISMES**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[71] LOCUS IP COMPANY, LLC, US
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[51] **Int.Cl. C11D 3/16 (2006.01) C11D 1/82 (2006.01) C11D 1/88 (2006.01) C11D 10/04 (2006.01) D06L 1/04 (2006.01) C11D 1/52 (2006.01)**
[25] EN
[54] **SURFACTANTS FOR CLEANING PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS DE NETTOYAGE**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-06-09
[86] 2020-12-11 (PCT/US2020/064684)
[87] (WO2021/126714)
[30] US (62/951,942) 2019-12-20

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[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CREDITING A REWARD TO AN ELECTRONIC WALLET ACCOUNT**
[54] **PROCEDE ET SYSTEME POUR VERSER UNE RECOMPENSE SUR UN COMPTE DE PORTE-MONNAIE ELECTRONIQUE**
[72] SALINAS PLIEGO, GUILLERMO EDUARDO, MX
[71] TODITO PAGOS, S. A. DE C. V., MX
[85] 2022-06-09
[86] 2020-07-08 (PCT/IB2020/056430)
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[51] **Int.Cl. C12P 19/44 (2006.01)**
[25] EN
[54] **IMPROVED METHODS FOR PURIFICATION OF SOPHOROLIPIDS**
[54] **PROCEDES AMELIORES DE PURIFICATION DE SOPHOROLIPIDES**
[72] ALIBEK, KEN, US
[72] FARMER, SEAN, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2022-06-09
[86] 2020-12-18 (PCT/US2020/065855)
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[30] US (62/951,058) 2019-12-20
[30] US (62/993,158) 2020-03-23

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[51] **Int.Cl. C07K 14/75 (2006.01) C07K 1/16 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A FIBRINOGEN PREPARATION**
[54] **PROCEDE DE FABRICATION D'UNE PREPARATION DE FIBRINOGENE**
[72] OTT, VERA, DE
[72] MOLLER, WOLFGANG, DE
[72] MANEG, OLIVER, DE
[71] BIOTEST AG, DE
[85] 2022-06-09
[86] 2020-12-08 (PCT/EP2020/085094)
[87] (WO2021/116110)
[30] EP (19214919.3) 2019-12-10

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[13] A1
[51] **Int.Cl. B60C 23/04 (2006.01) B60W 40/13 (2012.01)**
[25] FR
[54] **METHOD FOR ASCERTAINING THE LOAD APPLIED TO A PNEUMATIC TIRE WHILE ROLLING**
[54] **PROCEDE D'OBTENTION DE LA CHARGE APPLIQUEE A UN PNEUMATIQUE EN ROULAGE**
[72] ALFF, DENIS, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2022-06-09
[86] 2020-12-11 (PCT/FR2020/052383)
[87] (WO2021/136892)
[30] FR (FR1915728) 2019-12-30

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[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01) G06T 3/00 (2006.01)**
[25] FR
[54] **METHOD FOR SEGMENTING AN INPUT IMAGE SHOWING A DOCUMENT CONTAINING STRUCTURED INFORMATION**
[54] **PROCEDE DE SEGMENTATION D'UNE IMAGE D'ENTREE REPRESENTANT UN DOCUMENT COMPORTANT DES INFORMATIONS STRUCTUREES**
[72] ROSTAING, LAURENT, FR
[72] ROUH, ALAIN, FR
[72] CODREANU, CATALIN, FR
[71] CARRUS GAMING, FR
[85] 2022-06-09
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[87] (WO2021/123209)
[30] FR (1914750) 2019-12-18

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[51] **Int.Cl. C07F 7/08 (2006.01) C09D 11/38 (2014.01) C09D 7/63 (2018.01) C09D 5/02 (2006.01) C09J 11/06 (2006.01) C08K 5/17 (2006.01) C08K 5/5415 (2006.01) C08K 5/5455 (2006.01)**
[25] EN
[54] **SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES**
[54] **TENSIOACTIFS POUR ENCRES, PEINTURES ET ADHESIFS**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-06-09
[86] 2020-12-11 (PCT/US2020/064687)
[87] (WO2021/126715)
[30] US (62/950,403) 2019-12-19

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[51] **Int.Cl. C07D 473/34 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF PURINE DERIVATIVES EXHIBITING CDK INHIBITORY ACTIVITY**
[54] **PROCEDE DE PREPARATION DE DERIVES DE PURINE PRESENTANT UNE ACTIVITE INHIBITRICE DE CDK**
[72] SKEAD, BENJAMIN, GB
[72] LONDESBROUGH, DEREK, GB
[72] GILL, CHRIS, GB
[72] HUDSON, ALEX, GB
[71] CYCLACEL LIMITED, GB
[85] 2022-06-09
[86] 2021-01-21 (PCT/GB2021/050134)
[87] (WO2021/148793)
[30] GB (2000901.5) 2020-01-22

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[51] **Int.Cl. D01G 9/08 (2006.01) E04F 21/06 (2006.01)**
[25] FR
[54] **DEVICE FOR PREPARING AN INSULATING PRODUCT MADE FROM WOOL, IN PARTICULAR MINERAL WOOL**
[54] **DISPOSITIF DE PREPARATION D'UN PRODUIT D'ISOLATION A BASE DE LAINE, NOTAMMENT MINERALE**
[72] MICHEL, ALEXIA, FR
[72] LUIS, DAVID, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2022-06-09
[86] 2020-12-18 (PCT/FR2020/052551)
[87] (WO2021/123679)
[30] FR (FR1915097) 2019-12-20

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[13] A1
[51] **Int.Cl. G16H 20/00 (2018.01) G16H 20/10 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR IMPROVING TREATMENT ADHERENCE LEVEL**
[54] **PROCEDE ET SYSTEME D'AMELIORATION DU TRAITEMENT DE NIVEAU DE SUIVI**
[72] FITZPATRICK, TERRENCE, CA
[72] SIMARD, FREDERIC, CA
[71] MEDHELPER INC., CA
[85] 2022-06-09
[86] 2020-12-09 (PCT/CA2020/051696)
[87] (3161389)
[30] US (62/945,845) 2019-12-09

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTIBODIES BINDING TO HLA-A2/MAGE-A4**
[54] **ANTICORPS SE LIANT A HLA-A2/MAGE-A4**
[72] WEINZIERL, TINA, CH
[72] HANISCH, LYDIA JASMIN, CH
[72] BUJOTZEK, ALEXANDER, DE
[72] CARPY GUTIERREZ CIRLOS, ALEJANDRO, DE
[72] KLOSTERMANN, STEFAN, DE
[72] KLEIN, CHRISTIAN, CH
[72] KEISER, SIMON PATRICK, CH
[72] FAUTI, TANJA, CH
[72] MARRER-BERGER, ESTELLE, CH
[72] UMANA, PABLO, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-06-09
[86] 2020-12-17 (PCT/EP2020/086614)
[87] (WO2021/122875)
[30] EP (19217463.9) 2019-12-18

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[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/52 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **CODON-OPTIMIZED CAS9 ENDONUCLEASE ENCODING POLYNUCLEOTIDE**
[54] **POLYNUCLEOTIDE CODANT POUR UNE ENDONUCLEASE CAS9 A CODONS OPTIMISES**
[72] DE VLEESSCHAUWER, DAVID, BE
[72] MEULEWAETER, FRANK, BE
[72] GOLDS, TIMOTHY JAMES, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2022-06-09
[86] 2020-11-30 (PCT/EP2020/083861)
[87] (WO2021/121921)
[30] EP (19216387.1) 2019-12-16

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[13] A1
[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **INITIALIZATION OF PARAMETERS FOR MACHINE-LEARNED TRANSFORMER NEURAL NETWORK ARCHITECTURES**
[54] **INITIALISATION DE PARAMETRES POUR DES ARCHITECTURES DE RESEAU NEURONAL DE TRANSFORMATEUR APPRISES PAR MACHINE**
[72] VOLKOVS, MAKSIMS, CA
[72] HUANG, XIAO SHI, CA
[72] VALLEJO, JUAN FELIPE PEREZ, CA
[71] TD BANK GROUP, INTELLECTUAL PROPERTY OFFICE, CA
[85] 2022-06-09
[86] 2021-02-05 (PCT/CA2021/050130)
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[30] US (62/976,040) 2020-02-13

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[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01)**
[25] EN
[54] **MULTIMODAL BIOMETRIC DEVICE**
[54] **DISPOSITIF BIOMETRIQUE MULTIMODAL**
[72] ARONOFF-SPENCER, ELIAH, US
[72] KALISKY, TOM, US
[72] JOHNSON, DANIEL, US
[72] GRANT, ALEX, US
[72] SAGGESE, STEVE, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-06-09
[86] 2019-12-20 (PCT/US2019/068166)
[87] (WO2020/132645)
[30] US (62/783,156) 2018-12-20

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[13] A1
[51] **Int.Cl. C23F 13/02 (2006.01) G01N 17/02 (2006.01)**
[25] FR
[54] **PH SENSOR DEVICE INTENDED TO BE INSERTED INTO THE GROUND, METHOD FOR MEASURING PH, IN PARTICULAR FOR CATHODIC PROTECTION**
[54] **DISPOSITIF A CAPTEUR DE PH DESTINE A ETRE INSERE DANS LE SOL, PROCEDE DE MESURE DU PH, EN PARTICULIER POUR LA PROTECTION CATHODIQUE**
[72] DEBIEMME-CHOUVY, CATHERINE, FR
[72] FAKHRY, AHMED, FR
[72] FLEURY, ELIZABETH, FR
[71] GRTGAZ, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] SARBONNE UNIVERSITE, FR
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[30] FR (FR1915721) 2019-12-30

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[51] **Int.Cl. F01C 1/344 (2006.01) F01C 21/02 (2006.01) F01C 21/08 (2006.01) F01C 21/10 (2006.01)**
[25] EN
[54] **VANE MOTOR**
[54]
[72] CHOI, WON SEOK, KR
[71] EXDL CO., LTD., KR
[85] 2022-06-09
[86] 2020-06-01 (PCT/KR2020/007092)
[87] (WO2021/125462)
[30] KR (10-2019-0171084) 2019-12-19

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[13] A1
[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **SYRINGE WITH SAFETY MECHANISM**
[54] **SERINGUE AVEC MECANISME DE SECURITE**
[72] YABE, YUKIHIRO, JP
[71] NIPRO CORPORATION, JP
[85] 2022-06-09
[86] 2020-12-09 (PCT/JP2020/045771)
[87] (WO2021/117751)
[30] JP (2019-222815) 2019-12-10
[30] JP (2019-222817) 2019-12-10

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[51] **Int.Cl. H01L 21/60 (2006.01)**
[25] FR
[54] **METHOD FOR BONDING CHIPS TO A SUBSTRATE BY DIRECT BONDING**
[54] **PROCEDE DE COLLAGE DE PUCES A UN SUBSTRAT PAR COLLAGE DIRECT**
[72] FOURNEL, FRANK, FR
[72] SANCHEZ, LOIC, FR
[72] MONTMAYEUL, BRIGITTE, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[86] 2020-12-17 (PCT/EP2020/086664)
[87] (WO2021/122909)
[30] FR (FR1914956) 2019-12-19

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[51] **Int.Cl. G06F 40/00 (2020.01) G06F 40/10 (2020.01) G06F 40/126 (2020.01)**
[25] EN
[54] **UNAMBIGUOUS PHONICS SYSTEM**
[54] **SYSTEME PHONIQUE NON AMBIGU**
[72] SILVERZWEIG, ZACHARY, US
[71] TINYIVY, INC., US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064197)
[87] (WO2021/119246)
[30] US (62/946,834) 2019-12-11

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[13] A1
[51] **Int.Cl. B02C 17/02 (2006.01) B02C 17/06 (2006.01) B02C 17/18 (2006.01) B02C 17/24 (2006.01)**
[25] EN
[54] **ROTATINGLY DRIVABLE GRINDING MEDIA MILL FOR OBTAINING POLYISOPRENE AND/OR OTHER APOLAR MATERIALS**
[54]
[72] ZOZ, HENNING, DE
[72] MULLER, BOJE, DE
[72] PRUFER, DIRK, DE
[72] SCHULZE GRONOVER, CHRISTIAN, DE
[71] ZOZ GMBH, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EINGETRAGENER VEREIN, DE
[85] 2022-06-09
[86] 2020-12-08 (PCT/EP2020/085096)
[87] (WO2021/116111)
[30] DE (10 2019 133 787.9) 2019-12-10

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[51] **Int.Cl. B65D 5/44 (2006.01)**
[25] EN
[54] **FOLDING BOX**
[54] **BOITE PLIANTE**
[72] FISCHHUBER, BERNHARD, AT
[71] DEPOT - PRODUKTIONS- LAGER- & HANDELS GMBH, AT
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[86] 2020-12-09 (PCT/AT2020/060440)
[87] (WO2021/113890)
[30] AT (A 51093/2019) 2019-12-13

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[25] FR
[54] **DOUBLE-LAYER MULTI-STRAND CABLE HAVING IMPROVED ENERGY AT BREAK AND A LOW TANGENT MODULUS**
[54] **CABLE MULTI-TORONS A DEUX COUCHES A ENERGIE A RUPTURE AMELIOREE ET A MODULE TANGENT BAS**
[72] PATAUT, GAEL, FR
[72] BARGUET, HENRI, FR
[72] LAUBY, LUCAS, FR
[72] REIX, OLIVIER, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[87] (WO2021/140288)
[30] FR (FR2000100) 2020-01-07

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[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **AUTOMATICALLY SETTING MODIFICATION TRIGGER EVENTS IN RECORDS OF REMOTE DATABASES TO RECEIVE AUTOMATIC DATA UPDATES**
[54] **REGLAGE AUTOMATIQUE D'EVENEMENTS DECLENCHEURS DE MODIFICATION DANS DES ENREGISTREMENTS DE BASES DE DONNEES A DISTANCE POUR RECEVOIR DES MISES A JOUR AUTOMATIQUES DE DONNEES**
[72] ZHAO, JIANSHI, US
[72] LO, JESSICA, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064177)
[87] (WO2021/119233)
[30] US (16/710,268) 2019-12-11

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[51] **Int.Cl. C09J 183/04 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION D'AGENT D'ETANCHEITE**
[72] ZENG, ZHIPING, CN
[72] GUO, YI, CN
[72] LIU, NANGUO, US
[72] SHEPHARD, NICK, US
[72] WEI, XING, CN
[72] PENG, JIANG, CN
[72] GAO, SONG, CN
[72] TANG, ZHENGMING, CN
[72] CHEN, HONGYU, CN
[71] DOW SILICONES CORPORATION, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[25] EN
[54] **FILAMENT DRYING SYSTEM**
[54] **SYSTEME DE SECHAGE DE FILAMENT**
[72] AZZOPARDI, KEITH, MT
[72] BORG, EDWARD, MT
[71] THOUGHT3D LIMITED, MT
[85] 2022-06-09
[86] 2021-01-12 (PCT/EP2021/050483)
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[30] EP (20152241.4) 2020-01-16

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[51] **Int.Cl. H04N 21/436 (2011.01) H04N 21/4363 (2011.01) H04N 21/439 (2011.01) H04N 21/442 (2011.01)**
[25] EN
[54] **APPARATUS, SYSTEM, METHOD, AND COMPUTER-READABLE RECORDING MEDIUM FOR AUTOMATIC ROUTING OF AN AUDIO OUTPUT**
[54] **APPAREIL, SYSTEME, PROCEDE ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR DE D'ACHEMINEMENT AUTOMATIQUE D'UNE EMISSION AUDIO**
[72] MOORE, JR. RICHARD, US
[72] SUBRAMANYAM, MALLIKA, US
[71] ARRIS ENTERPRISES LLC, US
[85] 2022-06-09
[86] 2020-12-22 (PCT/US2020/066624)
[87] (WO2021/133807)
[30] US (62/954,067) 2019-12-27

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[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/4439 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **MONOBACTAM COMPOUND AND USE THEREOF**
[54]
[72] WU, YUCHUAN, CN
[72] LIU, XIAO, CN
[72] CHEN, XI, CN
[72] HU, YONGHAN, CN
[72] WANG, WENGUI, CN
[72] ZHONG, QIFEI, CN
[72] LI, XIN, CN
[71] EVOPOINT BIOSCIENCES CO., LTD., CN
[85] 2022-06-09
[86] 2020-12-11 (PCT/CN2020/135825)
[87] (WO2021/115444)
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[25] EN
[54] **A COMPOSITE PART AND PRODUCTION METHOD THEREOF**
[54] **PIECE COMPOSITE ET SON PROCEDE DE PRODUCTION**
[72] KILIC, RECEP, TR
[71] POLIN SU PARKLARI VE HAVUZ SISTEMLERI ANONIM SIRKETI, TR
[85] 2022-06-09
[86] 2020-12-31 (PCT/TR2020/051475)
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[30] TR (2019/22911) 2019-12-31

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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/04 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-SERUM ALBUMIN ANTIBODIES**
[54] **ANTICORPS ANTI-ALBUMINE SERIQUE**
[72] BAEUERLE, PATRICK A., US
[72] MICHAELSON, JENNIFER, US
[72] LI, BOCHONG, US
[72] MEHTA, NAVEEN, US
[72] PRINZ, BIANKA, US
[72] LUNDE, BRADLEY M., US
[72] HOUSTON, NGA REWA, US
[71] CULLINAN MANAGEMENT, INC., US
[85] 2022-06-09
[86] 2020-12-11 (PCT/US2020/064672)
[87] (WO2021/119531)
[30] US (62/946,932) 2019-12-11

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[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01)**
[25] EN
[54] **METHOD FOR DEGRADING PERFLUORINATED COMPOUNDS**
[54] **PROCEDE DE DEGRADATION D'UN COMPOSE PERFLUORE**
[72] GU, CHENG, CN
[72] CHEN, ZHANGHAO, CN
[72] LI, CHEN, CN
[71] NANJING UNIVERSITY, CN
[85] 2022-06-09
[86] 2020-12-18 (PCT/CN2020/137429)
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[51] **Int.Cl. B25B 1/24 (2006.01) B25B 1/20 (2006.01) B25B 5/16 (2006.01)**
[25] EN
[54] **CLAMP HEAD ADAPTER**
[54] **ADAPTATEUR DE TETE DE SERRE-JOINT**
[72] WANG, HENRY, US
[71] WANG, HENRY, US
[85] 2022-06-09
[86] 2020-12-04 (PCT/US2020/063256)
[87] (WO2021/118872)
[30] US (16/707,562) 2019-12-09

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[13] A1
[51] **Int.Cl. A61B 18/04 (2006.01) A61B 18/00 (2006.01) A61B 18/18 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL INSTRUMENT AND APPARATUS**
[54] **INSTRUMENT ET APPAREIL ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2022-06-09
[86] 2020-12-15 (PCT/EP2020/086163)
[87] (WO2021/122557)
[30] GB (1918615.4) 2019-12-17

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[51] **Int.Cl. H04L 61/45 (2022.01) G06N 20/00 (2019.01) G06N 3/02 (2006.01) H04L 47/24 (2022.01)**
[25] EN
[54] **INTELLIGENT CONVERSION OF INTERNET DOMAIN NAMES TO VECTOR EMBEDDINGS**
[54] **CONVERSION INTELLIGENTE DE NOMS DE DOMAINE INTERNET EN DES INCORPORATIONS VECTORIELLES**
[72] ARORA, AMIT, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-06-09
[86] 2020-12-10 (PCT/US2020/064171)
[87] (WO2021/119230)
[30] US (16/709,816) 2019-12-10

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[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
[71] METAGENICS, INC., US
[85] 2022-06-09
[86] 2020-12-17 (PCT/US2020/065590)
[87] (WO2021/127164)
[30] US (62/949,227) 2019-12-17

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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CANCER RISK ASSESSMENT USING TISSUE SOUND SPEED AND STIFFNESS**
[54] **PROCEDES ET SYSTEMES D'EVALUATION DU RISQUE DE CANCER EN UTILISANT LA VITESSE DU SON DU TISSU ET LA RIGIDITE**
[72] DURIC, NEBOJSA, US
[72] SAK, MARK, US
[72] LITTRUP, PETER, US
[72] LI, CUIPING, US
[72] ROY, OLIVIER, US
[71] DELPHINUS MEDICAL TECHNOLOGIES, INC, US
[85] 2022-06-10
[86] 2020-12-16 (PCT/US2020/065432)
[87] (WO2021/127056)
[30] US (62/948,993) 2019-12-17
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[51] **Int.Cl. A47K 10/44 (2006.01)**
[25] EN
[54] **A HYGIENE CLOTH DISPENSER WITH A VERTICAL MOTION DRIVE MULTI-CYLINDER CARTRIDGE**
[54] **DISTRIBUTEUR DE LINGES HYGIENIQUES AVEC CARTOUCHE MULTICYLINDRIQUE A ENTRAINEMENT PAR MOUVEMENT VERTICAL**
[72] AYDENIZ, HALIL, TR
[71] ELVAN, ILYAS, TR
[71] AYDENIZ, HALIL, TR
[85] 2022-06-10
[86] 2020-02-26 (PCT/TR2020/050148)
[87] (WO2021/173089)

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/519 (2006.01) A61K 47/38 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **JAK KINASE INHIBITOR PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE D'INHIBITEUR DE JAK KINASE**
[72] XI, HONGLEI, CN
[72] JIANG, QIUDONG, CN
[72] CHEN, HAO, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2022-06-10
[86] 2020-12-22 (PCT/CN2020/138253)
[87] (WO2021/129600)
[30] CN (201911334601.5) 2019-12-23

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[13] A1
[51] **Int.Cl. A23L 33/00 (2016.01) A23D 7/005 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITION AND PROCESS FOR PREPARING IT**
[54] **COMPOSITION NUTRITIONNELLE ET SON PROCEDE DE PREPARATION**
[72] BILLECKE, NILS, BE
[72] WASCHATKO, GUSTAV, BE
[72] GOOSSENS, ELIANE, BE
[71] CARGILL, INCORPORATED, US
[85] 2022-06-10
[86] 2020-11-09 (PCT/US2020/059605)
[87] (WO2021/126407)
[30] EP (19216529.8) 2019-12-16
[30] EP (20151968.3) 2020-01-15
[30] EP (20174111.3) 2020-05-12

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[51] **Int.Cl. F24F 1/14 (2011.01)**
[25] EN
[54] **COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**
[72] VIEIRA, LUIS, CA
[72] KITTLER, RALPH, US
[71] DEHUMIDIFIED AIR SOLUTIONS, INC., CA
[85] 2022-06-10
[86] 2019-12-10 (PCT/IB2019/060634)
[87] (WO2021/116730)

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[51] **Int.Cl. A23D 7/005 (2006.01) A23D 7/01 (2006.01) A23D 9/007 (2006.01) C11B 1/00 (2006.01) C11B 3/16 (2006.01)**
[25] EN
[54] **ISOLATED OLEOSOME COMPOSITION AND PROCESS FOR PREPARING IT**
[54] **COMPOSITION D'OLEOSOMES ISOLES ET SON PROCEDE DE PREPARATION**
[72] BILLECKE, NILS, BE
[72] GOOSSENS, ELIANE, BE
[72] WASCHATKO, GUSTAV, BE
[71] CARGILL, INCORPORATED, US
[85] 2022-06-10
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[87] (WO2021/126408)
[30] EP (19216536.3) 2019-12-16
[30] EP (20151967.5) 2020-01-15
[30] EP (20174113.9) 2020-05-12

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[13] A1
[51] **Int.Cl. G01N 27/72 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A MATERIALS CHARACTERISTIC VALUE OF MAGNETIZABLE METAL BODIES BY MEANS OF A MICROMAGNETIC SENSOR ASSEMBLY, AND CORRESPONDING SENSOR ASSEMBLY**
[54]
[72] THALE, WERNER, DE
[72] HUHN, SEBASTIAN, DE
[71] ROSEN SWISS AG, CH
[85] 2022-06-10
[86] 2020-12-08 (PCT/EP2020/085093)
[87] (WO2021/116109)
[30] DE (10 2019 133 799.2) 2019-12-10

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[51] **Int.Cl. C22B 13/00 (2006.01)**
[25] EN
[54] **ARSENIC REMOVAL FROM LEAD CONCENTRATE BY OZONE TREATMENT AND REVERSE FLOTATION**
[54] **RETRAIT D'ARSENIC D'UN CONCENTRE DE PLOMB PAR TRAITEMENT A L'OZONE ET FLOTTATION INVERSEE**
[72] ZUTTAH, SYLVESTER, US
[71] L'AIR LIQUIDE SOCIETE, ANONYME POUR L'ETUDE ET L'EXPLOTATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2022-06-10
[86] 2020-12-16 (PCT/US2020/065319)
[87] (WO2021/126984)
[30] US (16/716,630) 2019-12-17

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01)**
[25] EN
[54] **MULTI-USE DRUG-DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS A USAGE MULTIPLE**
[72] AGARD, RYAN MICHAEL, US
[72] CLEMENTE, MATTHEW JAMES, US
[72] CICCARELLI, NICHOLAS JOSEPH, US
[72] DAVENPORT, DANIEL SCOTT, US
[72] DEVITT, SHAUN ROBERT, US
[72] KING, ANDREW NATHAN, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-06-10
[86] 2020-12-04 (PCT/US2020/063405)
[87] (WO2021/118888)
[30] US (62/947,836) 2019-12-13

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[13] A1
[51] **Int.Cl. G16C 20/90 (2019.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED LIQUID-HANDLER PROTOCOL**
[54] **PROTOCOLE DE TRAITEMENT DE LIQUIDE MIS EN ?UVRE PAR ORDINATEUR**
[72] DAVIS, MATTHEW S., US
[72] MOSCHELL, RACHEL ELLEN, US
[72] NEI, PETER ROBERT, US
[72] SNIDER, JOHN S., US
[71] BECKMAN COULTER, INC., US
[85] 2022-06-10
[86] 2020-12-16 (PCT/US2020/065363)
[87] (WO2021/127014)
[30] US (62/949,169) 2019-12-17

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[51] **Int.Cl. B60K 11/08 (2006.01)**
[25] EN
[54] **MODULAR AERO DEVICE ACTUATOR AND A MODULAR ACTIVE GRILLE SHUTTER SYSTEM HAVING A REDUCED NUMBER OF VANES**
[54] **ACTIONNEUR DE DISPOSITIF AERONAUTIQUE MODULAIRE ET SYSTEME D'OBTURATEUR A GRILLE ACTIVE MODULAIRE AYANT UN NOMBRE REDUIT D'AUBES**
[72] LINDBERG, BRAENDON R., US
[72] PETERSON, TED E., US
[72] SHINTRE, SOHAN, US
[71] MAGNA EXTERIORS INC., CA
[85] 2022-06-10
[86] 2020-12-23 (PCT/US2020/066803)
[87] (WO2021/133890)
[30] US (62/954,157) 2019-12-27

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[13] A1
[51] **Int.Cl. F17C 5/06 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR FILLING TANKS**
[54] **DISPOSITIF ET UN PROCEDE DE REMPLISSAGE DE RESERVOIRS**
[72] RONY, TOM, FR
[72] FRANCOIS, THIBAUT, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[86] 2020-11-12 (PCT/EP2020/081904)
[87] (WO2021/121802)
[30] FR (FR1914629) 2019-12-17

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[13] A1
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/186 (2014.01) H04N 19/82 (2014.01) H04N 19/14 (2014.01)**
[25] EN
[54] **LOW COMPLEXITY IMAGE FILTER**
[54] **FILTRE D'IMAGE A FAIBLE COMPLEXITE**
[72] STROM, JACOB, SE
[72] ZHANG, ZHI, SE
[72] ANDERSSON, KENNETH, SE
[71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
[85] 2022-06-10
[86] 2020-12-16 (PCT/SE2020/051221)
[87] (WO2021/126061)
[30] US (62/949,204) 2019-12-17

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01) G01N 35/00 (2006.01)**
[25] EN
[54] **THERMO-CYCLER FOR ROBOTIC LIQUID HANDLING SYSTEM**
[54] **THERMOCYCLEUR POUR SYSTEME ROBOTIQUE DE MANIPULATION DE LIQUIDE**
[72] DAVIS, MATTHEW S., US
[72] LU, KRISTINA K., US
[72] MOSCHELL, RACHEL ELLEN, US
[72] NEI, PETER ROBERT, US
[72] SAUERBURGER, MARK F, US
[72] SMITH, ZACHARY M., US
[72] SNIDER, JOHN S., US
[72] SPRINGSTON, JASON L., US
[71] BECKMAN COULTER, INC., US
[85] 2022-06-10
[86] 2020-12-18 (PCT/US2020/065810)
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[30] US (62/951,720) 2019-12-20

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **THERAPEUTIC CELL COMPOSITIONS AND METHODS FOR MANUFACTURE AND USES THEREOF**
[54] **COMPOSITIONS DE CELLULES THERAPEUTIQUES ET PROCEDES DE PRODUCTION ET METHODES D'UTILISATION ASSOCIES**
[72] GETTS, DANIEL, US
[72] WANG, YUXIAO, US
[72] BISARIA, NAMITA, US
[72] AUSTGEN, KATHRYN, US
[72] HARVEY, CAITLYN ANNE MORRISON, US
[72] TAVARES, PATRICK MENDES, US
[71] MYELOID THERAPEUTICS, INC., US
[85] 2022-06-10
[86] 2020-12-11 (PCT/US2020/064686)
[87] (WO2021/119538)
[30] US (62/946,896) 2019-12-11
[30] US (16/826,708) 2020-03-23
[30] US (63/003,617) 2020-04-01
[30] US (63/014,068) 2020-04-22

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[51] **Int.Cl. H01M 4/134 (2010.01) H01M 4/1395 (2010.01)**
[25] EN
[54] **ANODE FOR LITHIUM-ION BATTERY AND METHOD OF FABRICATING SAME**
[54] **ANODE POUR BATTERIE AU LITHIUM-ION ET SON PROCEDE DE FABRICATION**
[72] GUO, ZAIPING, AU
[72] MAO, JIANFENG, AU
[72] WU, JINGXING, AU
[71] SICONA BATTERY TECHNOLOGIES PTY LTD, AU
[85] 2022-06-10
[86] 2020-12-11 (PCT/AU2020/051356)
[87] (WO2021/113919)
[30] AU (2019904719) 2019-12-13

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[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01)**
[25] EN
[54] **OPERATION-CONTROL DEVICE FOR OPERATION AND METHOD FOR CONTROLLING OPERATION OF A DISPERSER AND DISPERSER SYSTEM COMPRISING A DISPERSER AND A COMPUTER PROGRAM PRODUCT**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE FONCTIONNEMENT D'UN DISPERSEUR, ET SYSTEME DE DISPERSEUR COMPRENANT UN DISPERSEUR ET UN PRODUIT PROGRAMME INFORMATIQUE**
[72] BERG, JAN, DE
[72] KONDRING, THOMAS, DE
[72] KIFFER, STEFAN, DE
[72] GERTJE, SERGEJ, DE
[71] BASF COATINGS GMBH, DE
[85] 2022-06-10
[86] 2020-11-30 (PCT/EP2020/083950)
[87] (WO2021/121935)
[30] EP (19217533.9) 2019-12-18

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[13] A1
[51] **Int.Cl. C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC CANINIZED ANTIBODIES FOR TREATING ATOPIC DERMATITIS**
[54] **ANTICORPS BISPECIFIQUES CANINISES POUR LE TRAITEMENT DE LA DERMATITE ATOPIQUE**
[72] MORSEY, MOHAMAD, US
[72] ZHANG, YUANZHENG, US
[72] SAHA, ANASUYA, US
[71] INTERVET INTERNATIONAL B.V., NL
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[72] ERDMAN, PAUL E., US
[72] FUNG, LEAH M., US
[72] HECHT, DAVID AARON, US
[72] MERCURIO, FRANK, US
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[54] **COMPOSITION PHARMACEUTIQUE POUR TRAITER DES MALADIES PROCTOLOGIQUES (VARIANTES)**
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[54] **SYSTEME DE GESTION D'EAUX PLUVIALES**
[72] FAGERBERG, MORTEN AGENFELD, DK
[72] EMBORG, MICHAEEL, DK
[71] ROCKWOOL A/S, DK
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[54] **COMPOSITION D'OLEOSOMES ISOLES ET SON PROCEDE DE PREPARATION**
[72] CABAS-RODRIGUEZ, LUCIA, BE
[71] CARGILL, INCORPORATED, US
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[54] **SYSTEMES ET PROCEDES DE DETECTION ET D'ELIMINATION D'ARTEFACTS DE SIGNAL DE DEBITMETRIE URINAIRE**
[72] DACKO, ADRIAN G., CA
[72] COLE, DAVID NATHANIEL, CA
[72] MAUNDER, SIMON B., GB
[72] ZHANG, HANCE, CA
[72] DRIVER, CHRISTOPHER, CA
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[54] **COMPOSITION DE PROTEINE DE FUSION IGG:TGF.BETA.RII**
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[72] PERGOLA, CARLO, IT
[72] CANAL, FABIANA, IT
[72] RINALDI, GIANLUCA, IT
[72] GRIESER, KATRIN, DE
[72] WEIGANDT, MARKUS, DE
[72] WINZER, MATTHIAS, DE
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[54] **METHOD AND DEVICE FOR DETERMINING A NUMBER OF COPIES OF A DNA SEQUENCE CONTAINED IN A FLUID**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER LE NOMBRE DE COPIES D'UNE SEQUENCE D'ADN PRESENTES DANS UN FLUIDE**
[72] PODBIEL, DANIEL SEBASTIAN, DE
[71] ROBERT BOSCH GMBH, DE
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[54] **SYSTEME D'ECLAIRAGE POUR AQUARIUM ET PROCEDES**
[72] BRAUERS, THOMAS, US
[72] WALLMEIER, BERND, US
[71] SPECTRUM BRANDS, INC., US
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[54] **PROCEDE AMELIORE DE CULTURE DE LYMPHOCYTES INFILTRANT LES TUMEURS A USAGE THERAPEUTIQUE**
[72] CORDES, ULRIK, DK
[72] FRIESE, CHRISTINA, DK
[72] KIRKETERP-MOLLER, NIKOLAJ, DK
[72] HEEKE, CHRISTINA, DK
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[54] **SYSTEM AND METHOD FOR SEPARATING METHANE AND NITROGEN WITH REDUCED HORSEPOWER DEMANDS**
[54] **SYSTEME ET PROCEDE DE SEPARATION DE METHANE ET D'AZOTE AVEC DES DEMANDES DE PUISSANCE REDUITES**
[72] BUTTS, RAYBURN C., US
[71] BCCK HOLDING COMPANY, US
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[54] **OLIGONUCLEOTIDE ANTISENS CIBLANT LINC00518 POUR LE TRAITEMENT DU MELANOME**
[72] DAVIDSON, IRWIN, FR
[72] GAMBI, GIOVANNI, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
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[54] **CELLULES HOTES ET LEUR UTILISATION POUR PRODUIRE DU RIBITOL ET D'AUTRES MONOSACCHARIDES**
[72] SCHAFER, ASTRID, CH
[72] CHANG, YIMING, CH
[72] MALCA, SUMIRE HONDA, CH
[71] EVOLVA SA, CH
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[54] **METHODS OF TREATING IGA NEPHROPATHY WITH ATRASENTAN**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE BERGER AVEC DE L'ATRASENTAN**
[72] FROHLICH, PHILIP THOMAS, US
[72] KING, ANDREW JAMES, US
[72] RAMACHANDRAN, CHIDAMBARAM, US
[72] NOONBERG, SARAH BETH, US
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[54] **MICROSCOPE ROBOTIQUE ET SA COMMANDE**
[72] VILSMEIER, STEFAN, DE
[72] FLOSSMANN, SVEN, DE
[71] BRAINLAB AG, DE
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[54] **SYSTEMS, METHODS, AND APPARATUS FOR CREATING AN ENCLOSURE, A REGULATED ATMOSPHERE, AND FUNCTIONAL TREATMENTS FOR PERISHABLE PRODUCTS**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR CREER UNE ENCEINTE, UNE ATMOSPHERE REGULEE ET DES TRAITEMENTS FONCTIONNELS POUR PRODUITS PERISSABLES**
[72] BOWDEN, R. CRAIG, US
[72] DOAN, DUNG, US
[72] WILLIAMS, JOHN, US
[72] HERDEMAN, ROBERT, US
[71] RLMB GROUP, LLC, US
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[54] **TEST UNITAIRE DE COMPOSANTS DE GRAPHES DE FLUX DE DONNEES**
[72] BACH, EDWARD ALAN, US
[72] ABAYA, VICTOR, US
[72] EADS, MATTHEW, US
[72] OFFNER, CARL, US
[72] ZINNO, MATTHEW, US
[71] AB INITIO TECHNOLOGY LLC, US
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[54] **CONVERTISSEUR DE TAILLE DE POINT A CONICITE VERTICALE ET SON PROCEDE DE FABRICATION**
[72] SALEHZADEH EINABAD, OMID, CA
[72] ELLIOTT, CHRISTINA, CA
[72] RIOUX, BRIAN, CA
[72] SABOURIN, NICAULUS, CA
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[54] **DOWNHOLE TOOL AND METHODS**
[54] **OUTIL DE FOND DE TROU ET PROCEDES**
[72] MORGAN, MIKE, GB
[71] SUBSEA ENGENUITY LIMITED, GB
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[54] **METHODE D'ACTIVATION DE SURFACE EN NANOPROFONDEUR D'UNE MEMBRANE A BASE DE POLYTETRAFLUORETHYLENE**
[72] LIU, JIANPING, CN
[72] XIANG, XIN, CN
[72] WU, JIANHUA, CN
[72] ZHU, YAWEI, CN
[72] ZHAO, JINGXIN, CN
[72] LI, WENWEI, CN
[72] SHUAI, ZHENGFENG, CN
[72] WU, HONG, CN
[72] WU, JIANPING, CN
[72] ZHAO, FANGLIANG, CN
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[54] **SYSTEME ET PROCEDE DE TRANSMISSION OPTIQUE SECURISEE EN ESPACE LIBRE DANS LE DOMAINE DE L'INFRAROUGE MOYEN**
[72] GRILLOT, FREDERIC, FR
[72] SPITZ, OLIVIER, FR
[71] INSTITUT MINES TELECOM, FR
[71] MIRSENSE, FR
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[54] **MACHINE A LAVER ET PROCEDE DE CONTROLE DE LA MEME**
[72] HAHN, JEONGWON, KR
[72] KIM, JEONGNAM, KR
[72] MOON, KYUNGSHIN, KR
[72] PARK, BYUNGGWON, KR
[72] SON, ROMON, KR
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[72] DUMOULIN, EDOUARD, FR
[71] GREENMADE, FR
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[25] EN
[54] **A METHOD FOR DISTRIBUTING PERSONALISED VIDEO CONTENT ACROSS A NETWORK**
[54] **PROCEDE POUR DISTRIBUER UN CONTENU VIDEO PERSONNALISE SUR UN RESEAU**
[72] LENNON, HELEN, GB
[72] PURCELL, DAMIAN, GB
[72] JONES, KRISTOPHER, GB
[72] NATARAJAN, ARUN, GB
[72] ROBINSON, FRAZER, GB
[71] VML LABS LTD, GB
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[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR ENGINEERED TISSUE CONSTRUCT TRANSPORT AND CONTAINMENT**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR LE TRANSPORT ET LE CONFINEMENT D'UNE CONSTRUCTION TISSULAIRE GENETIQUEMENT MODIFIEE**
[72] SCHUTTE, ROBERT, US
[72] CASHMAN, DUSTIN, US
[72] PRICHARD, HEATHER L., US
[72] MCCALL, JOSH, US
[72] TENTE, WILLIAM E., US
[72] DAHL, SHANNON L. M., US
[72] NIKLASON, LAURA E., US
[71] HUMACYTE, INC., US
[71] SCHUTTE, ROBERT, US
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[71] PRICHARD, HEATHER L., US
[71] MCCALL, JOSH, US
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[71] DAHL, SHANNON L. M., US
[71] NIKLASON, LAURA E., US
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[54] **SONDES D'ANALYSE CHIMIQUE ET PROCEDES ASSOCIES**
[72] TOKER, ROBERT, US
[72] DUNNING, SAMUEL GEORGE, US
[72] HUMPHREY, SIMON M., US
[72] CHILL, SAMUEL T., US
[72] KIM, DONG SUB, US
[72] VANWIE, TALITHA, US
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[54]
[72] SCHULTE, MICHAEL, DE
[71] ROSEN SWISS AG, CH
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[54] **METHODE ET SYSTEME DE CONTROLE DU PASSAGE CONTINU DE LA BASSE TENSION ET DE LA HAUTE TENSION D'UNE EOLIENNE A AIMANT PERMANENT A ENTRAINEMENT DIRECT**
[72] HUANG, YUANYAN, CN
[72] ZHOU, JIE, CN
[72] ZHANG, SHAOHUA, CN
[72] CHEN, XIN, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING ELECTRONIC IMAGES FOR BIOMARKER LOCALIZATION**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'IMAGES ELECTRONIQUES POUR LA LOCALISATION DE BIOMARQUEURS**
[72] DOGDAS, BELMA, US
[72] KANAN, CHRISTOPHER, US
[72] FUCHS, THOMAS, US
[72] GRADY, LEO, US
[71] PAIGE.AI, INC., US
[85] 2022-06-10
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[30] US (62/966,723) 2020-01-28

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[54] **COMPOSITION COMPRISING THROMBIN DERIVED PEPTIDES AND USE THEREOF**
[54] **COMPOSITION COMPRENANT DES PEPTIDES DERIVES DE THROMBINE ET SON UTILISATION**
[72] SCHMIDTCHEN, ARTUR, SE
[72] PUTHIA, MANOJ, SE
[72] PETRUK, GANNA, SE
[71] IN2CURE AB, SE
[85] 2022-06-10
[86] 2020-11-18 (PCT/EP2020/082581)
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[54] **DOCUMENT-ANALYSING TERMINAL AND DOCUMENT-ANALYSING METHOD**
[54] **TERMINAL D'ANALYSE DE DOCUMENT ET PROCEDE D'ANALYSE DE DOCUMENT**
[72] ROSTAING, LAURENT, FR
[72] LE GOUIL, ELISE, FR
[72] ROUH, ALAIN, FR
[71] CARRUS GAMING, FR
[85] 2022-06-10
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[87] (WO2021/116497)
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[25] FR
[54] **METHOD, DEVICE AND COMPUTER PROGRAM PRODUCT FOR DECODING A GAME TICKET**
[54] **PROCEDE, DISPOSITIF ET PRODUIT PROGRAMME D'ORDINATEUR DE DECODAGE D'UN BULLETIN DE JEU**
[72] ROSTAING, LAURENT, FR
[72] LE GOUIL, ELISE, FR
[72] CODREANU, CATALIN, FR
[71] CARRUS GAMING, FR
[85] 2022-06-10
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[25] EN
[54] **MEANS FOR REMOVABLY INSTALLING FINS ON A BOARD FOR USE IN WATER SPORTS**
[54] **MOYEN POUR INSTALLER AMOVIBLE DES DERIVES SUR UNE PLANCHE S'UTILISANT DANS DES SPORTS AQUATIQUES**
[72] MILLAR, RUSSELL JOHN, NZ
[71] MILLAR, RUSSELL JOHN, NZ
[85] 2022-06-10
[86] 2020-12-11 (PCT/NZ2020/050172)
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[54] **MODIFIED CLAMP**
[54] **PINCE MODIFIEE**
[72] SCHUKNECHT, NATHAN, US
[72] ANDERSON, TODD, US
[72] NAGYVARY, JOHN, US
[72] SHARP, JON, US
[72] CISNEROS, ALEX, US
[72] TUNIKI, BHANU, US
[72] CORIO, RONALD, US
[72] LEE, KYUMIN, US
[71] ARRAY TECHNOLOGIES, INC., US
[85] 2022-06-10
[86] 2020-12-12 (PCT/US2020/064715)
[87] (WO2021/119559)
[30] US (62/948,132) 2019-12-13
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[25] EN
[54] **YEAST CELLS AND METHODS FOR PRODUCTION OF E8,E10-DODECADIENYL COENZYME A, CODLEMONE AND DERIVATIVES THEREOF**
[54] **CELLULES DE LEVURE ET PROCEDES DE PRODUCTION D'E8,E10-DODECADIENYL-COENZYME A, DE CODLEMONE ET DE DERIVES DE CELLES-CI**
[72] BORODINA, IRINA, DK
[72] WENNING, LEONIE, DK
[72] HOLKENBRINK, CARINA, DK
[72] LOFSTEDT, CHRISTER, SE
[72] DING, BAOJIAN, SE
[71] BIOPHERO APS, DK
[85] 2022-06-10
[86] 2020-12-18 (PCT/EP2020/086975)
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[25] EN
[54] **ULTRASONIC MIST INHALER**
[54] **INHALATEUR DE BRUME A ULTRASONS**
[72] LAHOUD, IMAD, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
[85] 2022-06-10
[86] 2019-12-15 (PCT/IB2019/060811)
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[51] **Int.Cl. B65C 9/06 (2006.01) B65B 13/02 (2006.01)**
[25] EN
[54] **PACKAGING DEVICE AND PACKAGING METHOD FOR PACKAGING MATERIAL**
[54] **DISPOSITIF D'EMBALLAGE ET PROCEDE D'EMBALLAGE POUR MATERIEL D'EMBALLAGE**
[72] SHIBAO, KENICHI, JP
[72] ISHIZUKA, AKINORI, JP
[72] ASAKURA, NAOKI, JP
[71] OSAKA SEALING PRINTING CO., LTD., JP
[85] 2022-06-10
[86] 2019-12-24 (PCT/JP2019/050606)
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[25] EN
[54] **CYSTINE DIAMIDE ANALOGS FOR CYSTINURIA**
[54] **ANALOGUES DE DIAMIDE DE CYSTINE POUR CYSTINURIE**
[72] HU, LONGQIN, US
[72] ALBANYAN, HAIFA, SA
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[85] 2022-06-10
[86] 2020-12-11 (PCT/US2020/064583)
[87] (WO2021/119475)
[30] US (62/947,799) 2019-12-13

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[13] A1
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[54] **NETWORK TRAFFIC IDENTIFICATION DEVICE**
[54] **DISPOSITIF D'IDENTIFICATION DE TRAFIC DE RESEAU**
[72] NEWELL, GAVAN, AU
[71] REDFIG CONSULTING PTY LTD, AU
[85] 2022-06-10
[86] 2020-12-09 (PCT/AU2020/051339)
[87] (WO2021/113904)
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[25] EN
[54] **NON-INVASIVE SELF-CLEANING SYSTEM AND METHOD THAT ALLOWS THE CONTINUOUS REMOVAL OF SOLID WASTE IN CULTURE PONDS FOR AQUACULTURE**
[54] **SYSTEME ET PROCEDE NON INVASIF DE NETTOYAGE AUTOMATIQUE QUI PERMET L'EXTRACTION CONTINUE DE RESIDUS SOLIDES DANS DES BASSINS D'ELEVAGE AQUACOLE**
[72] VENEGAS CABELLO, PABLO ARTURO, CL
[72] LLANCALEO SANCHEZ, KATHERINE ALEJANDRA, CL
[71] UNIVERSIDAD CATOLICA DE LA SANTISIMA CONCEPCION, CL
[85] 2022-06-10
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[25] EN
[54] **MOUNTING A ROBOTIC ARM IN AN INVERTED POSITION TO SUSPEND AN ELECTRICAL BYPASS**
[54] **MONTAGE D'UN BRAS ROBOTIQUE DANS UNE POSITION INVERSEE PERMETTANT DE SUSPENDRE UNE DERIVATION ELECTRIQUE**
[72] HARVEY, BENJAMIN JAMES, CA
[72] BAKER, JEREMY DENNIS, US
[72] O'CONNELL, DANIEL NEIL, CA
[72] JODOIN, RAYMOND HENRY, CA
[71] QUANTA ASSOCIATES, L.P., US
[85] 2022-06-10
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[25] EN
[54] **MIST INHALER DEVICES**
[54] **DISPOSITIFS D'INHALATION DE BRUME**
[72] LAHOUD, IMAD, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[72] BHATTI, SAJID, AE
[72] MACHOVEC, JEFF, AE
[72] LAMOUREUX, CLEMENT, AE
[71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
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[86] 2020-12-15 (PCT/GB2020/053219)
[87] (WO2021/123753)
[30] IB (PCT/IB2019/060808) 2019-12-15
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[30] IB (PCT/IB2019/060812) 2019-12-15
[30] EP (20168245.7) 2020-04-06
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[54] **METHODS AND SYSTEMS FOR TRANSMITTING INFORMATION**
[54] **PROCEDES ET SYSTEMES DE TRANSMISSION D'INFORMATIONS**
[72] DIESCH, MICHAEL, US
[72] ENNEKING, TIM, US
[72] DIESCH, CHRISTOPHER, US
[71] QUARTER, INC., US
[85] 2022-06-10
[86] 2020-12-14 (PCT/US2020/064934)
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[30] US (62/948,136) 2019-12-13
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[51] **Int.Cl. C12C 12/04 (2006.01) C12F 3/04 (2006.01) C12F 3/06 (2006.01) C12G 3/08 (2006.01)**
[25] EN
[54] **CARBONATED ALCOHOLIC BEVERAGE**
[54] **BOISSON GAZEUSE ALCOOLISEE**
[72] HUIBREGTSE, SUZANNA, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2022-06-10
[86] 2020-11-06 (PCT/EP2020/081315)
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[51] **Int.Cl. A01G 9/12 (2006.01) A01G 9/24 (2006.01) A01G 27/00 (2006.01) A01G 31/00 (2018.01) F24F 3/12 (2006.01)**
[25] EN
[54] **AIR TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE L'AIR**
[72] COWBURN, MITCHELL, CA
[72] ROBERTSON, DYLAN, CA
[72] ZIMMERMAN, TRISTAN, CA
[72] TORY-PRATT, BEN, CA
[71] NEW EARTH SOLUTIONS INC., CA
[85] 2022-06-10
[86] 2020-11-25 (PCT/CA2020/051606)
[87] (WO2021/113956)
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[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING CONTINOUS HIGH VOLTAGE RIDE-THROUGH AND LOW VOLTAGE RIDE-THROUGH OF PERMANENT MAGNET DIRECT-DRIVEN WIND TURBINE**
[54] **PROCEDE ET SYSTEME DE COMMANDE POUR LA TRAVERSEE EN CONTINU D'UNE HAUTE ET D'UNE BASSE TENSION D'UN GROUPE GENERATEUR EOLIEN A ENTRAINEMENT DIRECT A AIMANT PERMANENT**
[72] ZHOU, JIE, CN
[72] HUANG, YUANYAN, CN
[72] QIN, CHENGZHI, CN
[72] ZHANG, SHAOHUA, CN
[72] CHEN, XIN, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2022-06-10
[86] 2020-06-08 (PCT/CN2020/094917)
[87] (WO2021/114589)
[30] CN (201911279792.X) 2019-12-13

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[51] **Int.Cl. B60N 2/12 (2006.01) B60N 2/16 (2006.01) B60N 2/30 (2006.01)**
[25] EN
[54] **SEAT ASSEMBLY WITH RETURN INTERLOCK ELEMENT**
[54] **ENSEMBLE SIEGE DOTE D'ELEMENT DE VERROUILLAGE DE RETOUR**
[72] KAPUSKY, MICHAEL, US
[72] ZIMMERMAN, RONALD A., II, US
[71] MAGNA SEATING INC., CA
[85] 2022-06-10
[86] 2020-12-14 (PCT/US2020/064778)
[87] (WO2021/119576)
[30] US (62/947,734) 2019-12-13

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[51] **Int.Cl. B64C 3/38 (2006.01) B64C 29/00 (2006.01) B64C 37/02 (2006.01) B64C 39/02 (2006.01) B64D 3/00 (2006.01) B64F 1/04 (2006.01) B64F 1/08 (2006.01)**
[25] EN
[54] **FLAT PLATE AIRFOIL PLATFORM VEHICLE**
[54] **VEHICULE A PLATE-FORME A PROFIL AERODYNAMIQUE DE TYPE PLAQUE PLANE**
[72] SUPPES, GALEN J., US
[71] THE SUPPES FAMILY TRUST, US
[85] 2022-06-10
[86] 2021-02-03 (PCT/US2021/016392)
[87] (WO2021/225651)
[30] US (16/783,319) 2020-02-06
[30] US (63/092,151) 2020-10-15
[30] US (PCT/US20/36936) 2020-06-10
[30] US (63/054,273) 2020-07-21
[30] US (63/019,278) 2020-05-02
[30] US (63/016,362) 2020-04-28

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[51] **Int.Cl. B65D 5/74 (2006.01) B65D 77/06 (2006.01)**
[25] EN
[54] **PACKAGING FOR LIQUID PRODUCTS AND A PROCEDURE FOR FILLING THE PACKAGING AND A PROCESS FOR PRODUCING AN INNER BAG FOR THE PACKAGING**
[54] **EMBALLAGE POUR PRODUITS LIQUIDES ET PROCEDE DE REMPLISSAGE DE L'EMBALLAGE ET PROCEDE DE FABRICATION D'UN SAC INTERIEUR POUR L'EMBALLAGE**
[72] NILSSON, LEIF, SE
[72] NILSON, BILLY, SE
[71] RIN-PACK AB, SE
[85] 2022-06-10
[86] 2020-12-16 (PCT/SE2020/051224)
[87] (WO2021/126064)
[30] SE (1930412-0) 2019-12-20
[30] SE (2030278-2) 2020-09-05

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[51] **Int.Cl. B65D 1/00 (2006.01) B65D 5/00 (2006.01) B65D 65/40 (2006.01)**
[25] EN
[54] **FOOD CONTAINER AND PAPER PRODUCT**
[54] **RECIPIENT ALIMENTAIRE ET PRODUIT EN PAPIER**
[72] SATO, TOSHIHIKO, JP
[71] KOJYUNSYA CO., LTD., JP
[71] SATO, TOSHIHIKO, JP
[85] 2022-06-10
[86] 2020-02-17 (PCT/JP2020/005969)
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[51] **Int.Cl. A24F 1/30 (2006.01) A24F 40/05 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **A HOOKAH DEVICE**
[54] **DISPOSITIF DE NARGUILE**
[72] LAHOUD, IMAD, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[72] BHATTI, SAJID, AE
[72] MACHOVEC, JEFF, AE
[72] LAMOUREUX, CLEMENT, AE
[71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
[85] 2022-06-10
[86] 2021-12-15 (PCT/GB2021/053316)
[87] (3161555)
[30] US (17/122,025) 2020-12-15
[30] US (17/220,189) 2021-04-01
[30] GB (2104872.3) 2021-04-06

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[51] **Int.Cl. A61K 33/06 (2006.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 20/24 (2016.01) A23K 50/10 (2016.01) A61K 9/00 (2006.01) A61K 31/14 (2006.01) A61K 47/14 (2017.01) A61P 3/14 (2006.01) C01F 11/00 (2006.01) C07C 215/08 (2006.01)**
[25] EN
[54] **CHOLINE BOLUS COMPOSITIONS FOR RUMINANTS**
[54] **COMPOSITIONS DE BOLUS DE CHOLINE POUR RUMINANTS**
[72] OLSON, MERLE, CA
[71] ALBERTA VETERINARY LABORATORIES LTD., CA
[85] 2022-06-10
[86] 2020-12-11 (PCT/CA2020/051709)
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[25] EN
[54] **HOOKAH DEVICE**
[54] **DISPOSITIF DE NARGUILE**
[72] LAHOUD, IMAD, AE
[72] ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, AE
[72] BHATTI, SAJID, AE
[72] MACHOVEC, JEFF, AE
[72] LAMOUREUX, CLEMENT, AE
[71] SHAHEEN INNOVATIONS HOLDING LIMITED, AE
[85] 2022-06-10
[86] 2021-04-06 (PCT/GB2021/050842)
[87] (WO2021/205158)
[30] EP (20168245.7) 2020-04-06
[30] EP (20168231.7) 2020-04-06
[30] EP (20168938.7) 2020-04-09
[30] US (16/889,667) 2020-06-01
[30] US (17/065,992) 2020-10-08
[30] US (17/122,025) 2020-12-15
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[25] EN
[54] **SYSTEM AND METHOD FOR REMOTELY CALIBRATING A PHASED ARRAY ANTENNA**
[54] **SYSTEME ET PROCEDE D'ETALONNAGE A DISTANCE D'ANTENNE EN RESEAU PHASE**
[72] BELLEMARE, MICHEL, CA
[72] DANESHMAND, SAEED, CA
[72] LAMONTAGNE, GUILLAUME, CA
[71] MACDONALD, DETTWILER AND ASSOCIATES CORPORATION, CA
[85] 2022-06-10
[86] 2020-12-10 (PCT/CA2020/051705)
[87] (WO2021/113979)
[30] US (62/946,109) 2019-12-10

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[51] **Int.Cl. G06T 19/00 (2011.01) G06T 19/20 (2011.01) G06Q 10/06 (2012.01) G06Q 10/10 (2012.01) G06T 7/00 (2017.01) G06T 17/00 (2006.01)**
[25] EN
[54] **3-D RECONSTRUCTION USING AUGMENTED REALITY FRAMEWORKS**
[54] **RECONSTRUCTION 3D A L'AIDE D'INFRASTRUCTURES DE REALITE AUGMENTEE**
[72] UPENDRAN, MANISH, US
[72] CASTILLO, WILLIAM, US
[72] DZITSIUK, JENA, US
[72] ZHOU, YUNWEN, US
[72] THOMAS, MATTHEW, US
[71] HOVER, INC., US
[85] 2022-06-10
[86] 2020-12-11 (PCT/US2020/064650)
[87] (WO2021/119515)
[30] US (62/948,151) 2019-12-13
[30] US (63/123,379) 2020-12-09
[30] US (17/118,370) 2020-12-10

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[51] **Int.Cl. H01R 13/03 (2006.01) H01R 13/523 (2006.01) H01R 13/533 (2006.01)**
[25] EN
[54] **HIGH VOLTAGE CONNECTOR WITH WET CONTACTS**
[54] **CONNECTEUR HAUTE TENSION A CONTACTS HUMIDES**
[72] WINDGASSEN, JAMES RICHARD, US
[72] HACK, HARVEY PAUL, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2022-06-13
[86] 2021-01-26 (PCT/US2021/015083)
[87] (WO2021/173279)
[30] US (16/798,934) 2020-02-24

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[51] **Int.Cl. G08G 1/017 (2006.01)**
[25] EN
[54] **VEHICLE IDENTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION DE VEHICULE**
[72] DEMISSE, DEREJE, US
[72] ROSE, STEVE, US
[71] RIDESHARE DISPLAYS, INC., US
[85] 2022-06-13
[86] 2020-05-22 (PCT/US2020/034357)
[87] (WO2021/118633)
[30] US (16/712,819) 2019-12-12

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[54] **METHOD AND KIT FOR WHOLE GENOME AMPLIFICATION AND ANALYSIS OF TARGET MOLECULES IN A BIOLOGICAL SAMPLE**
[54] **PROCEDE ET KIT POUR L'AMPLIFICATION ET L'ANALYSE DU GENOME ENTIER DE MOLECULES CIBLES DANS UN ECHANTILLON BIOLOGIQUE**
[72] MANARESI, NICOLO, IT
[72] RASPADORI, ANDREA, IT
[72] FERRARINI, ALBERTO, IT
[71] MENARINI SILICON BIOSYSTEMS S.P.A., IT
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[54] **IMMUNOSTIMULATORY COMPOSITION AND USE THEREOF**
[54] **COMPOSITION IMMUNOSTIMULATRICE ET SON UTILISATION**
[72] LI, JIANQIANG, CN
[72] SUN, JIAOJIAO, CN
[72] ZHOU, TONG, CN
[72] REN, SULIN, CN
[72] GU, YUE, CN
[72] WANG, SHIWEI, CN
[72] HUANG, JINGFENG, CN
[72] GE, JUN, CN
[72] HUANG, HONGYING, CN
[71] GRAND THERAVAC LIFE SCIENCE (NANJING) CO., LTD., CN
[85] 2022-06-13
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[54] **TETHERED CONTAINER CLOSURE**
[54] **FERMETURE DE RECIPIENT A ATTACHE**
[72] HANAN, JAY CLARKE, US
[71] NIAGARA BOTTLING, LLC, US
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[30] US (62/948,144) 2019-12-13
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[54] **A LIBRARY OF PREFABRICATED MICROPARTICLES AND PRECURSORS THEREOF**
[54] **BANQUE DE MICROPARTICULES PREFABRIQUEES ET PRECURSEURS ASSOCIES**
[72] ERMANTRAUT, EUGEN, DE
[72] LONCAREVIC, IVAN, DE
[72] STEINMETZER, KATRIN, DE
[72] HUBOLD, STEPHAN, DE
[72] ELLINGER, THOMAS, DE
[72] KLINGER, SUSANNE, DE
[72] LEMUTH, OLIVER, DE
[72] KANITZ, LEA, DE
[71] BLINK AG, DE
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[25] EN
[54] **YARN STORAGE SYSTEM AND METHOD FOR PRODUCING TEXTILES USING SUCH YARN STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE DE FIL ET PROCEDE DE FABRICATION DE TEXTILES UTILISANT LEDIT SYSTEME DE STOCKAGE DE FIL**
[72] SHAMIS, MARTIN, US
[72] MORRIS JR., HARLAN FRANCIS, US
[72] BOWEN JR., ROBERT N., US
[71] ALADDIN MANUFACTURING CORPORATION, US
[85] 2022-06-13
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE ET SON UTILISATION**
[72] GE, JUN, CN
[72] LI, JIANQIANG, CN
[72] SUN, JIAOJIAO, CN
[72] REN, SULIN, CN
[72] ZHOU, TONG, CN
[72] WANG, SHIWEI, CN
[72] WANG, XIAODONG, CN
[72] HUANG, JINGFENG, CN
[72] CHEN, YUE, CN
[71] GRAND THERAVAC LIFE SCIENCE (NANJING) CO., LTD., CN
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[25] EN
[54] **NOVEL AMIDE DERIVATIVE USEFUL AS DIACYLGLYCEROL ACYLTRANSFERASE 2 INHIBITOR, AND USE THEREOF**
[54] **NOUVEAU DERIVE D'AMIDE UTILE EN TANT QU'INHIBITEUR DE LA DIACYLGLYCEROL ACYLTRANSFERASE 2, ET SON UTILISATION**
[72] YOON, SEUNG HYUN, KR
[72] JOO, HYUN WOO, KR
[72] SEO, BO KYUNG, KR
[72] LEE, EUN JIN, KR
[72] JUNG, JIN YOUNG, KR
[72] YOON, SU YOUNG, KR
[72] KWAK, YOUNG SHIN, KR
[72] CHO, WOO YOUNG, KR
[72] JO, MIN MI, KR
[71] LG CHEM, LTD., KR
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[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **IMPLANT FOR TREATING ANEURYSMS**
[54] **IMPLANT POUR TRAITER DES ANEVRISMES**
[72] MONSTADT, HERMANN, DE
[72] HANNES, RALF, DE
[72] HENKES, HANS, DE
[72] TROSKEN, VOLKER, DE
[72] KONTEK, RONALD, DE
[72] HERKLOTZ, DENNIS, DE
[72] GERMEROTH, DENNIS, DE
[71] FEMTOS GMBH, DE
[85] 2022-06-13
[86] 2020-12-15 (PCT/EP2020/086228)
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[30] DE (10 2019 135 748.9) 2019-12-23
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[51] **Int.Cl. F24D 3/14 (2006.01)**
[25] EN
[54] **CONCAVO-CONVEX METAL PLATE AND FLOOR HEATING USING THE SAME**
[54] **PLAQUE DE METAL CONCAVE ET CONVEXE ET SYSTEME DE CHAUFFAGE AU SOL L'UTILISANT**
[72] LEE, HO-YOUNG, KR
[71] LEE, HO-YOUNG, KR
[85] 2022-06-13
[86] 2020-12-14 (PCT/KR2020/018215)
[87] (WO2021/125715)
[30] KR (10-2019-0169115) 2019-12-17
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[51] **Int.Cl. E04H 5/02 (2006.01) A61K 35/545 (2015.01)**
[25] EN
[54] **FACILITY AND IMPLEMENTATION METHOD FOR MANUFACTURING OF ARTICLE USING SAID FACILITY**
[54]
[72] TANAKA, MASANORI, JP
[72] UMEDA, NORIKO, JP
[72] TERAO, NAOKO, JP
[72] WAKIMURA, ATSUKO, JP
[72] ISHIKAWA, TSUYOSHI, JP
[72] MIYAKAWA, NOBU, JP
[71] CUORIPS INC., JP
[85] 2022-06-13
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[25] EN
[54] **EQUIPMENT AND METHOD FOR IDENTIFYING A FAULT IN THE WINDINGS OF A DISTRIBUTION TRANSFORMER**
[54] **APPAREIL ET PROCEDE POUR IDENTIFIER UNE PANNE DANS DES ENROULEMENTS D'UN TRANSFORMATEUR DE DISTRIBUTION**
[72] BARRIENTOS TORRES, JUAN ANGEL, MX
[72] BAHENA DE LEON, BERENICE, MX
[71] PROLEC, S. A. DE C. V., MX
[85] 2022-06-13
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[25] EN
[54] **POLYUREA COATING SYSTEMS AS SEALANTS FOR THE EXTERIOR OF FUEL TANKS**
[54] **SYSTEMES DE REVETEMENT DE POLYUREE UTILISES EN TANT QUE PRODUITS D'ETANCHEITE POUR L'EXTERIEUR DE RESERVOIRS DE CARBURANT**
[72] KRAEMER, MICHAEL, DE
[72] BRUCHERTSEIFER, CHRISTIAN, DE
[72] BONS, PETER, DE
[71] CHEMETALL GMBH, DE
[85] 2022-06-13
[86] 2020-12-18 (PCT/EP2020/086945)
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[51] **Int.Cl. G01N 33/18 (2006.01)**
[25] EN
[54] **CARBON MEASUREMENTS IN AQUEOUS SAMPLES USING OXIDATION AT ELEVATED TEMPERATURES AND PRESSURES CREATED BY RESISTIVE HEATING**
[54] **MESURES DE CARBONE DANS DES ECHANTILLONS AQUEUX A L'AIDE D'UNE OXYDATION A TEMPERATURES ET PRESSIONS ELEVEES CREEES PAR CHAUFFAGE RESISTIF**
[72] KOSENKA, PAUL P., US
[72] VANHOUDT, PAULUS J., US
[71] BL TECHNOLOGIES, INC., US
[85] 2022-06-13
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[51] **Int.Cl. A22C 17/02 (2006.01)**
[25] EN
[54] **A MEAT PROCESSING SYSTEM**
[54] **SYSTEME DE TRANSFORMATION DE LA VIANDE**
[72] CAMPBELL, CLYDE MARK, AU
[71] SCOTT AUTOMATION & ROBOTICS PTY LIMITED, AU
[85] 2022-06-13
[86] 2020-12-15 (PCT/AU2020/051368)
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[51] **Int.Cl. C03C 17/32 (2006.01)**
[25] EN
[54] **GLASS CONTAINER WITH A PROTECTIVE COATING OF ACRYLATE URETHANE POLYMER DEPOSITED ON AN EXTERIOR SURFACE OF THE GLASS CONTAINER; METHOD OF PRODUCING SUCH GLASS CONTAINER AND USE OF SUCH GLASS CONTAINE**
[54] **RECIPIENT EN VERRE PORTANT UN REVETEMENT PROTECTEUR DE POLYMERE D'ACRYLATE-URETHANE DEPOSE SUR UNE SURFACE EXTERIEURE DU RECIPIENT EN VERRE, PROCEDE DE PRODUCTION D'UN TEL RECIPIENT EN VERRE ET UTILISATION D'UN TEL RECIPIENT EN VERR**
[72] VANDECRUYS, JONAS, BE
[72] DE GRAAF, FREDERIK FERNAND S., BE
[72] ESTEBAN TEDEJA, LETICIA, BE
[71] ANHEUSER-BUSCH INBEV S.A., BE
[85] 2022-06-13
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[51] **Int.Cl. A63B 24/00 (2006.01)**
[25] EN
[54] **KIOSK WITH OBJECT IDENTIFICATION, REGISTRATION, AND TRACKING CAPABILITIES WITH LIGHT AND/OR AUDIO GUIDANCE**
[54] **KIOSQUE AYANT DES CAPACITES D'IDENTIFICATION, D'ENREGISTREMENT ET DE SUIVI D'OBJETS AVEC UN GUIDAGE DE LUMIERE ET/OU AUDIO**
[72] HILL, EDWARD L., US
[72] MARTEL, BRIAN, US
[72] WALSH, LIISA, US
[71] POSITION IMAGING, INC., US
[85] 2022-06-13
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[51] **Int.Cl. C07D 239/48 (2006.01) A61P 1/16 (2006.01) A61P 25/16 (2006.01) A61P 31/06 (2006.01) A61P 31/12 (2006.01) C07D 401/04 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **NOVEL PYRIMIDIN DERIVATIVE AND USE THEREOF**
[54] **NOUVEAU DERIVE DE PYRIMIDINE ET UTILISATION CORRESPONDANTE**
[72] KIM, PIL HO, KR
[72] KIM, SEONG HWAN, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[85] 2022-06-13
[86] 2020-12-16 (PCT/KR2020/018478)
[87] (WO2021/125803)
[30] KR (10-2019-0168363) 2019-12-16

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[51] **Int.Cl. A45F 5/02 (2006.01)**
[25] EN
[54] **A COUPLER FOR COUPLING TO AN ARTICLE OF WEAR**
[54] **ELEMENT D'ACCOUPLEMENT S'ACCOUPLANT A UN ARTICLE VESTIMENTAIRE**
[72] GRINNELL, EDWARD, US
[71] AXON ENTERPRISE, INC., US
[85] 2022-06-13
[86] 2020-12-11 (PCT/IB2020/061857)
[87] (WO2021/117011)
[30] US (62/946,941) 2019-12-11

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[51] **Int.Cl. C03C 25/28 (2018.01)**
[25] FR
[54] **METHOD FOR MANUFACTURING INSULATION PRODUCTS BASED ON MINERAL WOOL**
[54] **PROCEDE DE FABRICATION DE PRODUITS D'ISOLATION A BASE DE LAINE MINERALE**
[72] SECK, MAMADOU, FR
[72] DELMEE, MICKAEL, FR
[72] GUYOT, PIERRICK, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2022-06-13
[86] 2021-01-05 (PCT/FR2021/050008)
[87] (WO2021/140295)
[30] FR (FR2000151) 2020-01-09

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[51] **Int.Cl. B28C 7/00 (2006.01) B28C 7/04 (2006.01) B28C 7/06 (2006.01) B65D 88/30 (2006.01) B65G 3/04 (2006.01) B65G 65/40 (2006.01)**
[25] EN
[54] **GRANULAR MATERIALS BOX SYSTEM**
[54] **SYSTEME DE BOITE A MATERIAU GRANULAIRE**
[72] MCCARN, RODNEY DALE, US
[71] MCCARN, RODNEY DALE, US
[85] 2022-06-13
[86] 2020-12-14 (PCT/US2020/064954)
[87] (WO2021/119629)
[30] US (62/947,383) 2019-12-12

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[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01) H04W 56/00 (2009.01) G01S 5/06 (2006.01)**
[25] FR
[54] **LOCATING A TRANSMITTER BY MEANS OF A PLURALITY OF GEOGRAPHICALLY REMOTE RECEIVING STATIONS USING KNOWN OBJECT PATHS**
[54] **LOCALISATION D'UN EMETTEUR AU MOYEN DE PLUSIEURS STATIONS DE RECEPTION GEOGRAPHIQUEMENT DISTANTES EN UTILISANT LES TRAJECTOIRES D'OBJET CONNUS**
[72] GUILLOT, BAPTISTE, FR
[72] PICARD, YANN, FR
[71] SAFRAN DATA SYSTEMS, FR
[85] 2022-06-13
[86] 2020-12-24 (PCT/FR2020/052625)
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[30] FR (FR1915619) 2019-12-26

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[51] **Int.Cl. E04D 13/08 (2006.01)**
[25] EN
[54] **DOWNSPOUT DIVERTER**
[54] **DEFLECTEUR DE TUYAU DE DESCENTE**
[72] NEEB, TIMOTHY HOWARD, CA
[72] ZIMMERMANN, TRISTAN, CA
[71] STORMWELL INC., CA
[85] 2022-06-13
[86] 2020-12-16 (PCT/CA2020/051731)
[87] (WO2021/119815)
[30] US (62/948,855) 2019-12-17

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[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6869 (2018.01) C12Q 1/6883 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **CELL-FREE DNA FRAGMENTATION AND NUCLEASES**
[54] **FRAGMENTATION D'ADN ACELLULAIRE ET NUCLEASES**
[72] LO, YUK-MING DENNIS, CN
[72] CHIU, ROSSA WAI KWUN, CN
[72] HAN, DIANA SIAO CHENG, CN
[72] NI, MENG, CN
[71] THE CHINESE UNIVERSITY OF HONG KONG, CN
[71] GRAIL, INC., US
[85] 2022-06-13
[86] 2020-12-18 (PCT/CN2020/137516)
[87] (WO2021/121368)
[30] US (62/949,867) 2019-12-18
[30] US (62/958,651) 2020-01-08

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[51] **Int.Cl. C07D 215/38 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **CO-CRYSTALS AND SALTS OF 8-CHLORO-N-(4-(TRIFLUOROMETHOXY)PHENYL)QUINOLIN-2-AMINE**
[54] **CO-CRISTAUX ET SELS DE 8-CHLORO-N-(4-(TRIFLUOROMETHOXY)PHENYL)QUINOLINE-2-AMINE**
[72] MENEGOTTO, JEROME, FR
[72] DENIS, JEROME, FR
[71] ABIVAX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] INSTITUT CURIE, FR
[85] 2022-06-13
[86] 2021-01-29 (PCT/EP2021/052165)
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[30] EP (20305090.1) 2020-01-31

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 9/19 (2006.01) A61K 38/13 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF DISPERSIONS COMPRISING INHALABLE IMMUNOSUPPRESSIVE ACTIVE INGREDIENTS**
[54] **PROCEDE DE PREPARATION DE DISPERSIONS COMPRENANT DES PRINCIPES ACTIFS IMMUNOSUPPRESSEURS INHALABLES**
[72] DENK, OLIVER, DE
[71] ZAMBON GROUP S.P.A., IT
[85] 2022-06-13
[86] 2020-12-21 (PCT/EP2020/087471)
[87] (WO2021/130170)
[30] EP (19219340.7) 2019-12-23

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[51] **Int.Cl. A61B 3/113 (2006.01) A61B 5/103 (2006.01)**
[25] EN
[54] **WEARABLE NYSTAGMUS DETECTION DEVICES AND METHODS FOR USING THE SAME**
[54] **DISPOSITIFS DE DETECTION DE NYSTAGMUS POUVANT ETRE PORTES ET PROCEDES D'UTILISATION**
[72] RESSMEYER, RYAN KAZUO, US
[72] SANTA MARIA, PETER LUKE, US
[72] KUO, PO HUNG, US
[72] SILVERNAGEL, MICHAEL PAUL, US
[72] POON, ADA SHUK YAN, US
[72] STEENERSON, KRISTEN K., US
[72] KARGOTICH, STEPHEN, US
[72] FAN, DANYANG, US
[72] DHULDHOYA, JAY, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2022-06-13
[86] 2021-01-04 (PCT/US2021/012076)
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[30] US (62/957,563) 2020-01-06

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[51] **Int.Cl. C08B 30/14 (2006.01) A23L 29/10 (2016.01) A21C 11/16 (2006.01) B29B 7/42 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **ULTRA-FINE STARCH OR GRAIN BASED FLOUR COMPOSITION AND RELATED METHODS**
[54] **COMPOSITION DE FARINE ULTRA-FINE A BASE D'AMIDON OU DE GRAIN ET PROCEDES ASSOCIES**
[72] SANBORN, ALEXANDRA, US
[72] AYOUB, ALI, US
[72] BASEETH, SHIREEN, US
[72] HALALIPOUR, ALI, US
[72] GHOTRA, BALJIT, US
[71] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2022-06-13
[86] 2020-12-11 (PCT/US2020/064673)
[87] (WO2021/119532)
[30] US (62/947,269) 2019-12-12

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[13] A1
[51] **Int.Cl. E21B 28/00 (2006.01) E21B 33/13 (2006.01) E21B 33/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CEMENTING A TUBING**
[54] **SYSTEME ET PROCEDE DE CIMENTATION D'UN TUBE DE PRODUCTION**
[72] ROSSING, MICHAEL, US
[71] NATIONAL OILWELL DHT, L.P., US
[85] 2022-06-13
[86] 2021-01-07 (PCT/US2021/012482)
[87] (WO2021/142107)
[30] US (62/958,579) 2020-01-08

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[51] **Int.Cl. H04B 1/38 (2015.01) H01Q 1/22 (2006.01) H02G 7/05 (2006.01) H04B 1/03 (2006.01) H04B 1/08 (2006.01)**
[25] EN
[54] **CONVERTIBLE STRAND AND POLE SMALL CELL MOUNTS AND ASSEMBLIES**
[54] **SUPPORTS DE MONTAGE DE PETITES CELLULES SUR TORONS ET POTEAUX CONVERTIBLES ET ENSEMBLES CORRESPONDANTS**
[72] SEVERIN, MATTHEW, US
[72] CAMPBELL, ROBERT, US
[71] COMMSCOPE TECHNOLOGIES LLC, US
[85] 2022-06-13
[86] 2021-01-11 (PCT/US2021/012889)
[87] (WO2021/162811)
[30] US (62/975,339) 2020-02-12
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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **METHOD AND DEVICE FOR SIDELINK COMMUNICATION**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION DE LIAISON LATERALE**
[72] LUO, WEI, CN
[72] CHEN, LIN, CN
[71] ZTE CORPORATION, CN
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[54] **SURFACTANTS FOR USE IN HEALTHCARE PRODUCTS**
[54] **TENSIOACTIFS DESTINES A ETRE UTILISES DANS DES PRODUITS DE SOINS DE SANTE**
[72] ASIRVATHAM, EDWARD, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **HIGH EFFICIENCY REMOTE PROCEDURE CALL FOR CPE DEVICES**
[54] **APPEL DE PROCEDURE A DISTANCE A HAUT RENDEMENT POUR DISPOSITIFS CPE**
[72] WU, YONGHUI, CN
[71] ARRIS ENTERPRISES LLC, US
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[54] **COMPOSITIONS AND METHODS FOR THE DEGRADATION OF WASTE POLYPROPYLENE**
[54] **COMPOSITIONS ET PROCEDES POUR LA DEGRADATION DE DECHETS DE POLYPROPYLENE**
[72] MUPPANENI, TAPASWY, US
[72] PRATT, RUSSELL, US
[72] LE ROY, JENNIFER, US
[71] BIOCELLECTION INC., US
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[54] **IN-EAR AND AROUND-THE-EAR ELECTROENCEPHALOGRAPHY SYSTEM WITH FLOATING ELECTRODES AND METHOD THEREOF**
[54] **SYSTEME D'ELECTRO-ENCEPHALOGRAPHIE INTRA-AURICULAIRE ET AUTOUR DE L'OREILLE DOTE D'ELECTRODES FLOTTANTES ET SON PROCEDE**
[72] PINTAT, VALENTIN, CA
[72] VOIX, JEREMIE, CA
[72] CRETOT-RICHERT, GABRIELLE, CA
[72] VIALLET, GUILHEM, CA
[72] DELNAVAZ, AIDIN, CA
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
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[54] **ISOTROPIC CONCENTRATE AND WASH COMPOSITIONS**
[54] **CONCENTRE ISOTROPE ET COMPOSITIONS DE LAVAGE**
[72] HIBAN, DOUGLAS JOHN, US
[72] VASUDEVAN, TIRUCHERAI VARAHAN, US
[72] YE, MINGCHANG, US
[71] UNILEVER GLOBAL IP LIMITED, GB
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[54] **SEMG2 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-SEMG2 ET SON UTILISATION**
[72] LI, ZHAOLI, CN
[71] SHANGHAI BIOTROY BIOTECHNIQUE CO., LTD., CN
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[54] **ROBOT A CONSCIENCE DE LA SITUATION**
[72] BERBERIAN, PAUL, US
[72] ARNIOTES, DAMON, US
[72] SAVAGE, JOSHUA, HK
[72] SAVAGE, ANDREW, HK
[72] MACGREGOR, ROSS, US
[72] HYGH, DAVID, US
[72] BOOTH, JAMES, US
[72] CARROLL, JONATHAN, US
[71] CO6, INC. DBA COMPANY SIX, US
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[54] **OPTICAL FIBER CABLE AND METHOD FOR MANUFACTURING OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES ET PROCEDE DE FABRICATION DE CABLE A FIBRES OPTIQUES**
[72] MUKAI, OKIMI, JP
[72] OHNO, MASATOSHI, JP
[72] OSATO, KEN, JP
[71] FUJIKURA LTD., JP
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[54] **PROXY CONTROLLER SUIT WITH OPTIONAL DUAL RANGE KINEMATICS**
[54] **COMBINAISON DE CONTROLEUR MANDATAIRE AVEC CINEMATIQUE A DOUBLE PORTEE FACULTATIVE**
[72] KERBER, WILLIAM XAVIER, US
[72] GILMORE, JONATHAN, US
[71] HUMAN MODE, LLC, US
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[54] **METHODS FOR VIRAL INACTIVATION BY ENVIRONMENTALLY COMPATIBLE DETERGENTS**
[54] **PROCEDES D'INACTIVATION VIRALE AU MOYEN DE DETERGENTS COMPATIBLES AVEC L'ENVIRONNEMENT**
[72] LUO, WEN, US
[72] O'DONNELL, SEAN MICHAEL, US
[71] ELI LILLY AND COMPANY, US
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[54] **ISOVOLUMETRIC PUMP AND SYSTEMS AND METHODS THEREOF**
[54] **POMPE ISOVOLUMETRIQUE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] GENIN, GUY, US
[72] CASHIN, JOHN, US
[72] ZAYED, MOHAMED, US
[72] LEE, SANGHUN, US
[71] WASHINGTON UNIVERSITY, US
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[54] **MECANISMES DE BOUTON-POUSSOIR POUR ENSEMBLES DE VERROUILLAGE**
[72] SHETTY, ADITHYA GANGADHAR, IN
[72] RAI, SUBASHCHANDRA G, IN
[72] KUMAR, HASSAN CHARAN, IN
[72] SIDDARAMAIAH, MADHU HULIKERE, IN
[72] TADEPALLI, RAVI TEJA NAGA SATYA, IN
[71] SCHLAGE LOCK COMPANY LLC, US
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[54] **WIRE LINE DEPLOYABLE METAL PATCH STACKABLE SYSTEM**
[54] **SYSTEME EMPILABLE DE PIECE DE RAPIECAGE METALLIQUE DEPLOYABLE EN LIGNE DE FIL METALLIQUE**
[72] WHITNEY, TYLER A., US
[72] CACCIALUPI, ALESSANDRO, US
[72] BENZIE, SCOTT, US
[71] MOHAWK ENERGY LTD., US
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[54] **INTEGRATED METHOD FOR THERMAL CONVERSION AND INDIRECT COMBUSTION OF A HEAVY HYDROCARBON FEEDSTOCK IN A REDOX CHEMICAL LOOP FOR PRODUCING HYDROCARBON STREAMS AND CAPTURING THE CO2 PRODUCE**
[54] **PROCEDE INTEGRE DE CONVERSION THERMIQUE D'UNE CHARGE HYDROCARBONEE LOURDE ET DE COMBUSTION INDIRECTE EN BOUCLE CHIMIQUE D'OXYDO-REDUCTION POUR LA PRODUCTION DE FLUX HYDROCARBONES ET LE CAPTAGE DU CO2 PRODUI**
[72] LEPLAT, SEBASTIEN, FR
[71] TOTALENERGIES ONETECH, FR
[71] IFP ENERGIES NOUVELLES, FR
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[54] **POWER BOOST MODULE**
[54] **MODULE D'AMPLIFICATION DE PUISSANCE**
[72] PLUMMER, BRADY, US
[72] RAI, SUBASHCHANDRA G., IN
[72] EICKHOFF, BRIAN C., US
[72] MILLER, BENJAMIN L., US
[72] POOJARY, PRAJNA, IN
[71] SCHLAGE LOCK COMPANY LLC, US
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[54] **PRECISE INTRODUCTION OF DNA OR MUTATIONS INTO THE GENOME OF WHEAT**
[54] **INTRODUCTION PRECISE D'ADN OU DE MUTATIONS DANS LE GENOME DU BLE**
[72] GOLDS, TIMOTHY JAMES, BE
[72] DE VLEESSCHAUWER, DAVID, BE
[72] D'HALLUIN, KATELIJN, BE
[71] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
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[51] **Int.Cl. B66F 9/075 (2006.01) B66F 9/24 (2006.01)**
[25] EN
[54] **BASED ON DETECTED START OF PICKING OPERATION, RESETTING STORED DATA RELATED TO MONITORED DRIVE PARAMETER**
[54] **REINITIALISATION DE DONNEES STOCKEES ASSOCIEES A UN PARAMETRE D'ENTRAINEMENT SURVEILLE SUR LA BASE D'UN DEBUT DETECTE D'OPERATION DE PRISE DE LIVRAISON**
[72] SIMON, ANDREAS, US
[72] TIIEOS, SEBASTIAN, US
[72] NACHTIGAL, JOHANNES, US
[71] CROWN EQUIPMENT CORPORATION, US
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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 37/08 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC CANINIZED ANTIBODIES AND BISPECIFIC BINDING PARTNERS FOR TREATING ATOPIC DERMATITIS**
[54] **ANTICORPS BISPECIFIQUES CANINISES ET PARTENAIRES DE LIAISON BISPECIFIQUES POUR LE TRAITEMENT DE LA DERMATITE ATOPIQUE**
[72] MORSEY, MOHAMAD, US
[72] ZHANG, YUANZHENG, US
[72] SAHA, ANASUYA, US
[71] INTERVET INTERNATIONAL B.V., NL
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[54] **NOVEL INDAZOLE DERIVATIVE, AND USE THEREOF**
[54] **NOUVEAU DERIVE D'INDAZOLE ET SON UTILISATION**
[72] KIM, PIL HO, KR
[72] KIM, SEONG HWAN, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
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[25] EN
[54] **HIGH-TEMPERATURE HIGH-LINEAR-PRESSURE MICRO-EUTECTIC METHOD FOR ENHANCING STRENGTH OF POLYTETRAFLUOROETHYLENE (PTFE)-BASED FILM**
[54] **PROCEDE MICRO-EUTECTIQUE A HAUTE TEMPERATURE ET HAUTE PRESSION LINEAIRE POUR AMELIORER LA RESISTANCE D'UN FILM A BASE DE PTFE**
[72] LIU, JIANPING, CN
[72] XIANG, XIN, CN
[72] WU, JIANHUA, CN
[72] ZHU, YAWEI, CN
[72] LI, YAJING, CN
[72] FANG, LIANG, CN
[72] ZHAO, JINGXIN, CN
[72] WU, HONG, CN
[72] WU, JIANPING, CN
[72] MIN, HONGWEI, CN
[71] CHINA THREE GORGES CORPORATION, CN
[71] CHINA THREE GORGES RENEWABLES(GROUP)CO., LTD., CN
[71] NANJING HAOHUI HI TECH CO., LTD., CN
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[25] EN
[54] **TRIAZOLOPYRIDAZINE DERIVATIVE, PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION THEREOF, AND USE THEREOF**
[54] **DERIVE DE TRIAZOLOPYRIDAZINE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ASSOCIEE ET UTILISATION CORRESPONDANTE**
[72] JIN, YUN, CN
[72] WANG, FEI, CN
[72] WU, JINHUA, CN
[72] CHEN, NANYANG, CN
[72] SUN, YONG, CN
[72] LI, SHUAI, CN
[71] SHANGHAI SIMR BIOTECHNOLOGY CO., LTD, CN
[71] SHANGHAI SIMRD BIOTECHNOLOGY CO., LTD, CN
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[54] **GALECTIN-3 INHIBITING C-GLYCOSIDE KETONES, ETHERS, AND ALCOHOLS**
[54] **CETONES, ETHERS ET ALCOOLS C-GLYCOSIDES INHIBITEURS DE GALECTINE-3**
[72] MAGNANI, JOHN L., US
[72] PETERSON, JOHN M., US
[72] VOHRA, YUSUF U., US
[72] GHOSH, INDRANATH, US
[72] NOGUEIRA, JASON, US
[72] SARKAR, ARUN K., US
[72] MAJUMDAR, DEBATOSH, US
[71] GLYCOMIMETICS, INC., US
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[54] **REACTIVE PHOSPOROUS CONTANING FLAME RETARDANT AND INTRINSICALLY FLAME RETARDANT POLYMER OBTAINABLE BY POLYCONDENSATION WITH IT**
[54] **AGENT IGNIFUGE CONTENANT DU PHOSPHORE REACTIF ET POLYMERE IGNIFUGE INTRINSEQUE POUVANT ETRE OBTENU PAR POLYCONDENSATION AVEC CELUI-CI**
[72] BADEL, THIERRY, FR
[72] JOANNES, DELPHINE, FR
[72] CHOUZIER, SANDRA, FR
[71] POLYTECHNYL S.A.S., FR
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[54] **ALIPHATIC ACID AMIDE DERIVATIVE**
[54] **DERIVE AMIDE D'ACIDE ALIPHATIQUE**
[72] SAKUMA, MASAYUKI, JP
[72] BESNARD, JEREMY, GB
[72] FUJII, YUKI, JP
[72] AIHARA, YOSHINORI, JP
[72] BELL, ANDREW SIMON, GB
[71] SUMITOMO PHARMA CO., LTD., JP
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[25] FR
[54] **COATED MULTILAYER METAL COOKING VESSEL THAT CAN BE HEATED BY INDUCTION**
[54] **SUPPORT DE CUISSON METALLIQUE MULTICOUCHES REVETU POUVANT ETRE CHAUFFE PAR INDUCTION**
[72] RUBIO, MARTIN, FR
[72] BRASSET, JEAN-FRANCOIS, FR
[71] SEB S.A., FR
[85] 2022-06-14
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[25] EN
[54] **COLOR DISPLAY DEVICE COMPRISING A MOSAIC OF TILES OF MICRO-LIGHT-EMITTING DIODES**
[54]
[72] TORAILLE, VINCENT, FR
[72] BENSAOU, NICOLAS, FR
[72] LEBRUN, HUGUES, FR
[71] THALES, FR
[85] 2022-06-14
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[25] EN
[54] **CAPSULE FOR GASTROINTESTINAL SAMPLING**
[54] **CAPSULE POUR ECHANTILLONNAGE GASTRO-INTESTINAL**
[72] NEJATI, SINA, US
[72] RAHIMI, RAHIM, US
[72] VERMA, MOHIT SINGH, US
[72] WAIMIN, JOSE FERNANDO A/K/A JOSE FERNANDO WAIMIN ALMENDARES, US
[72] WANG, JIANGSHAN, US
[71] ELI LILLY AND COMPANY, US
[85] 2022-06-14
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[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01)**
[25] FR
[54] **DEVICE FOR DAMPING DOCKING TO A SATELLITE**
[54] **DISPOSITIF D'ARRIMAGE AMORTISSANT A UN SATELLITE**
[72] TAJAN, FLORENT, FR
[72] BLAIS, THIERRY, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2022-06-14
[86] 2020-12-17 (PCT/FR2020/052491)
[87] (WO2021/123632)
[30] FR (FR19 15179) 2019-12-20

[21] **3,161,813**
[13] A1
[51] **Int.Cl. C08G 77/00 (2006.01) C08G 77/04 (2006.01) C08G 77/06 (2006.01) C09J 183/04 (2006.01)**
[25] EN
[54] **POLYDIORGANOSILOXANE PREPARATION**
[54] **PREPARATION DE POLYDIORGANOSILOXANE**
[72] WANG, XIUYAN, CN
[72] GUO, YI, CN
[72] PENG, JIANG, CN
[72] ZENG, ZHIPING, CN
[72] HU, QIANG, CN
[71] DOW SILICONES CORPORATION, US
[85] 2022-06-14
[86] 2019-12-17 (PCT/CN2019/125816)
[87] (WO2021/119972)

[21] **3,161,819**
[13] A1
[51] **Int.Cl. B21C 23/00 (2006.01) B22D 21/00 (2006.01) C22C 21/02 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH 6XXX EXTRUSION ALLOYS**
[54] **ALLIAGES D'EXTRUSION DE SERIE 6XXX A HAUTE RESISTANCE**
[72] YAN, XINYAN, US
[72] CARON, FRANCIS, CA
[71] ALCOA USA CORP., US
[85] 2022-06-14
[86] 2020-12-22 (PCT/US2020/066590)
[87] (WO2021/133792)
[30] US (62/952,614) 2019-12-23

[21] **3,161,820**
[13] A1
[51] **Int.Cl. C08K 5/5465 (2006.01) C08L 83/04 (2006.01) C09J 183/06 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION D'AGENT D'ETANCHEITE**
[72] PENG, JIANG, CN
[72] GUO, YI, CN
[72] LIU, NANGUO, US
[72] SHEPHARD, NICK, US
[72] WU, YE, CN
[72] OLSEN, MATT, US
[71] DOW SILICONES CORPORATION, US
[71] ROHM AND HAAS COMPANY, US
[85] 2022-06-14
[86] 2019-12-17 (PCT/CN2019/125814)
[87] (WO2021/119970)

[21] **3,161,822**
[13] A1
[51] **Int.Cl. C08L 83/04 (2006.01) C08J 3/24 (2006.01) C08K 5/54 (2006.01) C08K 9/00 (2006.01) C09K 3/10 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION D'AGENT D'ETANCHEITE**
[72] WANG, XIUYAN, CN
[72] PENG, JIANG, CN
[72] GUO, YI, CN
[72] HU, QIANG, CN
[72] ZENG, ZHIPING, CN
[72] LIU, NANGUO, US
[72] SHEPHARD, NICK, US
[71] DOW SILICONES CORPORATION, US
[85] 2022-06-14
[86] 2019-12-17 (PCT/CN2019/125817)
[87] (WO2021/119973)

[21] **3,161,824**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMBINING A PLURALITY OF DOWNLINK SIGNALS REPRESENTATIVE OF A COMMUNICATION SIGNAL**
[54] **SYSTEME ET PROCEDE POUR COMBINER UNE PLURALITE DE SIGNAUX DE LIAISON DESCENDANTE REPRESENTATIFS D'UN SIGNAL DE COMMUNICATION**
[72] KING, BRANDON GREGORY, US
[72] JARRIEL, JEFFREY DAVID, US
[72] STOLTENBERG, MATTHEW JAMES, US
[72] SUTTON, DANIEL JOSEPH, US
[71] KRATOS INTEGRAL HOLDINGS, LLC, US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065351)
[87] (WO2021/127006)
[30] US (62/948,599) 2019-12-16

[21] **3,161,826**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C12N 15/113 (2010.01) A61K 39/12 (2006.01) A61K 45/00 (2006.01)**
[25] EN
[54] **MULTI-SPECIFIC T CELL RECEPTORS**
[54] **RECEPTEURS DE LYMPHOCYTES T MULTI-SPECIFIQUES**
[72] FRUEH, KLAUS, US
[72] PICKER, LOUIS, US
[72] SACHA, JONAH, US
[72] HANSEN, SCOTT, US
[72] BIMBER, BENJAMIN, US
[72] ABDULHAQQ, SHAHEED, US
[71] OREGON HEALTH & SCIENCE UNIVERSITY, US
[85] 2022-06-14
[86] 2020-12-15 (PCT/US2020/065147)
[87] (WO2021/126872)
[30] US (62/948,691) 2019-12-16

[21] **3,161,827**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-LILRB1 ANTIBODY AND USES THEREOF**
[54] **ANTICORPS ANTI-LILRB1 ET SES UTILISATIONS**
[72] CHOI, YOON AA, KR
[72] KIM, JUNG A, KR
[72] JUNG, SAEM, KR
[72] LEE, JI HYUN, KR
[72] NA, KYUBONG, KR
[72] KIM, YEONCHUL, KR
[72] KIM, HAN BYUL, KR
[71] LG CHEM, LTD., KR
[85] 2022-06-14
[86] 2020-12-22 (PCT/KR2020/018931)
[87] (WO2021/133036)
[30] KR (10-2019-0173414) 2019-12-23
[30] KR (10-2020-0061907) 2020-05-22

[21] **3,161,830**
[13] A1
[51] **Int.Cl. A44B 1/28 (2006.01)**
[25] FR
[54] **MEMBER FOR HOLDING AN OBJECT IN POSITION ON EITHER SIDE OF AN ELEMENT PROVIDED WITH A BORE**
[54] **ORGANE DE MAINTIEN EN POSITION D'UN OBJET DE PART ET D'AUTRE D'UN ELEMENT POURVU D'UN PERCAGE**
[72] PODDA, FLORENT, FR
[72] PODDA, SEBASTIEN, FR
[71] PODDA, FLORENT, FR
[85] 2022-06-14
[86] 2020-12-08 (PCT/IB2020/061622)
[87] (WO2021/124009)
[30] FR (1915362) 2019-12-20

[21] **3,161,831**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING CHANNEL BANDWIDTH OF A COMMUNICATION SIGNAL**
[54] **SYSTEME ET PROCEDE DE GESTION D'UNE BANDE PASSANTE DE CANAL D'UN SIGNAL DE COMMUNICATION**
[72] KING, BRANDON GREGORY, US
[72] JARRIEL, JEFFREY DAVID, US
[72] STOLTENBERG, MATTHEW JAMES, US
[72] SUTTON, DANIEL JOSEPH, US
[71] KRATOS INTEGRAL HOLDINGS, LLC, US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065358)
[87] (WO2021/127010)
[30] US (62/948,599) 2019-12-16

[21] **3,161,833**
[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01) G01B 11/00 (2006.01) G01N 21/94 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01) G08G 1/017 (2006.01) H04B 1/59 (2006.01)**
[25] EN
[54] **APPARATUS FOR ANALYZING A PAYLOAD BEING TRANSPORTED IN A LOAD CARRYING CONTAINER OF A VEHICLE**
[54] **APPAREIL POUR L'ANALYSE D'UNE CHARGE UTILE TRANSPORTEE DANS UNE BENNE DE TRANSPORT DE CHARGE D'UN VEHICULE**
[72] TAFAZOLI BILANDI, SHAHRAM, CA
[72] NOURANIAN, SAMAN, CA
[72] TURNER, GLEN RICHARD FLOYD, CA
[72] CHU, HAOBING, CA
[72] CHOW, ENOCH, CA
[72] KARIMIFARD, SAEED, CA
[72] SAMETI, MOHAMMAD, CA
[71] MOTION METRICS INTERNATIONAL CORP, CA
[85] 2022-06-14
[86] 2020-12-16 (PCT/CA2020/051729)
[87] (WO2021/119813)
[30] US (62/949,299) 2019-12-17

[21] **3,161,834**
[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01) H04W 24/02 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD OF TRAFFIC-BASED CLASSIFICATION OF IOT DEVICES AND DYNAMIC ALLOCATION OF LINK RESOURCES TO IOT DEVICES**
[54] **SYSTEME ET PROCEDE DE CLASSIFICATION BASEE SUR LE TRAFIC DE DISPOSITIFS IDO ET ATTRIBUTION DYNAMIQUE DE RESSOURCES DE LIAISON A DES DISPOSITIFS IDO**
[72] ROY, SATYAJIT, US
[72] KENYON, JOHN D., US
[72] ARORA, AMIT, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-06-14
[86] 2020-12-28 (PCT/US2020/067113)
[87] (WO2021/134058)
[30] US (16/729,348) 2019-12-28

[21] **3,161,838**
[13] A1
[51] **Int.Cl. D02G 3/44 (2006.01) D03D 15/513 (2021.01) D03D 13/00 (2006.01)**
[25] EN
[54] **FLAME RESISTANT FABRICS WITH INCREASED STRENGTH**
[54] **TISSUS IGNIFUGES AVEC UNE RESISTANCE ACCRUE**
[72] PICKERING, KEITH EDWARD, US
[72] MORRISON, CHRISTOPER ROY, US
[71] SOUTHERN MILLS, INC., US
[85] 2022-06-14
[86] 2020-12-18 (PCT/US2020/066038)
[87] (WO2021/127454)
[30] US (62/950,193) 2019-12-19

[21] **3,161,839**
[13] A1
[25] EN
[54] **SYSTEM AND METHOD FOR ESTIMATION OF QUALITY OF EXPERIENCE (QOE) FOR VIDEO STREAMING**
[54] **SYSTEME ET PROCEDE D'ESTIMATION DE QUALITE D'EXPERIENCE (QOE) POUR DIFFUSION VIDEO**
[72] JAIN, KAUSTUBH, US
[72] SU, CHI-JIUN, US
[72] VASUDEVAN, SRIRAM, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-06-14
[86] 2020-12-22 (PCT/US2020/066545)
[87] (WO2021/133767)
[30] US (16/727,819) 2019-12-26

[21] **3,161,840**
[13] A1
[51] **Int.Cl. B42D 25/29 (2014.01) C09D 7/40 (2018.01) C09D 7/61 (2018.01) C09D 7/62 (2018.01) C09D 5/14 (2006.01) C09D 133/08 (2006.01) C09D 163/00 (2006.01) C08K 3/08 (2006.01) C08K 3/22 (2006.01) C08K 3/34 (2006.01) C08K 3/40 (2006.01) C08K 9/12 (2006.01)**
[25] FR
[54] **PROTECTIVE VARNISH, IN PARTICULAR FOR SECURITY DOCUMENTS**
[54] **VERNIS PROTECTEUR EN PARTICULIER POUR LES DOCUMENTS DE SECURITE**
[72] ROSSET, HENRI, FR
[72] LE BERRE, MARJORY, FR
[71] OBERTHUR FIDUCIAIRE SAS, FR
[85] 2022-06-14
[86] 2020-12-18 (PCT/EP2020/086958)
[87] (WO2021/123118)
[30] FR (FR1914829) 2019-12-19

[21] **3,161,841**
[13] A1
[51] **Int.Cl. C09J 183/04 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **SEALANT COMPOSITION**
[54] **COMPOSITION D'AGENT D'ETANCHEITE**
[72] PENG, JIANG, CN
[72] GUO, YI, CN
[72] LIU, NANGUO, US
[72] SHEPHARD, NICK, US
[72] WU, YE, CN
[71] DOW SILICONES CORPORATION, US
[85] 2022-06-14
[86] 2019-12-17 (PCT/CN2019/125820)
[87] (WO2021/119974)

[21] **3,161,842**
[13] A1
[51] **Int.Cl. C10M 159/22 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITION CONTAINING A DETERGENT DERIVED FROM CASHEW NUT SHELL LIQUID**
[54] **COMPOSITION LUBRIFIANTE CONTENANT UN DETERGENT DERIVE D'UN LIQUIDE DE COQUE DE NOIX DE CAJOU**
[72] KIM, HYUNGSOO, US
[72] BURRINGTON, JAMES D., US
[72] BARTLETT, NATHAN J., GB
[72] WALKER, GARY M., GB
[72] DIFLAVIO, JOHN L., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2022-06-14
[86] 2020-09-28 (PCT/US2020/052993)
[87] (WO2021/126338)
[30] US (62/951,275) 2019-12-20

[21] **3,161,843**
[13] A1
[51] **Int.Cl. C01B 39/48 (2006.01) C01B 39/14 (2006.01) C01B 39/26 (2006.01) C01B 39/38 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD OF POROUS MATERIAL, POROUS MATERIAL OBTAINED THEREBY AND SI SOURCE COMPOSITION FOR PRODUCING POROUS MATERIAL**
[54] **PROCEDE DE PRODUCTION DE MATERIAU POREUX, MATERIAU POREUX OBTENU PAR LE BIAIS DUDIT PROCEDE, ET COMPOSITION DE SOURCE DE SI POUR LA PRODUCTION DE MATERIAU POREUX**
[72] TABATA, SEIICHIRO, JP
[72] YOKOI, TOSHIYUKI, JP
[71] SONY GROUP CORPORATION, JP
[85] 2022-06-14
[86] 2021-01-15 (PCT/JP2021/001192)
[87] (WO2021/149600)
[30] JP (2020-009291) 2020-01-23

[21] **3,161,844**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTIGEN-BINDING DOMAIN BINDING TO PSMA**
[54] **DOMAINE DE LIAISON A L'ANTIGENE SE LIANT AU PSMA**
[72] ONUOHA, SHIMOBI, GB
[72] FERRARI, MATHIEU, GB
[72] DELLA PERUTA, MARCO, GB
[72] KINNA, ALEX, GB
[72] CORDOBA, SHAUN, GB
[71] AUTOLUS LIMITED, GB
[85] 2022-06-14
[86] 2020-12-18 (PCT/GB2020/053289)
[87] (WO2021/123810)
[30] GB (1919019.8) 2019-12-20

[21] **3,161,845**
[13] A1
[51] **Int.Cl. C08L 23/02 (2006.01) C08K 3/016 (2018.01) C08K 3/22 (2006.01) C08L 23/12 (2006.01) C08L 23/26 (2006.01) C08L 53/00 (2006.01)**
[25] EN
[54] **HALOGEN FREE FLAME RETARDANT POLYMERIC COMPOSITIONS**
[54] **COMPOSITIONS POLYMERES IGNIFUGEANTES EXEMPTES D'HALOGENE**
[72] JELTSCH, KRISCHAN, CH
[72] CREE, STEPHEN H., CH
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-06-14
[86] 2020-12-07 (PCT/US2020/063570)
[87] (WO2021/126573)
[30] US (62/949,535) 2019-12-18

[21] **3,161,846**
[13] A1
[51] **Int.Cl. B60T 8/17 (2006.01) B60T 7/04 (2006.01) B60T 7/06 (2006.01) B60T 8/00 (2006.01) B60T 8/171 (2006.01) B60T 8/172 (2006.01) B60T 8/32 (2006.01)**
[25] EN
[54] **YAW REDUCTION SYSTEM AND METHOD FOR AIRCRAFT BRAKING**
[54] **SYSTEME DE REDUCTION DE LACET ET PROCEDE DE FREINAGE D'AERONEF**
[72] HILL, JAMES L., US
[72] ROE, DAVID N., US
[72] BURKHALTER, KURT, US
[72] QUICKFALL, BENJAMIN ROBERT PIERCY, GB
[71] MEGGITT AIRCRAFT BRAKING SYSTEMS CORPORATION, US
[85] 2022-06-14
[86] 2020-12-18 (PCT/US2020/065877)
[87] (WO2021/127352)
[30] US (62/951,500) 2019-12-20

[21] **3,161,848**
[13] A1
[51] **Int.Cl. C08L 51/06 (2006.01) C09D 5/02 (2006.01) C09D 151/06 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF OCCLUDED POLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES POLYMERES OCCLUSES**
[72] BOHLING, JAMES C., US
[72] GAO, WEI, US
[72] GIMBAL, JUSTIN, US
[72] ROBERTSON, IAN D., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2022-06-14
[86] 2020-11-19 (PCT/US2020/061226)
[87] (WO2021/126453)
[30] US (62/949,470) 2019-12-18

[21] **3,161,852**
[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) C07D 401/04 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS, PREPARATION METHODS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS**
[72] DAI, XING, CN
[72] JIANG, YUEHENG, CN
[72] LIU, YANQIN, CN
[71] INVENTISBIO CO., LTD., CN
[85] 2022-06-14
[86] 2020-12-17 (PCT/CN2020/137276)
[87] (WO2021/121330)
[30] CN (PCT/CN2019/126230) 2019-12-18

[21] **3,161,855**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) G16B 30/00 (2019.01) G16B 40/10 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MIXSEQ: MIXTURE SEQUENCING USING COMPRESSED SENSING FOR IN-SITU AND IN-VITRO APPLICATIONS**
[54] **SEQUENCAGE DE MELANGE (MIXSEQ) A L'AIDE D'UNE DETECTION COMPRESSEE POUR DES APPLICATIONS IN SITU ET IN VITRO**
[72] VAUGHAN, ALEXANDER G., US
[72] ZADOR, ANTHONY M., US
[71] COLD SPRING HARBOR LABORATORY, US
[85] 2022-06-14
[86] 2020-12-23 (PCT/US2020/066853)
[87] (WO2021/133911)
[30] US (62/953,174) 2019-12-23

[21] **3,161,860**
[13] A1
[51] **Int.Cl. C08F 20/12 (2006.01) C08F 220/18 (2006.01) C08F 265/06 (2006.01)**
[25] EN
[54] **PREPARATION OF AN AQUEOUS DISPERSION OF OCCLUDED POLYMER PARTICLES**
[54] **PREPARATION D'UNE DISPERSION AQUEUSE DE PARTICULES POLYMERES OCCLUSES**
[72] BOHLING, JAMES C., US
[72] GIMBAL, JUSTIN, US
[72] ROBERTSON, IAN D., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2022-06-14
[86] 2020-11-19 (PCT/US2020/061230)
[87] (WO2021/126454)
[30] US (62/949,471) 2019-12-18

[21] **3,161,863**
[13] A1
[51] **Int.Cl. A61K 47/42 (2017.01) A61P 3/00 (2006.01) A61P 19/06 (2006.01)**
[25] EN
[54] **THERAPEUTIC ENGINEERED MICROBIAL CELL SYSTEMS AND METHODS FOR TREATING HYPERURICEMIA AND GOUT**
[54] **SYSTEMES DE CELLULES MICROBIENNES THERAPEUTIQUES MODIFIEES ET METHODES DE TRAITEMENT DE L'HYPERURICEMIE ET DE LA GOUTTE**
[72] GEISLER, CHRISTOPH, US
[71] UNLOCKED LABS INC., US
[85] 2022-06-14
[86] 2021-01-08 (PCT/US2021/070014)
[87] (WO2021/142491)
[30] US (62/959,991) 2020-01-12

[21] **3,161,866**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) F04D 13/10 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **ELECTRIC SUBMERSIBLE PUMP (ESP) WITH GAS HANDLING SHROUD INLET**
[54] **POMPE ELECTRIQUE SUBMERSIBLE (ESP) A ENTREE DE CHAPEAU OUVERT DE GESTION DE GAZ**
[72] BROWN, DONN J., US
[72] SHETH, KETANKUMAR KANTILAL, US
[72] KOPECKY, TREVOR ALAN, US
[72] NEWPORT, CASEY LAINE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-06-14
[86] 2020-03-11 (PCT/US2020/022038)
[87] (WO2021/177981)
[30] US (16/806,566) 2020-03-02

[21] **3,161,868**
[13] A1
[51] **Int.Cl. A61M 39/16 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **UNIVERSAL DISINFECTION CAP**
[54] **CAPUCHON UNIVERSEL DE DESINFECTION**
[72] JIANG, CHANG, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065229)
[87] (WO2021/133600)
[30] US (62/952,838) 2019-12-23
[30] US (17/120,498) 2020-12-14

[21] **3,161,869**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND, AND PHARMACEUTICAL COMPOSITION THEREOF, PREPARATION METHOD THEREFOR, INTERMEDIATE THEREOF AND APPLICATION THEREOF**
[54] **COMPOSE HETEROCYCLIQUE, ET COMPOSITION PHARMACEUTIQUE DE CELUI-CI, SON PROCEDE DE PREPARATION, INTERMEDIAIRE DE CELUI-CI ET APPLICATION DE CELUI-CI**
[72] HU, YONGHAN, CN
[72] WU, DONGDONG, CN
[72] PENG, WEI, CN
[72] ZHANG, XIUCHUN, CN
[72] WU, YUCHUAN, CN
[71] EVOPOINT BIOSCIENCES CO., LTD., CN
[85] 2022-06-14
[86] 2020-12-18 (PCT/CN2020/137618)
[87] (WO2021/121390)
[30] CN (201911329611.X) 2019-12-20
[30] CN (202010312893.9) 2020-04-20
[30] CN (202010882490.8) 2020-08-28

[21] **3,161,871**
[13] A1
[51] **Int.Cl. B65G 47/32 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR IDENTIFYING, MEASURING AND POSITIONING PIECE GOODS**
[54] **APPAREIL ET PROCEDE D'IDENTIFICATION, DE MESURE ET DE POSITIONNEMENT DE MARCHANDISES DE DETAIL**
[72] HELLENBRAND, CHRISTOPH, DE
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2022-06-14
[86] 2021-01-19 (PCT/EP2021/051024)
[87] (WO2021/148384)
[30] EP (20153597.8) 2020-01-24

[21] **3,161,876**
[13] A1
[51] **Int.Cl. E21B 47/18 (2012.01) E21B 47/095 (2012.01)**
[25] EN
[54] **OSCILLATING SHEAR VALVE FOR MUD PULSE TELEMETRY AND OPERATION THEREOF**
[54] **SOUPAPE DE CISAILLEMENT OSCILLATRICE POUR TELEMESURE PAR IMPULSIONS DANS LA BOUE ET SON UTILISATION**
[72] PETERS, VOLKER, US
[72] HAHN, DETLEF, US
[72] EGGERS, HEIKO, US
[72] BRAND, HELGE, US
[71] BAKER HUGHES OILFIELD OPERATIONS, LLC, US
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[87] (WO2021/127395)
[30] US (62/949,731) 2019-12-18

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[51] **Int.Cl. E04F 13/14 (2006.01)**
[25] EN
[54] **WALL MATERIAL AND WALL MATERIAL-EQUIPPED STRUCTURE**
[54] **MATERIAU DE PAROI ET STRUCTURE POURVUE D'UN MATERIAU DE PAROI**
[72] IKEDA, SATOSHI, JP
[72] HATTORI, TOMOMI, JP
[72] MATSUOKA, TOMOKI, JP
[72] NORITA, HIROKI, JP
[71] NICHIHA CORPORATION, JP
[85] 2022-06-14
[86] 2020-12-15 (PCT/JP2020/046818)
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[30] JP (2019-226375) 2019-12-16
[30] JP (2020-166152) 2020-09-30

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[51] **Int.Cl. C07D 417/14 (2006.01) A61K 47/54 (2017.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07D 513/04 (2006.01) C07D 513/14 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **IRAK DEGRADERS AND USES THEREOF**
[54] **AGENTS DE DEGRADATION D'IRAK ET LEURS UTILISATIONS**
[72] WEISS, MATTHEW M., US
[71] KYMERA THERAPEUTICS, INC., US
[85] 2022-06-14
[86] 2020-12-17 (PCT/US2020/065628)
[87] (WO2021/127190)
[30] US (62/949,298) 2019-12-17
[30] US (63/040,906) 2020-06-18

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[51] **Int.Cl. A01N 31/08 (2006.01) A61K 31/05 (2006.01)**
[25] EN
[54] **BIOMASS-BASED PESTICIDES AND METHODS OF MAKING THE SAME**
[54] **PESTICIDES A BASE DE BIOMASSE ET LEURS PROCEDES DE FABRICATION**
[72] WILSON, ANDREW NOLAN, US
[72] NIMLOS, MARK R., US
[72] DORGAN, JOHN R., US
[71] ALLIANCE FOR SUSTAINABLE ENERGY, LLC, US
[85] 2022-06-14
[86] 2020-12-21 (PCT/US2020/066306)
[87] (WO2021/127612)
[30] US (62/950,443) 2019-12-19

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[54] **METHODS AND APPARATUSES FOR USING DRY ICE CONTAINERS**
[54] **PROCEDES ET APPAREILS PERMETTANT D'UTILISER DES CONTENANTS DE GLACE SECHE**
[72] SEVER, ROBERT R., US
[72] ZHOU, YING, US
[72] BURSAC, RANKO, US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2022-06-14
[86] 2020-12-16 (PCT/US2020/065218)
[87] (WO2021/126911)
[30] US (16/720,910) 2019-12-19

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[51] **Int.Cl. C21C 5/32 (2006.01)**
[25] EN
[54] **LANCE FOR USE IN METAL PRODUCTION AND CASTING INSTALLATIONS**
[54] **LANCE DESTINEE A ETRE UTILISEE DANS DES INSTALLATIONS DE PRODUCTION ET DE COULEE DE METAUX**
[72] LOPES, JOAO ALTENIR, BR
[71] VESUVIUS REFRATARIOS LTDA., BR
[85] 2022-06-14
[86] 2021-01-08 (PCT/EP2021/050296)
[87] (WO2021/140214)
[30] BR (BR102020000554.5) 2020-01-09
[30] BR (BR202020000580.0) 2020-01-10

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[25] EN
[54] **POLYMER COMPOSITIONS AND PRODUCTS FORMED THEREWITH**
[54] **COMPOSITIONS POLYMERES ET PRODUITS FORMES AVEC CES DERNIERES**
[72] THIYAGARAJAN, MUTHIAH, US
[72] GUZMAN, CARMEN, US
[72] TOLIVER, JON, US
[72] IP, JOHN, US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2022-06-14
[86] 2020-12-17 (PCT/IB2020/062137)
[87] (WO2021/124217)
[30] US (62/951,870) 2019-12-20
[30] US (63/094,175) 2020-10-20

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[25] EN
[54] **POLYMER COMPOSITIONS AND PRODUCTS FORMED THEREWITH**
[54] **COMPOSITIONS POLYMERES ET PRODUITS FORMES AVEC LESDITES COMPOSITIONS**
[72] THIYAGARAJAN, MUTHIAH, US
[72] RANJAN, RAJESH, US
[72] GUZMAN, CARMEN, US
[72] TOLIVER, JON, US
[72] ADAMY, STEVEN T., US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2022-06-14
[86] 2020-12-17 (PCT/IB2020/062135)
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[30] US (62/951,856) 2019-12-20
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[25] EN
[54] **A THERMOFORMING MACHINE AND METHOD**
[54] **MACHINE ET PROCEDE DE THERMOFORMAGE**
[72] KATZMAN, YOUVAL, IL
[71] ESSILOR INTERNATIONAL, FR
[71] SHAMIR OPTICAL INDUSTRY LTD, IL
[85] 2022-06-14
[86] 2021-02-25 (PCT/EP2021/054653)
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[30] EP (20305197.4) 2020-02-27

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[51] **Int.Cl. A61F 6/04 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS AND ARTICLES COATED THEREWITH**
[54] **COMPOSITIONS POLYMERES ET ARTICLES REVETUS DE CELLES-CI**
[72] TOLIVER, JON, US
[72] RANJAN, RAJESH, US
[72] THIYAGARAJAN, MUTHIAH, US
[71] CHURCH & DWIGHT CO., INC., US
[85] 2022-06-14
[86] 2020-12-17 (PCT/IB2020/062134)
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[30] US (62/952,601) 2019-12-23

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[25] EN
[54] **TECHNIQUES FOR PROVIDING VARIABLE BUOYANCY TO A DEVICE**
[54] **TECHNIQUES DESTINEES A CONFERER UNE FLOTTABILITE VARIABLE A UN DISPOSITIF**
[72] CARDENAS, ROBERT LEE, US
[72] CONRY, MICHAEL, US
[72] RUFO, MICHAEL, US
[72] SCRIMGEOUR, TODD, US
[71] BOSTON ENGINEERING CORPORATION, US
[85] 2022-06-14
[86] 2020-12-15 (PCT/US2020/065098)
[87] (WO2021/126836)
[30] US (62/948,514) 2019-12-16
[30] US (62/959,513) 2020-01-10

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[13] A1
[51] **Int.Cl. C08G 63/183 (2006.01) C08G 63/78 (2006.01) C08J 11/24 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURE OF POLYESTERS WITH RECYCLE CONTENT**
[54] **PROCEDE DE FABRICATION DE POLYESTERS AYANT UN CONTENU RECYCLE**
[72] HOWELL, EARL EDMONDSON JR., US
[72] EKART, MICHAEL PAUL, US
[72] KEEVER, TRAVIS WYNN, US
[72] JACK, BOB N., US
[72] HORTON, JONATHAN MICHAEL, US
[72] MARTIN, DANIEL LEE, US
[71] EASTMAN CHEMICAL COMPANY, US
[85] 2022-06-17
[86] 2020-12-16 (PCT/US2020/065256)
[87] (WO2021/126938)
[30] US (62/950,619) 2019-12-19

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[13] A1
[51] **Int.Cl. C08J 11/24 (2006.01) C08L 67/02 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING POLYESTER METHANOLYSIS DEPOLYMERIZATION PRODUCT STREAMS**
[54] **PROCESSUS DE TRAITEMENT DE FLUX DE PRODUITS DE DEPOLYMERISATION PAR METHANOLYSE DE POLYESTER**
[72] KETCHIE, WILLIAM CHRISTOPHER, US
[72] MCMILLAN, NOAH GLENN, US
[72] EKART, MICHAEL PAUL, US
[72] KEEVER, TRAVIS WYNN, US
[71] EASTMAN CHEMICAL COMPANY, US
[85] 2022-06-17
[86] 2020-12-16 (PCT/US2020/065254)
[87] (WO2021/126936)
[30] US (62/950,605) 2019-12-19

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[13] A1
[51] **Int.Cl. A23B 7/154 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING A PRESERVED FRUIT COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION DE FRUIT CONSERVEE**
[72] IANCU, CATALIN, NL
[72] PRITAWARDANI, PRITA, NL
[71] PURAC BIOCHEM B.V., NL
[85] 2022-06-17
[86] 2020-12-15 (PCT/EP2020/086246)
[87] (WO2021/122612)
[30] EP (19218188.1) 2019-12-19

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[13] A1
[51] **Int.Cl. C01B 21/064 (2006.01) C09K 5/08 (2006.01)**
[25] EN
[54] **DIRECT GAS FLUORINATION OF BORON NITRIDES AND COMPOSITIONS INCLUDING FLUORINATED BORON NITRIDES**
[54] **FLUORATION DIRECTE EN PHASE GAZEUSE DE NITRURES DE BORE ET COMPOSITIONS COMPRENANT DES NITRURES DE BORE FLUORES**
[72] KHABASHESKU, VALERY N., US
[72] AJAYAN, PULICKEL M., US
[72] MEIYAZHAGAN, ASHOK KUMAR, US
[71] WILLIAM MARSH RICE UNIVERSITY, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-06-17
[86] 2020-12-18 (PCT/US2020/066065)
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[13] A1
[51] **Int.Cl. E21B 19/07 (2006.01) E21B 19/06 (2006.01)**
[25] EN
[54] **LOCKOUT MECHANISM FOR GRIPPING TOOL**
[54] **MECANISME DE VERROUILLAGE POUR OUTIL DE PRISE**
[72] SLACK, MAURICE W., CA
[71] NOETIC TECHNOLOGIES INC., CA
[85] 2022-06-18
[86] 2021-03-11 (PCT/CA2021/000008)
[87] (3162407)
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[51] **Int.Cl. B65D 90/34 (2006.01) B65D 47/32 (2006.01) B65D 90/10 (2006.01) F16K 17/19 (2006.01) F16K 17/196 (2006.01)**
[25] EN
[54] **MULTIPORT THIEF HATCH FOR STORAGE TANK**
[54] **TRAPPE ANTIVOL MULTIVOIES POUR RESERVOIR DE STOCKAGE**
[72] STRODER, SAM, US
[72] ALLIN, MELISSA, US
[71] BAKER HUGHES OILFIELD OPERATIONS, LLC, US
[85] 2022-06-21
[86] 2020-12-20 (PCT/US2020/066284)
[87] (WO2021/127611)
[30] US (16/724,255) 2019-12-21

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[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZED PRODUCTION OF HYDROCARBONS FROM SHALE OIL RESERVOIRS VIA CYCLIC INJECTION**
[54] **SYSTEME ET PROCEDE POUR LA PRODUCTION OPTIMISEE D'HYDROCARBURES A PARTIR DE RESERVOIRS D'HUILE DE SCHISTE PAR LE BIAIS D'UN INJECTION CYCLIQUE**
[72] DOWNEY, ROBERT A., US
[71] SHALE INGENUITY, LLC, US
[85] 2022-06-29
[86] 2020-12-30 (PCT/US2020/067500)
[87] (WO2021/138445)
[30] US (62/955,205) 2019-12-30

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[51] **Int.Cl. A01N 37/02 (2006.01) C05G 3/40 (2020.01) C05G 3/90 (2020.01) A01N 25/22 (2006.01) A01N 43/40 (2006.01) A01P 21/00 (2006.01) C05C 9/00 (2006.01) C05C 11/00 (2006.01) C09K 17/14 (2006.01)**
[25] EN
[54] **NITRAPYRIN COMPOSITIONS FOR ENHANCING NITROGEN NUTRIENT USE EFFICIENCY AND IMPROVING PLANT GROWH**
[54] **COMPOSITIONS DE NITRAPYRINE POUR RENFORCER L'EFFICACITE D'UTILISATION DE NUTRIMENTS AZOTES ET AMELIORER LA POUSSE DE PLANTES**
[72] PANDYA, ASHISH ARUN, US
[72] QIN, KUIDE, US
[72] ORR, GARY, US
[71] VERDESIAN LIFE SCIENCES U.S., LLC, US
[71] PANDYA, ASHISH ARUN, US
[71] QIN, KUIDE, US
[71] ORR, GARY, US
[85] 2022-07-06
[86] 2021-01-04 (PCT/US2021/012084)
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[30] US (62/957,853) 2020-01-07

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[51] **Int.Cl. C12N 1/00 (2006.01) C12N 5/07 (2010.01) C12N 1/20 (2006.01) C12P 13/00 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **MICROORGANISM-DERIVED PROTEIN HYDROLYSATES, AND METHODS OF PREPARATION AND USE THEREOF**
[54] **HYDROLYSATS DE PROTEINES DERIVES DE MICRO-ORGANISME, AINSI QUE LEURS METHODES DE PREPARATION ET D'UTILISATION**
[72] REED, JOHN S., US
[72] ROBERTSON, DAN E., US
[71] AIR PROTEIN, INC., US
[85] 2022-07-11
[86] 2021-01-22 (PCT/US2021/014795)
[87] (WO2021/151025)
[30] US (62/965,303) 2020-01-24

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[13] A1
[51] **Int.Cl. F04D 29/44 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **A DIFFUSER WITH NON-CONSTANT DIFFUSER VANES PITCH AND CENTRIFUGAL TURBOMACHINE INCLUDING SAID DIFFUSER**
[54] **DIFFUSEUR A PAS D'AUBES DE DIFFUSEUR NON CONSTANT ET TURBOMACHINE CENTRIFUGE COMPRENANT LEDIT DIFFUSEUR**
[72] TONI, LORENZO, IT
[72] MICHELASSI, VITTORIO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2022-07-12
[86] 2021-01-15 (PCT/EP2021/025010)
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[30] IT (102020000001216) 2020-01-22

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[51] **Int.Cl. G21C 5/12 (2006.01) G21C 5/06 (2006.01) G21C 5/08 (2006.01) G21C 5/14 (2006.01) G21C 15/08 (2006.01)**
[25] EN
[54] **SKEWED-PIN (SPIN) MODERATOR BLOCKS FOR NUCLEAR REACTOR**
[54] **BLOCS MODERATEUR A BROCHE ASYMETRIQUE (SPIN) POUR REACTEUR NUCLEAIRE**
[72] REED, MARK, US
[72] EADES, MICHAEL JOHN, US
[72] VENNERI, PAOLO FRANCESCO, US
[72] PATEL, VISHAL, US
[72] DEASON, WESLEY, US
[72] KAPERNICK, RICHARD J., US
[71] ULTRA SAFE NUCLEAR CORPORATION, US
[85] 2022-07-18
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[87] (WO2021/151055)
[30] US (62/965,829) 2020-01-25

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[51] **Int.Cl. E21B 43/12 (2006.01) F04D 13/06 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **MOTOR BEARING WITH ANTI-ROTATION SPRING FOR ELECTRICAL SUBMERSIBLE WELL PUMP**
[54] **PALIER DE MOTEUR DOTE D'UN RESSORT ANTIROTATION POUR POMPE ELECTRIQUE SUBMERSIBLE DE PUITS**
[72] PERISHO, RANDAL, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-07-18
[86] 2021-01-29 (PCT/US2021/070100)
[87] (WO2021/155410)
[30] US (62/967,756) 2020-01-30
[30] US (17/162,503) 2021-01-29

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[13] A1
[51] **Int.Cl. E21B 10/567 (2006.01) E21B 10/42 (2006.01) E21B 10/48 (2006.01) E21B 10/54 (2006.01) E21B 10/55 (2006.01)**
[25] EN
[54] **CUTTING ELEMENT WITH IMPROVED MECHANICAL EFFICIENCY**
[54] **ELEMENT DE COUPE A EFFICACITE MECANIQUE AMELIOREE**
[72] DOSTER, MICHAEL L., US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-07-20
[86] 2020-02-05 (PCT/US2020/016839)
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[13] A1
[51] **Int.Cl. E21B 10/567 (2006.01) E21B 10/42 (2006.01) E21B 10/48 (2006.01) E21B 10/54 (2006.01) E21B 10/55 (2006.01)**
[25] EN
[54] **CUTTER GEOMETRY UTILIZING SPHERICAL CUTOUTS**
[54] **GEOMETRIE DE COUPE UTILISANT DES DECOUPES SPHERIQUES**
[72] LOVELACE, KEGAN L., US
[72] WOOD, PATRICK, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-07-20
[86] 2020-02-05 (PCT/US2020/016826)
[87] (WO2021/158215)

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[13] A1
[51] **Int.Cl. A01N 25/04 (2006.01) A01N 59/16 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) C12N 5/00 (2006.01) C12N 5/04 (2006.01)**
[25] EN
[54] **METHODS OF USING A COLLOIDAL SILVER-BASED COMPOSITION IN REDUCING OR PREVENTING MICROBIAL CONTAMINATION IN PLANTS OR EXPLANTS IN TISSUE CULTURE PROCESSES**
[54] **PROCEDES D'UTILISATION D'UNE COMPOSITION A BASE D'ARGENT COLLOIDAL POUR REDUIRE OU PREVENIR UNE CONTAMINATION MICROBIENNE DANS DES PLANTES OU DES EXPLANTS DANS DES PROCEDES DE CULTURE TISSULAIR**
[72] BUCHERT, AGUSTIN, CR
[72] WISCOVITCH, ROBIN, US
[72] PRATT, LAWRENCE, US
[71] CLEARLEAF INC, US
[85] 2022-07-22
[86] 2021-01-15 (PCT/IB2021/050302)
[87] (WO2021/148914)
[30] US (62/964,807) 2020-01-23

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[51] **Int.Cl. E05F 3/00 (2006.01) E05F 3/22 (2006.01)**
[25] EN
[54] **AUTOMATIC DOOR CLOSER**
[54] **FERME-PORTE AUTOMATIQUE**
[72] RASHO, TONY, US
[72] TABAHI, HAZEM, US
[71] THE COOLER CLOSER LLC, US
[85] 2022-07-29
[86] 2020-12-07 (PCT/US2020/063633)
[87] (WO2021/113827)

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[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01)**
[25] EN
[54] **HLA CLASS I-RESTRICTED T CELL RECEPTORS AGAINST RAS WITH G12D MUTATION**
[54] **RECEPTEURS DE LYMPHOCYTES T A RESTRICTION HLA DE CLASSE I DIRIGES CONTRE RAS AYANT UNE MUTATION G12D**
[72] LEVIN, NOAM, US
[72] YOSEPH, RAMI, US
[72] PARIA, BIMAN C., US
[72] ROSENBERG, STEVEN A., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-08-15
[86] 2021-02-12 (PCT/US2021/017794)
[87] (WO2021/163434)
[30] US (62/975,544) 2020-02-12

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[13] A1
[51] **Int.Cl. A61L 2/03 (2006.01) A61L 2/24 (2006.01)**
[25] EN
[54] **GALVANOSTATIC METHOD OF MICROBE REMOVAL FROM METAL ORTHOPEDIC DEVICES**
[54] **PROCEDE GALVANOSTATIQUE D'ELIMINATION DE MICROBES A PARTIR DE DISPOSITIFS ORTHOPEDIQUES METALLIQUES**
[72] HOBBLE, JACKSON G., US
[72] PETERSON, BRIAN R., US
[71] GARWOOD MEDICAL DEVICES, LLC, US
[85] 2022-08-16
[86] 2021-01-13 (PCT/US2021/013178)
[87] (WO2021/146238)
[30] US (62/962,524) 2020-01-17

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[13] A1
[51] **Int.Cl. G06F 16/93 (2019.01) G06F 16/332 (2019.01)**
[25] EN
[54] **INTELLIGENT DOCUMENT SYSTEM**
[54] **SYSTEME DE DOCUMENT INTELLIGENT**
[72] NAHAMOO, DAVID, US
[72] JABLOKOV, IGOR, US
[72] PICKOVER, CLIFFORD A., US
[71] NAHAMOO, DAVID, US
[71] JABLOKOV, IGOR, US
[71] PICKOVER, CLIFFORD A., US
[85] 2022-08-17
[86] 2020-02-18 (PCT/US2020/018624)
[87] (WO2020/172155)
[30] US (62/807,182) 2019-02-18

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[13] A1
[51] **Int.Cl. B61F 1/10 (2006.01) B61G 11/16 (2006.01)**
[25] EN
[54] **RAIL VEHICLE, AND VEHICLE BODY AND END UNDERFRAME THEREOF**
[54] **VEHICULE FERROVIAIRE, CAISSE DE VEHICULE ET SON CHASSIS D'EXTREMITE**
[72] HOU, JIANYING, CN
[72] XU, BAOLEI, CN
[72] ZHANG, SHUOSHAO, CN
[72] HAO, ZHENJIE, CN
[72] ZHANG, JINHUA, CN
[72] WANG, HAISHENG, CN
[72] YANG, YUXI, CN
[72] FU, YINA, CN
[72] ZONG, JIANPING, CN
[72] CHEN, LEHENG, CN
[72] LIU, TAO, CN
[71] CRRC TANGSHAN CO., LTD., CN
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[54] **ICE-MAKING DEVICE FOR SQUARE CUBES USING PAN-PARTITION AND PIN SERPENTINE EVAPORATORS**
[54] **DISPOSITIF DE FABRICATION DE GLACE POUR CUBES CARRES UTILISANT DES PARTITION DU BAC ET DES EVAPORATEURS EN SERPENTIN A BROCHES**
[72] OLSON, WILLIAM E., JR., US
[72] MILLER, RICHARD T., US
[72] HYNEK, TIMOTHY L., US
[72] MYERS, JOHN P., US
[71] ENODIS CORPORATION, US
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[54] **LONG-ACTING VEGF INHIBITORS FOR INTRAOCULAR NEOVASCULARIZATION**
[54] **INHIBITEURS DE VEGF A ACTION PROLONGEE POUR NEOVASCULARISATION INTRAOCULAIRE**
[72] FERRARA, NAPOLEONE, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-08-18
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[54] **OMECAMTIV MECARBIL TABLET**
[54] **COMPRIME D'OMECAMTIV MECARBIL**
[72] BI, MINGDA, US
[72] KIANG, YUAN-HON, US
[72] LOU, HAO, US
[71] AMGEN INC., US
[85] 2022-07-18
[86] 2021-02-10 (PCT/US2021/017429)
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[54] **ULTRA HIGH SURFACE AREA INTEGRATED CAPACITOR**
[54] **CONDENSATEUR INTEGRE A ZONE DE SURFACE ULTRA-ELEVEE**
[72] FLEMMING, JEB H., US
[72] BULLINGTON, JEFF A., US
[71] 3D GLASS SOLUTIONS, INC., US
[85] 2022-07-18
[86] 2021-03-08 (PCT/US2021/021371)
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[30] US (62/988,158) 2020-03-11

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[25] EN
[54] **WATER ELECTROLYSIS AND CRYOGENIC LIQUEFACTION SYSTEM**
[54] **SYSTEME D'ELECTROLYSE DE L'EAU ET DE LIQUEFACTION CRYOGENIQUE**
[72] MOLTER, TRENT M., US
[72] ROY, ROBERT, US
[72] NOTARDONATO, WILLIAM, US
[71] SKYRE, INC., US
[71] ETA SPACE LLC, US
[85] 2022-07-18
[86] 2021-03-01 (PCT/US2021/020210)
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[54] **DEVICE FOR ANTI-FOG ENDOSCOPE SYSTEM**
[54] **DISPOSITIF POUR SYSTEME ENDOSCOPIQUE ANTIBUEE**
[72] CIFELLI, DAN, US
[72] ZHENG, JAMES, US
[72] GU, CHANGMING, US
[72] MAO, RONGZHUANG, US
[72] LI, MINGZHI, US
[72] ZHENG, ANMIN, US
[71] OMEC MEDICAL INC, US
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[86] 2021-02-17 (PCT/US2021/018405)
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[25] EN
[54] **LIGHTBOX FOR DIGITAL PRESERVATION**
[54] **CAISSON LUMINEUX POUR CONSERVATION NUMERIQUE**
[72] GWINN-BECKER, KRISTEN, US
[72] LOWE, II, DONALD, US
[71] HISTORYIT, INC., US
[85] 2022-07-18
[86] 2021-01-28 (PCT/US2021/015589)
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[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING VIRUS PREPARATIONS TO REDUCE HETEROGENEITY**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE PREPARATIONS DE VIRUS POUR REDUIRE L'HETEROGENEITE**
[72] JARROLD, MARTIN F., US
[72] CLEMMER, DAVID E., US
[72] DRAPER, BENJAMIN E., US
[72] BARNES, LAUREN F., US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
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[25] EN
[54] **THERMOPLASTIC FILMS AND PRODUCTS WITH DIFFUSION-BASED COMPARTMENTALIZED ADDITIVE COMPONENTS**
[54] **FILMS THERMOPLASTIQUES ET PRODUITS A COMPOSANTS ADDITIFS COMPARTIMENTES SELON LA DIFFUSION**
[72] FERRACANE, DEAN A., US
[72] STIGLIC, JEFFREY S., US
[72] CISEK, ANTHONY A., US
[72] GREER, JESSICA, US
[72] HONG, JING, US
[71] THE GLAD PRODUCTS COMPANY, US
[85] 2022-07-18
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[25] EN
[54] **PHYSICAL MANIPULATION APPARATUS AND METHODS OF USE AND MANUFACTURE**
[54] **APPAREIL DE MANIPULATION PHYSIQUE ET PROCEDES D'UTILISATION ET DE FABRICATION**
[72] VICTOR, ADRIAAN ALBERTUS, ZA
[71] CHIRONGEN (PROPRIETARY) LIMITED, ZA
[85] 2022-07-18
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[54] **AEROSPACE WARNING TAGS**
[54] **ETIQUETTES D'AVERTISSEMENT AEROSPATIALES**
[72] MOORE, MICHAEL, CA
[71] REDFAB INC., CA
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[86] 2021-01-20 (PCT/CA2021/050053)
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[54] **BLOCKCHAIN-BASED METHOD FOR IMPLEMENTING ELECTRONIC FENCE FOR MORTGAGED VEHICLE AND SYSTEM THEREOF**
[54] **PROCEDE ET SYSTEME DE MISE EN OEUVRE D'UNE CLOTURE ELECTRONIQUE BASEE SUR UNE TECHNOLOGIE DE CHAINE DE BLOCS POUR UN VEHICULE GAGE**
[72] HAN, SONGJIANG, CN
[72] WU, JIE, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-07-19
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[25] EN
[54] **RECOMBINANT FULLY HUMAN ANTI-TIGIT MONOCLONAL ANTIBODY FORMULATION, METHOD FOR PREPARING SAME AND USE THEREOF**
[54] **PREPARATIONS D'ANTICORPS MONOCLONAUX ANTI-TIGIT RECOMBINANTS ENTIEREMENT HUMAINS, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**
[72] ZHANG, HAITAO, CN
[72] MA, LIQIANG, CN
[72] WANG, YINJUE, CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
[85] 2022-07-19
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[51] **Int.Cl. E01D 19/16 (2006.01) F16G 11/00 (2006.01) F16G 11/04 (2006.01)**
[25] EN
[54] **CABLE BENDING LIMITING ARRANGEMENT AND COMBINATION OF A CABLE BENDING LIMITING ARRANGEMENT WITH A CABLE, AN ANCHORAGE, A COMPACTING CLAMP UNIT AND A RECESS PIPE**
[54] **AGENCEMENT DE LIMITATION DE COURBURE DE CABLE ET COMBINAISON D'UN AGENCEMENT DE LIMITATION DE COURBURE DE CABLE AVEC UN CABLE, UN ANCRAGE, UNE UNITE PINCE DE COMPACTAGE ET UN TUYA U CREUX**
[72] BRAND, WERNER, DE
[72] SCHRAML, MARCUS, DE
[71] DYWIDAG-SYSTEMS INTERNATIONAL GMBH, DE
[85] 2022-07-19
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[51] **Int.Cl. B42D 25/305 (2014.01) B42D 25/40 (2014.01) G06K 19/073 (2006.01)**
[25] EN
[54] **SECURITY ELEMENT, ELECTRONIC CARD, ELECTRONIC PAYMENT TERMINAL AND CORRESPONDING ASSEMBLY METHOD**
[54] **ELEMENT DE SECURITE, CARTE ELECTRONIQUE, TERMINAL DE PAIEMENT ELECTRONIQUE ET PROCEDE D'ASSEMBLAGE CORRESPONDANT**
[72] LAMBERT, XAVIER, FR
[72] DAJON-LAMARE, BERTRAND, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2022-07-19
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[30] FR (FR2001003) 2020-01-31

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[51] **Int.Cl. A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 1/08 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C07K 14/415 (2006.01) C12N 15/10 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT HAPLOID INDUCER PLANT AND USES**
[54] **PLANTE INDUCTRICE HAPLOIDE DE BLE ET UTILISATIONS**
[72] COMADRAN, JORDI, FR
[72] MARTINANT, JEAN-PIERRE, FR
[72] PAUL, WYATT, FR
[72] SPECEL, SEBASTIEN, FR
[71] LIMAGRAIN EUROPE, FR
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[87] (WO2021/148447)
[30] EP (20305047.1) 2020-01-21

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[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/63 (2006.01)**
[25] EN
[54] **GENE EDITING FOR THE TREATMENT OF EPIDERMOLYSIS BULLOSA**
[54] **EDITION GENIQUE POUR LE TRAITEMENT DE L'EPIDERMOLYSE BULLEUSE**
[72] BONAFONT ARAGO, JOSE, ES
[72] LARCHER LAGUZZI, FERNANDO, ES
[72] MURILLAS ANGOITI, RODOLFO, ES
[72] DEL RIO NECHAEVSKY, MARCELA, ES
[72] MENCIA RODRIGUEZ, ANGELES, ES
[72] GARCIA DIEZ, MARTA, ES
[72] ESCAMEZ TOLEDANO, MARIA JOSE, ES
[72] PORTEUS, MATTHEW, US
[71] UNIVERSIDAD CARLOS III DE MADRID, ES
[71] CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIO AMBIENTALES Y TECNOLOGICAS, O.A., M.P., ES
[71] CONSORCIO CENTRO DE INVESTIGACION BIOMEDICA EN RED, ES
[71] STANFORD UNIVERSITY, US
[71] FUNDACION INSTITUTO INVESTIGACION SANITARIA JIMENEZ DIAZ, ES
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[51] **Int.Cl. A61K 48/00 (2006.01) G01N 24/08 (2006.01) G01R 33/44 (2006.01) C07K 1/16 (2006.01) G01R 33/465 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE LOADING STATE OF AN AAV PARTICLE BY NUCLEAR MAGNETIC RESONANCE RELAXOMETRY**
[54] **PROCEDE DE DETERMINATION DE L'ETAT DE CHARGE D'UNE PARTICULE D'AAV PAR RELAXOMETRIE DE RESONANCE MAGNETIQUE NUCLEAIRE**
[72] HARTL, MAXIMILIAN, DE
[72] FUNKE, DINAH, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-19
[86] 2021-02-12 (PCT/EP2021/053451)
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[25] EN
[54] **CUSTOMER BEHAVIOURAL SYSTEM**
[54] **SYSTEME COMPORTEMENTAL DE CLIENT**
[72] MOLLER, JOHAN, SE
[72] PETTERSSON, TOBIAS, SE
[72] ANGENFELT, MARTIN, SE
[71] ITAB SHOP PRODUCTS AB, SE
[85] 2022-07-19
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[87] (WO2021/150161)
[30] SE (2050058-3) 2020-01-22

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[51] **Int.Cl. B01D 37/00 (2006.01) B01D 39/00 (2006.01) B01J 23/22 (2006.01) C01B 17/74 (2006.01) C01B 17/90 (2006.01)**
[25] EN
[54] **PROCESS FOR THE REMOVAL OF PARTICULATE MATTER FROM AN AQUEOUS STREAM**
[54] **PROCEDE POUR L'ELIMINATION DE MATIERES PARTICULAIRES D'UN COURANT AQUEUX**
[72] LYKKE, MADS, DK
[72] BRORHOLT, LARS PIILMANN, DK
[72] SORENSEN, PER AGGERHOLM, DK
[71] TOPSOE A/S, DK
[85] 2022-07-19
[86] 2021-02-12 (PCT/EP2021/053458)
[87] (WO2021/160804)
[30] DK (PA 2020 00182) 2020-02-14

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[51] **Int.Cl. A61K 31/4439 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **MASITINIB FOR THE TREATMENT OF A MULTIPLE SCLEROSIS PATIENT SUBPOPULATION**
[54] **MASITINIB POUR LE TRAITEMENT D'UNE SOUS-POPULATION DE PATIENTS SOUFFRANT DE SCLEROSE EN PLAQUES**
[72] MOUSSY, ALAIN, FR
[72] MANSFIELD, COLIN, FR
[71] AB SCIENCE, FR
[85] 2022-07-19
[86] 2021-02-19 (PCT/EP2021/054164)
[87] (WO2021/165472)
[30] EP (20305163.6) 2020-02-20

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[51] **Int.Cl. C07C 315/02 (2006.01) B01D 3/00 (2006.01) B01D 5/00 (2006.01) C07C 317/04 (2006.01) C07C 319/14 (2006.01) C07C 321/14 (2006.01) D21C 11/04 (2006.01) C07C 29/74 (2006.01) C07C 31/04 (2006.01) C07C 45/78 (2006.01) C07C 315/06 (2006.01) C07C 319/26 (2006.01)**
[25] EN
[54] **METHOD AND PROCESS PLANT FOR TREATMENT OF A STREAM OF MIXED COMPOUNDS**
[54] **PROCEDE ET INSTALLATION DE TRAITEMENT POUR LE TRAITEMENT D'UN FLUX DE COMPOSES MIXTES**
[72] PARKAS, JIM, SE
[72] ISAKSSON, JOHAN, SE
[72] SOLHAGE, FREDRIK, SE
[71] SODRA SKOGSAGARNA EKONOMISK FORENING, SE
[85] 2022-07-19
[86] 2021-01-27 (PCT/SE2021/050047)
[87] (WO2021/154143)
[30] SE (2050074-0) 2020-01-28

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[51] **Int.Cl. B01D 53/00 (2006.01) C07D 251/60 (2006.01)**
[25] EN
[54] **PROCESS FOR QUENCHING OFFGAS OF MELAMINE SYNTHESIS**
[54] **PROCEDE DE REFROIDISSEMENT RAPIDE D'EFFLUENTS GAZEUX DE LA SYNTHESE DE MELAMINE**
[72] GAMBA, SIMONE, IT
[71] CASALE SA, CH
[85] 2022-07-19
[86] 2021-03-02 (PCT/EP2021/055130)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODIES BINDING TO B7H4**
[54] **ANTICORPS SE LIANT A B7H4**
[72] KOOPMAN, LOUISE, NL
[72] ENGELBERTS, PATRICK, NL
[72] VERZIJL, DENNIS, NL
[72] VAN DEN BRINK, EDWARD N., NL
[72] RADEMAKER, RIK, NL
[72] BOSGRA, SIETO, NL
[72] EGEROD, FREDERIKKE L., DK
[72] SATIJN, DAVID, NL
[72] BREIJ, ESTHER C. W., NL
[71] GENMAB A/S, DK
[85] 2022-07-19
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[51] **Int.Cl. B23K 26/36 (2014.01) B23K 26/035 (2014.01) B23K 26/082 (2014.01) B08B 7/00 (2006.01) B23K 26/00 (2014.01) B23K 26/14 (2014.01)**
[25] EN
[54] **LASER TREATMENT DEVICE AND PROCEDURE FOR LASER TREATMENT**
[54] **DISPOSITIF DE TRAITEMENT AU LASER ET PROCEDURE POUR TRAITEMENT AU LASER**
[72] CRETSKENS, PIETER, BE
[72] FLAAM, EMMANUEL, BE
[71] NETALUX NV, BE
[85] 2022-07-19
[86] 2021-01-26 (PCT/IB2021/050577)
[87] (WO2021/152450)
[30] BE (2020/5050) 2020-01-27

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[51] **Int.Cl. C05D 1/02 (2006.01) C05D 1/04 (2006.01) C05D 3/00 (2006.01)**
[25] EN
[54] **MULTI-PHASE MATERIAL-CONTAINING COMPOSITIONS AND RELATED METHODS OF PREPARATION AND USE**
[54] **COMPOSITIONS CONTENANT DES MATERIAUX A PLUSIEURS PHASES ET PROCEDES ASSOCIES DE PREPARATION ET D'UTILISATION**
[72] WENDER, INGO, BR
[72] CHEN, DENNIS, US
[72] LE BLOND, JENNIFER, US
[72] DIEP, VANNARA, US
[72] RODRIGUES, MARCOS, BR
[72] SATO, JULIANA, BR
[72] DE OLIVEIRA, MARCELO, US
[71] ADVANCED POTASH TECHNOLOGIES, LTD., KY
[71] WENDER, INGO, BR
[85] 2022-07-19
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[87] (WO2021/165855)
[30] US (62/977,948) 2020-02-18

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[25] EN
[54] **ANTI-IDE ANTIBODIES AND USES OF SAME**
[54] **ANTICORPS ANTI-IDE ET LEURS UTILISATIONS**
[72] BENHAR, ITAI, IL
[72] NAHARY, LIMOR, IL
[72] FRENKEL, DAN, IL
[72] FURSHT, OFIR, IL
[72] NASH, YUVAL, IL
[72] LIRAN, MIRIT, IL
[71] RAMOT AT TEL AVIV UNIVERSITY LTD., IL
[85] 2022-07-19
[86] 2020-12-10 (PCT/IL2020/051279)
[87] (WO2021/149040)
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[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE FOR BEVERAGES**
[54] **CAPSULE POUR BOISSONS**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[71] SARONG SOCIETA' PER AZIONI, IT
[85] 2022-07-19
[86] 2021-02-18 (PCT/IB2021/051367)
[87] (WO2021/165866)
[30] IT (102020000003425) 2020-02-19
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[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE FOR BEVERAGES**
[54] **CAPSULE DE BOISSON**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[71] SARONG SOCIETA' PER AZIONI, IT
[85] 2022-07-19
[86] 2021-02-18 (PCT/IB2021/051371)
[87] (WO2021/165869)
[30] IT (102020000003425) 2020-02-19
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[51] **Int.Cl. C22C 21/00 (2006.01) B23K 35/02 (2006.01) B23K 35/28 (2006.01) F28F 21/08 (2006.01) B32B 15/01 (2006.01)**
[25] EN
[54] **ALUMINIUM ALLOY SHEET MATERIAL AND HEAT EXCHANGER INCORPORATING SUCH AN ALUMINIUM ALLOY SHEET MATERIAL**
[54] **MATERIAU DE FEUILLE D'ALLIAGE D'ALUMINIUM ET ECHANGEUR DE CHALEUR INCORPORANT UN TEL MATERIAU DE FEUILLE D'ALLIAGE D'ALUMINIUM**
[72] RITZ, FABIAN, DE
[72] JACOBY, BERND, DE
[72] SMEYERS, AXEL ALEXANDER MARIA, DE
[72] KIRKHAM, STEVEN, DE
[71] ALERIS ROLLED PRODUCTS GERMANY GMBH, DE
[85] 2022-07-19
[86] 2021-04-27 (PCT/IB2021/053457)
[87] (WO2021/220152)
[30] EP (20171764.2) 2020-04-28

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[51] **Int.Cl. A01K 15/02 (2006.01) A01K 5/01 (2006.01)**
[25] EN
[54] **PET TOY**
[54] **JOUET POUR ANIMAL DE COMPAGNIE**
[72] BARTHOLOMEW MICHAEL LEE, AU
[72] CLAIRE, JEMIMAH REILLY, AU
[71] MONCHBALL IP PTY LTD, AU
[85] 2022-07-20
[86] 2021-02-24 (PCT/AU2021/050157)
[87] (WO2021/168508)
[30] AU (2020900524) 2020-02-24

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[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/24 (2006.01) A61K 8/33 (2006.01) A61K 8/55 (2006.01) A61K 8/64 (2006.01) A61K 8/96 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL COMPOSITION WITH SYNERGISTIC ASSOCIATION OF ORGANIC AND INORGANIC COMPONENTS FOR COMPLETE MAINTENANCE OF ORAL HEALTH, METHOD FOR OBTAINING SAME AND USES**
[54] **COMPOSITION ORALE AVEC ASSOCIATION SYNERGIQUE DE COMPOSES ORGANIQUES ET INORGANIQUES POUR L'ENTRETIEN COMPLET DE LA SANTE BUCCALE, PROCEDE D'OBTENTION ET UTILISATIONS**
[72] VILHENA, FABIANO VIEIRA, BR
[71] TEIXEIRA, MARCELO RODRIGUES, BR
[71] VILHENA, FABIANO VIEIRA, BR
[71] RABBIT INDUSTRIA E COMERCIO DE PRODUTOS DE HIGIENE PESSOAL LTDA, BR
[85] 2022-07-20
[86] 2020-01-29 (PCT/BR2020/050018)
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[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/10 (2006.01) C09K 8/32 (2006.01)**
[25] EN
[54] **APPLICATION OF ENZYME-BASED GREEN SOLVENTS FOR THE RECOVERY OF SUBSURFACE FLUIDS**
[54] **APPLICATION DE SOLVANTS ECOLOGIQUES A BASE D'ENZYME POUR LA RECUPERATION DE FLUIDES SOUTERRAINS**
[72] SALAHSHOOR, SHADI, US
[71] GAS TECHNOLOGY INSTITUTE, US
[85] 2022-07-19
[86] 2021-02-19 (PCT/US2021/018866)
[87] (WO2021/168315)
[30] US (62/978,987) 2020-02-20
[30] US (17/175,116) 2021-02-12

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[25] EN
[54] **IMMOBILIZATION OF INSOLUBLE PARTICLES IN POLYMER**
[54] **IMMOBILISATION DE PARTICULES INSOLUBLES DANS UN POLYMERE**
[72] KHOSLA, AJIT, JP
[72] FURUKAWA, HIDEMITSU, JP
[72] STEVENS, DAVID TERENCE MICHAEL, CA
[72] LEZNOFF, DANIEL, CA
[72] GRAY, BONNIE, CA
[71] SIMON FRASER UNIVERSITY, CA
[85] 2022-07-20
[86] 2021-01-22 (PCT/CA2021/000007)
[87] (WO2021/146794)
[30] US (62/964,568) 2020-01-22

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[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **SENSITIVITY EVALUATION METHOD, OPHTHALMIC LENS DESIGN METHOD, OPHTHALMIC LENS MANUFACTURING METHOD, OPHTHALMIC LENS, OPHTHALMIC LENS ORDERING DEVICE, OPHTHALMIC LENS ORDER RECEIVING DEVICE, AND OPHTHALMIC LENS ORDER RECEIVING/ORDERING SYSTEM**
[54] **METHODE D'EVALUATION DE LA SENSIBILITE, METHODE DE CONCEPTION DE LENTILLE OPHTALMIQUE, METHODE DE FABRICATION DE LENTILLE OPHTALMIQUE, LENTILLE OPHTALMIQUE, DISPOSITIF DE COMMANDE DE LENTILLE OPHTALMIQUE, DISPOSITIF DE RECEPTION DE LENTILLE OPHTALMIQUE ET SYSTEME DE COMMANDE ET DE RECEPTION DE LENTILLE OPHTALMIQUE**
[72] CHO, SUNGJIN, JP
[71] NIKON-ESSILOR CO., LTD., JP
[85] 2022-07-20
[86] 2020-02-06 (PCT/JP2020/004521)
[87] (WO2021/157001)

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[51] **Int.Cl. B09B 1/00 (2006.01) C10L 3/08 (2006.01) E21B 43/12 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **AUTOMATED COMPLIANCE MEASUREMENT AND CONTROL FOR LANDFILL GAS EXTRACTION SYSTEMS**
[54] **MESURE ET COMMANDE DE CONFORMITE AUTOMATISEES POUR DES SYSTEMES D'EXTRACTION DE GAZ D'ENFOUISSEMENT**
[72] QUIGLEY, PETER, US
[72] MARTIN, IAN, US
[72] ROWBOTTOM, JACK, US
[72] NEFF, NICOLE, US
[71] LOCI CONTROLS, INC., US
[85] 2022-07-19
[86] 2021-01-19 (PCT/US2021/013850)
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[30] US (62/967,147) 2020-01-29

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[51] **Int.Cl. B65B 29/00 (2006.01) A01N 3/00 (2006.01) A61K 36/185 (2006.01) B65B 31/04 (2006.01) B65D 81/20 (2006.01) C07C 65/19 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **METHOD FOR PREVENTING OR REDUCING CANNABACEAE BIOMASS DECOMPOSITION**
[54] **PROCEDE DE PREVENTION OU DE REDUCTION DE LA DECOMPOSITION DE LA BIOMASSE DE CANNABACEAE**
[72] GIRET, SIMON, CA
[72] GOSSELIN, ANDRE, CA
[72] MELLON, CHRISTOPHE, CA
[71] PURCANN PHARMA INC., CA
[85] 2022-07-20
[86] 2021-01-29 (PCT/CA2021/050093)
[87] (WO2021/151198)
[30] US (62/967,648) 2020-01-30

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[51] **Int.Cl. A01C 7/06 (2006.01) A01B 49/06 (2006.01) A01C 5/06 (2006.01) A01C 5/08 (2006.01) A01C 7/20 (2006.01) A01C 23/02 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUS FOR PLACEMENT OF STARTER FERTILIZER**
[54] **SYSTEMES, PROCEDES, ET APPAREIL SERVANT A PLACER DE L'ENGRAIS DE DEMARRAGE**
[72] SAUDER, TALON, US
[72] KOCH, JUSTIN, US
[72] SAUDER, TIMOTHY, US
[72] RAMP, STEPHEN, US
[72] DORNBIER, ANDREW, US
[72] KAISER, JESSE D., US
[72] SAUDER, GREGG A., US
[71] 360 YIELD CENTER, LLC, US
[85] 2022-07-19
[86] 2021-01-20 (PCT/US2021/014131)
[87] (WO2021/150572)
[30] US (62/963,254) 2020-01-20

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[13] A1
[51] **Int.Cl. C11C 1/00 (2006.01) A23L 33/12 (2016.01) C11C 1/02 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING A SOLID FORM OF BASIC AMINO ACID SALTS OF POLYUNSATURATED FATTY ACIDS**
[54] **PROCEDE DE PREPARATION D'UNE FORME SOLIDE DE SELS D'ACIDES AMINES BASIQUES D'ACIDES GRAS POLYINSATURES**
[72] WU, XIAOWEI, CA
[72] MELLON, CHRISTOPHE, CA
[71] SILICYCLE INC., CA
[85] 2022-07-20
[86] 2021-01-29 (PCT/CA2021/050094)
[87] (WO2021/151199)
[30] US (62/967,657) 2020-01-30

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[13] A1
[51] **Int.Cl. C11C 1/00 (2006.01) A23L 33/12 (2016.01) C11B 5/00 (2006.01) C11C 1/02 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **PROCESS OF PRODUCING MAGNESIUM SALTS OF PUFAS AND COMPOSITION CONTAINING SAME**
[54] **PROCEDE DE PRODUCTION DE SELS DE MAGNESIUM DE PUFA ET COMPOSITION LES CONTENANT**
[72] CARPENTIER, CLAUDIA, CA
[72] MELLON, CHRISTOPHE, CA
[72] PIGEON, XAVIER, CA
[72] WU, XIAOWEI, CA
[71] SILICYCLE INC., CA
[85] 2022-07-20
[86] 2021-01-29 (PCT/CA2021/050095)
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[30] US (62/967,666) 2020-01-30

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[13] A1
[51] **Int.Cl. C11C 1/00 (2006.01) A23L 33/12 (2016.01) C11C 1/02 (2006.01) C11C 1/08 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING SOLID NEUTRAL AMINO ACID SALTS OF POLYUNSATURATED FATTY ACIDS**
[54] **PROCEDE DE PRODUCTION DE SELS D'ACIDES AMINES NEUTRES SOLIDES D'ACIDES GRAS POLYINSATURES**
[72] WU, XIAOWEI, CA
[72] MELLON, CHRISTOPHE, CA
[72] CARPENTIER, CLAUDIA, CA
[72] PIGEON, XAVIER, CA
[71] SILICYCLE INC., CA
[85] 2022-07-20
[86] 2021-01-29 (PCT/CA2021/050096)
[87] (WO2021/151201)
[30] US (62/967,667) 2020-01-30

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[13] A1
[51] **Int.Cl. A41H 3/00 (2006.01) G06T 19/20 (2011.01) A41H 43/00 (2006.01) D05B 33/00 (2006.01)**
[25] EN
[54] **AUTOMATIC DETERMINATION OF SEWING LINES FOR ASSEMBLING PATTERN PIECES OF GARMENT**
[54] **DETERMINATION AUTOMATIQUE DE LIGNES DE COUTURE POUR ASSEMBLER DES PIECES DE MOTIF DE VETEMENT**
[72] MA, JAE HWAN, KR
[71] CLO VIRTUAL FASHION INC., KR
[85] 2022-07-20
[86] 2021-01-22 (PCT/KR2021/000901)
[87] (WO2021/150056)
[30] KR (10-2020-0009358) 2020-01-23
[30] KR (10-2020-0122350) 2020-09-22
[30] KR (10-2020-0122378) 2020-09-22
[30] KR (10-2020-0178512) 2020-12-18

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[13] A1
[51] **Int.Cl. G06F 3/0482 (2013.01) G06F 3/0484 (2022.01) G16C 20/10 (2019.01)**
[25] EN
[54] **GRAPHICAL USER INTERFACE SYSTEM**
[54] **SYSTEME D'INTERFACE UTILISATEUR GRAPHIQUE**
[72] WOHLSTADTER, JACOB N., US
[72] SIGAL, GEORGE, US
[72] ROQUES, EDWARD J.S., US
[72] PANG, LOUIS W., US
[72] OBEROI, PANKAJ, US
[72] NG, KIN, US
[72] VOCK, MICHAEL, US
[71] METHODICAL MIND, LLC., US
[85] 2022-07-19
[86] 2021-01-21 (PCT/US2021/014379)
[87] (WO2021/150729)
[30] US (62/964,435) 2020-01-22

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[13] A1
[51] **Int.Cl. A21C 11/10 (2006.01) A21C 11/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING SCORED DOUGH PIECES**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE PATONS GRIGNES**
[72] ARNALL, CHAD, US
[72] COX, STEVEN, US
[72] HENDERSON, PAUL, US
[72] HOBART, KARA M., US
[72] MURCH, OLIVIA, US
[72] RASMUSSEN, TODD A., US
[72] SNYDER, MICHAEL, US
[72] WORTHY, RODNEY W., US
[71] GENERAL MILLS, INC., US
[85] 2022-07-19
[86] 2020-12-15 (PCT/US2020/065080)
[87] (WO2021/158292)
[30] US (16/779,886) 2020-02-03

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[13] A1
[51] **Int.Cl. C08J 11/10 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR DEPOLYMERIZING WASTE PLASTIC**
[54] **PROCEDE ET SYSTEME POUR LA DEPOLYMERISATION DE DECHETS PLASTIQUES**
[72] PARROTT, MATTHEW CRAIG, US
[72] LUFT, JAMES CHRISTOPHER, US
[72] SHUPING, DONALD B., US
[72] MATTIACE, MICHAEL DEAN, US
[71] PREMIRR PLASTICS INC., US
[85] 2022-07-19
[86] 2021-01-25 (PCT/US2021/014896)
[87] (WO2021/151071)
[30] US (62/964,948) 2020-01-23

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[13] A1
[51] **Int.Cl. E21B 17/00 (2006.01)**
[25] EN
[54] **DRILL TOOL AND SYSTEM FOR DRILL TOOL IDENTIFICATION**
[54] **OUTIL DE FORAGE ET SYSTEME D'IDENTIFICATION D'OUTIL DE FORAGE**
[72] STENBERG, GORAN, SE
[72] SUNDBERG, HENRIK, SE
[71] EPIROC DRILLING TOOLS AKTIEBOLAG, SE
[85] 2022-07-20
[86] 2021-02-08 (PCT/SE2021/050093)
[87] (WO2021/162611)
[30] SE (2050157-3) 2020-02-13

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[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01) A61P 31/04 (2006.01) C12N 9/12 (2006.01)**
[25] EN
[54] **POLYPEPTIDE HAVING ANTIBACTERIAL ACTIVITY, COMPOSITION FOR PREVENTING OR TREATING SEPSIS COMPRISING SAME, AND ANTIBACTERIAL COMPOSITION**
[54] **POLYPEPTIDE AYANT UNE ACTIVITE ANTIBACTERIENNE, COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DE LA SEPTICEMIE COMPRENANT CELUI-CI, ET COMPOSITION ANTIBACTERIENNE**
[72] PARK, YEONG MIN, KR
[72] KIM, YANGMEE, KR
[72] JUNG, IN DUK, KR
[72] LEE, SEUNG-HYUN, KR
[71] DANDI BIOSCIENCE INC., KR
[85] 2022-07-26
[86] 2020-02-27 (PCT/KR2020/002826)
[87] (WO2020/175936)
[30] KR (10-2019-0023534) 2019-02-28
[30] KR (10-2020-0023629) 2020-02-26

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[13] A1
[51] **Int.Cl. B08B 3/00 (2006.01) C12M 1/00 (2006.01) C11D 1/00 (2006.01) C23F 15/00 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR PULSE DOSE CLEANING OF PROCESS STREAMS**
[54] **PROCEDE ET COMPOSITION POUR LE NETTOYAGE PAR DOSES PULSEES DE COURANTS DE PROCEDE**
[72] FOWLIE, DAVID, US
[71] PHIBRO ANIMAL HEALTH CORPORATION, US
[85] 2022-07-19
[86] 2021-01-26 (PCT/US2021/015111)
[87] (WO2021/154742)

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[13] A1
[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 40/02 (2012.01) G06Q 40/06 (2012.01) G06F 3/0488 (2022.01) G06F 16/242 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED INVESTMENT**
[54] **SYSTEME ET PROCEDE D'INVESTISSEMENT AUTOMATISE**
[72] STARR, ROBERT, US
[72] FROUG, AARON, US
[72] FROUG, ROBIN, US
[71] INTEREST INVESTMENTS, INC., US
[85] 2022-07-20
[86] 2020-04-02 (PCT/US2020/026406)
[87] (WO2021/150260)
[30] US (16/748,445) 2020-01-21

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATING ABNORMAL CELL GROWTH**
[54] **POLYTHERAPIE POUR LE TRAITEMENT D'UNE CROISSANCE CELLULAIRE ANORMALE**
[72] PACHTER, JONATHAN A., US
[72] COMA, SILVIA, US
[71] VERASTEM, INC., US
[85] 2022-07-19
[86] 2021-01-28 (PCT/US2021/015401)
[87] (WO2021/154929)
[30] US (62/968,615) 2020-01-31
[30] US (63/115,433) 2020-11-18

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61L 2/00 (2006.01) A61L 2/08 (2006.01) A61N 5/06 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR REMOVABLE CATHETER VISUAL LIGHT THERAPEUTIC SYSTEM**
[54] **PROCEDE ET APPAREIL POUR SYSTEME THERAPEUTIQUE A LUMIERE VISIBLE DE CATHETER AMOVIBLE**
[72] LONG, CURTIS D., US
[72] BARNECK, MITCHELL D., US
[72] RHODES, NATHANIEL L., US
[72] ALLEN, JAMES P., US
[72] DE LA PRESA, MARTIN, US
[71] LIGHT LINE MEDICAL, INC., US
[85] 2022-07-20
[86] 2020-10-18 (PCT/US2020/056219)
[87] (WO2021/150279)
[30] US (16/747,315) 2020-01-20

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[13] A1
[51] **Int.Cl. A61B 1/00 (2006.01) A61B 17/072 (2006.01) A61B 17/00 (2006.01) A61B 17/29 (2006.01)**
[25] EN
[54] **ACTUATOR MECHANISMS FOR END EFFECTORS**
[54] **MECANISMES ACTIONNEURS POUR EFFECTEURS TERMINAUX**
[72] ESTEVEZ, RAMON, US
[72] SMITH, PAUL, US
[72] VENUTO, KATHRYN, US
[72] DEUEL, CHRISTOPHER R., US
[72] MELANSON, DOUGLAS, US
[72] BOURDON, IAN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-07-19
[86] 2021-02-02 (PCT/US2021/016211)
[87] (WO2021/158545)
[30] US (62/969,725) 2020-02-04

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[13] A1
[51] **Int.Cl. G06F 8/61 (2018.01)**
[25] EN
[54] **REDUCE OS IMAGING TIME USING 'JUST IN TIME' FILE DELIVERY**
[54] **REDUCTION DU TEMPS D'IMAGERIE D'UN SE A L'AIDE DE L'ADMINISTRATION DE FICHIERS « JUSTE A TEMPS »**
[72] COOK, RANDALL RICHARDS, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-07-19
[86] 2021-02-02 (PCT/US2021/016207)
[87] (WO2021/158541)
[30] LU (LU101624) 2020-02-03

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01) A61K 35/14 (2015.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **USE OF MOG FOR PRIMING A TREATMENT FOR GLIOBLASTOMA**
[54] **UTILISATION DE LA MOG POUR AMORCER UN TRAITEMENT DU GLIOBLASTOME**
[72] ROYBAL, KOLE T., US
[72] LIM, WENDELL A., US
[72] SIMIC, MILOS, US
[72] OKADA, HIDEHO, US
[72] CHOE, JOSEPH H., US
[72] WATCHMAKER, PAYAL B., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-07-20
[86] 2020-11-06 (PCT/US2020/059511)
[87] (WO2021/096783)
[30] US (PCT/US2019/060357) 2019-11-07
[30] US (62/980,882) 2020-02-24

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07D 307/20 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DRUG CONJUGATE OF ERIBULIN DERIVATIVE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF IN MEDICINE**
[54] **CONJUGUE DE MEDICAMENT A BASE DE DERIVE D'ERIBULINE, SON PROCEDE DE PREPARATION ET SON APPLICATION EN MEDECINE**
[72] HUANG, JIAN, CN
[72] ZHU, LINGJIAN, CN
[72] YU, XIUZHAO, CN
[72] ZHU, BO, CN
[72] REN, WENMING, CN
[72] TANG, MI, CN
[72] SUN, XING, CN
[72] YANG, YANG, CN
[72] LIANG, JINDONG, CN
[72] HU, QIYUE, CN
[71] SHANGHAI SENHUI MEDICINE CO., LTD., CN
[71] SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD, CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2022-07-20
[86] 2021-01-22 (PCT/CN2021/073314)
[87] (WO2021/148003)
[30] CN (202010073671.6) 2020-01-22
[30] CN (202010114980.3) 2020-02-25
[30] CN (202011153368.3) 2020-10-26

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[13] A1
[51] **Int.Cl. B01D 61/08 (2006.01) E03C 1/10 (2006.01)**
[25] EN
[54] **REVERSE OSMOSIS DRINKING WATER SYSTEM WITH DEDICATED POWERED FAUCET**
[54] **SYSTEME D'EAU POTABLE PAR OSMOSE INVERSE AVEC ROBINET MOTORISE DEDIE**
[72] SCHNEIDEWEND, TEDD M., US
[72] LATHOURIS, BILL, US
[72] HARRIS, CHRISTOPHER G., US
[72] KUNG, CHIA H., US
[72] SLOMA, ADAM, US
[72] WEST, DAVID J., US
[71] CULLIGAN INTERNATIONAL COMPANY, US
[85] 2022-07-19
[86] 2021-02-02 (PCT/US2021/016157)
[87] (WO2021/158513)
[30] US (62/969,506) 2020-02-03

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G05B 19/042 (2006.01)**
[25] EN
[54] **REAL-TIME AND INDEPENDENT CYBER-ATTACK MONITORING AND AUTOMATIC CYBER-ATTACK RESPONSE SYSTEM**
[54] **SURVEILLANCE DE CYBERATTAQUE TEMPS REEL ET INDEPENDANTE ET SYSTEME DE REPONSE DE CYBERATTAQUE AUTOMATIQUE**
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[71] SIEMENS INDUSTRY, INC., US
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[54] **SYSTEMES DE TRAITEMENT DE TISSU**
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[72] BRIGHT II, EARL, US
[72] MAKOWER, JOSHUA, US
[72] FERDINAND, ARTHUR, US
[72] WHITE, AMANDA, US
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[54] **TRADITIONAL CHINESE MEDICINE COMPOUND WITH LUNG-CLEARING AND TOXIN-EXPELLING FUNCTIONS, AND APPLICATION THEREOF**
[54] **COMPOSE DE MEDECINE CHINOISE TRADITIONNELLE AYANT DES FONCTIONS DE NETTOYAGE DES POUMONS ET DE DETOXICATION, ET APPLICATION DE CELUI-CI**
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[71] INSTITUTE OF BASIC RESEARCH IN CLINICAL MEDICINE,CHINA ACADEMY OF CHINESE MEDICAL SCIENCES, CN
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[54] **PROCEDES ET SYSTEMES DE SIMULATION DE RESERVOIR**
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[72] JONSTHOVEL, TOM, NO
[71] SCHLIMBERGER CANADA LIMITED, CA
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[54] **SYSTEMES DE RECOLTE ROBOTIQUES ET PROCEDES**
[72] KNOPF, RYAN R., US
[72] LESSING, JOSHUA AARON, US
[72] CHRISOS, JASON A., US
[72] PRATUSEVICH, MICHELE, US
[72] WASSERMAN, RYAN, US
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[54] **APPAREIL PERMETTANT DE METTRE EN PLACE UN GANT SUR LA PAUME D'UNE MAIN**
[72] SHALOM AVSHALOM, SHLOMO MATAN, IL
[71] SHALOM AVSHALOM, SHLOMO MATAN, IL
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[54] **SAC DE PROTECTION POUR LA MAIN, MATERIAU EN FORME DE BANDE ET UNITES FORMEES A PARTIR DU MATERIAU EN FORME DE BANDE**
[72] CHRISTENSEN, MADS SANDAHL, DK
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[54] **DISPERSIONS SOLIDES AMORPHES DE DASATINIB ET LEURS UTILISATIONS**
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[72] CHEN, TZEHAW, US
[71] NANOCOPOEIA, LLC, US
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[54] **COMPOSITION D'ASPHALTE COMPRENANT UN COMPOSE REACTIF THERMODURCISSABLE**
[72] ORR, BRIAN, US
[72] CAMPBELL, DAHLIA ISHAMA, US
[72] MALONSON, BERNIE LEWIS, US
[71] BASF SE, DE
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[54] **ENZYMES POUR L'ELIMINATION D'ACRYLAMIDE**
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[72] KOPKE, SABRINA, DE
[72] VOGEL, ANDREAS, DE
[72] FELLER, CLAUDIA, DE
[72] BARTSCH, SEBASTIAN, DE
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[54] **VEHICULE MILITAIRE COMPRENANT UN DISPOSITIF DE VISEE ET UN SYSTEME D'OPERATION DE VISEE POUR UN OPERATEUR DE VEHICULE**
[72] SUNDQUIST, RIKARD, SE
[71] BAE SYSTEMS HAGGLUNDS AKTIEBOLAG, SE
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[54] **SYSTEMES ET PROCEDES DE LOCALISATION DE BALISE ULTRASONORE**
[72] NARASIMHAN, SRIVATHSAN, US
[72] KAWAHARA, CRAIG, US
[72] ALLEN, ERIC, US
[71] LISNR, US
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[54] **ASYMMETRICAL CORNER JOINT AND TOOLS FOR MAKING SAME**
[54] **JOINT D'ANGLE ASYMETRIQUE ET OUTILS POUR SA FABRICATION**
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[54] **MICROPARTICULES DE NILOTINIB AMORPHE ET LEURS UTILISATIONS**
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[72] MCTARSNEY, JOSEPH, US
[72] CHEN, TZEHAW, US
[72] SCANLAN, JUSTIN, US
[72] GEYEN, DAREN, US
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[72] YANG, YIA, US
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[54] **SUIVI DE TRANSPORT POUR PORTE DE TYPE MAINS LIBRES**
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[71] CUBIC CORPORATION, US
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[54] **DIGUES GONFLABLES OPTIMISEES**
[72] GANGITANO, KEITH, US
[72] GANGITANO, ANTHONY JOSEPH, US
[72] MASTON, COLE JAMES, US
[71] GANGITANO, KEITH, US
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[54] **DERIVES DE CARBOXAMIDE HETEROAROMATIQUES EN TANT QU'INHIBITEURS DE LA KALLICREINE PLASMATIQUE**
[72] ECKHARDT, MATTHIAS, DE
[72] GIROUD, MAUDE, DE
[72] LANGKOPF, ELKE, DE
[72] MAYER, CAMILLA, DE
[72] WAGNER, HOLGER, DE
[72] WIEDENMAYER, DIETER, DE
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[54] **SET OF PANELS WITH A MECHANICAL LOCKING DEVICE**
[54] **ENSEMBLE DE PANNEAUX DOTES D'UN DISPOSITIF DE VERROUILLAGE MECANIQUE**
[72] DERELOV, PETER, SE
[72] SVENSSON, JOHAN, SE
[71] VALINGE INNOVATION AB, SE
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[72] KOPKE, SABRINA, DE
[72] VOGEL, ANDREAS, DE
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[54] **A FILTER PLATE FRAME ASSEMBLY AND A HORISONTAL FILTER PRESS, SUCH AS A TOWER PRESS, HAVING SUCH A PLATE FRAME ASSEMBLY**
[54] **ENSEMBLE CADRE DE PLAQUE FILTRANTE ET FILTRE-PRESSE HORIZONTAL, TELLE QU'UNE PRESSE A TOUR, COMPRENANT UN TEL ENSEMBLE CADRE DE PLAQUE**
[72] MUSTAKANGAS, MIRVA, FI
[72] JUVONEN, ISMO, FI
[72] KAIPAINEN, JANNE, FI
[72] ELORANTA, TEEMU, FI
[72] ILLI, MIKA, FI
[72] VANTTINEN, KARI, FI
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[54] **NANOPARTICULES LIPIDIQUES**
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[72] SCHIFFELERS, RAYMOND MICHEL, NL
[72] KOOIJMANS, SANDER ALEXANDER ANTONIUS, NL
[71] ETHERNA IMMUNOTHERAPIES NV, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
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[54] **ELIMINATION AUTOMATISEE DE CARCASSES D'ANIMAUX**
[72] HARTUNG, JORG, DE
[72] ROSES DOMENECH, DANIEL, ES
[72] LEHR, HEINER, ES
[71] FARM ROBOTICS AND AUTOMATION SL, ES
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[54] **PESEE D'ANIMAUX**
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[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE BIOREACTEUR**
[72] KARNIELI, OHAD, IL
[72] BERCOVICH, NOAM, IL
[71] ADVA BIOTECHNOLOGY LTD., IL
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[54] **STRUCTURE DE TRANSITION POUR LE PONTAGE D'UN JOINT DE STRUCTURE**
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[71] MAURER ENGINEERING GMBH, DE
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[54] **ANTICORPS ANTI-E-SELECTINE, COMPOSITIONS ET PROCEDES D'UTILISATION**
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[72] BOWLEY, SHERYL RUBIO, US
[72] ELWELL, JOANNE ELIZABETH-AYRISS, US
[72] LIN, LAURA, US
[72] NARULA, JATIN, US
[72] PARNG, CHUENLEI, US
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[72] RAKHE, SWAPNIL, US
[72] YU, CHIHYI VINCENT, US
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[54] **STRUCTURE SLIDING BEARING AND STRUCTURE BEARING SYSTEM**
[54] **PALIER COULISSANT DE STRUCTURE ET SYSTEME DE PALIER DE STRUCTURE**
[72] BRAUN, CHRISTIAN, DE
[71] MAURER ENGINEERING GMBH, DE
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[54] **INTEGRAL GAS-INTRODUCTION AND STIRRING UNIT FOR GAS-LIQUID REACTORS**
[54] **UNITE INTEGRALE D'INTRODUCTION ET D'AGITATION DE GAZ POUR REACTEURS GAZ-LIQUIDE**
[72] BONGARTZ, PATRICK, DE
[72] MEYER, MORITZ, DE
[72] WESSLING, MATTHIAS, DE
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[25] EN
[54] **PILEDRIVER MODULES, ADAPTIVE PILE DRIVER SYSTEM AND CORRESPONDING METHOD**
[54] **MODULES DE MARTEAU PILON, SYSTEME DE MARTEAU PILON ADAPTATIF ET PROCEDE CORRESPONDANT**
[72] HANSSON, ANDREAS, SE
[71] A HANSSON HOLDING AB, SE
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[54] **POLYETHYLENE HAUTE DENSITE POUR ARTICLES RIGIDES**
[72] KONAGANTI, VINOD, CA
[72] YAMANE, MARCELO, CA
[71] NOVA CHEMICALS CORPORATION, CA
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[25] EN
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[54] **COMPOSITION EDULCORANTE**
[72] EDSTROM, PATRIK, SE
[72] AIDOO, ROGER, SE
[71] BAYN SOLUTIONS AB, SE
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[87] (WO2021/156471)
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[25] EN
[54] **MICROFLUIDIC PROCESSING SYSTEM AND METHOD OF AGRICULTURAL SLURRY**
[54] **SYSTEME DE TRAITEMENT MICROFLUIDIQUE ET PROCEDE DE PREPARATION DE BOUILLIE AGRICOLE**
[72] SWANSON, TODD, US
[72] SCHAEFER, TIMOTHY, US
[72] KOCH, DALE, US
[72] MINARICH, NICHOLAS, US
[72] LITWILLER, RILEY, US
[71] PRECISION PLANTING LLC, US
[85] 2022-07-20
[86] 2021-04-07 (PCT/IB2021/052872)
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[54] **SLURRY FILTER ASSEMBLY**
[54] **ENSEMBLE FILTRE DE BOULLIE**
[72] SWANSON, TODD, US
[72] MINARICH, NICHOLAS, US
[72] WINKLER, NICHOLAS, US
[71] PRECISION PLANTING LLC, US
[85] 2022-07-20
[86] 2021-04-07 (PCT/IB2021/052875)
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[30] US (63/017,789) 2020-04-30
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[25] EN
[54] **REFRIGERATOR INTEGRATED WITH AN ATMOSPHERIC WATER HARVESTING UNIT, AND METHODS OF USING THEREOF**
[54] **REFRIGERATEUR INTEGRE A UNE UNITE DE COLLECTE D'EAU ATMOSPHERIQUE, ET SES PROCEDES D'UTILISATION**
[72] KUO, DAVID S., US
[72] MARCHON, BRUNO, US
[72] KAPUSTIN, EUGENE A., US
[71] WATER HARVESTING INC., US
[85] 2022-08-19
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[25] EN
[54] **WEDGE CABLE CONNECTOR**
[54] **CONNECTEUR DE CABLE CUNEIFORME**
[72] JUSHCHYSHYN, JEREMY, US
[72] POLIDORI, NICHOLAS, US
[72] BUCCIERO, MICHAEL ANTHONY, US
[71] BURNDY, LLC, US
[85] 2022-07-19
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[25] EN
[54] **COMBINATIONAL OUTPUT SLEEP SYSTEM**
[54] **SYSTEME DE COUCHAGE A SORTIE COMBINATOIRE**
[72] KARP, HARVEY NEIL, US
[72] FORNELL, PETER, US
[71] HB INNOVATIONS, INC., US
[85] 2022-07-19
[86] 2021-01-22 (PCT/US2021/014556)
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[30] US (16/752,411) 2020-01-24

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[51] **Int.Cl. A63B 57/00 (2015.01) A42B 1/00 (2021.01) A42B 1/24 (2021.01)**
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[54] **BALL MARKER HOLDER WITH REMOVABLE BALL MARKER**
[54] **SUPPORT DE REPERE DE BALLE DE GOLF AVEC REPERE AMOVIBLE**
[72] ELDRIDGE, MATTHEW RYAN, US
[72] BRUALLA, LUIS, ES
[71] SNAPS VENTURES INC., US
[85] 2022-07-19
[86] 2021-01-21 (PCT/US2021/014467)
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[51] **Int.Cl. G01N 21/67 (2006.01)**
[25] EN
[54] **INFLAMMABLE SPARK ESTIMATION SYSTEM**
[54] **SYSTEME D'EVALUATION D'ETINCELLE GENERANT UNE FLAMME**
[72] NISHI, TAKAYUKI, JP
[72] OHTSUKA, SHINYA, JP
[71] SUBARU CORPORATION, JP
[71] KYUSHU INSTITUTE OF TECHNOLOGY, JP
[85] 2022-07-19
[86] 2021-02-09 (PCT/JP2021/004818)
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[25] EN
[54] **DEVICE AND METHOD FOR MONITORING PATIENT COMPLIANCE**
[54] **DISPOSITIF ET PROCEDE DE SURVEILLANCE DE LA CONFORMITE D'UN PATIENT**
[72] STINTON, SHAUN KEVIN, US
[72] DITTMAR, EDWARD, US
[72] BRANCH, THOMAS P., US
[72] MADDEN, CHRISTOPHER T., US
[71] ERMI LLC, US
[85] 2022-08-19
[86] 2020-02-21 (PCT/US2020/019292)
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[30] US (62/808,552) 2019-02-21

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[25] EN
[54] **ARYLAMIDE DERIVATIVE HAVING ANTITUMOR ACTIVITY**
[54] **DERIVE ARYLAMIDE AYANT UNE ACTIVITE ANTITUMORALE**
[72] ISSHIKI, YOSHIAKI, JP
[72] WATANABE, FUMIO, JP
[72] TOMIZAWA, MASAKI, JP
[72] HADA, KIHITO, JP
[72] HATTORI, KAZUO, JP
[72] KAWASAKI, KENICHI, JP
[72] HYODO, IKUMI, JP
[72] AOKI, TOSHIHIRO, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2022-07-19
[86] 2021-01-21 (PCT/JP2021/002088)
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[25] EN
[54] **METHOD OF VISUALIZING AND QUANTIFYING REMINERALIZATION**
[54] **PROCEDE DE VISUALISATION ET DE QUANTIFICATION DE REMINERALISATION**
[72] RICHTMYER, MATTHEW, US
[72] TESTER, CHANTEL, US
[72] QUEIROZ, DANIEL, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2022-07-21
[86] 2020-10-02 (PCT/IB2020/059268)
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[25] EN
[54] **BINDER COMPOSITIONS AND COMPOSITE**
[54] **COMPOSITIONS LIANTES ET COMPOSITE**
[72] MULIK, SUDHIR, US
[72] BREYER, ROBERT, US
[72] HAGIOPOL, CORNEL, US
[72] MILLER, ROBERT, US
[71] GEORGIA-PACIFIC CHEMICALS LLC, US
[85] 2022-07-21
[86] 2021-01-20 (PCT/IB2021/050430)
[87] (WO2021/148964)
[30] US (62/965,222) 2020-01-24

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[25] EN
[54] **SYSTEM FOR THE LOADING AND IMPLANTING OF SHAPE MEMORY IMPLANTS**
[54] **SYSTEME POUR LE CHARGEMENT ET L'IMPLANTATION D'IMPLANTS A MEMOIRE DE FORME**
[72] CHENEY, DANIEL F., US
[72] RITZ, JOSEPH P., US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2022-07-21
[86] 2021-01-29 (PCT/IB2021/050724)
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[30] US (16/775,577) 2020-01-29

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[51] **Int.Cl. H04B 7/0413 (2017.01) H04B 7/0452 (2017.01) H04B 7/0491 (2017.01) H01Q 3/26 (2006.01) H01Q 21/20 (2006.01) H01Q 21/26 (2006.01) H04B 7/06 (2006.01)**
[25] EN
[54] **ACTIVE DISTRIBUTED ANTENNA SYSTEM WITH FREQUENCY TRANSLATION AND SWITCH MATRIX**
[54] **SYSTEME D'ANTENNES DISTRIBUEES ACTIVES A TRANSLATION DE FREQUENCE ET MATRICE DE COMMUTATION**
[72] CARDONA, SERGIO E.. JR., US
[72] PATRICK, KEVIN W., US
[72] BLUMKE, JOEL, US
[72] CARDERO, SILVIO, US
[71] ELECTRONIC DESIGN & DEVELOPMENT, CORP., US
[85] 2022-07-21
[86] 2020-08-06 (PCT/US2020/045286)
[87] (WO2021/150269)
[30] US (16/750,337) 2020-01-23
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[30] US (62/979,765) 2020-02-21
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[51] **Int.Cl. G01N 35/00 (2006.01)**
[25] EN
[54] **AUTOSAMPLERS AND ANALYTIC SYSTEMS AND METHODS INCLUDING SAME**
[54] **ECHANTILLONNEURS AUTOMATIQUES, ET SYSTEMES ET PROCEDES ANALYTIQUES LES COMPRENANT**
[72] CHIAPPETTA, ANTHONY, US
[72] FERRARA, KEITH, US
[72] GERETY, EUGENE P., US
[72] JANDO, SZILVESZTER C., US
[72] TOLLEY, SAMUEL, US
[71] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2022-07-21
[86] 2020-10-02 (PCT/US2020/053893)
[87] (WO2021/178006)
[30] US (62/984,039) 2020-03-02
[30] US (17/060,752) 2020-10-01

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[51] **Int.Cl. A21C 11/02 (2006.01) A21C 11/10 (2006.01) A21C 11/12 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING SCORED DOUGH PIECES**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE PATONS GRIGNES**
[72] COX, STEVEN J., US
[72] HOBART, KARA M., US
[71] GENERAL MILLS, INC., US
[85] 2022-07-21
[86] 2020-12-15 (PCT/US2020/065082)
[87] (WO2021/158293)
[30] US (16/780,127) 2020-02-03

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[51] **Int.Cl. A23K 50/00 (2016.01) A23L 33/195 (2016.01) A61K 9/00 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/36 (2006.01) A61K 47/42 (2017.01)**
[25] EN
[54] **EXPANDED FOAM FOR DELIVERY OF FUNCTIONAL INGREDIENTS**
[54] **MOUSSE EXPANSEE POUR LA DISTRIBUTION D'INGREDIENTS FONCTIONNELS**
[72] FOLAN, MICHAEL A., IE
[72] FOLAN, DAVID A., IE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[71] WESTGATE BIOMEDICAL LIMITED, IE
[85] 2022-07-21
[86] 2021-01-19 (PCT/US2021/013941)
[87] (WO2021/150501)
[30] US (62/963,726) 2020-01-21

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[51] **Int.Cl. E04B 2/92 (2006.01) E04B 1/61 (2006.01) E04B 2/88 (2006.01)**
[25] EN
[54] **EXTERIOR WALL SYSTEM**
[54] **SYSTEME DE PAROI EXTERNE**
[72] SMITH, KIRT, US
[72] WALSWICK, CHAD, US
[72] FRANK, JOHN, US
[72] HEYMANN, JEFF, US
[72] WILSON, ALEX, US
[72] RASCHKE, RYAN, US
[71] MITEK HOLDINGS, INC., US
[85] 2022-07-21
[86] 2021-01-20 (PCT/US2021/014117)
[87] (WO2021/150562)
[30] US (62/963,976) 2020-01-21
[30] US (63/010,338) 2020-04-15
[30] US (17/068,888) 2020-10-13

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[51] **Int.Cl. A61K 35/761 (2015.01) A61K 35/768 (2015.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 14/36 (2006.01) C12N 7/00 (2006.01) C12N 9/10 (2006.01) C12N 9/24 (2006.01) C12N 9/88 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **DELIVERY OF SIALIDASE TO CANCER CELLS, IMMUNE CELLS AND THE TUMOR MICROENVIRONMENT**
[54] **ADMINISTRATION DE SIALIDASE A DES CELLULES CANCEREUSES, DES CELLULES IMMUNITAIRES ET AU MICROENVIRONNEMENT TUMORAL**
[72] CHANG, NANCY, US
[71] ANSUN BIOPHARMA, INC., US
[85] 2022-07-21
[86] 2021-01-20 (PCT/US2021/014225)
[87] (WO2021/150635)
[30] US (62/964,082) 2020-01-21
[30] US (63/132,420) 2020-12-30

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[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **BALLOON PROTECTORS AND BALLOON-CATHETER ASSEMBLIES**
[54] **PROTECTEURS DE BALLONNET ET ENSEMBLES CATHETER A BALLONNET**
[72] GRISWOLD, DAVID, US
[72] LECY, CYAL, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2022-07-21
[86] 2021-01-21 (PCT/US2021/014384)
[87] (WO2021/158375)
[30] US (62/969,900) 2020-02-04

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[51] **Int.Cl. G06K 9/00 (2022.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR AUGMENTING DEPTH DATA FROM A DEPTH SENSOR, SUCH AS WITH DATA FROM A MULTIVIEW CAMERA SYSTEM**
[54] **PROCEDES ET SYSTEMES D'AUGMENTATION DE DONNEES DE PROFONDEUR A PARTIR D'UN CAPTEUR DE PROFONDEUR, PAR EXEMPLE AVEC DES DONNEES PROVENANT D'UN SYSTEME DE CAMERA MULTIVUE**
[72] NONN, THOMAS IVAN, US
[72] COLMENARES, DAVID JULIO, US
[72] YOUNGQUIST, JAMES ANDREW, US
[71] PROPRIO, INC., US
[85] 2022-07-21
[86] 2021-01-21 (PCT/US2021/014397)
[87] (WO2021/150741)
[30] US (62/963,717) 2020-01-21

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[51] **Int.Cl. B29C 39/42 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MICROFLUIDIC DEVICE MANUFACTURING**
[54] **PROCEDES ET SYSTEMES POUR LA FABRICATION D'UN DISPOSITIF MICROFLUIDIQUE**
[72] HUNG, JU-SUNG, US
[72] LINN, FELICIA, US
[72] LIN, ROBERT, US
[71] COMBINATI INCORPORATED, US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014558)
[87] (WO2021/150855)
[30] US (62/965,690) 2020-01-24

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[51] **Int.Cl. B29D 30/06 (2006.01) B60C 13/00 (2006.01) G06K 1/12 (2006.01) G06K 7/00 (2006.01)**
[25] EN
[54] **PORTABLE TIRE SCANNERS AND RELATED METHODS AND SYSTEMS**
[54] **SCANNERS DE PNEU PORTABLES ET PROCEDES ET SYSTEMES ASSOCIES**
[72] BARRAM, PETER J., US
[72] ALLEN, WAYNE, US
[72] GIDWANI, SANJAY, US
[71] OSWEGO INNOVATIONS TWO INC., US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014658)
[87] (WO2021/150922)
[30] US (62/965,580) 2020-01-24

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[13] A1
[51] **Int.Cl. C07K 14/78 (2006.01)**
[25] EN
[54] **ANIMAL-FREE DIETARY COLLAGEN**
[54] **COLLAGENE ALIMENTAIRE EXEMPT DE SUBSTANCE ANIMALE**
[72] OUZOUNOV, NIKOLAY, US
[72] MELLIN, JEFFREY R., US
[72] CO, JULIA, US
[71] GELTOR, INC., US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014714)
[87] (WO2021/150959)
[30] US (62/965,700) 2020-01-24
[30] US (63/117,243) 2020-11-23

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[13] A1
[51] **Int.Cl. H02H 3/06 (2006.01) H02H 3/07 (2006.01) H02H 3/08 (2006.01) H02H 3/12 (2006.01) H02H 3/24 (2006.01) H02H 7/045 (2006.01) H02H 7/22 (2006.01)**
[25] EN
[54] **PWM CONTROL FOR POWER DISTRIBUTION CIRCUIT INTERRUPTING DEVICES**
[54] **COMMANDE PWM POUR DISPOSITIFS D'INTERRUPTION DE CIRCUIT DE DISTRIBUTION D'ENERGIE**
[72] AGLIATA, PETER MICHAEL, US
[72] DE FONSEKA, ROHAN J., US
[71] HUBBELL INCORPORATED, US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014739)
[87] (WO2021/150978)
[30] US (62/965,579) 2020-01-24
[30] US (63/046,387) 2020-06-30

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[13] A1
[51] **Int.Cl. H01B 7/04 (2006.01) G01R 31/08 (2020.01) H01B 7/17 (2006.01) H01B 7/29 (2006.01) H01B 7/295 (2006.01) H01B 7/32 (2006.01) H01B 7/42 (2006.01)**
[25] EN
[54] **GROUND CABLE WITH VISUAL INDICATOR**
[54] **CABLE DE MISE A LA TERRE AVEC INDICATEUR VISUEL**
[72] JORDAN, JEFFREY THOMAS, US
[71] COPPERWELD BIMETALLICS LLC, US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014741)
[87] (WO2021/150980)
[30] US (62/965,059) 2020-01-23

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **ZINC FINGER PROTEIN TRANSCRIPTION FACTORS FOR REPRESSING TAU EXPRESSION**
[54] **FACTEURS DE TRANSCRIPTION DE PROTEINES A DOIGT DE ZINC POUR REPRIMER L'EXPRESSION DE LA PROTEINE TAU**
[72] ZEITLER, BRYAN, US
[72] HATAMI, ASA, US
[72] ZHANG, LEI, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014780)
[87] (WO2021/151012)
[30] US (62/964,501) 2020-01-22

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[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 47/54 (2017.01) A61K 9/127 (2006.01)**
[25] EN
[54] **THERAPEUTIC EXOSOMES AND METHOD OF PRODUCING THEM**
[54] **EXOSOMES THERAPEUTIQUES ET LEUR PROCEDE DE PRODUCTION**
[72] LAROCCA, DANA, US
[72] LEE, JIEUN, US
[72] STERNBERG, HAL, US
[71] AGEX THERAPEUTICS, INC., US
[85] 2022-07-21
[86] 2021-01-22 (PCT/US2021/014799)
[87] (WO2021/151029)
[30] US (62/964,590) 2020-01-22

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/4162 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT FOR ALPHA-1 ANTITRYPSIN DEFICIENCY**
[54] **PROCEDES DE TRAITEMENT D'UNE DEFICIENCE EN ALPHA-1 ANTITRYPSINE**
[72] BOZIC, CARMEN, US
[72] CIRINCIONE, BRENDA, US
[72] HARE, BRIAN J., US
[72] INGENITO, EDWARD, US
[72] KUMAR, SANJEEV, US
[72] MARIGOWDA, GAUTHAM, US
[72] PANORCHAN, PORNTULA, US
[72] PETERSON, MARK CHRISTOPHER, US
[72] RHEE, DAVID, US
[72] STILES, DAVID KENT, US
[72] TIAN, BOSHENG, US
[72] ZHANG, WEIYAN, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2022-07-21
[86] 2021-01-29 (PCT/US2021/015614)
[87] (WO2021/155087)
[30] US (62/967,878) 2020-01-30
[30] US (63/029,971) 2020-05-26

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[51] **Int.Cl. G06T 7/12 (2017.01) A61B 5/02 (2006.01) A61F 2/24 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR ANATOMICAL FEATURE DETERMINATION**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE CARACTERISTIQUES ANATOMIQUES**
[72] KHADER, YARA, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-07-21
[86] 2021-02-02 (PCT/US2021/016139)
[87] (WO2021/158503)
[30] US (62/970,110) 2020-02-04

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[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/012 (2006.01) A61B 1/267 (2006.01)**
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[54] **ROTATABLE MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL ROTATIF**
[72] GRAY, JEFF, US
[72] WALES, RYAN, US
[72] BRECHBIEL, SCOTT, US
[72] SMITH, PAUL, US
[72] MANSFIELD, RICHARD, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-07-21
[86] 2021-02-03 (PCT/US2021/016386)
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[30] US (62/969,925) 2020-02-04

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[25] EN
[54] **COMPOSITIONS FOR TREATMENT OF OCULAR DISEASES**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE MALADIES OCULAIRES**
[72] GURKAN, SEVGI, US
[72] DING, ZHONGLI, US
[72] FLOYD, DAVID, US
[71] PERFUSE THERAPEUTICS, INC., US
[85] 2022-07-21
[86] 2021-02-03 (PCT/US2021/016414)
[87] (WO2021/158663)
[30] US (62/971,002) 2020-02-06
[30] US (63/010,212) 2020-04-15

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[25] EN
[54] **SYSTEMS AND METHODS FOR MICROMOBILITY SPATIAL APPLICATIONS**
[54] **SYSTEMES ET PROCEDES POUR APPLICATIONS SPATIALES DE MICROMOBILITE**
[72] MEASEL, RYAN THOMAS, US
[72] DETWEILER, JAMESON, US
[72] LAKAEMPER, ROLF, DE
[72] ELSEBERG, JAN, DE
[72] RISTOVSKI, GORDAN, DE
[72] VECHERSKY, PAVEL, US
[72] PENN, ILAN, US
[71] FANTASMO STUDIO INC., US
[85] 2022-07-21
[86] 2021-02-11 (PCT/US2021/017540)
[87] (WO2021/163247)
[30] US (62/972,872) 2020-02-11

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[25] EN
[54] **SYSTEMS AND METHODS FOR TREATMENT OF OBSTRUCTIVE SLEEP APNEA**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE L'APNEE OBSTRUCTIVE DU SOMMEIL**
[72] SOYKAN, ORHAN, US
[72] CHRISTOPHERSON, MARK, US
[72] GONZALES, DONALD A., US
[72] SKORICH, STEFAN, US
[72] VANNEY, GUY, US
[72] KRONE, DOUGLAS, US
[71] CRYOSA, INC., US
[85] 2022-07-21
[86] 2021-02-19 (PCT/US2021/018926)
[87] (WO2021/168367)
[30] US (62/978,653) 2020-02-19
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[51] **Int.Cl. C07K 14/705 (2006.01) C07K 16/28 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS TO HER2 AND METHODS OF USE THEREOF**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES DIRIGES VERS HER2 ET LEURS PROCEDES D'UTILISATION**
[72] FROST, GREGORY IAN, US
[72] ONUFFER,, JAMES JOSEPH, US
[72] KUNDU, ANIRBAN, US
[72] SHORT, JAY M., US
[72] FREY, GERHARD, US
[72] CHANG, HWAI WEN, US
[71] EXUMA BIOTECH CORP., US
[71] BIOATLA, LLC, US
[85] 2022-07-21
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[30] US (62/964,947) 2020-01-23

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[51] **Int.Cl. A61K 31/529 (2006.01) A61P 35/00 (2006.01) C07D 498/22 (2006.01)**
[25] EN
[54] **MACROCYCLIC RIP2-KINASE INHIBITORS**
[54] **INHIBITEURS MACROCYCLIQUES DE LA RIP2-KINASE**
[72] LAMOTTE, YANN, FR
[72] DODIC, NERINA, FR
[72] TAP, AURELIEN, FR
[72] DENIS, ALEXIS, FR
[72] BRUSQ, JEAN-MARIE, FR
[72] DAOUBI KHAMLICHI, MOURAD, ES
[72] BENDERITTER, PASCAL ANDRE RENE, FR
[71] ONCODESIGN S.A., FR
[85] 2022-07-22
[86] 2021-02-01 (PCT/EP2021/052255)
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[30] EP (20154852.6) 2020-01-31

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[51] **Int.Cl. C12Q 1/6818 (2018.01) C12Q 1/6883 (2018.01)**
[25] EN
[54] **HYDROLYSIS-BASED PROBE AND METHOD FOR STR GENOTYPING**
[54] **SONDE A BASE D'HYDROLYSE ET PROCEDE DE GENOTYPAGE STR**
[72] TYTGAT, OLIVIER, BE
[72] VAN NIEUWERBURGH, FILIP, BE
[72] DEFORCE, DIETER, BE
[71] UNIVERSITEIT GENT, BE
[85] 2022-07-22
[86] 2021-03-01 (PCT/EP2021/055000)
[87] (WO2021/175762)
[30] EP (20160679.5) 2020-03-03

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[51] **Int.Cl. A61J 1/10 (2006.01) A61K 9/08 (2006.01) B32B 1/00 (2006.01)**
[25] EN
[54] **MEDICINAL PRODUCT COMPRISING A FLEXIBLE PLASTIC BAG AND AN AQUEOUS, READY-TO-USE SOLUTION OF MIDAZOLAM**
[54] **PRODUIT MEDICAL COMPRENANT UN SAC EN PLASTIQUE SOUPLE ET UNE SOLUTION AQUEUSE DE MIDAZOLAM PRETE A L'EMPLOI**
[72] ROBICHAUD, JEAN, CA
[72] HANDFIELD, MAXIM, CA
[72] LAJOIE, VALERIE, CA
[72] GENDRON, MARIE-CLAUDE, CA
[72] FOURNIER, LOUIS ERIC, CA
[71] B. BRAUN MELSUNGEN AG, DE
[85] 2022-07-22
[86] 2021-12-22 (PCT/EP2021/087328)
[87] (WO2022/144276)
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[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **CARE PLAN DELIVERY AND ADHERENCE**
[54] **DISTRIBUTION ET CONFORMITE D'UN PROGRAMME DE SOINS**
[72] DO, CUONG V., US
[72] SHAH, TEJASH, US
[71] CAREVISOR, INC., US
[85] 2022-07-22
[86] 2020-04-08 (PCT/US2020/027258)
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[51] **Int.Cl. A61F 2/86 (2013.01) A61F 2/95 (2013.01) A61F 2/06 (2013.01) A61F 2/82 (2013.01) A61F 2/90 (2013.01)**
[25] EN
[54] **TEMPORARY AND RETRIEVABLE EXPANDABLE MEMBER**
[54] **ELEMENT EXPANSIBLE TEMPORAIRE ET RECUPERABLE**
[72] NIKANOROV, ALEXANDER, US
[72] ZHAO, HUGH, QINGHONG, US
[71] AMAITUS, INC., US
[85] 2022-07-22
[86] 2020-10-07 (PCT/US2020/054546)
[87] (WO2021/162756)
[30] US (16/787,573) 2020-02-11

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[51] **Int.Cl. A61F 2/958 (2013.01) A61L 31/00 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **MEDICAL DEVICES FOR FLUID DELIVERY**
[54] **DISPOSITIFS MEDICAUX POUR DISTRIBUTION DE FLUIDE**
[72] ORTH, JEAN C., US
[72] LILLY, RICHARD S., US
[72] KIM, ELIOT T., US
[72] TUN, ZAYA, US
[72] QUINTOS, ROBERT G., US
[71] ENCOMPASS VASCULAR, INC., US
[85] 2022-07-22
[86] 2020-12-23 (PCT/US2020/066929)
[87] (WO2021/133966)
[30] US (62/953,342) 2019-12-24
[30] US (62/953,348) 2019-12-24
[30] US (62/965,037) 2020-01-23
[30] US (62/987,779) 2020-03-10
[30] US (63/017,173) 2020-04-29
[30] US (63/073,429) 2020-09-01

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[51] **Int.Cl. A63F 13/77 (2014.01) A63F 13/35 (2014.01) A63F 13/85 (2014.01)**
[25] EN
[54] **MANAGEMENT OF PROVISIONING OF VIDEO GAME DURING GAME PREVIEW**
[54] **GESTION DE FOURNITURE DE JEU VIDEO PENDANT UNE PREVISUALISATION DE JEU**
[72] DZJIND, TELMEN GEREL, US
[72] ASTORGA, AUSTIN ADRIAN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2022-07-22
[86] 2021-01-20 (PCT/US2021/014054)
[87] (WO2021/173255)
[30] US (62/981,950) 2020-02-26
[30] US (16/890,612) 2020-06-02

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[13] A1
[51] **Int.Cl. B26D 5/00 (2006.01) B26D 7/14 (2006.01)**
[25] EN
[54] **TRIMMING WORK PRODUCTS TO OPTIMIZE PRESSING**
[54] **TAILLE DE PRODUITS DE TRAVAIL POUR OPTIMISER LE PRESSAGE**
[72] BLAINE, GEORGE R., US
[71] JOHN BEAN TECHNOLOGIES CORPORATION, US
[85] 2022-07-22
[86] 2021-01-20 (PCT/US2021/014198)
[87] (WO2021/154566)
[30] US (62/966,429) 2020-01-27

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[51] **Int.Cl. H01T 4/02 (2006.01) H01H 39/00 (2006.01) H02H 3/02 (2006.01) H02H 3/20 (2006.01)**
[25] EN
[54] **MECHANICAL SPARK CONTAINMENT FOR DISCONNECTOR**
[54] **CONFINEMENT MECANIQUE D'ETINCELLES POUR SECTIONNEUR**
[72] DYE, JUSTIN, LEE, US
[72] VAN BESOUW, BASTIAAN, HUBERTUS, US
[72] IYER, SIDHARTH, SURESH, US
[72] HUO, XINGNIU, US
[71] HUBBELL INCORPORATED, US
[85] 2022-07-22
[86] 2021-01-21 (PCT/US2021/014375)
[87] (WO2021/150726)
[30] US (62/965,359) 2020-01-24

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[51] **Int.Cl. A61K 31/13 (2006.01) A61K 31/27 (2006.01) A61K 31/445 (2006.01) A61K 31/473 (2006.01) A61K 31/55 (2006.01) A61K 45/00 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07K 14/565 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12N 9/12 (2006.01) C12N 9/16 (2006.01) C12N 9/99 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **DETERMINATION AGENT AND DETERMINATION METHOD FOR TAUOPATHY AND DEMENTIA-RELATED DISEASES**
[54] **AGENT DE DETERMINATION ET PROCEDE DE DETERMINATION POUR TAUOPATHIE ET MALADIES ASSOCIEES A LA DEMENCE**
[72] ONO, ATSUSHI, JP
[72] NAGATA, HIDETAKA, JP
[72] HASHIMOTO, MASAKAZU, JP
[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2022-07-19
[86] 2021-02-04 (PCT/JP2021/004018)
[87] (WO2021/157634)
[30] JP (2020-018249) 2020-02-05

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[51] **Int.Cl. A61K 31/5517 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07D 495/14 (2006.01)**
[25] EN
[54] **SULFONAMIDE OR SULFINAMIDE COMPOUND HAVING EFFECT OF INDUCING BRD4 PROTEIN DEGRADATION AND PHARMACEUTICAL USE THEREOF**
[54] **COMPOSE DE SULFONAMIDE OU SULFINAMIDE AYANT UN EFFET D'INDUCTION DE LA DEGRADATION DE LA PROTEINE BRD4 ET SON UTILISATION PHARMACEUTIQUE**
[72] OHBA, KIYOMI, JP
[72] NIWA, YASUKI, JP
[72] MATSUDAIRA, TETSUJI, JP
[72] HAMADA, MAIKO, JP
[72] YAMAZAKI, RYUTA, JP
[72] IBUKI, TATSUYA, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2022-07-19
[86] 2021-02-05 (PCT/JP2021/004231)
[87] (WO2021/157684)
[30] JP (2020-019227) 2020-02-06

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[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/39 (2006.01) A61K 8/86 (2006.01)**
[25] EN
[54] **CONTINUOUS PRODUCTION OF KERATIN FIBERS**
[54] **PRODUCTION CONTINUE DE FIBRES DE KERATINE**
[72] YANG, YIQI, US
[72] MU, BINGNAN, US
[72] HASSAN, FAQRUL, BD
[71] NUTECH VENTURES, US
[85] 2022-07-20
[86] 2021-01-21 (PCT/US2021/014401)
[87] (WO2021/150744)
[30] US (62/963,968) 2020-01-21

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[13] A1
[51] **Int.Cl. G01C 3/14 (2006.01) G06T 7/50 (2017.01) H04N 13/204 (2018.01) H04N 13/246 (2018.01) H04N 13/332 (2018.01)**
[25] EN
[54] **OPEN VIEW, MULTI-MODAL, CALIBRATED DIGITAL LOUPE WITH DEPTH SENSING**
[54] **LOUPE NUMERIQUE ETALONNEE, MULTIMODALE, A VISION OUVERTE AVEC DETECTION DE PROFONDEUR**
[72] HEGYI, ALEX, US
[71] PHOTONIC MEDICAL INC., US
[85] 2022-07-20
[86] 2021-01-22 (PCT/US2021/014657)
[87] (WO2021/150921)
[30] US (62/964,287) 2020-01-22

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[13] A1
[51] **Int.Cl. B65D 21/02 (2006.01) B65D 25/04 (2006.01) B65D 25/28 (2006.01) B65D 43/02 (2006.01) B65D 81/26 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **CORE BOX**
[54] **BOITE A NOYAUX**
[72] CROWDER, TIM, US
[72] ADDINGTON, NICK, US
[72] TURNER, STEVEN, US
[72] MARLIN, CLIFF, US
[71] BERRY GLOBAL, INC., US
[85] 2022-07-20
[86] 2021-01-25 (PCT/US2021/014870)
[87] (WO2021/151058)
[30] US (62/965,485) 2020-01-24

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[51] **Int.Cl. G01V 99/00 (2009.01) G06T 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING SUBSURFACE FEATURE PREDICTION PROBABILITY DISTRIBUTIONS AS A FUNCTION OF POSITION IN A SUBSURFACE VOLUME OF INTEREST**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE DISTRIBUTIONS DE PROBABILITE DE PREDICTION DE CARACTERISTIQUES DE SOUS-SOL EN FONCTION DE LA POSITION DANS UN VOLUME DE SOUS-SOL D'INTERET**
[72] PROCHNOW, SHANE J., US
[72] BRENNAN, PATRICK RK, US
[72] MOSS-RUSSELL, AMY C., US
[71] CHEVRON U.S.A. INC., US
[85] 2022-07-20
[86] 2021-01-25 (PCT/US2021/014908)
[87] (WO2021/154644)
[30] US (16/774,914) 2020-01-28

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[13] A1
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 11/00 (2006.01)**
[25] EN
[54] **DIGITAL DECORATION ON NON-ABSORBENT SURFACES WITH THERMALLY ASSISTED CURING**
[54] **DECORATION NUMERIQUE SUR DES SURFACES NON ABSORBANTES AVEC DURCISSEMENT ASSISTE THERMIQUEMENT**
[72] STOWITTS, ADAM, US
[72] MILLER, MICHAEL, US
[71] BALL CORPORATION, US
[85] 2022-07-20
[86] 2021-01-26 (PCT/US2021/015125)
[87] (WO2021/154751)
[30] US (62/966,340) 2020-01-27

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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/683 (2018.01) C12Q 1/6844 (2018.01) C12N 15/10 (2006.01)**
[25] EN
[54] **IMPROVED DETECTION ASSAYS**
[54] **DOSAGES DE DETECTION AMELIORES**
[72] BLAKE, WILLIAM JEREMY, US
[72] LI, XIANG, US
[72] WILSON, MARY KATHERINE, US
[72] COTICCHIA, CHRISTINE MARIE, US
[72] RAMESH, PRADEEP, US
[72] MANNING, BRENDAN JOHN, US
[71] SHERLOCK BIOSCIENCES, INC., US
[85] 2022-07-20
[86] 2021-01-27 (PCT/US2021/015306)
[87] (WO2021/154866)
[30] US (62/966,527) 2020-01-27
[30] US (62/967,536) 2020-01-29
[30] US (62/970,159) 2020-02-04
[30] US (63/038,710) 2020-06-12
[30] US (63/139,267) 2021-01-19

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[13] A1
[51] **Int.Cl. G06V 20/10 (2022.01) G06Q 50/02 (2012.01) G06V 10/44 (2022.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) A01G 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF INTELLIGENT VEGETATION MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION INTELLIGENTE DE VEGETATION**
[72] SAXENA, RAHUL, US
[72] DAS, NITIN, US
[72] SINGH, ABHISHEK VINOD, US
[71] AIDASH INC., US
[85] 2022-07-20
[86] 2021-01-27 (PCT/US2021/015337)
[87] (WO2021/154891)
[30] US (62/966,531) 2020-01-27

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **CD28 SINGLE DOMAIN ANTIBODIES AND MULTIVALENT AND MULTISPECIFIC CONSTRUCTS THEREOF**
[54] **ANTICORPS CD28 A DOMAINE UNIQUE ET CONSTRUCTIONS MULTIVALENTES ET MULTISPECIFIQUES DE CEUX-CI**
[72] TIMMER, JOHN C., US
[72] JACKSON, RUTGER H., US
[72] WILLIS, KATELYN M., US
[72] CRAGO, WILLIAM S., US
[72] KAPLAN, MICHAEL D., US
[72] ECKELMAN, BRENDAN P., US
[71] INHIBRX, INC., US
[85] 2022-07-20
[86] 2021-01-28 (PCT/US2021/015590)
[87] (WO2021/155071)
[30] US (62/967,533) 2020-01-29

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[13] A1
[51] **Int.Cl. A24F 40/44 (2020.01) A61M 11/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **WICKING CAP AND METHODS**
[54] **CAPUCHON A EFFET DE MECHE ET PROCEDES**
[72] PATTON, RYAN, US
[72] STEDMAN, BENJAMIN, US
[72] BUECHE, BLAINE, US
[72] PATTON, JOHN, US
[71] AERAMI THERAPEUTICS, INC., US
[85] 2022-07-20
[86] 2021-01-29 (PCT/US2021/015726)
[87] (WO2021/155161)
[30] US (16/776,304) 2020-01-29

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[51] **Int.Cl. E21B 47/008 (2012.01) E21B 43/12 (2006.01) F04D 15/00 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **WELL SITE EDGE ANALYTICS**
[54] **ANALYSE PERIPHERIQUE D'EMPLACEMENT DE PUITS**
[72] BOGUSLAWSKI, BARTOSZ, FR
[72] SAGHIR, FAHD, AU
[72] BOUJONNIER, MATTHIEU, US
[72] BISSUEL-BEAUVAIS, LORYNE, CA
[72] COLANGELO, GIORGIO, ES
[72] REY, REYNALDO ESPANA, ES
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
[85] 2022-07-20
[86] 2021-01-29 (PCT/US2021/015886)
[87] (WO2021/155272)
[30] US (62/967,492) 2020-01-29
[30] US (PCT/US2020/026787) 2020-04-05

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[13] A1
[51] **Int.Cl. B01J 38/56 (2006.01) B08B 9/027 (2006.01)**
[25] EN
[54] **CATALYTIC REACTOR SYSTEM TREATMENT PROCESSES**
[54] **PROCESSUS DE TRAITEMENT DE SYSTEME DE REACTEUR CATALYTIQUE**
[72] MONTGOMERY, BLAKE, US
[71] USA DEBUSK LLC, US
[85] 2022-07-20
[86] 2021-02-02 (PCT/US2021/016181)
[87] (WO2021/158525)
[30] US (16/780,074) 2020-02-03
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[51] **Int.Cl. A61K 39/275 (2006.01) C12N 15/86 (2006.01) C12N 15/863 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **POXVIRUS-BASED VECTORS PRODUCED BY NATURAL OR SYNTHETIC DNA AND USES THEREOF**
[54] **VECTEURS A BASE DE POXVIRUS PRODUITS PAR DE L'ADN NATUREL OU SYNTHETIQUE ET LEURS UTILISATIONS**
[72] DIAMOND, DON J., US
[72] WUSSOW, FELIX, US
[71] CITY OF HOPE, US
[85] 2022-07-20
[86] 2021-02-02 (PCT/US2021/016247)
[87] (WO2021/158565)
[30] US (62/969,628) 2020-02-03
[30] US (63/113,803) 2020-11-13

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[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61F 2/95 (2013.01) A61M 25/10 (2013.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SELECTING STENTS**
[54] **DISPOSITIFS ET PROCEDES DE SELECTION DE STENTS**
[72] BALMFORTH, PETER, GB
[72] SPENCER, DARREN, GB
[72] SOBOTKA, PAUL, GB
[72] BRENNEMAN, RODNEY, GB
[72] SOBOTKA, NATHAN, GB
[71] DP HOLDING (U.K) LIMITED, GB
[85] 2022-07-20
[86] 2021-02-04 (PCT/US2021/016563)
[87] (WO2021/158754)
[30] US (62/969,946) 2020-02-04

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[13] A1
[51] **Int.Cl. A61K 31/17 (2006.01) A61K 31/4422 (2006.01) A61P 3/00 (2006.01) A61P 25/16 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07C 275/28 (2006.01) C07D 205/04 (2006.01) C07D 207/16 (2006.01) C07D 213/36 (2006.01) C07D 213/81 (2006.01) C07D 241/12 (2006.01) C07D 295/073 (2006.01) C07D 305/08 (2006.01) C07D 309/14 (2006.01) C07D 331/04 (2006.01) C07D 333/08 (2006.01) C07D 335/02 (2006.01) C07D 491/22 (2006.01)**
[25] EN
[54] **NAMPT MODULATORS**
[54] **MODULATEURS DE NAMPT**
[72] ROMERO, ANTONIO, US
[72] CHANDRA, AROOP, US
[72] EVANS, CHRISTOPHER EDWARD, US
[72] SHEN, MINXING, US
[71] CYTOKINETICS, INC., US
[85] 2022-07-20
[86] 2021-02-05 (PCT/US2021/016948)
[87] (WO2021/159015)
[30] US (62/971,838) 2020-02-07

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[51] **Int.Cl. A63B 53/10 (2015.01) A63B 59/20 (2015.01) A63B 59/50 (2015.01) A63B 59/70 (2015.01)**
[25] EN
[54] **SPORTS EQUIPMENT WITH WOUND FIBER**
[54] **EQUIPEMENT DE SPORT DOTE DE FIBRE ENROULEE**
[72] HAAS, NEAL, US
[72] BROWN JR., DONALD COLLINS, US
[72] MOLLNER, BRIAN CHRISTOPHER, US
[72] JOHNSON, DONOVAN, US
[71] TRUE TEMPER SPORTS, INC., US
[85] 2022-07-20
[86] 2021-02-10 (PCT/US2021/017360)
[87] (WO2021/167820)
[30] US (62/979,093) 2020-02-20

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[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01) C12N 15/13 (2006.01) C12N 15/79 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR CIRCULAR RNA EXPRESSION**
[54] **COMPOSITIONS ET PROCEDES POUR L'EXPRESSION D'ARN CIRCULAIRE**
[72] ASOKAN, ARAVIND, US
[72] MEGANCK, RITA, US
[71] DUKE UNIVERSITY, US
[85] 2022-07-20
[86] 2021-04-01 (PCT/US2021/025463)
[87] (WO2021/159129)
[30] US (62/969,758) 2020-02-04

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[13] A1
[51] **Int.Cl. E21B 43/17 (2006.01) E21B 43/00 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **METHODS FOR TIGHT OIL PRODUCTION THROUGH SECONDARY RECOVERY**
[54] **PROCEDES DE PRODUCTION DE PETROLE DE RESERVOIR ETANCHE PAR RECUPERATION SECONDAIRE**
[72] FU, XUEBING, US
[71] FU, XUEBING, US
[85] 2022-07-20
[86] 2021-01-25 (PCT/US2021/070074)
[87] (WO2021/151120)
[30] US (62/965,169) 2020-01-24
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[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01) B01D 29/33 (2006.01) B01D 29/66 (2006.01) F04B 43/00 (2006.01) F04B 43/02 (2006.01) F04B 43/04 (2006.01) F04B 43/06 (2006.01) G01N 1/40 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **MULTIPLEXED PNEUMATIC CONTROL AIR SYSTEM FOR SLURRY FILTRATION**
[54] **SYSTEME D'AIR A COMMANDE PNEUMATIQUE MULTIPLEXE POUR FILTRATION DE SUSPENSION**
[72] SWANSON, TODD, US
[72] MINARICH, NICHOLAS, US
[72] KOCH, DALE, US
[72] WINKLER, NICHOLAS, US
[71] PRECISION PLANTING LLC, US
[85] 2022-07-20
[86] 2021-04-07 (PCT/IB2021/052874)
[87] (WO2021/220083)
[30] US (63/017,789) 2020-04-30
[30] US (63/017,840) 2020-04-30
[30] US (63/018,120) 2020-04-30
[30] US (63/018,153) 2020-04-30

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[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **REVERSIBLE SEED TRENCH APPURTENANCE ASSEMBLY**
[54] **ENSEMBLE ACCESSOIRE REVERSIBLE DE TRANCHEE DE GRAINES**
[72] KOCH, DALE, US
[72] URBANIAK, DOUGLAS, US
[71] PRECISION PLANTING LLC, US
[85] 2022-07-20
[86] 2021-05-10 (PCT/IB2021/053942)
[87] (WO2021/234503)
[30] US (63/026,957) 2020-05-19

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[13] A1
[51] **Int.Cl. A61F 6/14 (2006.01) A61F 6/18 (2006.01)**
[25] EN
[54] **AN INTRAUTERINE SYSTEM WITH A LOCKING PART**
[54] **SYSTEME INTRA-UTERIN AVEC UNE PARTIE DE VERROUILLAGE**
[72] STOLT, MIKAEL, FI
[72] TJADER, TAINA, FI
[72] TALLING, CHRISTINE, FI
[72] HAKALA, RISTO, FI
[72] SALO, HEIKKI, FI
[72] KAUTTO, MIRA, FI
[72] ALLEN, MARINA, FI
[72] RISKI, JARI, FI
[72] PERALA, PETRI, FI
[71] BAYER OY, FI
[85] 2022-07-21
[86] 2021-01-20 (PCT/EP2021/051144)
[87] (WO2021/148442)
[30] EP (20153502.8) 2020-01-24

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B66F 9/07 (2006.01)**
[25] EN
[54] **RECHARGEABLE POWER SOURCE FOR A LOAD HANDLING DEVICE**
[54] **SOURCE D'ALIMENTATION RECHARGEABLE POUR UN DISPOSITIF PORTE-CHARGE**
[72] CORSER, PHILIP, GB
[72] FLYNN, DAMIAN, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2022-07-21
[86] 2021-01-22 (PCT/EP2021/051465)
[87] (WO2021/148609)
[30] GB (2001012.0) 2020-01-24
[30] GB (2003101.9) 2020-03-04
[30] GB (2017241.7) 2020-10-30

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B66F 9/07 (2006.01)**
[25] EN
[54] **STABILITY OF A LOAD HANDLING DEVICE IN A STORAGE SYSTEM**
[54] **STABILITE D'UN DISPOSITIF PORTE-CHARGE DANS UN SYSTEME DE STOCKAGE**
[72] HAVEL, MAREK, GB
[72] HARMAN, MATTHEW, GB
[72] ELLAHI, HAMZA, GB
[72] KHOSROSHAHLI, NEGAR, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2022-07-21
[86] 2021-01-22 (PCT/EP2021/051469)
[87] (WO2021/148612)
[30] GB (2001012.0) 2020-01-24
[30] GB (2003101.9) 2020-03-04
[30] GB (2017257.3) 2020-10-30

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[51] **Int.Cl. B65G 1/04 (2006.01) B66C 11/14 (2006.01) B66C 19/00 (2006.01) B66F 9/07 (2006.01)**
[25] EN
[54] **RAISING AND LOWERING CONTAINERS**
[54] **LEVAGE ET ABAISSEMENT DE CONTENANTS**
[72] BENFOLD, JAMES, GB
[72] POPA, DANIEL, GB
[72] HARMAN, MATTHEW, GB
[72] PILLAI, VIPIN, GB
[72] WHELAN, MATTHEW, GB
[72] JOHANNISSON, WILHELM, GB
[72] HARRISON, LIAM, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2022-07-21
[86] 2021-01-22 (PCT/EP2021/051531)
[87] (WO2021/148657)
[30] GB (2001012.0) 2020-01-24
[30] GB (2003101.9) 2020-03-04

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[13] A1
[51] **Int.Cl. H01S 3/00 (2006.01) H01S 3/067 (2006.01) H01S 3/11 (2006.01) H01S 3/16 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR GENERATION OF OPTICAL PULSES OF LIGHT**
[54] **PROCEDE ET SYSTEME DE GENERATION D'IMPULSIONS LUMINEUSES OPTIQUES**
[72] PAPE, ALEXANDER, DE
[72] PROCHNOW, OLIVER, DE
[71] VALO INNOVATIONS GMBH, DE
[85] 2022-07-21
[86] 2021-02-01 (PCT/EP2021/052311)
[87] (WO2021/152174)
[30] LU (LU101629) 2020-01-30

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[13] A1
[51] **Int.Cl. A61K 47/30 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **MUCOADHESIVE SOLID OR SEMISOLID OCULAR DELIVERY SYSTEMS BASED ON PREACTIVATED THIOMERS**
[54] **SYSTEMES D'ADMINISTRATION OCULAIRE MUCOADHESIFS SOLIDES OU SEMI-SOLIDES A BASE DE THIOMERES PREACTIVES**
[72] GARREC, JEAN, FR
[71] BIOADHESIVE OPHTHALMICS, FR
[85] 2022-07-21
[86] 2021-02-05 (PCT/EP2021/052796)
[87] (WO2021/156435)
[30] EP (20305118.0) 2020-02-07

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[13] A1
[51] **Int.Cl. A61B 5/1468 (2006.01) A61B 5/1486 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **METHOD FOR THE PREPARATION OF A WORKING ELECTRODE**
[54] **PROCEDE DE PREPARATION D'UNE ELECTRODE DE TRAVAIL**
[72] HOCHMUTH, GERNOT, DE
[72] SLIOZBERG, KIRILL, DE
[72] STECK, ALEXANDER, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-21
[86] 2021-03-13 (PCT/EP2021/056437)
[87] (WO2021/180977)
[30] EP (20162941.7) 2020-03-13

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[13] A1
[51] **Int.Cl. B01D 25/133 (2006.01) B01D 25/12 (2006.01)**
[25] EN
[54] **A FILTER DIAPHRAGM FOR A RECESSED PLATE -TYPE FILTER, A DIAPHRAGM FILTER PLATE, A DIAPHRAGM FILTER PLATE ASSEMBLY AND A RECESSED PLATE -TYPE FILTER**
[54] **MEMBRANE FILTRANTE POUR UN FILTRE DE TYPE PLAQUE EVIDEE, PLAQUE FILTRANTE A MEMBRANE, ENSEMBLE PLAQUE FILTRANTE A MEMBRANE ET FILTRE DE TYPE PLAQUE EVIDEE**
[72] SUUTARI, TEPPO, FI
[71] METSO OUTOTEC FINLAND OY, FI
[85] 2022-07-21
[86] 2020-02-07 (PCT/FI2020/050076)
[87] (WO2021/156536)

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[13] A1
[51] **Int.Cl. A23K 10/22 (2016.01) A23K 20/158 (2016.01) A23L 17/20 (2016.01) A23L 17/30 (2016.01) A23L 17/50 (2016.01) A23D 9/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC COMPOSITIONS**
[54] **COMPOSITIONS SYNERGIQUES**
[72] HOWIE, JOHN, GB
[72] VILE, GLENN, GB
[71] LINTBELLS LIMITED, GB
[85] 2022-07-21
[86] 2021-01-13 (PCT/GB2021/050074)
[87] (WO2021/148777)
[30] GB (2000879.3) 2020-01-21
[30] US (16/748,580) 2020-01-21

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR HIGH THROUGHPUT MICRODROPLET MANIPULATION**
[54] **PROCEDES ET APPAREIL POUR MANIPULATION DE MICROGOUTTELETTES A HAUTE CADENCE**
[72] BUSH, JAMES, GB
[72] CONTERIO, JASMIN KAUR CHANA, GB
[72] CUNHA, PEDRO, GB
[72] DEACON, WILLIAM MICHAEL, GB
[72] FRAYLING, CAMERON, GB
[72] ISAAC, THOMAS HENRY, GB
[72] TOPKAYA, IBRAHIM SAYGIN, GB
[71] LIGHTCAST DISCOVERY LTD, GB
[85] 2022-07-22
[86] 2021-01-22 (PCT/GB2021/050148)
[87] (WO2021/148804)
[30] GB (2001051.8) 2020-01-24

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[13] A1
[51] **Int.Cl. B65D 83/14 (2006.01) A61M 15/00 (2006.01) B65D 53/00 (2006.01) B65D 65/38 (2006.01) B65D 83/54 (2006.01) C09K 3/10 (2006.01) C09K 3/30 (2006.01) G02F 1/361 (2006.01)**
[25] EN
[54] **PRESSURISED DISPENSING CONTAINER**
[54] **RECIPIENT DE DISTRIBUTION SOUS PRESSION**
[72] ALLSOP, PAUL, GB
[72] BHOGAITA, JAYSUKHLAL MOHANLAL, GB
[72] SAPSFORD, ANDREW IAN, GB
[71] BESPAK EUROPE LIMITED, GB
[85] 2022-07-21
[86] 2021-01-26 (PCT/GB2021/050175)
[87] (WO2021/156602)
[30] GB (2001537.6) 2020-02-05
[30] GB (2020387.3) 2020-12-22

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[13] A1
[51] **Int.Cl. C11D 3/44 (2006.01) C11D 1/10 (2006.01) C11D 7/50 (2006.01)**
[25] EN
[54] **OVEN CLEANING COMPOSITIONS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS DE NETTOYAGE DE FOUR ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] COONEY, EDWARD MATTHEW JR., US
[72] FUENTES, HEIDI, US
[72] ROBBINS, KYLE, US
[72] TRAWINSKI, JAKUB, US
[72] YOUNG, LISA, US
[71] RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED, GB
[85] 2022-07-22
[86] 2021-01-22 (PCT/GB2021/050150)
[87] (WO2021/148806)
[30] US (62/964,803) 2020-01-23

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[13] A1
[51] **Int.Cl. A61B 17/03 (2006.01) A61B 17/04 (2006.01) A61B 17/08 (2006.01) A61B 17/12 (2006.01) A61B 17/56 (2006.01) A61F 2/06 (2013.01)**
[25] EN
[54] **TISSUE REPAIR AND SEALING DEVICES HAVING A DETACHABLE GRAFT AND CLASP ASSEMBLY AND METHODS FOR THE USE THEREOF**
[54] **DISPOSITIFS DE REPARATION ET DE SCELLEMENT DE TISSU AYANT UN ENSEMBLE GREFFON ET ATTACHE DETACHABLE ET LEURS PROCEDES D'UTILISATION**
[72] MAYBERG, MARC ROBERT, US
[71] PATCHCLAMP MEDTECH, INC., US
[85] 2022-07-22
[86] 2021-01-22 (PCT/US2021/014796)
[87] (WO2021/151026)
[30] US (62/965,722) 2020-01-24

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[13] A1
[51] **Int.Cl. G06F 16/242 (2019.01) G06F 16/23 (2019.01) G06F 16/2457 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MANAGING AND CONTROLLING RESOURCE, DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE GESTION ET DE COMMANDE D'UNE RESSOURCE, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] QIAN, CUNFENG, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
[71] SHANGHAI ENVISION DIGITAL CO., LTD., CN
[85] 2022-07-19
[86] 2021-01-15 (PCT/SG2021/050027)
[87] (WO2021/150165)
[30] CN (202010066236.0) 2020-01-20

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[13] A1
[51] **Int.Cl. E21B 49/00 (2006.01) G01N 21/3504 (2014.01) G01N 21/3577 (2014.01) G01N 21/359 (2014.01) G01N 21/01 (2006.01) G01N 21/31 (2006.01) G01N 21/85 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **INFRARED ABSORPTION-BASED COMPOSITION SENSOR FOR FLUID MIXTURES**
[54] **CAPTEUR DE COMPOSITION BASE SUR L'ABSORPTION DANS L'INFRAROUGE POUR MELANGES DE FLUIDES**
[72] BRIGGS, RYAN M., US
[72] DEL CASTILLO, LINDA Y., US
[72] ZADEH, MINA, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2022-07-22
[86] 2021-02-23 (PCT/US2021/019227)
[87] (WO2021/173547)
[30] US (62/980,836) 2020-02-24

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[13] A1
[51] **Int.Cl. H05K 13/00 (2006.01) D21C 5/02 (2006.01) H05K 1/03 (2006.01)**
[25] EN
[54] **ELECTRONIC CIRCUIT HAVING GRAPHENE OXIDE PAPER SUBSTRATE AND METHOD OF RECOVERING PARTS OF AN ELECTRONIC CIRCUIT**
[54] **CIRCUIT ELECTRONIQUE AYANT UN SUBSTRAT EN PAPIER D'OXYDE DE GRAPHENE ET PROCEDE DE RECUPERATION DE PARTIES D'UN CIRCUIT ELECTRONIQUE**
[72] SZKOPEK, THOMAS, CA
[72] UBAH, ANTHONY, CA
[72] CERRUTI, MARTA, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING / MCGILL UNIVERSITY, CA
[85] 2022-07-21
[86] 2021-01-22 (PCT/CA2021/050066)
[87] (WO2021/146810)
[30] US (62/964,903) 2020-01-23

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[13] A1
[51] **Int.Cl. E01B 23/06 (2006.01) E01B 23/16 (2006.01) E01B 25/06 (2006.01) E01B 25/12 (2006.01) E01B 25/15 (2006.01) E01B 25/20 (2006.01)**
[25] EN
[54] **TRACK SWITCH**
[54] **DISPOSITIF D'AIGUILLAGE DE VOIE**
[72] MARKELZ, PAUL, US
[72] QUAST, WILLIAM KENNETH, US
[71] BRIDGE AND TRACK CRANE LLC D/B/A RCRANE, US
[85] 2022-07-22
[86] 2021-01-25 (PCT/US2021/014944)
[87] (WO2021/151089)
[30] US (62/965,679) 2020-01-24
[30] US (63/041,323) 2020-06-19

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[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01)**
[25] EN
[54] **COMMUNICATION PROCESSING METHOD AND COMMUNICATION DEVICE**
[54] **PROCEDE DE TRAITEMENT DE COMMUNICATION ET DISPOSITIF DE COMMUNICATION**
[72] LIU, NANNAN, CN
[72] ZHANG, XIANGDONG, CN
[72] CHANG, JUNREN, CN
[72] WEI, DONGDONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-07-21
[86] 2020-01-23 (PCT/CN2020/073967)
[87] (WO2021/147068)

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[13] A1
[51] **Int.Cl. C12M 1/12 (2006.01) C12Q 1/22 (2006.01)**
[25] EN
[54] **SELF-CONTAINED BIOLOGICAL INDICATOR WITH SALT COMPOUND**
[54] **INDICATEUR BIOLOGIQUE AUTONOME AVEC COMPOSE SALIN**
[72] AHIMOU, FRANCOIS, US
[72] WITCHER, KELVIN J., US
[72] JING, NAIYONG, US
[72] BONILLA, TONYA D., US
[72] BOMMARITO, G. MARCO, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2022-07-22
[86] 2021-01-14 (PCT/IB2021/050263)
[87] (WO2021/148909)
[30] US (62/964,369) 2020-01-22

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[13] A1
[51] **Int.Cl. F01K 3/00 (2006.01) F01K 1/12 (2006.01) F01K 3/12 (2006.01) F01K 3/16 (2006.01) F01K 3/18 (2006.01) F01K 7/32 (2006.01) F01K 25/08 (2006.01) F02C 1/10 (2006.01)**
[25] EN
[54] **ENERGY STORAGE PLANT AND PROCESS**
[54] **INSTALLATION ET PROCEDE DE STOCKAGE D'ENERGIE**
[72] SPADACINI, CLAUDIO, IT
[71] ENERGY DOME S.P.A., IT
[85] 2022-07-22
[86] 2021-02-15 (PCT/IB2021/051234)
[87] (WO2021/165809)
[30] IT (102020000003680) 2020-02-21

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[13] A1
[51] **Int.Cl. D21H 21/16 (2006.01) B32B 29/00 (2006.01) D21H 17/11 (2006.01) D21H 17/18 (2006.01) B32B 27/10 (2006.01)**
[25] EN
[54] **WATER-RESISTANT MULTILAYERED CELLULOSE-BASED SUBSTRATE**
[54] **SUBSTRAT A BASE DE CELLULOSE MULTICOUCHE RESISTANT A L'EAU**
[72] HANSSON, SUSANNE, SE
[72] BADENLID, RAIJA, SE
[71] STORA ENSO OYJ, FI
[85] 2022-07-22
[86] 2021-02-19 (PCT/IB2021/051417)
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[30] SE (2050194-6) 2020-02-21

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[51] **Int.Cl. A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61P 1/04 (2006.01) A61P 1/18 (2006.01) A61P 11/00 (2006.01) A61P 15/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 16/28 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-MEFLIN ANTIBODY FOR USE IN TREATMENT OF CANCER IN SUBJECT HAVING CANCER, AND PHARMACEUTICAL COMPOSITION COMPRISING THE ANTIBODY**
[54] **ANTICORPS ANTI-MEFLIN DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU CANCER CHEZ UN SUJET ATTEINT D'UN CANCER, ET COMPOSITION PHARMACEUTIQUE COMPRENANT LEDIT ANTICORPS**
[72] ENOMOTO, ATSUSHI, JP
[72] ESAKI, NOBUTOSHI, JP
[72] TAKAHASHI, MASAHIDE, JP
[72] MIYAI, YUKI, JP
[72] ANDO, RYOTA, JP
[72] SHIRAKI, YUKIHIRO, JP
[72] NISHIDA, YUKIIHIRO, JP
[72] MATSUYAMA, MAKOTO, JP
[72] MANABE, SHINO, JP
[71] NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM, JP
[71] SOWAKAI MEDICAL FOUNDATION, JP
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[30] JP (2020-016535) 2020-02-03

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[51] **Int.Cl. C11D 17/08 (2006.01) B65D 65/46 (2006.01) C08K 3/30 (2006.01) C08K 5/053 (2006.01) C08L 29/04 (2006.01)**
[25] EN
[54] **WATER-SOLUBLE FILM FOR LIQUID DETERGENT-PACKAGING CAPSULE**
[54] **FILM SOLUBLE DANS L'EAU POUR CAPSULE DE CONDITIONNEMENT DE DETERGENT LIQUIDE**
[72] TANIKAWA, ATSUSHI, JP
[72] GOTO, REI, JP
[71] AICELLO CORPORATION, JP
[85] 2022-07-22
[86] 2021-02-12 (PCT/JP2021/005242)
[87] (WO2021/162087)
[30] JP (2020-023866) 2020-02-14

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[51] **Int.Cl. G06F 30/13 (2020.01) G06F 30/12 (2020.01)**
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[54] **DIGITAL PLATFORM FOR A DESIGN AND BUILD PROCESS**
[54] **PLATE-FORME NUMERIQUE ASSOCIEE A UN PROCEDE DE CONCEPTION ET DE CONSTRUCTION**
[72] BENSON, TEDD, US
[71] UNITY BUILDING TECHNOLOGIES, INC., US
[85] 2022-07-22
[86] 2021-01-22 (PCT/US2021/014539)
[87] (WO2021/150839)
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[25] EN
[54] **LEUCINE-RICH REPEAT KINASE 2 (LRRK2) IRNA AGENT COMPOSITIONS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS D'AGENT D'ARNI A KINASE 2 A REPETITION RICHE EN LEUCINE (LRRK2) ET UTILISATION ASSOCIEE**
[72] MCININCH, JAMES D., US
[72] GILBERT, JASON, US
[72] CASTORENO, ADAM, US
[72] DANG, LAN THI HOANG, US
[72] LEBLANC, SARAH, US
[72] PENG, HAIYAN, US
[72] KAITTANIS, CHARALAMBOS, US
[72] SOUNDARAPANDIAN, MANGALA MEENAKSHI, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
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[30] US (62/965,452) 2020-01-24
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[51] **Int.Cl. F26B 5/04 (2006.01) F26B 5/06 (2006.01) F26B 25/22 (2006.01)**
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[54] **TARGET RESIDUAL MOISTURE CONTENT FOR LYOPHILIZED DRUG PRODUCT**
[54] **TENEUR EN HUMIDITE RESIDUELLE CIBLE POUR PRODUIT MEDICAMENTEUX LYOPHILISE**
[72] TANG, XIAOLIN, US
[72] KLEPPE, MARY, US
[72] CHARI, RAVI, US
[72] TZUL, FRANCO, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-07-25
[86] 2021-02-04 (PCT/US2021/016569)
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[51] **Int.Cl. C07H 21/04 (2006.01) C12Q 1/6883 (2018.01) C12N 15/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SMALL RNA DISEASE CLASSIFIERS**
[54] **CLASSIFICATEURS DE MALADIES A BASE DE PETITS ARN**
[72] SALZMAN, DAVID W., US
[72] SALZMAN, ALAN P., US
[72] FOSTER, NEAL C., US
[72] RAY, NATHAN S., US
[72] MELCONIAN, TERRAN, US
[71] GATEHOUSE BIO, INC., US
[85] 2022-07-22
[86] 2021-01-22 (PCT/US2021/014755)
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[30] US (62/964,412) 2020-01-22

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[25] EN
[54] **LOCALIZED EXPRESSION OF THERAPEUTIC NUCLEIC ACIDS IN LUNG EPITHELIAL CELLS**
[54] **EXPRESSION LOCALISEE D'ACIDES NUCLEIQUES THERAPEUTIQUES DANS DES CELLULES EPITHELIALES PULMONAIRES**
[72] CHEUNG, ANTHONY, CA
[72] LORA, JOSE, CA
[71] ENGENE, INC., CA
[85] 2022-07-22
[86] 2021-01-22 (PCT/US2021/014763)
[87] (WO2021/150997)
[30] US (62/964,588) 2020-01-22
[30] US (63/079,399) 2020-09-16

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[13] A1
[51] **Int.Cl. B64G 1/28 (2006.01) H02S 10/40 (2014.01) H02S 20/32 (2014.01) B64G 1/10 (2006.01) B64G 1/44 (2006.01)**
[25] EN
[54] **SYSTEM FOR TRACKING SOLAR ENERGY**
[54] **SYSTEME DE POURSUITE D'ENERGIE SOLAIRE**
[72] HALPERIN, ADAM H., US
[72] SEDWICK, RAYMOND, US
[71] AST & SCIENCE, LLC, US
[85] 2022-07-25
[86] 2021-02-12 (PCT/US2021/070148)
[87] (WO2021/232032)
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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01) A61K 38/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **QUANTITATIVE CONTROL OF ACTIVITY OF ENGINEERED CELLS EXPRESSING UNIVERSAL IMMUNE RECEPTORS**
[54] **CONTROLE QUANTITATIF DE L'ACTIVITE DE CELLULES MODIFIEES EXPRIMANT DES RECEPTEURS IMMUNITAIRES UNIVERSELS**
[72] POWELL, DANIEL J., JR., US
[72] TSOURKAS, ANDREW, US
[72] MINUTOLO, NICHOLAS, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2022-07-22
[86] 2021-01-23 (PCT/US2021/014811)
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[25] EN
[54] **SYNTHESIS OF UNIFORMLY DEFINED MOLECULAR WEIGHT MANNOSYLATED DEXTRANS AND DERIVATIVES THEREOF**
[54] **SYNTHESE DE DEXTRANES MANNOSYLES DE POIDS MOLECULAIRE DEFINIS DE MANIERE UNIFORME ET DE LEURS DERIVES**
[72] ARNOLD, JEFFREY, US
[72] RALPH, DAVID A., US
[71] NAVIDEA BIOPHARMACEUTICALS, INC., US
[85] 2022-07-25
[86] 2021-07-08 (PCT/US2021/040955)
[87] (WO2022/011184)
[30] US (63/049,485) 2020-07-08

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[13] A1
[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/524 (2006.01) E21B 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE RECOVERY OF OIL UNDER HARSH CONDITIONS**
[54] **COMPOSITIONS ET PROCEDES DE RECUPERATION DU PETROLE DANS DES CONDITIONS DIFFICILES**
[72] PINNAWALA, GAYANI W., US
[72] NIZAMIDIN, NABIJAN, US
[72] DWARAKANATH, VARADARAJAN, US
[72] TANG, GUO-QING, US
[72] WILHELM, AARON, US
[72] WEST, SCOTT P., US
[71] CHEVRON U.S.A. INC., US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2022-07-22
[86] 2021-01-25 (PCT/US2021/014911)
[87] (WO2021/151075)
[30] US (62/965,046) 2020-01-23
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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CAMPTOTHECIN DERIVATIVES AND CONJUGATES THEREOF**
[54] **DERIVES DE CAMPTOTHECINE ET LEURS UTILISATIONS**
[72] LI, WEI, US
[71] MEDIBOSTON, INC., US
[85] 2022-07-25
[86] 2021-02-25 (PCT/US2021/019565)
[87] (WO2021/173773)
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[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/524 (2006.01) E21B 43/00 (2006.01)**
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[54] **COMPOSITIONS AND METHODS FOR THE RECOVERY OF OIL UNDER HARSH CONDITIONS**
[54] **COMPOSITIONS ET PROCEDES POUR LA RECUPERATION D'HUILE DANS DES CONDITIONS DIFFICILES**
[72] PINNAWALA, GAYANI W., US
[72] NIZAMIDIN, NABIJAN, US
[72] DWARAKANATH, VARADARAJAN, US
[72] TANG, GUO-QING, US
[72] WILHELM, AARON, US
[72] WEST, SCOTT P., US
[71] CHEVRON U.S.A. INC., US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2022-07-22
[86] 2021-01-25 (PCT/US2021/014914)
[87] (WO2021/151078)
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[51] **Int.Cl. C23F 11/08 (2006.01) F24H 9/40 (2022.01) B65D 85/808 (2006.01) C09K 5/10 (2006.01) C23F 14/02 (2006.01) C02F 5/10 (2006.01)**
[25] EN
[54] **CORROSION INHIBITOR FOR A CENTRAL HEATING SYSTEM**
[54] **INHIBITEUR DE CORROSION POUR UN SYSTEME DE CHAUFFAGE CENTRAL**
[72] JASSAL, MO, GB
[71] ADEY HOLDINGS (2008) LIMITED, GB
[85] 2022-07-22
[86] 2021-01-20 (PCT/GB2021/050126)
[87] (WO2021/152291)
[30] GB (2001089.8) 2020-01-27

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[51] **Int.Cl. E04B 2/58 (2006.01) E04B 1/35 (2006.01) E04B 2/02 (2006.01) E04C 5/16 (2006.01) E04F 13/22 (2006.01)**
[25] EN
[54] **STRUCTURALLY REINFORCED GIRTS AND RELATED SYSTEMS AND METHODS**
[54] **LIERNES STRUCTURALEMENT RENFORCEES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] NELSON, BRIAN, US
[71] KNIGHT WALL SYSTEMS, US
[85] 2022-07-25
[86] 2021-02-18 (PCT/US2021/018565)
[87] (WO2021/168104)
[30] US (62/977,861) 2020-02-18

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[51] **Int.Cl. B65D 51/20 (2006.01) B65D 51/00 (2006.01) B65D 51/18 (2006.01)**
[25] EN
[54] **HEAT SEALING MEMBER**
[54] **ELEMENT DE THERMOSCELLAGE**
[72] ZAMORA, RAFAEL, CH
[72] PATEL, MITESHKUMAR B., GB
[71] SELIG SEALING PRODUCTS, INC., US
[85] 2022-07-25
[86] 2021-02-12 (PCT/US2021/017787)
[87] (WO2021/163430)
[30] US (62/976,661) 2020-02-14

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[13] A1
[51] **Int.Cl. C01B 32/956 (2017.01) C04B 35/565 (2006.01) C04B 41/80 (2006.01)**
[25] EN
[54] **METHOD FOR SEPARATING IMPURITIES FROM SILICON CARBIDE, AS WELL AS TEMPERATURE-TREATED AND PURIFIED SILICON CARBIDE POWDER**
[54] **PROCEDE DE SEPARATION D'IMPURETES A PARTIR DE CARBURE DE SILICIUM, ET POUDRE DE CARBURE DE SILICIUM TRAITEE PAR VOIE THERMIQUE ET PURIFIEE**
[72] ADLER, JORG, DE
[72] HEYMER, HEIKE, DE
[72] HAUSMANN, MATTHIAS, DE
[72] KLIETZ, WENZEL, DE
[72] RATHEL, JAN, DE
[72] GARBES, JOSEF, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] ESK-SIC-GMBH, DE
[85] 2022-07-25
[86] 2021-01-29 (PCT/EP2021/052173)
[87] (WO2021/152134)
[30] DE (10 2020 102 512.2) 2020-01-31

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[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12P 17/12 (2006.01)**
[25] EN
[54] **MODIFIED MICROORGANISM AND METHOD FOR THE IMPROVED PRODUCTION OF ECTOINE**
[54] **MICRO-ORGANISME MODIFIE ET PROCEDE POUR LA PRODUCTION AMELIOREE D'ECTOINE**
[72] DUMON-SEIGNOVERT, LAURENCE, FR
[72] RAYNAUD, CELINE, FR
[72] DESFOUGERES, THOMAS, FR
[71] METABOLIC EXPLORER, FR
[85] 2022-07-25
[86] 2021-02-08 (PCT/EP2021/052973)
[87] (WO2021/156509)
[30] EP (20305122.2) 2020-02-07

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[51] **Int.Cl. C08G 59/50 (2006.01) C08G 59/68 (2006.01) C09J 163/00 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **CURING AGENT COMPOSITION BASED ON DIAMINOMETHYLCYCLOHEXANE AND 1,3-CYCLOHEXANEBIS(METHYLAMINE) FOR AN EPOXY RESIN COMPOSITION, EPOXY RESIN COMPOSITION, AND MULTI-COMPONENT EPOXY RESIN SYSTEM**
[54] **COMPOSITION DE DURCISSEMENT A BASE DE DIAMINOMETHYLCYCLOHEXANE ET DE 1,3-CYCLO-HEXANE-BIS(METHYLAMINE) POUR UN COMPOSE DE RESINE EPOXYDE, COMPOSE DE RESINE EPOXY ET SYSTEME DE RES INE EPOXYDE A COMPOSANTS MULTIPLES**
[72] BEHRENS, NICOLE, DE
[72] NICKERL, GEORG, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2022-07-25
[86] 2021-03-08 (PCT/EP2021/055716)
[87] (WO2021/185607)
[30] EP (20163785.7) 2020-03-18

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) C12N 15/86 (2006.01) C12Q 1/66 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **IMPROVED ASSAY FOR DETERMINING NEUTRALISING ANTIBODY TITRE TO A VIRAL VEKTOR**
[54] **DOSAGE AMELIORE POUR DETERMINER LE TITRE D'ANTICORPS NEUTRALISANT DANS UN VEKTOR VIRAL**
[72] FOLEY, JONATHAN, GB
[72] SHEHU, ERALD, GB
[72] DANE, ALLISON, GB
[71] FREELINE THERAPEUTICS LIMITED, GB
[85] 2022-07-25
[86] 2021-01-28 (PCT/GB2021/050198)
[87] (WO2021/152314)
[30] GB (2001203.5) 2020-01-28
[30] GB (2001496.5) 2020-02-04
[30] GB (2006987.8) 2020-05-12

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[13] A1
[51] **Int.Cl. G06K 9/62 (2022.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **ACCOUNT SECURITY SYSTEM**
[54] **SYSTEME DE SECURITE DE COMPTE**
[72] EDWARDS, JOSHUA, US
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-07-25
[86] 2020-12-22 (PCT/US2020/066646)
[87] (WO2021/154426)
[30] US (16/773,466) 2020-01-27

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[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/215 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **CORONAVIRUS RNA VACCINES**
[54] **VACCINS A ARN CONTRE LE CORONAVIRUS**
[72] STEWART-JONES, GUILLAUME, US
[72] NARAYANAN, ELISABETH, US
[72] BENNETT, HAMILTON, US
[72] CARFI, ANDREA, US
[72] METKAR, MIHIR, US
[72] PRESNYAK, VLADIMIR, US
[71] MODERNATX, INC., US
[85] 2022-07-25
[86] 2021-01-26 (PCT/US2021/015145)
[87] (WO2021/154763)
[30] US (62/967,006) 2020-01-28
[30] US (62/971,825) 2020-02-07
[30] US (63/002,094) 2020-03-30
[30] US (63/009,005) 2020-04-13
[30] US (63/016,175) 2020-04-27

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **RIBOZYME-MEDIATED RNA ASSEMBLY AND EXPRESSION**
[54] **ASSEMBLAGE ET EXPRESSION D'ARN A MEDIATION PAR RIBOZYME**
[72] ANDERSON, DOUGLAS MATTHEW, US
[71] UNIVERSITY OF ROCHESTER, US
[85] 2022-07-25
[86] 2021-02-05 (PCT/US2021/016885)
[87] (WO2021/158964)
[30] US (62/971,356) 2020-02-07

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61L 27/24 (2006.01) A61L 27/36 (2006.01) A61L 27/54 (2006.01)**
[25] EN
[54] **BIOLOGIC FILLER FOR RESTORING AND REGENERATING TISSUE**
[54] **CHARGE BIOLOGIQUE POUR RESTAURER ET REGENERER UN TISSU**
[72] VOYTIK-HARBIN, SHERRY L., US
[72] PULS, THEODORE J., US
[71] GENIPHYS, INC., US
[85] 2022-07-25
[86] 2021-01-27 (PCT/US2021/015277)
[87] (WO2021/154845)
[30] US (62/966,398) 2020-01-27
[30] US (63/015,946) 2020-04-27

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) F02N 11/14 (2006.01) H02J 1/00 (2006.01) H02J 7/04 (2006.01) H02J 7/14 (2006.01)**
[25] EN
[54] **JUMP STARTING DEVICE WITH ENHANCED (TURBO) BOOST MODE**
[54] **DISPOSITIF DE RECHARGE DE BATTERIE A MODE D'APPOINT AMELIORE (TURBO)**
[72] NOOK, JONATHAN LEWIS, US
[72] UNDERHILL, DEREK MICHAEL, US
[72] STANFIELD, JAMES RICHARD, US
[71] THE NOCO COMPANY, US
[85] 2022-07-25
[86] 2021-01-04 (PCT/US2021/012119)
[87] (WO2021/154461)
[30] US (62/966,766) 2020-01-28

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[13] A1
[51] **Int.Cl. B65B 31/02 (2006.01) B65B 25/00 (2006.01) B65B 31/04 (2006.01) B65B 37/02 (2006.01) B65B 37/04 (2006.01) B65B 37/18 (2006.01) B65B 55/02 (2006.01) B65B 55/18 (2006.01)**
[25] EN
[54] **SYSTEM FOR ASEPTIC PACKAGING AND METHOD OF USING THE SAME**
[54] **SYSTEME DE CONDITIONNEMENT ASEPTIQUE ET SON PROCEDE D'UTILISATION**
[72] SANFILIPPO, JOHN, US
[72] SANFILIPPO, JAMES J., US
[71] SANFILIPPO TECH, LLC., US
[85] 2022-07-25
[86] 2021-01-27 (PCT/US2021/015340)
[87] (WO2021/154894)
[30] US (62/966,519) 2020-01-27

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[13] A1
[51] **Int.Cl. A61K 31/404 (2006.01) C07D 209/12 (2006.01) C07D 209/18 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 407/12 (2006.01) C07D 413/12 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **INHIBITORS OF APOL1 AND METHODS OF USING SAME**
[54] **INHIBITEURS D'APOL1 ET LEURS METHODES D'UTILISATION**
[72] CAO, JINGRONG, US
[72] COME, JON H., US
[72] DAKIN, LESLIE A., US
[72] DENIS, FRANCOIS, US
[72] DORSCH, WARREN A., US
[72] FORTIER, ANNE, US
[72] HAMEL, MARTINE, US
[72] KRUEGER, ELAINE B., US
[72] LEDFORD, BRIAN, US
[72] MALTAIS, FRANCOIS, US
[72] NANTHAKUMAR, SUGANTHINI S., US
[72] NICOLAS, OLIVIER, US
[72] SAYEGH, CAMIL E., US
[72] SENTER, TIMOTHY J., US
[72] WANG, TIANSHENG, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2022-07-25
[86] 2021-01-28 (PCT/US2021/015495)
[87] (WO2021/154997)
[30] US (62/967,276) 2020-01-29
[30] US (63/038,278) 2020-06-12
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[54] **BORNIER D'ENTREE DE PUISSANCE**
[72] MOSTOLLER, MATTHEW EDWARD, US
[72] LATORRE, JUSTIN, US
[71] TE CONNECTIVITY SOLUTIONS GMBH, CH
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[54] **NON-STICK ANTIBIOTIC GELS**
[54] **GELS ANTIBIOTIQUES ANTI-ADHERENTS**
[72] D'ESTE, MATTEO, CH
[71] AO TECHNOLOGY AG, CH
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[54] **PYRIDINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS**
[54] **COMPOSES DE PYRIDINE POUR LUTTER CONTRE DES NUISIBLES INVERTEBRES**
[72] AHMAD, OMAR KHALED, US
[72] BRIDDELL, TWYLA A., US
[72] CHAN, DOMINIC MING-TAK, US
[72] CHEN, YUZHONG, US
[72] HAMM, JASON CHARLES, US
[72] KAR, MOUMITA, US
[72] PAHUTSKI, THOMAS FRANCIS, JR., US
[72] STEVENSON, THOMAS MARTIN, US
[72] XU, MING, US
[72] SLACK, RACHEL, US
[71] FMC CORPORATION, US
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[54] **FRAGILE X SYNDROME AGG INTERRUPTION GENOTYPING**
[54] **GENOTYPAGE D'INTERRUPTION AGG DE SYNDROME X FRAGILE**
[72] ZHANG, ZHENXI, US
[72] ROBINSON, MATT, US
[72] OKAMOTO, PATRICIA, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
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[54] **BIOMARKERS FOR DIAGNOSING OVARIAN CANCER**
[54] **BIOMARQUEURS POUR LE DIAGNOSTIC DU CANCER DE L'OVAIRE**
[72] XU, GEGE, US
[72] SHEN, LING, US
[72] XU, HUI, US
[72] SERIE, DANIEL, US
[71] VENN BIOSCIENCES CORPORATION, US
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[54] **SINGLE LAYERED GARMENT FABRIC**
[54] **TISSU DE VETEMENT A COUCHE UNIQUE**
[72] GURUGE, NILANKA LAKMAN, LK
[72] OWENS, HAYLEY, LK
[72] SOMASIRI, PULUKKUTTIGE DON RESITHA, LK
[72] PRIYANKARA, MORALIYAGE DON SISIRA DIMUTHU, LK
[71] INQUBE SOLUTIONS (PRIVATE) LIMITED, LK
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[54] **ARTICULATION LOCKING MECHANISMS FOR END EFFECTORS**
[54] **MECANISMES DE VERROUILLAGE D'ARTICULATION POUR EFFECTEURS TERMINAUX**
[72] DEUEL, CHRISTOPHER R., US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-07-25
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[54] **SYSTEMS FOR TREATING ALONG THE CENTRAL NERVOUS SYSTEM**
[54] **SYSTEMES DE TRAITEMENT LE LONG DU SYSTEME NERVEUX CENTRAL**
[72] DARBANDI, BEJAN MICHAEL, US
[72] MCCABE, AARON R., US
[71] MINNETRONIX NEURO, INC., US
[85] 2022-07-25
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[54] **ENGINEERED LEUCINE DECARBOXYLASES**
[54] **LEUCINE DECARBOXYLASES MODIFIEES**
[72] LIU, JOYCE, US
[72] TEADT, LEANN QUERTINMONT, US
[72] DELLAS, NIKKI, US
[72] JENNE, STEPHAN, US
[72] DU, FAYE LOAN, US
[72] VALLIEU, KRISTEN JEAN, US
[72] MCCLUSKIE, KERRYN, US
[71] CODEXIS, INC., US
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[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF CANCER AND CANCER METASTASIS**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER ET DE METASTASES CANCEREUSES**
[72] AZNAR BENITAH, SALVADOR, ES
[72] AMENDOLA, PIER GIORGIO, ES
[72] VANHOOREN, VALERIE, ES
[72] DE FRIAS SANCHEZ, MERCE, ES
[72] MORANCHO ARMISEN, BEATRIZ, ES
[71] ONA THERAPEUTICS S.L., ES
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[25] EN
[54] **FLOAT, FLOAT ASSEMBLIES, FLOAT ADAPTERS AND INTERFACES, VIBRATION APPARATUS, AND GROOVERS AND METHODS**
[54] **APLANISSOIR, ENSEMBLES D'APLANISSOIR, INTERFACES ET ADAPTATEURS D'APLANISSOIR, APPAREIL DE VIBRATION, ET FERS A RAINURAGE ET PROCEDES**
[72] BARATTA, ANTHONY, US
[71] BARON INNOVATIVE TECHNOLOGY LP, US
[85] 2022-07-25
[86] 2021-02-03 (PCT/US2021/016454)
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[54] **TOOL FOR ASSISTING INDIVIDUALS EXPERIENCING AUDITORY HALLUCINATIONS TO DIFFERENTIATE BETWEEN HALLUCINATIONS AND AMBIENT SOUNDS**
[54] **OUTIL POUR AIDER DES INDIVIDUS SOUMIS A DES HALLUCINATIONS AUDITIVES A DIFFERENCIER DES HALLUCINATIONS ET DES SONS AMBIANTS**
[72] KIDD, SEAN ANDREW, CA
[72] ADLER, AMOS, CA
[72] NEKOUEI, HEAMALDIN, CA
[72] KALEIS, LINDA, CA
[71] CENTRE FOR ADDICTION AND MENTAL HEALTH, CA
[71] MEMOTEXT CORPORATION, CA
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[25] EN
[54] **INFLOW / OUTFLOW CANNULA**
[54] **CANULE D'ENTREE/SORTIE**
[72] ALSTON, JR., STEVEN M, US
[72] BRYSON, SCOTT M., US
[72] GOEPFRICH, JAMES L., US
[71] W. L. GORE & ASSOCIATES, INC., US
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[25] EN
[54] **KEY AND KEY BLANKS OPERABLE IN VERTICALLY AND HORIZONTALLY ORIENTED KEYWAYS**
[54] **CLE ET EBAUCHES DE CLE POUVANT FONCTIONNER DANS DES ENTREES DE CLE ORIENTEES VERTICALEMENT ET HORIZONTALEMENT**
[72] DUCKWALL, THOMAS, US
[72] FIELD, PETER H., US
[72] ROBERSON, CLYDE T., US
[72] TRENT, DOUGLAS E., US
[71] ASSA ABLOY HIGH SECURITY GROUP INC., US
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[51] **Int.Cl. H02G 3/22 (2006.01) H02G 15/013 (2006.01)**
[25] EN
[54] **CABLE BUSHING**
[54] **BAGUE DE CABLE**
[72] LIPS, YANNICK, DE
[71] REFLEX WINKELMANN GMBH, DE
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[30] DE (10 2020 102 583.1) 2020-02-03

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[25] EN
[54] **RUBBER COMPOSITION FOR AN INNER LINER FOR PNEUMATIC VEHICLE TYRES**
[54] **COMPOSITION DE CAOUTCHOUC POUR GOMME INTERIEURE DE PNEUMATIQUE DE VEHICULE**
[72] SCHWAIGER, BERNHARD, DE
[72] WITTMANN, TOBIAS, DE
[72] PODSCHUN, JACOB, DE
[71] SUNCOAL INDUSTRIES GMBH, DE
[71] KOEHLER INNOVATION & TECHNOLOGY GMBH, DE
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[54] **CELL ISOLATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'ISOLATION DE CELLULES**
[72] HOLENSTEIN, CLAUDE NICOLAS, CH
[72] RONFARD, VINCENT, CH
[72] DITTRICH, ANNA-LENA, CH
[72] FREI, RETO, CH
[72] WULLSCHLEGER, CHRISTIAN STEFAN, CH
[72] EISENBERG, JASCHA, CH
[72] WOLLMANN, SEBASTIAN, CH
[71] CUTISS AG, CH
[85] 2022-07-22
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[25] EN
[54] **LIGAND-MEDIATED DELIVERY OF THERAPEUTIC PROTEINS AND THE USES THEREOF**
[54] **ADMINISTRATION MEDIEE PAR LIGAND DE PROTEINES THERAPEUTIQUES ET LEURS UTILISATIONS**
[72] FIGUEIREDO, MARXA L., US
[71] PURDUE RESEARCH FOUNDATION, US
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[25] EN
[54] **MRNAS ENCODING METABOLIC REPROGRAMMING POLYPEPTIDES AND USES THEREOF**
[54] **ARNM CODANT DES POLYPEPTIDES DE REPROGRAMMATION METABOLIQUE ET LEURS UTILISATIONS**
[72] HUANG, ERIC YI-CHUN, US
[72] TSE, SZE-WAH, US
[72] DE PICCIOTTO, SEYMOUR, US
[72] KENNEY, LAURIE, US
[71] MODERNATX, INC., US
[85] 2022-07-22
[86] 2021-01-29 (PCT/US2021/015881)
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[25] EN
[54] **RAIL SYSTEM**
[54] **SYSTEME DE RAIL**
[72] HAYES, KERRY, AU
[72] CAMPBELL, ROBERT KENNETH, AU
[71] HAYES, KERRY, AU
[71] CAMPBELL, ROBERT KENNETH, AU
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[25] EN
[54] **INCOGNITO-EXPOSURE INFORMATION ACQUIRING METHOD AND APPARATUS THEREOF**
[54] **METHODE ET APPAREIL D'ACQUISITION DE RENSEIGNEMENTS A EXPOSITION INCOGNITO**
[72] HU, XIAO, CN
[72] LI, YONGRUI, CN
[72] XU, XIAJUN, CN
[72] HU, MENGLIANG, CN
[71] 10353744 CANADA LTD., CA
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[51] **Int.Cl. A01G 9/029 (2018.01)**
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[54] **PLANT HOLDING DEVICE**
[54] **DISPOSITIF DE RETENUE DE PLANTES**
[72] PARAPATITS, MARTIN, AT
[71] PHYTONIQ TECHNOLOGY GMBH, AT
[85] 2022-07-25
[86] 2020-02-18 (PCT/EP2020/054144)
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[51] **Int.Cl. G16H 30/40 (2018.01) A63F 13/25 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR USING MULTI VIEW POSE ESTIMATION**
[54] **PROCEDES ET SYSTEMES D'UTILISATION D'ESTIMATION DE POSE MULTIVUE**
[72] SEZGANOV, DIMA, IL
[72] AMIT, TOMER, IL
[71] BODY VISION MEDICAL LTD., IL
[85] 2022-07-25
[86] 2021-01-25 (PCT/IB2021/000027)
[87] (WO2021/148881)
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[51] **Int.Cl. A01G 9/029 (2018.01) A01G 9/12 (2006.01) A01G 31/02 (2006.01)**
[25] EN
[54] **PLANT HOLDING DEVICE**
[54] **DISPOSITIF DE RETENUE DE PLANTES**
[72] PARAPATITS, MARTIN, AT
[71] PHYTONIQ TECHNOLOGY GMBH, AT
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[86] 2020-02-18 (PCT/EP2020/054143)
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[51] **Int.Cl. H04B 3/54 (2006.01) H04W 88/10 (2009.01) H04L 12/28 (2006.01)**
[25] EN
[54] **MODULAR CUSTOMER PREMISES EQUIPMENT FOR PROVIDING BROADBAND INTERNET**
[54] **EQUIPEMENT DE LOCAUX CLIENT MODULAIRE POUR LA FOURNITURE DE L'INTERNET A LARGE BANDE**
[72] SCHAFER, DAVID GREGORY, US
[72] CONLEY, ROBERT J., US
[72] GUSTAFSON, MARK WAYNE, US
[72] MING, CAO, US
[71] AVISTA EDGE, INC., US
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[86] 2021-03-17 (PCT/US2021/022683)
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[30] US (62/991,436) 2020-03-18
[30] US (63/006,304) 2020-04-07
[30] US (63/110,538) 2020-11-06
[30] US (17/202,564) 2021-03-16
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[51] **Int.Cl. H04B 10/40 (2013.01)**
[25] EN
[54] **HIGH-SPEED OPTICAL TRANSMISSION/RECEPTION APPARATUS**
[54] **DISPOSITIF D'EMISSION/RECEPTION OPTIQUE A GRANDE VITESSE**
[72] OGISO, YOSHIHIRO, JP
[72] TANOBE, HIROMASA, JP
[72] YAMANAKA, SHOGO, JP
[72] OZAKI, JOSUKE, JP
[72] ISHIKAWA, MITSUTERU, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
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[51] **Int.Cl. B29C 45/27 (2006.01) B29C 45/76 (2006.01)**
[25] EN
[54] **METHOD AND INJECTION MOLDING MANIFOLD ADAPTED FOR LEAK DETECTION DURING INJECTION MOLDING**
[54] **PROCEDE ET COLLECTEUR DE MOULAGE PAR INJECTION CONCUS POUR UNE DETECTION DE FUITE PENDANT UN MOULAGE PAR INJECTION**
[72] STRIEGEL, CHRISTIAN, DE
[72] GREB, SCOTT, US
[72] JOERG, ANTON, DE
[71] INCOE CORPORATION, US
[85] 2022-08-15
[86] 2021-02-23 (PCT/US2021/019234)
[87] (WO2021/173551)
[30] US (16/802,874) 2020-02-27

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[51] **Int.Cl. C07D 233/60 (2006.01)**
[25] EN
[54] **TRIFLAZOLES AND METHODS OF MAKING THE SAME**
[54] **TRIFLAZOLES ET LEURS PROCEDES DE PRODUCTION**
[72] JOHNSON, MARTIN REID, US
[71] TRINAPCO, INC., US
[85] 2022-07-22
[86] 2020-10-06 (PCT/US2020/054404)
[87] (WO2021/154345)
[30] US (62/968,243) 2020-01-31

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[51] **Int.Cl. G06N 5/02 (2006.01)**
[25] EN
[54] **COMPUTERIZED-SYSTEM AND COMPUTERIZED-METHOD TO CALCULATE AN ECONOMIC FEASIBILITY ANALYSIS FOR AN URBAN PLANNING MODEL**
[54] **SYSTEME INFORMATISE ET PROCEDE INFORMATISE PERMETTANT DE CALCULER UNE ANALYSE DE FAISABILITE ECONOMIQUE POUR UN MODELE DE PLANIFICATION URBAINE**
[72] PAZ EREZ, DANIELA, IL
[72] LIVNAT, ZIV, IL
[72] AZOGUI, TAL, IL
[72] TALMOR, ANAT, IL
[71] URBAN DASHBOARD LTD, IL
[85] 2022-07-25
[86] 2021-01-28 (PCT/IL2021/050104)
[87] (WO2021/152593)
[30] US (62/967,058) 2020-01-29

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[51] **Int.Cl. H02K 41/00 (2006.01) H02K 7/00 (2006.01) H02K 7/06 (2006.01)**
[25] EN
[54] **MAGNETIC DRIVE MOTOR ASSEMBLY AND ASSOCIATED METHOD OF USE**
[54] **ENSEMBLE MOTEUR A ENTRAINEMENT MAGNETIQUE ET PROCEDE D'UTILISATION ASSOCIE**
[72] HERRIN, ROBERT, US
[72] KHANT, SEAN R., US
[71] MAGNAMOTOR, LLC, US
[85] 2022-08-15
[86] 2021-02-17 (PCT/US2021/018362)
[87] (WO2021/167969)
[30] US (62/977,568) 2020-02-17

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[51] **Int.Cl. C07K 14/575 (2006.01) A61K 39/00 (2006.01) A61K 39/08 (2006.01) A61P 25/06 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **PEPTIDE IMMUNOGENS TARGETING PITUITARY ADENYLATE CYCLASE-ACTIVATING PEPTIDE (PACAP) AND FORMULATIONS THEREOF FOR PREVENTION AND TREATMENT OF MIGRAINE**
[54] **IMMUNOGENES PEPTIDIQUES CIBLANT LE PEPTIDE D'ACTIVATION D'ADENYLATE CYCLASE PITUITAIRE (PACAP) ET FORMULATIONS ASSOCIEES POUR LA PREVENTION ET LE TRAITEMENT DE LA MIGRAINE**
[72] WANG, CHANG YI, US
[72] LIN, FENG, US
[72] DING, SHUANG, US
[71] UNITED BIOMEDICAL, INC., US
[85] 2022-07-25
[86] 2021-01-22 (PCT/US2021/014640)
[87] (WO2021/150910)
[30] US (62/964,953) 2020-01-23

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[51] **Int.Cl. B62K 5/10 (2013.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01) B62J 17/086 (2020.01) B62H 1/10 (2006.01) B62K 5/08 (2006.01) B62K 5/00 (2013.01)**
[25] EN
[54] **A TILTING VEHICLE WITH AT LEAST THREE WHEELS, A SAFETY DEVICE, AND A METHOD**
[54] **VEHICULE INCLINABLE AVEC AU MOINS TROIS ROUES, DISPOSITIF DE SECURITE ET PROCEDE**
[72] MORONI, MARCO, CH
[72] LIGUORI, MICHELANGELO, CH
[71] QOODER S.A., CH
[85] 2022-08-15
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[13] A1
[51] **Int.Cl. A24C 5/46 (2006.01) A24D 3/02 (2006.01) B31C 5/00 (2006.01)**
[25] EN
[54] **A MACHINE AND METHOD FOR MAKING A CONTINUOUS TUBULAR ELEMENT WITH FILLING HAVING A SPACER AND/OR FILTER FUNCTION**
[54] **MACHINE ET PROCEDE PERMETTANT DE FABRIQUER UN ELEMENT TUBULAIRE CONTINU AVEC REMPLISSAGE AYANT UNE FONCTION D'ESPACEMENT ET/OU DE FILTRE**
[72] EUSEPI, IVAN, IT
[72] BALDANZA, NICOLA, IT
[72] ESPOSTI, MARCO, IT
[72] RIZZO, GENNARO, IT
[72] GAMBERINI, GIULIANO, IT
[71] G.D S.P.A., IT
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[86] 2021-02-24 (PCT/IB2021/051529)
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[30] IT (102020000003943) 2020-02-26

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[51] **Int.Cl. A24C 5/46 (2006.01) A24D 3/02 (2006.01) B31C 5/00 (2006.01)**
[25] EN
[54] **A MACHINE AND METHOD FOR MAKING A CONTINUOUS TUBULAR ELEMENT WITH FILLING HAVING A SPACER AND/OR FILTER FUNCTION**
[54] **MACHINE ET PROCEDE DE FABRICATION D'UN ELEMENT TUBULAIRE CONTINU DOTE D'UNE GARNITURE A FONCTION D'ESPACEMENT ET/OU DE FILTRAGE**
[72] EUSEPI, IVAN, IT
[72] BALDANZA, NICOLA, IT
[72] ESPOSTI, MARCO, IT
[72] RIZZO, GENNARO, IT
[72] GAMBERINI, GIULIANO, IT
[71] G.D S.P.A., IT
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[51] **Int.Cl. A61B 5/24 (2021.01) A61M 5/172 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **SENSING SYSTEM INCLUDING LAYERED MICROPROBE**
[54] **SYSTEME DE DETECTION COMPRENANT UNE MICROSONDE EN COUCHES**
[72] LEFLER, SHARON, IL
[72] TAMIR, IDAN, IL
[72] SCHREIBER, DAVID, IL
[72] MASASA, HILA, IL
[71] QULAB MEDICAL LTD., IL
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[25] EN
[54] **AIR OUTLET WITH ELECTRICAL APPLIANCE**
[54] **SORTIE D'AIR AVEC APPAREIL ELECTRIQUE**
[72] RENSON, THIBAULT LOUIS, BE
[71] PRADO EUROPE BV, BE
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[87] (WO2021/144774)
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[30] NL (2024689) 2020-01-17
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[25] EN
[54] **MOLECULAR MOBILITY ENHANCER OR MOLECULAR DRYING ENHANCER**
[54] **ACTIVATEUR DE MOBILITE MOLECULAIRE OU ACTIVATEUR DE SECHAGE MOLECULAIRE**
[72] STOREY, DANIEL, US
[72] THOMAS, CHRISTINA K., US
[72] COOKSON, ADAM R., US
[71] TEKDRY INTERNATIONAL, INC., US
[85] 2022-07-22
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[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING PPDU ON WHICH BCC INTERLEAVING HAS BEEN PERFORMED IN MULTI-RU IN WIRELESS LAN SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE RECEPTION D'UNE PPDU SUR LAQUELLE A ETE EFFECTUE UN ENTRELACEMENT BCC DANS UNE MULTI-RU DANS UN SYSTEME LAN SANS FIL**
[72] PARK, EUNSUNG, KR
[72] CHUN, JINYOUNG, KR
[72] CHOI, JINSOO, KR
[72] LIM, DONGGUK, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-07-25
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[30] KR (10-2020-0010077) 2020-01-28
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[25] EN
[54] **LOCK ASSEMBLY FOR GROUND ENGAGING TOOL**
[54] **ENSEMBLE DE VERROUILLAGE POUR OUTIL DE MISE EN PRISE AVEC LE SOL**
[72] TAN, JIA HOU, MY
[72] DENNIS, NEIL ROBERT, MY
[71] TALON ENGINEERING SDN BHD, MY
[85] 2022-07-26
[86] 2021-02-04 (PCT/AU2021/050085)
[87] (WO2021/155434)
[30] AU (2020900305) 2020-02-04

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[25] FR
[54] **SYSTEM FOR CONTROLLING A STERILE VOLUME**
[54] **SYSTEME DE CONTROLE D'UN VOLUME STERILE**
[72] VAISLIC, CLAUDE, FR
[72] GAFSOU, OLIVIER, FR
[71] REMED-IA TECHNOLOGIES, FR
[85] 2022-07-26
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[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **COMPOUND MICROLENS DESIGN FOR HYPEROPIC PERIPHERAL DEFOCUS REDUCTION**
[54] **CONCEPTION DE MICROLENTILLE COMPOSITE POUR UNE REDUCTION DE DEFOCALISATION PERIPHERIQUE HYPERMETROPE**
[72] TOKARSKI, ZBIGNIEW, US
[72] DRAMMEH, AHMED, US
[71] ESSILOR INTERNATIONAL, FR
[85] 2022-07-26
[86] 2021-04-12 (PCT/EP2021/059455)
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[30] EP (20315164.2) 2020-04-14

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[51] **Int.Cl. F16K 11/085 (2006.01) A61M 39/22 (2006.01) F16K 31/524 (2006.01) F16K 31/56 (2006.01) F16K 35/00 (2006.01)**
[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] DHARMADASA, ASELA BANDARA, GB
[72] BLAIR, NIGEL STEPHEN, GB
[72] MCCULLOCH, ANDREW DOUGLAS, GB
[72] PATEL, MANISH KUMAR, GB
[72] GOMEZ, CARLOS MH, GB
[71] IMPERIAL COLLEGE INNOVATIONS LIMITED, GB
[85] 2022-07-26
[86] 2021-02-05 (PCT/GB2021/050261)
[87] (WO2021/156629)
[30] GB (2001683.8) 2020-02-07

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[13] A1
[51] **Int.Cl. A61L 2/24 (2006.01) B25J 9/00 (2006.01) B25J 9/16 (2006.01)**
[25] EN
[54] **DISINFECTION SYSTEM**
[54] **SYSTEME DE DESINFECTION**
[72] CHAN, JOHNNY YAT MING, CN
[72] HO, WAI HONG, CN
[72] LAU, JOHNSON YIU-NAM, US
[71] AVALON BIOMEDICAL (MANAGEMENT) LIMITED, CN
[85] 2022-07-26
[86] 2020-11-28 (PCT/US2020/070826)
[87] (WO2021/206772)
[30] US (62/965,987) 2020-01-26
[30] HK (32020005636.6) 2020-04-09
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[13] A1
[51] **Int.Cl. A47J 37/12 (2006.01)**
[25] EN
[54] **AIR FRYER BASKET ACCESSORY FOR AIR FRYER**
[54] **ACCESSOIRE DE PANIER DE FRITEUSE A AIR POUR FRITEUSE A CONVECTION**
[72] ITZKOWITZ, BINYUMEN, US
[72] FRIEDMAN, MEILECH, US
[72] DEUTSCH, JOSEPH, US
[72] WERTZBERGER, KALMAN, US
[72] DE LUCA, ROBYN, US
[72] HUANG, WENHUI, US
[71] THE STEELSTONE GROUP LLC, US
[85] 2022-07-26
[86] 2021-01-25 (PCT/US2021/014904)
[87] (WO2021/158385)
[30] US (62/969,885) 2020-02-04

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[51] **Int.Cl. A23K 10/37 (2016.01) A23L 33/185 (2016.01) A23D 9/02 (2006.01) A23J 1/00 (2006.01) C11B 1/06 (2006.01)**
[25] EN
[54] **PROTEIN INGREDIENT AND OIL PREPARATION FROM THE SEEDS OF MACAUBA FRUIT AND METHOD FOR PREPARING SAME**
[54] **PREPARATION A BASE D'INGREDIENT DE PROTEINES ET D'HUILE A PARTIR DE GRAINES DE MACAUBA ET SON PROCEDE DE PREPARATION**
[72] EISNER, PETER, DE
[72] MITTERMAIER, STEFANIE, DE
[72] MURANYI, ISABEL, DE
[72] DOER, GABRIELE, DE
[72] TOLEDO E SILVA, SERGIO HENRIQUE, DE
[72] APARECIDA FERRARI, ROSELI, BR
[72] MARTINS MOREIRA, ALEXANDRE, BR
[72] BATAGLIA DA SILVA, LIDIANE, BR
[72] COLOMBO, CARLOS, BR
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] INSTITUTO DE TECNOLOGIA DE ALIMENTOS (ITAL), BR
[85] 2022-07-20
[86] 2021-02-15 (PCT/EP2021/053612)
[87] (WO2021/160877)
[30] DE (10 2020 103 909.3) 2020-02-14

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[51] **Int.Cl. C22B 26/22 (2006.01) C01B 32/942 (2017.01) C01F 5/00 (2006.01) C21B 3/00 (2006.01) C22B 5/10 (2006.01) C22B 13/00 (2006.01) C22B 19/00 (2006.01) C22B 23/00 (2006.01) C22B 25/00 (2006.01) C22B 26/20 (2006.01) C22B 34/00 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **METHOD OF CARBOTHERMIC PROCESS OF MAGNESIUM PRODUCTION AND CO-PRODUCTION OF CALCIUM CARBIDE**
[54] **PROCEDE DE FUSION CARBOTHERMIQUE DE MAGNESIUM ET DE COPRODUCTION DE CARBURE DE CALCIUM**
[72] ZHANG, SHAOJUN, CN
[71] ZHENGZHOU UNIVERSITY, CN
[85] 2022-07-27
[86] 2020-12-17 (PCT/CN2020/137175)
[87] (WO2021/121312)
[30] CN (201911302508.6) 2019-12-17

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[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61P 25/00 (2006.01) A61P 27/00 (2006.01) C07D 403/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **KV3 MODULATORS**
[54] **MODULATEURS DE KV3**
[72] ALVARO, GIUSEPPE, GB
[72] MARASCO, AGOSTINO, GB
[71] AUTIFONY THERAPEUTICS LIMITED, GB
[85] 2022-07-29
[86] 2020-02-06 (PCT/GB2020/050268)
[87] (WO2021/156584)

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[13] A1
[51] **Int.Cl. B66B 5/00 (2006.01) G01S 17/89 (2020.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETERMINING ESTIMATED REAL DIMENSIONS OF AN ELEVATOR CAR**
[54] **PROCEDE ET DISPOSITIF POUR DETERMINER LES DIMENSIONS REELLES ESTIMEES D'UNE CABINE D'ASCENSEUR**
[72] ARANDES VILAGRASA, ROC, ES
[72] CHIAPPA, ALBERTO, CH
[72] GUIDETTI, XAVIER, CH
[72] KUSSEROW, MARTIN, CH
[72] PAVLIV, MAXIM, CH
[72] RENAUD, LOUIS-DOMINIQUE, FR
[71] INVENTIO AG, CH
[85] 2022-08-03
[86] 2021-02-01 (PCT/EP2021/052240)
[87] (WO2021/156168)
[30] EP (20155774.1) 2020-02-06

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61B 17/22 (2006.01) A61M 1/36 (2006.01) A61M 39/16 (2006.01)**
[25] EN
[54] **CUFFED AND NON-CUFFED DIALYSIS CATHETER SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE CATHETER DE DIALYSE AVEC ET SANS BALLONNET**
[72] VELARDE, FRANZ E., US
[71] VELARDE, FRANZ E., US
[85] 2022-08-04
[86] 2021-02-04 (PCT/US2021/016562)
[87] (WO2021/158753)
[30] US (62/969,846) 2020-02-04

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[13] A1
[51] **Int.Cl. A47F 3/04 (2006.01) F25D 23/02 (2006.01)**
[25] EN
[54] **BEVERAGE COOLER FOR PROVIDING SUPERCOOLED OR CHILLED BEVERAGES**
[54] **REFROIDISSEUR DE BOISSONS PERMETTANT DE FOURNIR DES BOISSONS EN SURFUSION OU REFRIGEREES**
[72] DESHPANDE, PRASHANT, US
[72] BHUTANI, GURMEET SINGH, US
[71] PEPSICO, INC., US
[85] 2022-08-04
[86] 2021-02-10 (PCT/US2021/017435)
[87] (WO2021/163176)
[30] IN (202041005811) 2020-02-11

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[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/08 (2006.01) A42B 3/10 (2006.01)**
[25] EN
[54] **PROTECTIVE HELMET WITH AIRBAG**
[54] **CASQUE DE PROTECTION A COUSSIN DE SECURITE GONFLABLE**
[72] DESCROVI, ROBERTA, GB
[71] LOCATELLI S.P.A., IT
[85] 2022-08-09
[86] 2021-02-12 (PCT/EP2021/053480)
[87] (WO2021/160817)
[30] IT (102020000002998) 2020-02-14

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[13] A1
[51] **Int.Cl. B65G 43/08 (2006.01) B65G 37/00 (2006.01) B65G 59/00 (2006.01) B65G 60/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR HANDLING PARCEL FLOW WITH DAMMING CONVEYOR**
[54] **SYSTEME DE GESTION DE FLUX DE COLIS AVEC UN TRANSPORTEUR DE RETENUE**
[72] BERG, NICHOLAS A., US
[72] FUCHS, JON TODD, US
[72] FUTTER, JEREMIAH JASON, US
[72] RECEVEUR, PAUL, US
[71] MATERIAL HANDLING SYSTEMS, INC., US
[85] 2022-08-09
[86] 2020-11-09 (PCT/US2020/059650)
[87] (WO2021/173195)
[30] US (62/980,486) 2020-02-24

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[13] A1
[51] **Int.Cl. H01B 5/02 (2006.01) H02B 1/20 (2006.01)**
[25] EN
[54] **SINUSOIDAL TUBULAR CONDUCTING BUSBAR**
[54] **BUS CONDUCTEUR TUBULAIRE SINUSOIDAL**
[72] FRANCISQUINI, MELQUISEDEC, BR
[71] FRANCISQUINI, MELQUISEDEC, BR
[85] 2022-08-10
[86] 2021-02-11 (PCT/BR2021/050065)
[87] (WO2021/159196)
[30] BR (BR 10 2020 003216-0) 2020-02-14

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[13] A1
[51] **Int.Cl. E01B 27/16 (2006.01)**
[25] EN
[54] **SYSTEM FOR WORKING ON A TRACK**
[54] **SYSTEME POUR TRAVAILLER SUR UNE VOIE FERREE**
[72] PHILIPP, THOMAS, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2022-08-10
[86] 2021-03-02 (PCT/EP2021/055146)
[87] (WO2021/197741)
[30] EP (20167556.8) 2020-04-01

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[13] A1
[51] **Int.Cl. H01M 10/653 (2014.01) H01M 10/65 (2014.01) B60L 58/00 (2019.01) B60L 58/10 (2019.01) B60L 58/24 (2019.01) B60L 58/32 (2019.01)**
[25] EN
[54] **THERMAL MANAGEMENT SYSTEM FOR RECHARGEABLE BATTERIES**
[54] **SYSTEME DE GESTION THERMIQUE POUR BATTERIES RECHARGEABLES**
[72] PACZKOWSKI, HENRY, US
[72] BURKE, PETER J., US
[72] SHA, DANIEL, US
[72] RUDOLPH, EUGENE, US
[72] SQUILLANTE, ALAN, US
[71] BREN-TRONICS, INC., US
[85] 2022-08-10
[86] 2020-12-09 (PCT/US2020/064070)
[87] (WO2021/119164)
[30] US (62/946,513) 2019-12-11

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[13] A1
[51] **Int.Cl. B67D 1/00 (2006.01) A23L 2/76 (2006.01) A47J 31/40 (2006.01) A47J 31/41 (2006.01) B67D 1/07 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING NOZZLE**
[54] **BUSE DE DISTRIBUTION DE BOISSON**
[72] EBOIGBODIN, EVANS, US
[72] JERSEY, STEVEN T., US
[72] UBIDIA, FERNANDO A., US
[72] STEIN, AARON, US
[72] ARROYO, JOSE-LUIS, US
[71] PEPSICO, INC., US
[85] 2022-08-10
[86] 2021-02-05 (PCT/US2021/016725)
[87] (WO2021/162940)
[30] US (16/792,016) 2020-02-14

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) G06Q 30/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **OPTIMIZATION OF DELIVERY ASSOCIATE INCENTIVES**
[54] **OPTIMISATION DE PRIMES D'ASSOCIE DE LIVRAISON**
[72] REN, JIARUI, US
[72] RAMESH, RAGHAV, US
[72] LIN, SIFENG, US
[71] DOORDASH, INC., US
[85] 2022-08-10
[86] 2021-02-05 (PCT/US2021/016835)
[87] (WO2021/162952)
[30] US (16/790,426) 2020-02-13

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[13] A1
[51] **Int.Cl. E04H 1/12 (2006.01) A61G 10/00 (2006.01) E04B 1/99 (2006.01) E04H 1/00 (2006.01) E06B 5/20 (2006.01) H01L 41/00 (2013.01) H01L 41/04 (2006.01)**
[25] EN
[54] **COMPACT TREATMENT, EXAMINATION AND WAITING STATION**
[54] **STATION COMPACTE DE TRAITEMENT, D'EXAMEN ET D'ATTENTE**
[72] LENNON, JAMES ALBERT, US
[71] HKS INC., US
[85] 2022-08-11
[86] 2021-02-10 (PCT/US2021/017482)
[87] (WO2021/163210)
[30] US (62/976,924) 2020-02-14
[30] US (17/153,531) 2021-01-20

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[13] A1
[51] **Int.Cl. H01M 4/525 (2010.01) C01G 53/00 (2006.01)**
[25] EN
[54] **A METHOD FOR PREPARING A POSITIVE ELECTRODE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM ION BATTERIES**
[54] **PROCEDE DE PREPARATION D'UN MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIES AU LITHIUM-ION RECHARGEABLES**
[72] ROH, KWONSUN, KR
[72] LEE, SEUNGHWAN, KR
[72] BLANGERO, MAXIME, KR
[72] TONNON, BERNARD, BE
[72] ZHU, LIANG, BE
[72] KIM, JIHYE, KR
[71] UMICORE, BE
[85] 2022-08-12
[86] 2021-02-17 (PCT/EP2021/053813)
[87] (WO2021/165282)
[30] US (62/977,501) 2020-02-17
[30] EP (20157841.6) 2020-02-18
[30] EP (PCT/EP2020/063466) 2020-05-14

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[13] A1
[51] **Int.Cl. B42D 25/328 (2014.01)**
[25] EN
[54] **FLAT SECURITY ELEMENT WITH OPTICAL SECURITY FEATURES**
[54] **ELEMENT DE SECURITE PLAT PRESENTANT DES CARACTERISTIQUES DE SECURITE OPTIQUE**
[72] TRASSL, STEPHAN, AT
[71] HUECK FOLIEN GESELLSCHAFT M.B.H., AT
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[54] **METHOD FOR PRODUCING STEEL COMPONENT HAVING LOCALLY SOFTENED PART**
[54] **PROCEDE DE FABRICATION D'ELEMENT EN ACIER DOTE DE SECTION RAMOLLIE LOCALEMENT**
[72] MIZUTA, NAOKI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
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[86] 2021-01-15 (PCT/JP2021/001266)
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[51] **Int.Cl. A23L 2/52 (2006.01) G05D 11/06 (2006.01) G05D 11/13 (2006.01)**
[25] EN
[54] **REAL-TIME QUALITY MONITORING OF BEVERAGE BATCH PRODUCTION USING DENSITOMETRY**
[54] **SUIVI DE QUALITE EN TEMPS REEL DE PRODUCTION DE LOT DE BOISSONS AU MOYEN DE LA DENSITOMETRIE**
[72] CHOUBAK, SAMAN, US
[72] AHTCHI-ALI, BADREDDINE, US
[71] PEPSICO, INC., US
[85] 2022-08-12
[86] 2021-02-12 (PCT/US2021/017891)
[87] (WO2021/163514)
[30] US (16/791,852) 2020-02-14

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[54] **THREE WAY VALVE CONTROLLED SPRAYING SYSTEM**
[54] **SYSTEME DE PULVERISATION COMMANDE PAR VANNE A TROIS VOIES**
[72] CROSBY, DAVID G., US
[72] WINTER, TIMOTHY J., US
[71] SPRAYING SYSTEMS CO., US
[85] 2022-08-12
[86] 2021-02-12 (PCT/US2021/017963)
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[54] **QUALITY CONTROL SYSTEM AND METHOD FOR ELECTRIC BATTERY CELLS**
[54] **SYSTEME ET PROCEDE DE CONTROLE DE QUALITE POUR ELEMENTS DE BATTERIES ELECTRIQUES**
[72] TOMASI, DANIELE, IT
[71] COMAU S.P.A., IT
[85] 2022-08-15
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[54] **MODIFIED PEANUT BUTTER COMPOSITION AND METHOD OF PRODUCING SAME**
[54] **COMPOSITION DE BEURRE D'ARACHIDES MODIFIEE ET SON PROCEDE DE PRODUCTION**
[72] KERSHMAN, ALVIN, US
[72] SHEAR, JEFF, US
[71] DOSKOCIL MANUFACTURING COMPANY, INC., US
[85] 2022-07-20
[86] 2021-02-03 (PCT/US2021/016367)
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[25] EN
[54] **MAGNETIC COMPONENT WITH ELASTIC MAGNETIC COMPOUND**
[54] **COMPOSANT MAGNETIQUE A COMPOSE MAGNETIQUE ELASTIQUE**
[72] KUNTSCHKE, PATRICK, DE
[71] MAX BAERMANN GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, DE
[85] 2022-07-21
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[54] **A MULTIPURPOSE FARMING AND GARDENING MACHINE**
[54] **MACHINE DE TRAVAIL AGRICOLE ET DE JARDINAGE POLYVALENTE**
[72] KARUPPUSAMY, JAYAKUMAR, IN
[71] KARUPPUSAMY, JAYAKUMAR, IN
[85] 2022-07-15
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[54] **RAPIDLY COOLING FOOD AND DRINKS**
[54] **ALIMENTS ET BOISSONS A REFROIDISSEMENT RAPIDE**
[72] FONTE, MATTHEW, US
[72] HEYMANS, JOHN, US
[72] FONTE, NICHOLAS, US
[72] DEVANEY, ROBERT, US
[72] MCGINTY, IAN, US
[72] WEAVER, VINCENT, US
[72] FICHERA, BENJAMIN, US
[71] COLDSNAP, CORP., US
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR CONTROLLING PARASITES ON NON-HUMAN ORGANISMS**
[54] **COMPOSITION PHARMACEUTIQUE POUR LUTTER CONTRE LES PARASITES SUR DES ORGANISMES NON HUMAINS**
[72] FROEHLICH, ANNE, DE
[72] TURBERG, ANDREAS, DE
[72] MENSINGER, SANDRA, DE
[72] GRIZIC, DARIS, DE
[72] GONDOL, DANIEL, DE
[72] BARTON, WILLIAM, US
[71] BAYER ANIMAL HEALTH GMBH, DE
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[30] US (62/967,281) 2020-01-29

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[54] **LIGNIN DERIVATIVE FOR REDUCING DISHWASHER FILM**
[54] **DERIVE DE LIGNINE POUR REDUIRE UN FILM DE LAVE-VAISSELLE**
[72] ELLIS, ROSS JOHANNES, NO
[72] FREDHEIM, GURO ELISE, NO
[71] BORREGAARD AS, NO
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[86] 2021-02-17 (PCT/EP2021/053853)
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[25] EN
[54] **METHOD OF CORRECTING FLOW METER VARIABLE**
[54] **PROCEDE DE CORRECTION DE VARIABLE DE DEBITMETRE**
[72] BUTTLER, MARC ALLAN, US
[71] MICRO MOTION, INC., US
[85] 2022-07-25
[86] 2020-01-31 (PCT/US2020/016181)
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[51] **Int.Cl. A61M 5/14 (2006.01)**
[25] EN
[54] **APPARATUS FOR AND METHOD IN DIRECT DRUG INFUSION USING A LABEL AS A HANGER**
[54] **APPAREIL ET PROCEDE DE PERFUSION DIRECTE DE MEDICAMENT UTILISANT UNE ETIQUETTE EN TANT QUE DISPOSITIF DE SUSPENSION**
[72] ZHENG, KAI, US
[72] POROCK, EDWARD, US
[72] KHURANA, MAHESH, US
[72] WISE, GEOFFREY COLIN, US
[72] PESINO, LORENZO MYLES PAREDES, US
[72] HATCH, MICHELLE, US
[72] YOHE, STEFAN, US
[72] BONDI, RAFFAELLA CLAUDIA, CH
[71] GENENTECH, INC., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2022-07-25
[86] 2021-01-26 (PCT/US2021/015130)
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[54] **ARTICLES AND METHODS FOR BLOOD SEPARATION**
[54] **ARTICLES ET PROCEDES DE SEPARATION DU SANG**
[72] MACE, CHARLES R., US
[72] BAILLARGEON, KEITH, US
[72] BROOKS, JESSICA C., US
[71] TRUSTEES OF TUFTS COLLEGE, US
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[25] EN
[54] **IRON CONTROL AS PART OF A WELL TREATMENT USING TIME-RELEASED AGENTS**
[54] **REGULATION DU FER EN TANT QUE PARTIE D'UN TRAITEMENT DE PUITS A L'AIDE D'AGENTS A LIBERATION PROLONGEE**
[72] CONWAY, ANDREW BRYCE, US
[72] BAILEY, SCOTT, US
[71] FLEX-CHEM HOLDING COMPANY, LLC, US
[85] 2022-07-25
[86] 2021-02-08 (PCT/US2021/017073)
[87] (WO2021/159066)
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[25] EN
[54] **IRON CONTROL AS PART OF A WELL TREATMENT USING TIME-RELEASED AGENTS**
[54] **REGULATION DU FER EN TANT QUE PARTIE D'UN TRAITEMENT DE PUITS A L'AIDE D'AGENTS A LIBERATION PROLONGEE**
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[72] BAILEY, SCOTT, US
[71] FLEX-CHEM HOLDING COMPANY, LLC, US
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[87] (WO2021/159072)
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[51] **Int.Cl. E01F 15/14 (2006.01) E01F 15/06 (2006.01) E04H 17/10 (2006.01)**
[25] EN
[54] **IMPACT DEVICE**
[54] **DISPOSITIF D'IMPACT**
[72] RYDER, EMERSON PATRICK JAMES, NZ
[72] LEWIS, DANIEL CHARLES, NZ
[71] FLETCHER BUILDING HOLDINGS LIMITED, NZ
[85] 2022-07-26
[86] 2021-02-12 (PCT/NZ2021/050016)
[87] (WO2021/162558)
[30] NZ (761715) 2020-02-13

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[51] **Int.Cl. A47J 31/40 (2006.01) B67D 1/00 (2006.01) B67D 1/12 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSER**
[54] **DISTRIBUTEUR DE BOISSON**
[72] HARTNETT, CONAL, AU
[72] DALE, MATTHEW JAMES, AU
[71] FLO-SMART BEVERAGE SOLUTIONS IP PTY LTD, AU
[85] 2022-07-26
[86] 2021-01-29 (PCT/AU2021/050060)
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[51] **Int.Cl. G01B 9/02 (2022.01) G01S 17/89 (2020.01)**
[25] EN
[54] **MULTIMODE INTERFEROMETRIC DEVICE AND METHOD**
[54] **DISPOSITIF INTERFEROMETRIQUE MULTIMODE ET PROCEDE**
[72] BOUDOUX, CAROLINE, CA
[72] POINSINET DE SIVRY, MARTIN, CA
[72] BOLDUC BEAUDOIN, SIMON, CA
[72] GODBOUT, NICOLAS, CA
[71] BOUDOUX, CAROLINE, CA
[71] POINSINET DE SIVRY, MARTIN, CA
[71] BOLDUC BEAUDOIN, SIMON, CA
[71] GODBOUT, NICOLAS, CA
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[87] (WO2021/151194)
[30] US (62/966,279) 2020-01-27

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[25] EN
[54] **NONWOVEN FABRIC SUITABLE AS A CROP COVER**
[54] **NON-TISSE CONVENANT COMME COUVERTURE DE RECOLTE**
[72] RUIZ MORALES, MAURICIO ALONSO, MX
[71] BERRY GLOBAL, INC., US
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[87] (WO2021/154973)
[30] US (62/967,174) 2020-01-29

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[54] **BRAIDED SURGICAL IMPLANTS**
[54] **IMPLANTS CHIRURGICAUX TRESSES**
[72] FRANCIS, MICHAEL P., US
[72] THAYER, NICHOLAS, US
[72] SORI, NARDOS, US
[71] EMBODY, INC., US
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[86] 2021-01-29 (PCT/US2021/015801)
[87] (WO2021/155216)
[30] US (62/968,873) 2020-01-31

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[51] **Int.Cl. A61K 31/4166 (2006.01) A61K 31/417 (2006.01) A61P 19/04 (2006.01) C07D 233/76 (2006.01) C07D 233/78 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **ADAMTS INHIBITORS, PREPARATION METHODS AND MEDICINAL USES THEREOF**
[54] **INHIBITEURS D'ADAMTS, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS MEDICALES**
[72] LIU, DONG, US
[72] ZHAO, PENG, US
[72] LIU, JIAN, US
[72] ZHUANG, LINGHANG, US
[72] ZHANG, FENGQI, US
[72] ZHANG, XINZHU, US
[72] SONG, CHUNYING, US
[72] LIU, SUXING, US
[72] LI, JING, US
[71] JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., CN
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[86] 2021-02-03 (PCT/US2021/016364)
[87] (WO2021/158626)
[30] US (62/969,992) 2020-02-04
[30] US (63/066,148) 2020-08-14

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) C07K 14/705 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **ARTIFICIAL SYNAPSES**
[54] **SYNAPSES ARTIFICIELLES**
[72] PENTECOST, MICKEY, US
[72] BARTKOWSKI, WOJCIECH, US
[71] DIADEM BIOTHERAPEUTICS INC., US
[85] 2022-07-26
[86] 2021-02-05 (PCT/US2021/016949)
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[30] US (62/970,374) 2020-02-05

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[51] **Int.Cl. A63G 21/18 (2006.01)**
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[54] **MULTI-LANE WATER SLIDE FEATURE**
[54] **ELEMENT DE TOBOGGAN AQUATIQUE A VOIES MULTIPLES**
[72] HUNTER, RICHARD D., CA
[71] PROSLIDE TECHNOLOGY INC., CA
[85] 2022-07-26
[86] 2021-02-05 (PCT/CA2021/050133)
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[51] **Int.Cl. C07K 14/745 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS OF TREATING AGE-RELATED AND INFLAMMATORY DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES LIEES A L'AGE ET INFLAMMATOIRES**
[72] WONG, HING C., US
[71] HCW BIOLOGICS, INC., US
[85] 2022-07-26
[86] 2021-02-11 (PCT/US2021/017714)
[87] (WO2021/163369)
[30] US (62/975,141) 2020-02-11

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[51] **Int.Cl. B33Y 10/00 (2015.01) G05B 19/4099 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING ADDITIVE MANUFACTURING SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE SYSTEMES DE FABRICATION ADDITIVE**
[72] HOSSEINI RANKOUHI, SEYYED BEHZAD, US
[72] JAHANI, SALMAN, US
[72] THOMA, DAN, US
[72] PFEFFERKORN, FRANK, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[25] EN
[54] **COMBINED CHIMERIC ANTIGEN RECEPTOR TARGETING CD19 AND CD20 AND APPLICATION THEREOF**
[54] **RECEPTEUR ANTIGENIQUE CHIMERIQUE COMBINE CIBLANT CD19 ET CD20 ET SON UTILISATION**
[72] YAO, YIHONG, CN
[72] LI, YANFENG, CN
[72] WEI, YUTIAN, CN
[72] ZHU, SHIGUI, CN
[72] YAO, XIN, CN
[72] HUANG, JIAQI, CN
[71] CELLULAR BIOMEDICINE GROUP HK LIMITED, CN
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[30] CN (202010188038.1) 2020-03-17
[30] US (16/877,069) 2020-05-18

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[51] **Int.Cl. C21D 6/00 (2006.01) C21D 6/02 (2006.01) C21D 6/04 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN HOT BAND IN HIGH STRENGTH STEEL ALLOYS**
[54] **AMELIORATIONS APPORTEES A UNE BANDE CHAUDE DANS DES ALLIAGES D'ACIER A HAUTE RESISTANCE**
[72] BRANAGAN, DANIEL JAMES, US
[72] JUSTICE, GRANT G., US
[72] CLARK, KURTIS R., US
[72] LARISH, SCOTT T., US
[72] SERGUEEVA, ALLA V., US
[71] UNITED STATES STEEL CORPORATION, US
[85] 2022-07-26
[86] 2021-02-03 (PCT/US2021/070117)
[87] (WO2021/159142)
[30] US (62/969,262) 2020-02-03
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[25] EN
[54] **COMBINED CHIMERIC ANTIGEN RECEPTOR TARGETING CD19 AND CD20 AND APPLICATIONS THEREOF**
[54] **RECEPTEUR D'ANTIGENE CHIMERE COMBINE CIBLANT CD19 ET CD20 ET SES APPLICATIONS**
[72] YAO, YIHONG, CN
[72] HUANG, JIAQI, CN
[72] YAO, XIN, CN
[72] ZHU, SHIGUI, CN
[72] WEI, YUTIAN, CN
[72] LI, YANFENG, CN
[71] CELLULAR BIOMEDICINE GROUP HK LIMITED, CN
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[30] CN (202010188038.1) 2020-03-17
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[30] CN (PCT/CN2020/109645) 2020-08-17
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[51] **Int.Cl. C12N 5/0783 (2010.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 14/745 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHODS OF ACTIVATING REGULATORY T CELLS**
[54] **METHODES D'ACTIVATION DE LYMPHOCYTES T REGULATEURS**
[72] WONG, HING C., US
[72] SHRESTHA, NIRAJ, US
[72] GEORGE, VARGHESE, US
[72] DEE, MICHAEL, US
[71] HCW BIOLOGICS, INC., US
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[86] 2021-02-11 (PCT/US2021/017620)
[87] (WO2021/163298)
[30] US (62/975,141) 2020-02-11
[30] US (62/981,944) 2020-02-26

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[51] **Int.Cl. G16H 20/70 (2018.01) G06N 20/00 (2019.01) A61B 5/145 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **METHOD FOR ESTIMATING MENTAL HEALTH AND PROVIDING SOLUTION FOR MENTAL HEALTH BY LEARNING PSYCHOLOGICAL DATA AND PHYSICAL DATA BASED ON MACHINE LEARNING AND MENTAL HEALTH ESTIMATING DEVICE USING THE SAME**
[54]
[72] SEOK, JEONG HO, KR
[72] JANG, SU A, KR
[72] CHOI, SUN WOO, KR
[72] KIM, TAE JUNG, KR
[72] KIM, CHANG HYUN, KR
[72] AHN, RYUN SUP, KR
[71] MINDSAI CO., LTD., KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, KR
[85] 2022-07-29
[86] 2021-06-16 (PCT/KR2021/007556)
[87] (3169245)
[30] KR (10-2021-0016379) 2021-02-04

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[51] **Int.Cl. G02B 6/132 (2006.01) G02F 1/035 (2006.01) H01L 31/09 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR APPARATUS AND SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING THE SAME**
[54] **APPAREIL A SEMI-CONDUCTEUR ET DISPOSITIF A SEMI-CONDUCTEUR, ET PROCEDE DE PRODUCTION**
[72] SCHALL, DANIEL, DE
[71] GESELLSCHAFT FUR ANGEWANDTE MIKRO- UND OPTOELEKTRONIK MIT BESCHRANKTER HAFTUNG - AMO GMBH, DE
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[54] **DEVICE FOR MOUNTING A TOOLING BOARD IN A FLAT BED DIE-CUTTING, STRIPPING OR BLANKING MACHINE**
[54] **DISPOSITIF DE MONTAGE D'UNE PLAQUE D'OUTILLAGE DANS UNE MACHINE DE DECOUPAGE A PLAT, DE DEMOULAGE OU DE DECOUPAGE**
[72] LIU, SHELLY, CN
[72] JAQUET, BERNARD, CH
[71] BOBST MEX SA, CH
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[54] **IMPROVED PNEUMATIC VALVE SYSTEM AND METHODS OF USING THE SAME**
[54] **SYSTEME DE SOUPAPE PNEUMATIQUE AMELIORE ET SES PROCEDES D'UTILISATION**
[72] QUINTANA, JOHN, US
[71] QUINTANA, JOHN, US
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[54] **APPARATUS AND METHOD FOR CHARGING A LOAD HANDLING DEVICE**
[54] **APPAREIL ET PROCEDE DE CHARGE D'UN DISPOSITIF DE MANIPULATION DE CHARGE**
[72] STADIE, ROBERT, GB
[72] HABBEN, KEITH, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **TOOL INSERT FOR A MACHINE, MACHINE, AND METHOD FOR OPERATING A MACHINE**
[54] **PLAQUETTE POUR OUTIL DESTINEE A UNE MACHINE, MACHINE, ET PROCEDE D'ACTIONNEMENT D'UNE MACHINE**
[72] DE KALBERMATTEN, ALEXANDRE, CH
[72] VOLERY, ALEXANDRE, CH
[71] BOBST MEX SA, CH
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[86] 2021-02-02 (PCT/EP2021/052412)
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[54] **BLOOD PRESSURE MEASUREMENT APPARATUS AND METHODS OF USE THEREOF**
[54] **APPAREIL DE MESURE DE LA PRESSION SANGUINE ET SES PROCEDES D'UTILISATION**
[72] RAJAGOPAL, ADITYA, US
[72] YURK, DOMINIC, US
[72] ABU-MOSTAFA, YASER, US
[72] RAJAGOPAL, ALAINA ANN BRINLEY, US
[72] JIMENEZ, RAYMOND, US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[71] ESPERTO MEDICAL, INC., US
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[54] **SYSTEM AND METHOD FOR PRESSURE MONITORING WITHIN A CATHETER SYSTEM**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE PRESSION DANS UN SYSTEME DE CATHETER**
[72] COOK, CHRISTOPHER A., US
[72] SCHULTHEIS, ERIC, US
[71] BOLT MEDICAL, INC., US
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[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED PNPLA3 LOCUS AND METHODS OF USE**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS PNPLA3 HUMANISE ET PROCEDES D'UTILISATION**
[72] CHENG, XIPING, US
[72] ROJAS, JOSE F., US
[72] SLEEMAN, MARK, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-07-26
[86] 2021-01-27 (PCT/US2021/015192)
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[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DE PLANTES ET LEURS UTILISATIONS**
[72] ARMSTRONG, CHARLES L., US
[72] KOURANOV, ANDREI Y., US
[72] O'BRIEN, BRENT A., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-07-26
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[54] **TWO-PIECE OIL FILTER ASSEMBLY FOR PUMPS**
[54] **ENSEMBLE FILTRE A HUILE EN DEUX PARTIES POUR POMPES**
[72] KOHBERGER, CYNTHIA ANN, US
[72] SALERNO, JOHN CHARLES, US
[72] SULLIVAN, SUSAN ELAINE, US
[72] DEWAELE, KEVIN MICHAEL, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
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[54] **OIL BINDING INGREDIENT FOR AN ANIMAL FEED COMPOSITION**
[54] **INGREDIENT DE LIAISON A L'HUILE POUR COMPOSITION ALIMENTAIRE POUR ANIMAUX**
[72] TUDESJO, CHARLOTTA, SE
[71] AAK AB (PUBL), SE
[85] 2022-07-26
[86] 2021-03-23 (PCT/SE2021/050250)
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[25] EN
[54] **SYSTEM AND METHOD FOR GROWING TRELLISED PLANTS**
[54] **SYSTEME ET PROCEDE DE CROISSANCE DE PLANTES PALISSEES**
[72] EDELSTEIN, ELIEZER ISRAEL SHRAGA, IL
[71] BIOMIMECHANICAL SYSTEMS LTD., IL
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[54] **MODULAR INCUBATION CHAMBER AND METHOD OF VIRUS INACTIVATION**
[54] **CHAMBRE D'INCUBATION MODULAIRE ET PROCEDE D'INACTIVATION DE VIRUS**
[72] COTON, THOMAS, FR
[72] MULDOON, JOSEPH WILLIAM, US
[72] ORMOND, JAMES, US
[71] MERCK PATENT GMBH, DE
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[54] **SET OF PANELS WITH A MECHANICAL LOCKING DEVICE**
[54] **ENSEMBLE DE PANNEAUX DOTES D'UN DISPOSITIF DE VERROUILLAGE MECANIQUE**
[72] DERELOV, PETER, SE
[72] SVENSSON, JOHAN, SE
[71] VALINGE INNOVATION AB, SE
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[51] **Int.Cl. B01D 25/30 (2006.01) B01D 25/12 (2006.01) B01D 25/164 (2006.01) B01D 25/21 (2006.01)**
[25] EN
[54] **AN OUTLET COVER FOR A RECESSED PLATE -TYPE FILTER, A FILTER PLATE, A FILTER PLATE ASSEMBLY AND A RECESSED PLATE -TYPE FILTER**
[54] **COUVERCLE DE SORTIE POUR UN FILTRE DE TYPE A PLAQUE EVIDEE, PLAQUE FILTRANTE, ENSEMBLE PLAQUE FILTRANTE ET FILTRE DE TYPE A PLAQUE EVIDEE**
[72] SUUTARI, TEPPO, FI
[71] METSO OUTOTEC FINLAND OY, FI
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[25] EN
[54] **FLOTATION ARRANGEMENT, PLANT AND METHOD RELATED THERETO**
[54] **AGENCEMENT DE FLOTTATION, INSTALLATION DE FLOTTATION ET PROCEDE ASSOCIE**
[72] SHERRELL, IAN, FI
[72] RINNE, ANTTI, FI
[71] METSO OUTOTEC FINLAND OY, FI
[85] 2022-07-26
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[54] **FORMULATIONS TOPIQUES OPHTALMIQUES A BASE DE XANTHANE AYANT UN REGIME POSOLOGIQUE REDUIT**
[72] MAZZONE, MARIA GRAZIA, IT
[72] CIVIALE, CLAUDINE, IT
[72] SUDANO ROCCARO, ANDREA, IT
[72] SOLFATO, ELENA, IT
[72] ABBATE, ILENIA, IT
[72] CURATOLO, MARIA CRISTINA, IT
[72] DANO ROCCARO, ANDREA, IT
[71] SIFI S.P.A., IT
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[54] **DIAGNOSIS OF CONGENITAL CYTOMEGALOVIRUS INFECTION**
[54] **DIAGNOSTIC D'UNE INFECTION PAR LE CYTOMEGALOVIRUS CONGENITAL**
[72] WOLF, DANA, IL
[71] HADASIT MEDICAL RESEARCH SERVICES AND DEVELOPMENT LTD., IL
[85] 2022-07-26
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[30] US (62/969,176) 2020-02-03

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[25] EN
[54] **PATHOLOGICAL DIAGNOSIS ASSISTING METHOD USING AI, AND ASSISTING DEVICE**
[54] **PROCEDE D'AIDE AU DIAGNOSTIC PATHOLOGIQUE UTILISANT UNE INTELLIGENCE ARTIFICIELLE, ET DISPOSITIF D'AIDE**
[72] YAMAMOTO, NORIKO, JP
[71] JAPANESE FOUNDATION FOR CANCER RESEARCH, JP
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[54] **HEMP PLANT NAMED 'LINDOREA'**
[54] **PLANTE DE CHANVRE DENOMMEE "LINDOREA"**
[72] REEL, KERI, US
[71] CHARLOTTE'S WEB, INC., US
[85] 2022-07-27
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[51] **Int.Cl. A61B 1/015 (2006.01) A61M 1/00 (2006.01) A61M 3/02 (2006.01)**
[25] EN
[54] **FLUID MANAGEMENT SYSTEM AND METHOD FOR CONTROLLING INTRACAVITY PRESSURE**
[54] **SYSTEME DE GESTION DE FLUIDE**
[72] FANNING, LEAH, IE
[72] BYRNE, PAUL, IE
[72] RAUNIYAR, NIRAJ PRASAD, US
[72] GYLLENHAAL, EVAN, US
[72] SHAH, VIVEK, US
[72] KHATTAR, NISHANT, US
[72] SMITH, NOEL, IE
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[51] **Int.Cl. A61N 5/10 (2006.01)**
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[54] **JOINT OPTIMIZATION OF RADIONUCLIDE AND EXTERNAL BEAM RADIOTHERAPY**
[54] **OPTIMISATION CONJOINTE DE RADIOTHERAPIE PAR RADIONUCLEIDE ET PAR FAISCEAU EXTERNE**
[72] OLCOTT, PETER DEMETRI, US
[72] OWENS, MICHAEL KIRK, US
[72] PAL, DEBASHISH, US
[71] REFLEXION MEDICAL, INC., US
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[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
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[54] **COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING HEPATITIS B AND D**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT ET DE PREVENTION DE L'HEPATITE B ET D**
[72] SALLBERG, MATTI, SE
[72] FRELIN, LARS, SE
[71] SVENSKA VACCINFABRIKEN PRODUKTION AB, SE
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[51] **Int.Cl. C09K 8/80 (2006.01)**
[25] EN
[54] **PROPPANT PARTICULATES FORMED FROM FLEXICOKE AND METHODS RELATED THERETO**
[54] **PARTICULES FORMANT AGENT DE SOUTENEMENT OBTENUES A PARTIR DE FLEXICOKE ET PROCEDES ASSOCIES**
[72] GORDON, PETER A., US
[72] SISKIN, MICHAEL, US
[72] DECKMAN, HARRY W., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
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[54] **PROPPANT PARTICULATES FORMED FROM FLUID COKE AND METHODS RELATED THERETO**
[54] **PARTICULES FORMANT AGENT DE SOUTENEMENT FORMEES A PARTIR DE COKE FLUIDE ET PROCEDES ASSOCIES**
[72] GORDON, PETER A., US
[72] SISKIN, MICHAEL, US
[72] DECKMAN, HARRY W., US
[71] EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY, US
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[54] **SOLID ADSORBENT COMPOSITIONS FOR PURIFYING LIQUIDS**
[54] **COMPOSITIONS ADSORBANTES SOLIDES POUR PURIFIER DES LIQUIDES**
[72] MALABA, DENNIS N., US
[72] HICKS, GEORGE E., US
[72] BAGREEV, ANDREY, US
[72] STRYKER, JAMES D., US
[71] THE DALLAS GROUP OF AMERICA, INC., US
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[30] US (62/967,306) 2020-01-29
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[25] EN
[54] **SAFE AND RESILIENT ENERGY DISTRIBUTION SYSTEM FOR A HIGHLY EFFICIENT MICROGRID**
[54] **SYSTEME SUR ET RESILIENT DE DISTRIBUTION D'ENERGIE POUR MINIRESEAU A HAUTE EFFICACITE**
[72] RIXHON, DANIEL, BE
[72] FAGNY, STEPHANE, BE
[72] FINFE, FRANCOIS, BE
[72] BIDAINE, BENOIT, BE
[72] BLEUS, PAUL, BE
[71] CE+T POWER LUXEMBOURG SA, LU
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[87] (WO2021/180638)
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[54] **A COMPOSITION FOR FORMING A BEVERAGE**
[54] **COMPOSITION POUR FORMER UNE BOISSON**
[72] CANTONI, MARIA CIELO, NL
[72] STEENHOF, VINCENT JAN, NL
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
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[25] EN
[54] **TAFOXIPARIN FOR THE TREATMENT OF PREECLAMPSIA**
[54] **TAFOXIPARINE POUR LE TRAITEMENT DE LA PREECLAMPSIE**
[72] DEGLING-WIKINGSSON, LENA, SE
[72] EKMAN-ORDEBERG, GUNVOR, SE
[72] HANSSON, STEFAN, SE
[71] DILAFOR AB, SE
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[86] 2021-02-16 (PCT/EP2021/053733)
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[51] **Int.Cl. A61B 90/00 (2016.01)**
[25] EN
[54] **A PROTECTIVE DEVICE FOR USE DURING SURGERY**
[54] **DISPOSITIF DE PROTECTION DESTINE A ETRE UTILISE PENDANT UNE CHIRURGIE**
[72] GERGES, BASSEM, AU
[72] HEINZ, SEAN JOSEPH, AU
[71] SEABAS ENTERPRISES PTY LTD, AU
[85] 2022-07-27
[86] 2021-02-18 (PCT/AU2021/050135)
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[30] AU (2020900460) 2020-02-18

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[25] EN
[54] **PROTECTIVE GARMENT**
[54] **VETEMENT DE PROTECTION**
[72] MELLOS, HEIDI, AU
[71] HANES INNERWEAR AUSTRALIA PTY LTD, AU
[85] 2022-07-27
[86] 2021-02-26 (PCT/AU2021/050164)
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[54] **LOW-IMPEDANCE ACTUATION DEVICE USING MAGNETORHEOLOGICAL FLUID CLUTCH APPARATUSES**
[54] **DISPOSITIF D'ACTIONNEMENT A FAIBLE IMPEDANCE EMPLOYANT UN APPAREIL D'EMBRAYAGE A FLUIDE MAGNETORHEOLOGIQUE**
[72] PLANTE, JEAN-SEBASTIEN, CA
[72] LUCKING BIGUE, JEAN-PHILIPPE, CA
[72] VERONNEAU, CATHERINE, CA
[72] LAROSE, PASCAL, CA
[71] EXONETIK INC., CA
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[54] **TREATING TREATMENT-RESISTANT DIABETES WITH GLUCOKINASE ACTIVATOR**
[54] **TRAITEMENT DU DIABETE RESISTANT A UN TRAITEMENT AVEC UN ACTIVATEUR DE GLUCOKINASE**
[72] CHEN, LI, CN
[72] REN, SHUANG, CN
[72] ZHANG, JIAYI, CN
[71] HUA MEDICINE (SHANGHAI) LTD., CN
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[54] **AUTOSAMPLERS AND ANALYTIC SYSTEMS AND METHODS INCLUDING SAME**
[54] **SYSTEMES ANALYTIQUES ET ECHANTILLONNEURS AUTOMATIQUES ET PROCEDES LES COMPRENANT**
[72] FERRARA, KEITH, US
[72] JANDO, SZILVESZTER C., US
[71] PERKINELMER HEALTH SCIENCES, INC., US
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[54] **METHOD FOR TREATING NEURODEGENERATIVE DISEASES BY ADMINISTERING BENFOTIAMINE OR DERIVATIVE THEREOF**
[54] **METHODE DE TRAITEMENT DE MALADIES NEURODEGENERATIVES PAR ADMINISTRATION DE BENFOTIAMINE OU D'UN DE SES DERIVES**
[72] GIBSON, GARY, US
[71] CORNELL UNIVERSITY, US
[71] BURKE NEUROLOGICAL INSTITUTE, US
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[54] **ALUMINUM ALLOY ARTICLES EXHIBITING IMPROVED BOND DURABILITY AND METHODS OF MAKING THE SAME**
[54] **ARTICLE EN ALLIAGE D'ALUMINIUM PRESENTANT UNE DURABILITE DE LIAISON AMELIOREE ET PROCEDES DE FABRICATION DE CELUI-CI**
[72] GUERIN, MATHILDE, US
[72] PUIG, ALEJANDRO, US
[72] BECK, EMANUEL, CH
[72] DURUSSEL, ALEXANDRE, US
[72] VARONE, XAVIER, US
[72] SALGADO-ORDORICA, MARIO, CH
[72] SIMON, JOERG, US
[72] FLOREY, GUILLAUME, US
[72] BERNER, MICHELE EDITH, US
[72] BASSI, CORRADO, CH
[72] BEZENCON, CYRILLE, US
[71] NOVELIS INC., US
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[54] **BASIC CHEMOTHERAPEUTIC INTRATUMOUR INJECTION FORMULATION**
[54] **FORMULATION D'INJECTION INTRATUMORALE CHIMIOTHERAPEUTIQUE BASIQUE**
[72] PUI, HING SANG, US
[72] PUI, YIP SHU, US
[72] PUI, YIP CHING, US
[71] US NANO FOOD & DRUG INC, US
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[54] **UNIVERSAL LOAD BEARING CABLE CONNECTOR**
[54] **CONNECTEUR DE CABLE A SUPPORT DE CHARGE UNIVERSEL**
[72] IX, MICHAEL, US
[72] BEESE, AARON, US
[72] SCOTT, ELIJAH LYLE, US
[71] IN-SITU, INC., US
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[54] **HEMP PLANT NAMED 'KIRSCHE'**
[54] **PLANTE DE CHANVRE DENOMMEE "KIRSCHE"**
[72] REEL, KERI, US
[71] CHARLOTTE'S WEB, INC., US
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[54] **IMPROVED TREATMENT OF ATOPIC DERMATITIS WITH TRADIPITANT**
[54] **TRAITEMENT AMELIORE DE DERMATITE ATOPIQUE AU MOYEN DE TRADIPITANT**
[72] POLYMEROPOULOS, MIHAEL H., US
[72] BIRZNIEKS, GUNTHER, US
[72] POLYMEROPOULOS, CHRISTOS, US
[71] VANDA PHARMACEUTICALS INC., US
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[54] **ANTICORPS ET PROTEINES DE FUSION SE LIANT A CCR8, ET LEURS UTILISATIONS**
[72] MCGRATH, LARA LEWIS, US
[72] DEPIS, FABIEN, US
[72] HU, CHANGYUN, US
[72] PRESTA, LEONARD G., US
[72] BUGGE, JOSHUA ADAM, US
[71] JOUNCE THERAPEUTICS, INC., US
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[54] **COMPOSES DE LIAISON A IL-7R.ALPHA.**
[72] DOWER, WILLIAM J., US
[72] NEEDELS, MICHAEL C., US
[72] BARRETT, RONALD W., US
[72] BAKKER, ALICE V., US
[72] CWIRLA, STEVEN E., US
[71] MEDIKINE, INC., US
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[54] **COMBINATIONS OF EGFR INHIBITORS AND ROR1 INHIBITORS FOR THE TREATMENT OF CANCER**
[54] **COMBINAISONS D'INHIBITEURS D'EGFR ET D'INHIBITEURS DE ROR1 POUR LE TRAITEMENT DU CANCER**
[72] KAUFMANN, GUNNAR, US
[71] ONCTERNAL THERAPEUTICS, INC., US
[85] 2022-07-27
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[54] **COMPOSITIONS, SYSTEMS, AND METHODS FOR BASE DIVERSIFICATION**
[54] **COMPOSITIONS, SYSTEMES ET PROCEDES DE DIVERSIFICATION DE BASES**
[72] KIM, YONGJOO, US
[72] HUMMEL, AARON, US
[71] PAIRWISE PLANTS SERVICES, INC., US
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[54] **SYSTEMS AND METHODS FOR HISTOTRIPSY IMMUNOSENSITIZATION**
[54] **SYSTEMES ET PROCEDES D'IMMUNOSENSIBILISATION PAR HISTOTRIPSIE**
[72] XU, ZHEN, US
[72] CHO, CLIFFORD SUHYUN, US
[71] THE REGENTS OF THE UNIVERSTIY OF MICHIGAN, US
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[54] **SYSTEMES ET PROCEDES DE MODIFICATION DE PAGES WEB AU MOYEN DE CONTENU AUXILIAIRE ET CREATION, DISTRIBUTION ET SUIVI DE KARMACREDIT**
[72] KARKARE, KEDAR, US
[72] KHADILKAR, JAYANT, US
[71] IMPACTKARMA INC., US
[85] 2022-07-27
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[54] **CAPTEURS D'ISOCETAL/ISOLEVUGLANDIN E CIBLANT LES MITOCHONDRIES ET LEURS UTILISATIONS**
[72] DIKALOV, SERGEY I., US
[72] AMARNATH, VENKATARAMAN, US
[71] VANDERBILT UNIVERSTIY, US
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[54] **MEAT SUBSTITUTE COMPOSITION**
[54] **COMPOSITION DE SUBSTITUT DE VIANDE**
[72] CHUANG, YU CHUN, JP
[72] JIANG, LI, JP
[72] NAIDU, ARIN, JP
[71] SPIBER INC., JP
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[54] **ANTISENSE OLIGONUCLEOTIDE OF ATN1**
[54] **OLIGONUCLEOTIDE ANTISENS D'ATN1**
[72] HASHIMOTO, SHINJI, JP
[72] GOTO, IZUMI, JP
[72] IRIYAMA, YUSUKE, JP
[71] SANWA KAGAKU KENKYUSHO CO., LTD., JP
[71] NISSAN CHEMICAL CORPORATION, JP
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[54] **MELANGE NON POUSSIEREUX**
[72] POWER, MAURICE, GB
[72] CHOUK, VIKRAM, GB
[71] SI GROUP-SWITZERLAND GMBH, CH
[85] 2022-07-28
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[54] **DEVICE FOR GENERATING ELECTRICITY**
[54] **DISPOSITIF DE PRODUCTION D'ELECTRICITE**
[72] LYFORD, JAMIE, AU
[72] ROSENBERG, VICTOR, AU
[72] COONEN, STEVEN, AU
[71] CLEARVUE TECHNOLOGIES LTD, AU
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[54] **PREHEATING OF POWDER BED**
[54] **PRECHAUFFAGE DE LIT DE POUDRE**
[72] ACKELID, ULF, SE
[71] FREEMELT AB, SE
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[54] **CLEANING COMPOSITION AND LIQUID, USE THEREOF AND KIT**
[54]
[72] SALSALI, HAMID, CA
[71] OXYGEN, INC., CA
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[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE SURVEILLANCE DE REMPLACEMENTS DE LA HANCHE**
[72] HUNTER, WILLIAM L., CA
[71] CANARY MEDICAL INC., CA
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[54] **METHOD OF PRODUCING ABSORBENT STRUCTURES WITH HIGH WET STRENGTH, ABSORBANCY, AND SOFTNESS**
[54] **PROCEDE DE PRODUCTION DE STRUCTURES ABSORBANTES PRESENTANT UNE RESISTANCE A L'ETAT HUMIDE, UNE CAPACITE D'ABSORPTION ET UNE SOUPLESSE ELEVEES**
[72] SEALY, JAMES E., US
[72] MILLER, BYRD TYLER, US
[72] BRENNAN, KEVIN, US
[72] BRADBURY, JAMES E., US
[72] MACDONALD, PHIL, US
[72] ANDRUKH, TARAS Z., US
[71] STRUCTURED I, LLC, US
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[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
[71] KT&G CORPORATION, KR
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[54] **EXTERNAL EAR CANAL PRESSURE REGULATION DEVICE**
[54] **DISPOSITIF DE REGULATION DE PRESSION DANS LE CONDUIT AUDITIF EXTERNE**
[72] GEORGE, DAVID, US
[72] BUCKLER, GEORGE, US
[72] CROWN, TIMOTHY A., US
[72] SULLIVAN, DAVID BRICE, US
[71] NOCIRA, LLC, US
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[54] **INTRODUCTION DEVICE INCLUDING AN ELECTROACTIVE TIP ON A GUIDEWIRE**
[54] **DISPOSITIF D'INTRODUCTION COMPRENANT UNE POINTE ELECTROACTIVE SUR UN FIL-GUIDE**
[72] KIM, DANIEL H, US
[72] SHIN, DONG SUK, US
[72] PALMRE. VILJAR, US
[72] SHIM, YOUNGHEE, US
[72] PATEL, BHAVIK, US
[71] XCATH, INC., US
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[54] **METHOD FOR AND APPARATUS FOR DECODING AN AMBISONICS AUDIO SOUNDFIELD REPRESENTATION FOR AUDIO PLAYBACK USING 2D SETUPS**
[54] **METHODE ET APPAREIL POUR DECODER UNE REPRESENTATION DE CHAMP ACOUSTIQUE AMBIOPHONIQUE POUR LA LECTURE AUDIO A L'AIDE DE CONFIGURATIONS 2D**
[72] KEILER, FLORIAN, DE
[72] BOEHM, JOHANNES, DE
[71] DOLBY INTERNATIONAL AB, NL
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[54] **MODULAR STORAGE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE STOCKAGE MODULAIRES**
[72] LINDBO, LARS SVERKER TURE, GB
[72] CLARKE, PAUL, GB
[72] INGRAM-TEDD, ANDREW JOHN, GB
[71] OCADO INNOVATION LIMITED, GB
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[54] **METHOD AND SYSTEM FOR PRODUCING A FRIED FOOD PRODUCT**
[54] **METHODE ET SYSTEME DE PRODUCTION DE PRODUITS ALIMENTAIRES FRITS**
[72] EICHENLAUB, SEAN, US
[72] FRENCH, JUSTIN, US
[72] KOH, CHRISTOPHER JAMES, US
[72] KOZMAN, AUSTIN, US
[71] FRITO-LAY NORTH AMERICA, INC., US
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[54] **NOZZLE CAP MULTI-BAND ANTENNA ASSEMBLY**
[54] **ENSEMBLE ANTENNE MULTIBANDE POUR CAPUCHON DE BUSE**
[72] ORTIZ, JORGE ISAAC, US
[72] DUNN, DAVID JAMES CARLOS, US
[72] LI, YANLONG, US
[72] FAUNCE, JESSE ALVIN, US
[71] MUELLER INTERNATIONAL, LLC, US
[22] 2016-12-20
[41] 2017-08-17
[62] 3,095,465
[30] US (15/043,057) 2016-02-12

[21] **3,168,447**
[13] A1
[25] EN
[54] **NOZZLE CAP MULTI-BAND ANTENNA ASSEMBLY**
[54] **ENSEMBLE ANTENNE MULTIBANDE POUR CAPUCHON DE BUSE**
[72] ORTIZ, JORGE ISAAC, US
[72] DUNN, DAVID JAMES CARLOS, CA
[72] LI, YANLONG, US
[72] FAUNCE, JESSE ALVIN, US
[71] MUELLER INTERNATIONAL, LLC, US
[22] 2016-12-20
[41] 2017-08-17
[62] 3,095,465
[30] US (15/043,057) 2016-02-12

[21] **3,168,463**
[13] A1
[51] **Int.Cl. G16B 40/00 (2019.01) C12Q 1/6809 (2018.01) G16B 20/00 (2019.01) G16B 25/10 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DISTINGUISHING METHYLATION LEVELS IN COMPLEX BIOLOGICAL SAMPLES**
[54] **PROCEDE PERMETTANT DE DIFFERENCIER DES TAUX DE METHYLATION DANS DES ECHANTILLONS BIOLOGIQUES COMPLEXES**
[72] TOUNG, JONATHAN, US
[72] LIU, LI, US
[72] SHEN, MIN-JUI RICHARD, US
[72] ZHANG, RUOYU, US
[71] ILLUMINA, INC., US
[22] 2016-12-15
[41] 2017-06-22
[62] 3,008,623
[30] US (62/268,961) 2015-12-17
[30] US (62/401,591) 2016-09-29

[21] **3,168,472**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR IN-VIVO, AND NON-INVASIVE MEASUREMENT OF METABOLITE LEVELS**
[54] **METHODE ET SYSTEME DE MESURE IN VIVO ET NON INVASIVE DE NIVEAUX DE METABOLITES**
[72] O'BRIEN, DAVID, CA
[71] 10250929 CANADA INC., CA
[22] 2019-09-13
[41] 2020-03-19
[62] 3,112,592
[30] US (62/731,576) 2018-09-14

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[21] **3,168,499**
[13] A1
[25] EN
[54] **METHOD AND SYSTEM FOR IN-VIVO, AND NON-INVASIVE MEASUREMENT OF METABOLITE LEVELS**
[54] **METHODE ET SYSTEME DE MESURE IN VIVO ET NON INVASIVE DE NIVEAUX DE METABOLITES**
[72] O'BRIEN, DAVID, CA
[71] 10250929 CANADA INC., CA
[22] 2019-09-13
[41] 2020-03-19
[62] 3,112,592
[30] US (62/731,576) 2018-09-14

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[21] **3,168,504**
[13] A1
[51] **Int.Cl. F24C 15/20 (2006.01) F16B 5/00 (2006.01)**
[25] EN
[54] **RANGE HOOD INSTALLATION SYSTEM**
[54] **SYSTEME D'INSTALLATION DE HOTTE ASPIRANTE**
[72] GAUTHIER, BENOIT, CA
[72] SINUR, RICHARD R., US
[72] WELLNITZ, BRIAN R., US
[72] HOUDE, JONATHAN, CA
[72] COSSETTE, REMI, CA
[72] MORIN, YANNICK, CA
[72] KURTH, MARK, US
[72] MULLER, PETER, US
[72] PAYNE, TIMOTHY, US
[72] WYLEN, DAVID, US
[72] ROTE, SCOTT, US
[72] ANTHONY, PHIL, US
[72] EIGER, AARON, US
[71] BROAN-NUTONE LLC, US
[22] 2016-05-19
[41] 2016-11-24
[62] 2,968,444
[30] US (62/163,769) 2015-05-19
[30] US (15/159,571) 2016-05-19

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[21] **3,168,514**
[13] A1
[51] **Int.Cl. G10L 19/022 (2013.01)**
[25] EN
[54] **CROSS PRODUCT ENHANCED SUBBAND BLOCK BASED HARMONIC TRANSPOSITION**
[54] **TRANSPOSITION HARMONIQUE A BASE DE BLOC DE SOUS-BANDE A PRODUIT D'INTERMODULATION AMELIORE**
[72] VILLEMOES, LARS, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-09-05
[41] 2012-03-22
[62] 3,137,515
[30] US (61/383441) 2010-09-16
[30] US (61/419164) 2010-12-02

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[21] **3,168,528**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE**
[54] **DISPOSITIF DE FIXATION DE PROTHESE ORTHOPEDIQUE, DISPOSITIF DE TRAITEMENT THERMIQUE POUR PROTHESE ORTHOPEDIQUE ET PROCEDES D'UTILISATION**
[72] TERMANINI, ZAFER, US
[71] JOINT INNOVATION TECHNOLOGY, LLC, US
[22] 2017-08-11
[41] 2018-02-22
[62] 3,032,825
[30] US (15/239,189) 2016-08-17

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[21] **3,168,564**
[13] A1
[51] **Int.Cl. B26B 21/22 (2006.01) B26B 21/40 (2006.01)**
[25] EN
[54] **SHAVING RAZOR CARTRIDGE AND METHOD OF MANUFACTURE**
[54] **CARTOUCHE POUR RASOIR ET PROCEDE DE FABRICATION**
[72] WASHINGTON, JACK ANTHONY, US
[71] THE GILLETTE COMPANY LLC, US
[22] 2019-03-20
[41] 2019-10-03
[62] 3,090,947
[30] US (62/650,393) 2018-03-30

[21] **3,168,576**
[13] A1
[51] **Int.Cl. G10L 19/005 (2013.01)**
[25] EN
[54] **AUDIO SIGNAL PROCESSING DEVICE, AUDIO SIGNAL PROCESSING METHOD AND AUDIO SIGNAL PROCESSING PROGRAM**
[54]
[72] TSUTSUMI, KIMITAKA, JP
[72] KIKUIRI, KEI, JP
[72] YAMAGUCHI, ATSUSHI, JP
[71] NTT DOCOMO, INC., JP
[22] 2014-10-10
[41] 2015-05-07
[62] 3,081,225
[30] JP (2013-224120) 2013-10-29

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[21] **3,168,578**
[13] A1
[25] EN
[54] **METHODS, APPARATUS AND SYSTEMS FOR THREE DEGREES OF FREEDOM (3DOF+) EXTENSION OF MPEG-H 3D AUDIO**
[54] **PROCEDES, APPAREIL, ET SYSTEMES POUR UNE EXTENSION A TROIS DEGRES DE LIBERTE (3DOF +) D'UN AUDIO 3D MPEG-H**
[72] FERSCH, CHRISTOF, DE
[72] TERENTIV, LEON, DE
[72] FISCHER, DANIEL, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-09
[41] 2019-10-17
[62] 3,091,183
[30] US (62/654,915) 2018-04-09
[30] US (62/695,446) 2018-07-09
[30] US (62/823,159) 2019-03-25

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[21] **3,168,579**
[13] A1
[25] EN
[54] **METHODS, APPARATUS AND SYSTEMS FOR THREE DEGREES OF FREEDOM (3DOF+) EXTENSION OF MPEG-H 3D AUDIO**
[54] **PROCEDES, APPAREIL, ET SYSTEMES POUR UNE EXTENSION A TROIS DEGRES DE LIBERTE (3DOF +) D'UN AUDIO 3D MPEG-H**
[72] FERSCH, CHRISTOF, DE
[72] TERENTIV, LEON, DE
[72] FISCHER, DANIEL, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-09
[41] 2019-10-17
[62] 3,091,183
[30] US (62/654,915) 2018-04-09
[30] US (62/695,446) 2018-07-09
[30] US (62/823,159) 2019-03-25

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[21] **3,168,581**
[13] A1
[25] EN
[54] **STARCH-BASED CLOUDING AGENT FOR POWDERED BEVERAGES**
[54] **AGENT OPACIFIANT A BASE D'AMIDON POUR BOISSONS EN POUDRE**
[72] HIRT, STACEY ANN, US
[72] MCPHERSON, ANDREW E., US
[72] TOPINKA, JOHN B., US
[72] COBOS, MARIA DEL PILAR, US
[71] KRAFT FOODS GROUP BRANDS LLC, US
[22] 2015-12-15
[41] 2016-06-30
[62] 2,969,243
[30] US (14/579,005) 2014-12-22

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[21] **3,168,586**
[13] A1
[25] EN
[54] **GENETIC KNOCKOUTS IN WOOD-LJUNGDAHL MICROORGANISMS**
[54] **BLOQUAGES GENETIQUES CHEZ LES MICRO-ORGANISMES A VOIE DE WOOD-LJUNGDAHL**
[72] DANIELL, JAMES, US
[71] LANZATECH, INC., US
[22] 2018-09-28
[41] 2019-04-04
[62] 3,075,279
[30] US (62/565,000) 2017-09-28

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[21] **3,168,588**
[13] A1
[51] **Int.Cl. B60R 3/02 (2006.01)**
[25] EN
[54] **AUTOMATED RETRACTABLE VEHICLE STEP**
[54] **MARCHEPIED ESCAMOTABLE AUTOMATISE POUR VEHICULE**
[72] SMITH, ANTHONY, US
[71] LUND MOTION PRODUCTS, INC., US
[22] 2014-10-23
[41] 2015-05-07
[62] 3,101,398
[30] US (61/898,674) 2013-11-01
[30] US (14/169,626) 2014-01-31

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[21] **3,168,589**
[13] A1
[25] EN
[54] **DISPLAY SYSTEM WITH ELECTROSTATIC AND RADIO LINKS**
[54] **SYSTEME D'AFFICHAGE COMPORTANT DES LIAISONS ELECTROSTATIQUE ET RADIO**
[72] WESTHUES, JONATHAN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2014-12-19
[41] 2015-07-16
[62] 2,934,912
[30] US (14/150,695) 2014-01-08

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[21] **3,168,591**
[13] A1
[25] EN
[54] **PLASMA KALLIKREIN BINDING PROTEINS**
[54] **PROTEINES LIANT LES KALLICREINES PLASMATIQUES**
[72] SEXTON, DANIEL J., US
[72] VISWANATHAN, MALINI, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[22] 2011-01-06
[41] 2011-07-14
[62] 3,021,759
[30] US (61/292614) 2010-01-06

[21] **3,168,657**
[13] A1
[25] EN
[54] **DATA DRIVEN SPEECH ENABLED SELF-HELP SYSTEMS AND METHODS OF OPERATING THEREOF**
[54] **SYSTEMES D'AUTO-ASSISTANCE ACTIVES PAR LA PAROLE ET DIRIGES PAR LES DONNEES ET PROCEDES DE FONCTIONNEMENT DE CES DERNIERS**
[72] LEV, YONI, US
[72] TAPUHI, TAMIR, US
[72] FAIZAKOF, AVRAHAM, US
[72] LEV-TOV, AMIR, US
[72] KONIG, YOCHAI, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[22] 2016-07-08
[41] 2017-01-19
[62] 3,109,017
[30] US (14/799,369) 2015-07-14

[21] **3,168,664**
[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **DEPLOYABLE AERODYNAMIC SIDE PANEL SYSTEM**
[54] **SYSTEME DE PANNEAU LATERAL AERODYNAMIQUE DEPLOYABLE**
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[71] MAGNA INTERNATIONAL INC., CA
[22] 2015-03-20
[41] 2015-09-24
[62] 3,097,274
[30] US (61/968,482) 2014-03-21

[21] **3,168,669**
[13] A1
[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/40 (2014.01) B32B 7/023 (2019.01) B29C 65/54 (2006.01) B32B 3/16 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **AN IMPROVED POLYMERIC SHEET MATERIAL FOR USE IN MAKING POLYMERIC SECURITY DOCUMENTS SUCH AS BANKNOTES**
[54] **MATERIAU EN FEUILLE POLYMERE AMELIORE DESTINE A ETRE UTILISE DANS LA FABRICATION DE DOCUMENTS DE SECURITE POLYMERES TELS QUE DES BILLETS DE BANQUE**
[72] CAPE, SAMUEL M., US
[72] COTE, PAUL F., US
[72] GOSNELL, JONATHAN D., US
[71] VISUAL PHYSICS, LLC, US
[71] CRANE SECURITY TECHNOLOGIES, INC., US
[22] 2015-07-16
[41] 2016-01-21
[62] 2,955,372
[30] US (62/025,637) 2014-07-17

[21] **3,168,675**
[13] A1
[25] EN
[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
[71] BERKSHIRE GREY OPERATING COMPANY, INC., US
[22] 2017-11-08
[41] 2018-05-17
[62] 3,043,018
[30] US (62/418,973) 2016-11-08

[21] **3,168,739**
[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **HIERARCHICAL ADAPTIVE CLOSED-LOOP FLUID RESUSCITATION AND CARDIOVASCULAR DRUG ADMINISTRATION SYSTEM**
[54] **SYSTEME DE REANIMATION ADAPTATIVE HIERARCHIQUE PAR ADMINISTRATION DE FLUIDE EN BOUCLE FERMEE ET D'ADMINISTRATION DE MEDICAMENT CARDIOVASCULAIRE**
[72] GHOLAMI, BEHNOOD, US
[71] AUTONOMOUS HEALTHCARE, INC., US
[22] 2018-05-11
[41] 2018-11-15
[62] 3,092,786
[30] US (62/505,232) 2017-05-12

[21] **3,168,744**
[13] A1
[51] **Int.Cl. D21H 27/02 (2006.01) B31D 1/04 (2006.01) B31F 1/12 (2006.01) B31F 1/16 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS**
[54] **FEUILLES ABSORBANTES DOUCES, TISSUS STRUCTURANTS POUR LA FABRICATION DE FEUILLES ABSORBANTES DOUCES, ET PROCEDES DE FABRICATION DE FEUILLES ABSORBANTES DOUCES**
[72] SZE, DANIEL HUE MING, US
[72] FAN, XIAOLIN, US
[72] CHOU, HUNG-LIANG, US
[72] ORIARAN, TAIYE PHILIPS, US
[72] ANAND, FARMINDER SINGH, US
[72] BAUMGARTNER, DEAN JOSEPH, US
[72] MILLER, JOSEPH HENRY, US
[71] GPCP IP HOLDINGS LLC, US
[22] 2016-06-08
[41] 2016-12-15
[62] 2,982,683
[30] US (62/172,659) 2015-06-08
[30] US (15/175,949) 2016-06-07

[21] **3,168,877**
[13] A1
[25] EN
[54] **CRYSTALLINE FORMS OF GRAPIPRANT**
[54] **FORMES CRISTALLINES DE GRAPIPRANT**
[72] NEWBOLD, TAMARA, US
[72] SMITH, MELISSA, US
[72] SEEKAMP, CHRIS, US
[72] WENSLOW, ROBERT, US
[72] LU, XIA, CN
[71] ARATANA THERAPEUTICS, INC., US
[22] 2015-03-05
[41] 2015-09-11
[62] 3,105,571
[30] US (61/949,006) 2014-03-06
[30] US (61/996,961) 2014-07-30

[21] **3,168,881**
[13] A1
[51] **Int.Cl. A61K 38/47 (2006.01) A61K 38/46 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **SLOW INTRAVENTRICULAR DELIVERY**
[54] **ADMINISTRATION INTRAVENTRICULAIRE LENTE**
[72] DODGE, JAMES, US
[72] PASSINI, MARCO, US
[72] SHIHABUDDIN, LAMYA, US
[72] CHENG, SENG, US
[71] GENZYME CORPORATION, US
[22] 2007-02-08
[41] 2007-08-23
[62] 2,641,359
[30] US (60/771,451) 2006-02-09

[21] **3,168,888**
[13] A1
[51] **Int.Cl. A61M 5/48 (2006.01) A61M 5/168 (2006.01) A61M 5/44 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEM WITH TEMPERATURE-SENSITIVE CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MEDICAMENTS EQUIPE D'UN DISPOSITIF DE COMMANDE SENSIBLE A LA TEMPERATURE**
[72] GIBSON, SCOTT R., US
[72] LEE, MARK KA LAI, US
[72] BUSBY, DONALD, US
[72] TOY, STEPHANIE, US
[72] KRISHNA, SUHAS, US
[72] TAN-MALECKI, FRANCISCA, US
[72] TAMTORO, FERRY, US
[71] AMGEN INC., US
[22] 2014-10-22
[41] 2015-04-30
[62] 2,926,110
[30] US (61/895,285) 2013-10-24

[21] **3,168,896**
[13] A1
[25] EN
[54] **END-TO-END BEAMFORMING GROUND NETWORKS**
[54] **RESEAUX TERRESTRES DE FORMATION DE FAISCEAUX DE BOUT EN BOUT**
[72] MILLER, MARK, US
[72] BUER, KENNETH, US
[72] CRONIN, CHRISTOPHER, US
[71] VIASAT, INC., US
[22] 2016-04-08
[41] 2016-12-29
[62] 2,981,857
[30] US (62/145,810) 2015-04-10
[30] US (62/145,804) 2015-04-10
[30] US (62/164,456) 2015-05-20
[30] US (62/278,368) 2016-01-13
[30] US (62/298,911) 2016-02-23
[30] US (62/312,342) 2016-03-23
[30] US (62/314,921) 2016-03-29

[21] **3,168,900**
[13] A1
[25] EN
[54] **END-TO-END BEAMFORMING GROUND NETWORKS**
[54] **RESEAUX TERRESTRES DE FORMATION DE FAISCEAUX DE BOUT EN BOUT**
[72] MILLER, MARK, US
[72] BUER, KENNETH, US
[72] CRONIN, CHRISTOPHER, US
[71] VIASAT, INC., US
[22] 2016-04-08
[41] 2016-12-29
[62] 2,981,857
[30] US (62/145,810) 2015-04-10
[30] US (62/145,804) 2015-04-10
[30] US (62/164,456) 2015-05-20
[30] US (62/278,368) 2016-01-13
[30] US (62/298,911) 2016-02-23
[30] US (62/312,342) 2016-03-23
[30] US (62/314,921) 2016-03-29

[21] **3,168,901**
[13] A1
[51] **Int.Cl. G10L 19/00 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION**
[54] **PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE REPRESENTATION DE SONS MULTICANAUX D'ORDRE ELEVE**
[72] KRUEGER, ALEXANDER, DE
[72] KORDON, SVEN, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2014-04-24
[41] 2014-11-06
[62] 3,110,057
[30] EP (13305558.2) 2013-04-29

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,168,906**
[13] A1
[51] **Int.Cl. G10L 19/00 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION**
[54] **PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE REPRESENTATION DE SONS MULTICANAUX D'ORDRE ELEVE**
[72] KORDON, SVEN, DE
[72] KRUEGER, ALEXANDER, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2014-04-24
[41] 2014-11-06
[62] 3,110,057
[30] EP (13305558.2) 2013-04-29

[21] **3,168,916**
[13] A1
[51] **Int.Cl. G10L 19/00 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION**
[54] **PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE REPRESENTATION DE SONS MULTICANAUX D'ORDRE ELEVE**
[72] KRUEGER, ALEXANDER, DE
[72] KORDON, SVEN, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2014-04-24
[41] 2014-11-06
[62] 3,110,057
[30] EP (13305558.2) 2013-04-29

[21] **3,168,921**
[13] A1
[51] **Int.Cl. G10L 19/00 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COMPRESSING AND DECOMPRESSING A HIGHER ORDER AMBISONICS REPRESENTATION**
[54] **PROCEDE ET APPAREIL DE COMPRESSION ET DE DECOMPRESSION D'UNE REPRESENTATION DE SONS MULTICANAUX D'ORDRE ELEVE**
[72] KRUEGER, ALEXANDER, DE
[72] KORDON, SVEN, DE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2014-04-24
[41] 2014-11-06
[62] 3,110,057
[30] EP (13305558.2) 2013-04-29

[21] **3,168,966**
[13] A1
[25] EN
[54] **SYSTEM-WIDE QUERY OPTIMIZATION**
[54] **OPTIMISATION DES REQUETES A L'ECHELLE D'UN SYSTEME**
[72] YU, LIANG GANG, US
[72] SMILEY, JOHN ROBERT, US
[71] AMAZON TECHNOLOGIES, INC., US
[22] 2013-11-27
[41] 2014-06-05
[62] 2,990,130
[30] US (13/691,213) 2012-11-30

[21] **3,169,040**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **SWEEPING BLADE DEVICE AND SWEEPING BLADE ASSEMBLY FOR A VEHICLE**
[54] **DISPOSITIF DE LAME DE BALAYAGE ET ASSEMBLAGE DE LAME DE BALAYAGE POUR UN VEHICULE**
[72] MICHEL, HUGO, CA
[72] NEMETH, ZOLTAN, CA
[71] GESTION PIHM INC., CA
[22] 2021-06-22
[41] 2021-11-22
[62] 3,122,833
[30] US (63/052.509) 2020-07-16

[21] **3,169,078**
[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) C01B 3/02 (2006.01) C01B 3/38 (2006.01)**
[25] EN
[54] **CATALYSTS, RELATED METHODS AND REACTION PRODUCTS**
[54] **CATALYSEURS, PROCEDES ET PRODUITS REACTIONNELS ASSOCIES**
[72] SCHUETZLE, ROBERT, US
[72] SCHUETZLE, DENNIS, US
[71] GREYROCK TECHNOLOGY, LLC, US
[22] 2017-07-26
[41] 2018-02-08
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