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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

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

Preliminary Examination

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

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

* International fees will be reduced by:

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

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

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

Examen préliminaire

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

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

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

8. Lois, règles et règlements sur la propriété intellectuelle

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

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

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of June 4, 2024 contains applications open to public inspection from May 19, 2024 to May 25, 2024.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 4 juin 2024 contient les demandes disponibles au public pour consultation pour la période du 19 mai 2024 au 25 mai 2024.

Canadian Patents Issued

June 4, 2024

Brevets canadiens délivrés

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[54] **INACTIVATION DE GENE ET SUPPRESSION DE L'INACTIVATION DE GENE SIMULTANEMENT DANS LA MEME CELLULE**
[72] WOOD, CRAIG CHRISTOPHER, AU
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[54] **PEPTIDE DERIVATIVES AS ANTIBIOTICS AND USES THEREOF**
[54] **DERIVES DE PEPTIDE COMME ANTIBIOTIQUES ET UTILISATIONS CONNEXES**
[72] VILLAIN-GUILLOT, PHILIPPE, FR
[72] GUALTIERI, MAXIME, FR
[72] RACINE, EMILIE, FR
[73] NOSOPHARM, FR
[85] 2017-03-14
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[51] **Int.Cl. G06Q 10/087 (2023.01) G06Q 30/0601 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FULFILLING E-COMMERCE ORDERS FROM A HIERARCHY OF FULFILMENT CENTRES**
[54] **SYSTEME ET PROCEDE POUR REALISER DES COMMANDES DE COMMERCE ELECTRONIQUE A PARTIR D'UNE HIERARCHIE DE CENTRES DE GESTION DES COMMANDES**
[72] LINDBO, SVERKER, GB
[72] WADDILOVE, JAMES, GB
[72] INGRAM-TEDD, ANDY, GB
[72] STEINER, TIMOTHY DEIGHTON, GB
[72] SHARP, DAVID, GB
[72] INNIS, EVAN, GB
[73] OCADO INNOVATION LIMITED, GB
[85] 2017-04-27
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[25] EN
[54] **BINDING PROTEIN DRUG CONJUGATES COMPRISING ANTHRACYCLINE DERIVATIVES**
[54] **CONJUGUES MEDICAMENTS-PROTEINES DE LIAISON COMPRENANT DES DERIVES D'ANTHRACYCLINE**
[72] GRAWUNDER, ULF, CH
[72] BEERLI, ROGER RENZO, CH
[73] NBE-THERAPEUTICS AG, CH
[85] 2017-06-20
[86] 2015-12-23 (PCT/EP2015/081183)
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[30] US (62/095,820) 2014-12-23

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[25] EN
[54] **MEASURING CLOUD METRICS USING DIVERGING QUASI-OPTICAL RADAR**
[54] **MESURE DES PARAMETRES DE NUAGES AU MOYEN D'UN RADAR QUASI-OPTIQUE DIVERGENT**
[72] RAY, MARK, US
[72] ANDERSON, KAARE JOSEF, US
[72] MILLER, MARK SHERWOOD, US
[73] ROSEMOUNT AEROSPACE INC., US
[86] (2972109)
[87] (2972109)
[22] 2017-06-27
[30] US (15/240,438) 2016-08-18

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[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR PREPARING A COFFEE BEVERAGE**
[54] **APPAREIL, SYSTEME ET METHODE DE PREPARATION D'UN BREUVAGE DE CAFE**
[72] DE GRAAFF, GERBRAND KRISTIAAN, NL
[72] BROUWER, GUSTAAF FRANS, NL
[72] NIEUWLAAT, JOHANNES CORNELIS, NL
[73] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2017-07-11
[86] 2015-11-20 (PCT/NL2015/050812)
[87] (WO2016/080835)
[30] NL (2013840) 2014-11-20
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[54] **5-METHOXYTRYPTOPHAN AND ITS DERIVATIVES AND USES THEREOF**
[54] **5-METHOXYTRYPTOPHANE ET SES DERIVES, ET LEURS UTILISATIONS**
[72] KUO, CHENG-CHIN, TW
[72] WU, KENNETH KUN-YU, TW
[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2017-07-11
[86] 2016-01-13 (PCT/US2016/013131)
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[25] EN
[54] **UNIVERSAL KILLER T-CELL**
[54] **LYMPHOCYTE T CYTOTOXIQUE UNIVERSEL**
[72] WALCHLI, SEBASTIEN, NO
[72] SUSO, ELSE MARIT INDERBERG, NO
[72] GAUDERNACK, GUSTAV, NO
[72] KVALHEIM, GUNNAR, NO
[73] OSLO UNIVERSITETSSYKEHUS HF, NO
[85] 2017-07-14
[86] 2016-01-22 (PCT/EP2016/051344)
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[25] EN
[54] **HEATED PTC ELEMENT WITH PROTECTION CIRCUIT**
[54] **ELEMENT PTC CHAUFFE DOTE D'UN CIRCUIT DE PROTECTION**
[72] SHEARER, JON, US
[73] HAMILTON SUNDSTRAND CORPORATION, US
[86] (2976403)
[87] (2976403)
[22] 2017-08-11
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[25] EN
[54] **TECHNIQUES OF OSCILLATOR CONTROL FOR QUANTUM INFORMATION PROCESSING AND RELATED SYSTEMS AND METHODS**
[54] **TECHNIQUES DE COMMANDE D'OSCILLATEUR POUR UN TRAITEMENT D'INFORMATIONS QUANTIQUES ET SYSTEMES ET PROCEDES ASSOCIES**
[72] HEERES, REINIER, US
[72] VLASTAKIS, BRIAN, US
[72] ALBERT, VICTOR, US
[72] KRASTANOV, STEFAN, US
[72] JIANG, LIANG, US
[72] SCHOELKOPF, ROBERT J., III, US
[73] YALE UNIVERSITY, US
[85] 2017-08-24
[86] 2016-02-26 (PCT/US2016/019769)
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[25] EN
[54] **LED LAMP WITH ENCAPSULATED DRIVER AND SAFETY CIRCUIT**
[54] **LAMPE A DEL AVEC CIRCUITERIE DE SECURITE ET D'ATTAQUE ENCAPSULE**
[72] KNAPP, THOMAS, ALEXANDER, US
[72] KUENZLER, GLENN, HOWARD, US
[72] JANSMA, JON, BENNETT, US
[72] ROBERTS, BRUCE, RICHARD, US
[72] ALLEN, GARY, ROBERT, US
[73] SAVANT TECHNOLOGIES LLC, US
[85] 2017-08-31
[86] 2016-03-14 (PCT/US2016/022367)
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[25] EN
[54] **SELECTIVE AMPLIFICATION OF OVERLAPPING AMPLICONS**
[54] **AMPLIFICATION SELECTIVE D'AMPLICONS CHEVAUCHANTS**
[72] WANG, ZHAOHUI, US
[72] SONG, GANG, US
[73] PILLAR BIOSCIENCES INC., US
[85] 2017-09-05
[86] 2016-03-01 (PCT/US2016/020284)
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[30] US (62/129,360) 2015-03-06

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[25] EN
[54] **SYSTEM AND METHOD FOR POSITIONING VEHICLES OF AN AMUSEMENT PARK ATTRACTION**
[54] **SYSTEME ET PROCEDE POUR POSITIONNER DES VEHICULES D'ATTRACTION DE PARC D'ATTRACTION**
[72] BOYLE, PATRICK DEVIN, US
[72] VANCE, ERIC A., US
[72] COUP, THIERRY, US
[72] MCVEEN, KEITH MICHAEL, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2017-09-21
[86] 2016-03-31 (PCT/US2016/025289)
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[25] EN
[54] **INFEED AND OUTFEED ASSEMBLIES FOR A CONVEYOR**
[54] **ENSEMBLES D'ALIMENTATION ET DE SORTIE POUR UN CONVOYEUR**
[72] DEGROOT, MICHAEL HENDRIK, US
[72] HULSHOF, GERKO, NL
[72] HORTIG, PHILIPP J., US
[72] STEENWYK, MATTHEW A., US
[72] BATCHELDER, JEFF, US
[73] LAITRAM, L.L.C., US
[85] 2017-09-25
[86] 2016-04-21 (PCT/US2016/028571)
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[30] US (62/151,617) 2015-04-23

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[25] EN
[54] **YEAST STRAIN HAVING IMPROVED CAPABILITY FOR FERMENTING XYLOSE IN THE PRESENCE OF ACETIC ACID**
[54] **SOUCHE DE LEVURE PRESENTANT UNE CAPACITE AMELIOREE A FERMENTER LE XYLOSE EN PRESENCE D'ACIDE ACETIQUE**
[72] BAVOUZET, JEAN-MICHEL, FR
[72] DESFOUGERES, THOMAS, FR
[72] PIGNEDE, GEORGES, FR
[72] TECHEL, JENNIFER, BE
[73] LESAFFRE ET COMPAGNIE, FR
[85] 2017-10-11
[86] 2016-04-27 (PCT/FR2016/050987)
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[25] EN
[54] **SPECIFIC PEPTIDE BINDERS TO PROTEINS IDENTIFIED VIA SYSTEMIC DISCOVERY, MATURATION AND EXTENSION PROCESS**
[54] **LIANTS PEPTIDIQUES SPECIFIQUES AUX PROTEINES IDENTIFIES PAR UN PROCESSUS SYSTEMIQUE DE DECOUVERTE, DE MATURATION ET D'EXTENSION**
[72] ALBERT, THOMAS, US
[72] LYAMICHEV, VICTOR, US
[72] PATEL, JIGAR, US
[72] SULLIVAN, ERIC, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-19
[86] 2016-04-18 (PCT/EP2016/058562)
[87] (WO2016/169894)
[30] US (62/150,202) 2015-04-20

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[13] C
[51] **Int.Cl. B60R 19/54 (2006.01) B60R 19/04 (2006.01) B63B 59/00 (2006.01)**
[25] EN
[54] **DEBRIS SHIELD ADAPTABLE FOR USE WITH A VARIETY OF BOATS AND TRAILERS**
[54] **PROTECTEUR CONTRE LES DEBRIS ADAPTABLE POUR UNE UTILISATION SUR UNE VARIETE DE BATEAUX ET DE REMORQUES**
[72] GAGNON, NEIL, CA
[73] GAGNON, NEIL, CA
[86] (2983842)
[87] (2983842)
[22] 2017-10-27
[30] US (62/414,142) 2016-10-28

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[13] C
[51] **Int.Cl. A61K 31/11 (2006.01) A61K 33/30 (2006.01) A61P 9/08 (2006.01) A61P 9/12 (2006.01) A61P 37/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING CINNAMALDEHYDE AND ZINC AND METHODS OF USING SUCH COMPOSITIONS**
[54] **COMPOSITIONS COMPRENANT DU CINNAMALDEHYDE ET DU ZINC ET PROCEDES D'UTILISATION DE CES COMPOSITIONS**
[72] CAMACHO, SUSANA, CH
[72] MICHLIG GONZALEZ, STEPHANIE, CH
[72] ACTIS GORETTA, LUCAS, CH
[72] MEYLAN MERLINI, JENNY, CH
[72] LE COUTRE, JOHANNES, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2017-11-09
[86] 2016-05-24 (PCT/EP2016/061698)
[87] (WO2016/193067)
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[25] EN
[54] **WATER-SOLUBLE PYRAZOLE DERIVATIVES AS CORROSION INHIBITORS**
[54] **DERIVES DE PYRAZOLE SOLUBLES DANS L'EAU UTILISES EN TANT QU'INHIBITEURS DE CORROSION**
[72] HARBINDU, ANAND, IN
[72] SEETHARAMAN, JOTHIBASU, IN
[72] ATKINS, JEFFERY M., US
[72] RANE, DEEPAK, IN
[72] SIVASWAMY, VAIDEESWARAN, IN
[73] ECOLAB USA INC., US
[85] 2017-11-24
[86] 2016-05-27 (PCT/US2016/034635)
[87] (WO2016/191677)
[30] US (62/167,710) 2015-05-28

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[51] **Int.Cl. E21B 41/08 (2006.01) B63B 21/27 (2006.01) E02D 27/12 (2006.01) E21B 33/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ESTABLISHING A MULTI-WELL FOUNDATION COMPRISING AN ALIGNMENT TEMPLATE FOR SUCTION FOUNDATION UNITS**
[54] **SYSTEME ET PROCEDE D'ETABLISSEMENT D'UNE FONDATION A PUITS MULTIPLES COMPRENANT UN GABARIT D'ALIGNEMENT POUR UNITES DE FONDATION D'ASPIRATION**
[72] STRAND, HARALD, NO
[72] MATHIS, WOLFGANG, NO
[73] NEODRILL AS, NO
[85] 2017-12-06
[86] 2016-06-08 (PCT/NO2016/050118)
[87] (WO2016/200271)
[30] NO (20150766) 2015-06-12

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[13] C
[51] **Int.Cl. A61K 36/899 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **USE OF DIETARY FIBRE MATERIAL FOR THE TREATMENT OF THE EFFECTS OF CHRONIC INFLAMMATION AND ASSOCIATED CONDITIONS**
[54] **UTILISATION D'UN MATERIAU DE FIBRE ALIMENTAIRE POUR LE TRAITEMENT DES EFFETS DE L'INFLAMMATION CHRONIQUE ET DES CONDITIONS CONNEXES**
[72] BALL, MALCOLM, AU
[72] TAYLOR, KENT, AU
[73] GRATUK TECHNOLOGIES PTY LTD, AU
[85] 2017-12-08
[86] 2015-06-15 (PCT/AU2015/050330)
[87] (WO2015/188235)
[30] AU (2014902247) 2014-06-13

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[25] EN
[54] **METHOD AND APPARATUS FOR ABLATING AWNS, HAIRS AND APPENDAGES OF SEEDS**
[54] **METHODE ET APPAREIL D'ABLATION DES BARBES, DES POILS ET DES APPENDICES DE SEMENCES**
[72] LING, KING, AU
[72] GUZZOMI, ANDREW LOUIS, AU
[72] ERICKSON, TODD, AU
[72] MERRITT, DAVID, AU
[72] DIXON, KINGSLEY WAYNE, AU
[73] THE UNIVERSITY OF WESTERN AUSTRALIA, AU
[85] 2017-12-11
[86] 2016-06-10 (PCT/AU2016/000202)
[87] (WO2016/197184)
[30] AU (2015902194) 2015-06-10

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[25] EN
[54] **METHODS AND APPARATUS FOR CONDITIONING CELL POPULATIONS FOR CELL THERAPIES**
[54] **PROCEDES ET APPAREIL POUR LE CONDITIONNEMENT DE POPULATIONS DE CELLULES POUR DES THERAPIES CELLULAIRES**
[72] COX, CHARLES S., US
[72] GILL, BRIJESH S., US
[72] AROOM, KEVIN, US
[72] WENZEL, PAMELA, US
[73] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2017-12-19
[86] 2016-06-23 (PCT/US2016/039044)
[87] (WO2016/210150)
[30] US (62/183,273) 2015-06-23

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[13] C
[51] **Int.Cl. H05B 45/20 (2020.01) F21V 15/01 (2006.01)**
[25] EN
[54] **WARM DIMMING FOR AN LED LIGHT SOURCE**
[54] **GRADATION A LUMIERE CHAUDE POUR UNE SOURCE DE LUMIERE A DIODES ELECTROLUMINESCENTES**
[72] ROBERTS, BRUCE RICHARD, US
[72] TAUBERT, TIMOTHY ALAN, US
[73] SAVANT TECHNOLOGIES LLC, US
[85] 2018-01-18
[86] 2016-07-25 (PCT/US2016/043869)
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[30] US (14/809,892) 2015-07-27

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[51] **Int.Cl. A23L 27/30 (2016.01)**
[25] EN
[54] **METHOD FOR PRODUCING SWEETENER COMPOSITIONS AND SWEETENER COMPOSITIONS**
[54] **PROCEDE DE PRODUCTION DE COMPOSITIONS EDULCORANTES ET COMPOSITIONS EDULCORANTES**
[72] BANIEL, AVRAHAM, IL
[72] ZVIELY, MICHAEL, IL
[72] ELIYAHU, SHAY, IL
[72] GELBART, NOA, IL
[72] BANIEL, ERAN, IL
[72] ROMM, RONIT, IL
[72] MAGAL SANTANA, NADINE, IL
[72] TRACHTENBERG, ALEXANDER, IL
[73] INCREDO LTD, IL
[85] 2018-02-26
[86] 2016-08-26 (PCT/IB2016/001284)
[87] (WO2017/037531)
[30] US (62/211,579) 2015-08-28
[30] US (62/236,829) 2015-10-02
[30] US (62/289,107) 2016-01-29

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[13] C
[51] **Int.Cl. H01F 5/00 (2006.01) A01G 7/04 (2006.01) A61N 2/02 (2006.01) H01F 7/20 (2006.01)**
[25] EN
[54] **ROTATING DUAL DOUBLE HELIX CONDUCTORS**
[54] **CONDUCTEURS A DOUBLE HELICE TOURNANTS**
[72] SCHMIDT, DAVID, US
[73] MEDICAL ENERGETICS LTD., IE
[85] 2018-02-28
[86] 2016-08-31 (PCT/EP2016/070558)
[87] (WO2017/037143)
[30] US (62/283,464) 2015-09-01

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[51] **Int.Cl. C07C 219/08 (2006.01) A61K 31/165 (2006.01) A61K 31/222 (2006.01) A61K 31/27 (2006.01) A61K 31/365 (2006.01) A61K 31/485 (2006.01) A61K 31/568 (2006.01) C07C 233/14 (2006.01) C07C 271/24 (2006.01) C07D 307/88 (2006.01) C07D 489/12 (2006.01) C07J 1/00 (2006.01)**
[25] EN
[54] **LYMPH DIRECTING PRODRUGS**
[54] **PROMEDICAMENTS CIBLANT LA LYMPHE**
[72] PORTER, CHRIS, AU
[72] SIMPSON, JAMIE, US
[72] TREVASKIS, NATALIE, AU
[72] QUACH, TIM, AU
[72] HAN, SIFEI, AU
[72] HU, LUOJUAN, AU
[73] MONASH UNIVERSITY, AU
[85] 2018-03-01
[86] 2016-09-08 (PCT/AU2016/050845)
[87] (WO2017/041139)
[30] AU (2015903661) 2015-09-08

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[13] C
[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 47/12 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **DOSAGE FORM COMPOSITIONS COMPRISING AN INHIBITOR OF BRUTON'S TYROSINE KINASE**
[54] **COMPOSITIONS DE FORMES GALENIQUES COMPRENANT UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON**
[72] MAO, CHEN, US
[72] KOU, DAWEN, US
[72] CHIANG, PO-CHANG, US
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-03-07
[86] 2017-02-27 (PCT/EP2017/054435)
[87] (WO2017/148837)
[30] US (62/301,373) 2016-02-29

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[13] C
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE BOISSON**
[72] APONE, DAN, US
[72] KOLLER, IZAAK, US
[72] CUMMER, MICHAEL, US
[72] RIDAY, RICHARD B., US
[72] CROSSLAND, WILLIAM GEORGE, US
[73] STARBUCKS CORPORATION, US
[85] 2018-03-12
[86] 2016-09-12 (PCT/US2016/051345)
[87] (WO2017/048639)
[30] US (62/220,680) 2015-09-18
[30] US (62/327,808) 2016-04-26

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[13] C
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **DEVICE FOR RECORDING VIDEO-ELECTROENCEPHALOGRAMS**
[54] **DISPOSITIF D'ENREGISTREMENT D'ELECTROENCEPHALOGRAMMES VIDEO**
[72] PUTTILLI, COSIMO DAMIANO, IT
[72] PICCIAFUOCO, MAURO, IT
[72] ROMANELLI, PANTALEO, IT
[73] AB MEDICA S.P.A., IT
[85] 2018-03-19
[86] 2016-09-28 (PCT/EP2016/073121)
[87] (WO2017/055354)
[30] IT (102015000056995) 2015-09-30

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[72] CASTELLOTE, MIGUEL A., CA
[73] FILTER GROUP INC., CA
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[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[72] NICKLES, JAMES T., US
[72] SANCHEZ, JAMES S., US
[72] BOCANGEL, WARA C., US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
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[54] **REVETEMENT A BASE DE MELANGE D'HYDROGELS A BASE D'EAU ET PROCEDE D'APPLICATION SUR DES ARTICLES ELASTOMERES**
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[72] CHONG, CHUANG SIM, MY
[72] DANGSEEYUN, NUJALEE, TH
[72] WANNAWONG, PANOR, TH
[73] ALLEGIANCE CORPORATION, US
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[72] GAY, GEOFFREY NORMAN WALTER, GB
[72] GASKELL, MARK, GB
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[72] ROVERS, STEFAN ADRIANUS, BN
[72] VAN AMELSVOORT, JAN, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **PROCEDE MIS EN OEUVRE PAR UN DISPOSITIF ELECTRONIQUE CAPABLE DE COMMUNIQUER AVEC UN LECTEUR AVEC UNE FONCTION D'AUTO-TEST AMELIOREE**
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[54] **PANNEAU BARRIERE DESTINE AU RACCORDEMENT SELECTIF ENTRE UNE CHEMISE ET UN PANTALON**
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[72] SEIGNEUR, IVAN, FR
[72] NOVICK, PHILIPPE, FR
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[72] ROUX, NICOLAS, FR
[72] FOUBERT, PHILIPPE, FR
[72] TOUATI, THIERRY, FR
[72] BOUSQUET, MARC, FR
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[54] **APPARATUS AND METHOD FOR TRACKING CONVEYOR BELTS**
[54] **APPAREIL ET PROCEDE DE SUIVI DE BANDES TRANSPORTEUSES**
[72] DEVRIES, BRETT E., US
[73] FLEXIBLE STEEL LACING COMPANY, US
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[54] **LIGAND DU RECEPTEUR DE L'ADENOSINE A3 POUR LE TRAITEMENT DE L'ACCUMULATION DE GRAISSE ECTOPIQUE**
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[73] CAN-FITE BIOPHARMA LTD., IL
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[72] WOLFF, PETER, DE
[72] TREDER, RALF THOMAS, DE
[72] VAN ROOZENDAAL, ANDREAS MATHEUS ADRIANUS, DE
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[54] **PROCEDE ET AGENCEMENT DE COMMANDE D'UN TRAITEMENT DE COMMINUTION COMPORTANT UN CIRCUIT DE BROYAGE**
[72] KAARTINEN, JANI, FI
[72] RANTALA, ARI, FI
[72] REMES, ANTTI, FI
[72] SUONTAKA, VILLE, FI
[72] MOILANEN, JARI, FI
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[54] **PROCEDE ET DISPOSITIF DE MOULAGE D'UNE PIECE COMPOSITE, PIECE COMPOSITE ET EMBARCATION**
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[73] GECO GROUPE, FR
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[54] **PROCEDE POUR EVITER ET TRAITER LES LESIONS TISSULAIRES HEPATIQUES ET LES TROUBLES LIES A CELLES-CI**
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[73] TALENGEN INTERNATIONAL LIMITED, CN
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[54] **COMPOSES COMME LIPIDES CATIONIQUES ET UTILISATION DANS LES COMPOSITIONS D'ADMINISTRATION D'ACIDE NUCLEIQUE**
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[73] ESSILOR LABORATORIES OF AMERICA, INC., US
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[54] **ELECTRONIC DEVICE INTENDED FOR BEING INSERTED INTO A PIPE, AND METHOD FOR INSTALLING THE DEVICE**
[54] **DISPOSITIF ELECTRONIQUE DESTINE A ETRE INSERE DANS UNE CANALISATION, ET PROCEDE D'INSTALLATION DU DISPOSITIF**
[72] GORINTIN, LOUIS, FR
[72] OUDWAN, MAHER, FR
[72] BIDEAULT, JEAN-MICHEL, FR
[73] ENGIE, FR
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[54] **TELECOMMANDE POUR MOULE A REACTION EXOTHERMIQUE**
[72] ABEDRABOH, MAMOON TAWFIG, US
[72] LEHMANN, TODD CARLTON, US
[73] HUBBELL INCORPORATED, US
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[54] **DISPOSITIF DE RECEPTION, DISPOSITIF DE TRANSMISSION, ET PROCEDE DE TRAITEMENT DE DONNEES**
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[72] IGARASHI, TATSUYA, JP
[72] TAKABAYASHI, KAZUHIKO, JP
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[54] **METHODES ET FORMULATIONS POUR LE TRAITEMENT ET/OU LA PROTECTION CONTRE L'INSUFFISANCE HEPATIQUE AIGUE, ET AUTRES TROUBLES CARACTERISES PAR UNE HEPATOTOXICITE**
[72] NASSTROM, JACQUES, SE
[72] JACOBSSON, SVEN, SE
[72] HENRIKSEN, DENNIS, DK
[72] VAN ALSTINE, JAMES, SE
[73] EGETIS THERAPEUTICS AB, SE
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[54] **PROCEDE D'ETALONNAGE D'UN SYSTEME DE CAPTEURS ACTIFS**
[72] REIMANN, JENS, DE
[72] DORING, BJORN, DE
[72] SCHWERDT, MARCO, DE
[72] RUDOLF, DANIEL, DE
[72] RAAB, SEBASTIAN, DE
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[54] **GOUPILLON**
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[72] CHAN, SUNG YUN, US
[72] TEBBE, MARK GERARD, US
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[72] HATHERILL, MARK A., US
[72] KANG, YONG SUN SIMON, US
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[54] **DEPLOIEMENT DE SERVICES SOUS FORME DE LOGICIELS, APPLIQUE A DES PILOTES D'IMPRIMANTE ET DES PROFILS D'IMPRIMANTE**
[72] TAYLOR, JARRETT DAVID, US
[72] WEDIG, RYAN GEORGE, US
[72] ERCANBRACK, COREY CLINT, US
[72] ANDERSON, DEVIN DERRELL, US
[73] PRINTERLOGIC, INC., US
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[73] ARTHREX, INC., US
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[54] **UTILISATION D'UN REGIME MIMANT LE JEUNE POUR AMELIORER L'EFFICACITE DES ANTIESTROGENES DANS LE TRAITEMENT DU CANCER**
[72] NENCIONI, ALESSIO, IT
[72] BALLESTRERO, ALBERTO, IT
[72] ODETTI, PATRIZIO, IT
[72] MONACELLI, FIAMMETTA, IT
[72] CAFFA, IRENE, IT
[72] LONGO, VALTER, US
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[73] L-NUTRA INC., US
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[54] **FEUILLE A LIBERATION PROLONGEE DE MEDICAMENT POUR TRAITER UNE LESION NERVEUSE**
[72] TANAKA, HIROYUKI, JP
[72] OKADA, KIYOSHI, JP
[72] YOSHIKAWA, HIDEKI, JP
[72] SUZUKI, KOJI, JP
[72] EBARA, MITSUHIRO, JP
[73] NIPPON ZOKI PHARMACEUTICAL CO., LTD., JP
[73] OSAKA UNIVERSITY, JP
[73] NATIONAL INSTITUTE FOR MATERIALS SCIENCE, JP
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[30] JP (2017-008913) 2017-01-20
[30] JP (2017-037270) 2017-02-28

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[54] **INDICATING START AND STOP SYMBOLS OF PDSCH AND PUSCH THROUGH PDCCH**
[54] **INDICATION DE SYMBOLES DE DEPART ET D'ARRET DE PDSCH ET PUSCH A TRAVERS UN PDCCH**
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] LUO, TAO, US
[72] SUBRAMANIAN, SUNDAR, US
[72] SADIQ, BILAL, US
[72] CEZANNE, JUERGEN, US
[72] LI, JUNYI, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-09-04
[86] 2017-03-16 (PCT/US2017/022803)
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[25] EN
[54] **SIDE UNDERRIDE GUARD**
[54] **PROTECTEUR D'ENCASTREMENT LATERAL**
[72] KUNKEL, DAVID P., US
[72] BELCHER, BRIAN C., US
[72] EHRLICH, MARK, US
[72] WYLEZINSKI, ANDRZEJ, US
[73] WABASH NATIONAL, L.P., US
[86] (3017256)
[87] (3017256)
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[30] US (62/557,977) 2017-09-13

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[54] **SYSTEM AND METHOD FOR DETERMINING SPLIT-TIMES IN A RELAY RACE**
[54] **SYSTEME ET PROCEDE POUR DETERMINER DES TEMPS INTERMEDIAIRES DANS UNE COURSE DE RELAIS**
[72] DEANGELIS, DOUGLAS J., US
[72] EVANSEN, EDWARD G., US
[73] ISOLYNX, LLC, US
[85] 2018-09-06
[86] 2017-03-09 (PCT/US2017/021620)
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[25] EN
[54] **COMPOSITION OF HARDENING ACCELERATOR FOR MINERAL BINDERS, AND METHODS THEREOF**
[54] **COMPOSITION D'ACCELERATEUR DE DURCISSEMENT POUR LES LIANTS MINERAUX ET METHODES CONNEXES**
[72] BURGE, CHRISTIAN, CH
[72] MADER, GILBERT, CH
[72] WOMBACHER, FRANZ, CH
[73] SIKA TECHNOLOGY AG, CH
[85] 2018-09-19
[86] 2017-03-21 (PCT/EP2017/056744)
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[25] EN
[54] **COMPOSITION COMPRISING CAMELLIA SINENSIS CELL EXTRACT**
[54] **COMPOSITION COMPRENANT UN EXTRAIT DE CELLULES DE CAMELLIA SINENSIS**
[72] BERRY, MARK JOHN, GB
[72] GUNGABISSOON, RAVINE ANTHONY, GB
[73] UNILEVER GLOBAL IP LIMITED, GB
[85] 2018-09-27
[86] 2017-03-30 (PCT/EP2017/057511)
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[25] EN
[54] **SYNCHRONIZING ANCILLARY DATA TO CONTENT INCLUDING AUDIO**
[54] **SYNCHRONISATION DE DONNEES AUXILIAIRES AVEC UN CONTENU COMPRENANT DES DONNEES AUDIO**
[72] CARROLL, TIMOTHY, US
[72] FRECON, HENRY, III, US
[72] GREENE, PATRICK, US
[72] PHILLIPS, MICHAEL, US
[73] SOURCE DIGITAL, INC., US
[85] 2018-10-04
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[25] EN
[54] **ALIPHATIC ANIONIC COMPOUNDS AND OXIDATIVE COMPOUNDS WITH IMPROVED STABILITY AND EFFICACY FOR USE IN PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSES ANIONIQUES ALIPHATIQUES ET COMPOSES OXYDATIFS A STABILITE ET EFFICACITE AMELIOREES DESTINES AUX COMPOSITIONS PHARMACEUTIQUES**
[72] SHEWALE, JAIPRAKASH G., US
[72] RATCLIFF, JAMES L., US
[72] GARCIA-SMITH, ESMERALDA ANN, US
[72] COOLEY, WILLIAM E., US
[73] MICROPURE, INC., US
[85] 2018-10-09
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[54] **SHEAR WALL PERFORMANCE IMPROVING FASTENER**
[54] **ORGANE DE FIXATION AMELIORANT LES PERFORMANCES D'UNE PAROI DE CONTREVENTEMENT**
[72] SUTT, EDWARD G., JR., US
[73] SIMPSON STRONG-TIE COMPANY, INC., US
[85] 2018-10-15
[86] 2017-04-12 (PCT/US2017/027245)
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[25] EN
[54] **FUSED HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE CONDENSE**
[72] KAWAKITA, YOUICHI, JP
[72] KOJIMA, TAKUTO, JP
[72] NII, NORIYUKI, JP
[72] ITO, YOSHITERU, JP
[72] SAKAUCHI, NOBUKI, JP
[72] BANNO, HIROSHI, JP
[72] LIU, XIN, CN
[72] ONO, KOJI, JP
[72] IMAMURA, KEISUKE, JP
[72] IMAMURA, SHINICHI, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-10-16
[86] 2017-04-27 (PCT/JP2017/016717)
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[25] EN
[54] **TIME DIVISION MULTIPLEXING OF SYNCHRONIZATION CHANNELS**
[54] **MULTIPLEXAGE PAR REPARTITION DANS LE TEMPS DE CANAUX DE SYNCHRONISATION**
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] ABEDINI, NAVID, US
[72] LUO, TAO, US
[72] SUBRAMANIAN, SUNDAR, US
[72] CEZANNE, JUERGEN, US
[72] SAMPATH, ASHWIN, US
[72] GOROKHOV, ALEXEI YURIEVITCH, US
[72] LI, JUNYI, US
[72] SADIQ, BILAL, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-10-16
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[25] EN
[54] **SEALING MODULE FOR CABLES OR PIPES AS WELL AS METHOD AND APPARATUS FOR PROVIDING THE SAME**
[54] **MODULE D'ETANCHEITE POUR CABLES OU TUYAUX AINSI QUE PROCEDE ET APPAREIL PERMETTANT SA PRODUCTION**
[72] CAIOLA, GIULIANO, IT
[72] CAIOLA, GABRIELE, IT
[72] CAIOLA, ADRIANO, IT
[73] CAIOLA FILIERE S.R.L., IT
[85] 2018-10-24
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[87] (WO2017/186883)
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[51] **Int.Cl. C22C 23/02 (2006.01) C25B 11/02 (2021.01) C25B 11/04 (2021.01)**
[25] FR
[54] **MAGNESIUM-BASED ALLOY AND USE OF SAME IN THE PRODUCTION OF ELECTRODES AND THE ELECTROCHEMICAL SYNTHESIS OF STRUVITE**
[54] **ALLIAGE A BASE DE MAGNESIUM ET SON UTILISATION DANS LA FABRICATION D'ELECTRODES ET LA SYNTHESE ELECTROCHIMIQUE DE LA STRUVITE**
[72] BEN SALAH, IHSEN, CA
[72] LAAROUSSI, MOHAMED, CA
[73] E2METRIX INC., CA
[85] 2018-11-01
[86] 2017-05-03 (PCT/CA2017/050537)
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[51] **Int.Cl. B23K 35/30 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **FIELD DISSIMILAR METAL WELDING TECHNOLOGY FOR ENHANCED WEAR RESISTANT HIGH MANGANESE STEEL**
[54] **TECHNOLOGIE DE SOUDAGE DE METAUX DISSEMBLABLES SUR LE TERRAIN POUR ACIER A TENEUR ELEVEE EN MANGANESE RESISTANT A L'USURE PERFECTIONNE**
[72] WASSON, ANDREW J., US
[72] FAIRCHILD, DOUGLAS P., US
[72] JIN, HYUNWOO, US
[72] YUE, XIN, US
[72] HAN, IIWOOK, KR
[72] LEE, SANGCHUL, KR
[72] LEE, BONGKEUN, KR
[72] LEE, JONGSUB, KR
[73] POSCO CO., LTD, KR
[85] 2018-11-01
[86] 2017-05-02 (PCT/US2017/030689)
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[51] **Int.Cl. B23K 35/30 (2006.01) B23K 9/16 (2006.01)**
[25] EN
[54] **FIELD GIRTH WELDING TECHNOLOGY FOR HIGH MANGANESE STEEL SLURRY PIPELINES**
[54] **TECHNOLOGIE DE SOUDAGE D'ENTRETOISES SUR LE TERRAIN POUR CONDUITES DE BOUES D'ACIER A TENEUR ELEVEE EN MANGANESE**
[72] WASSON, ANDREW J., US
[72] ANDERSON, TIMOTHY D., US
[72] FAIRCHILD, DOUGLAS P., US
[72] YUE, XIN, US
[72] JIN, HYUNWOO, US
[72] MA, NING, US
[72] HAN, IIWOOK, KR
[72] LEE, SANGCHUL, KR
[72] LEE, BONGKEUN, KR
[72] LEE, JONGSUB, KR
[73] POSCO CO., LTD, KR
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[25] EN
[54] **AERATING LANCE ASSEMBLY AND AERATION TANK INCORPORATING SAME**
[54] **ENSEMBLE LANCE D'AERATION ET RESERVOIR D'AERATION LE COMPRENANT**
[72] ANDERSON, RAYMOND, AU
[72] ANDERSON, MICHAEL, AU
[73] AEROFLOAT (HOLDINGS) PTY LTD, AU
[85] 2018-11-08
[86] 2017-05-09 (PCT/AU2017/000102)
[87] (WO2017/193156)
[30] AU (2016901714) 2016-05-09

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[51] **Int.Cl. A61K 8/58 (2006.01) A61K 8/31 (2006.01) A61K 8/895 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01) C08G 77/00 (2006.01)**
[25] EN
[54] **PERSONAL CARE COMPOSITION COMPRISING SILICONE ELASTOMER**
[54] **COMPOSITION DE SOINS PERSONNELS COMPRENANT UN ELASTOMERE DE SILICONE**
[72] MENG, SHENG, CN
[72] MURRAY, ANDREW MALCOLM, GB
[72] SONG, WENHUI, CN
[72] YUAN, SU, CN
[72] ZHAO, WEI, CN
[73] UNILEVER GLOBAL IP LIMITED, GB
[85] 2018-11-20
[86] 2017-05-09 (PCT/EP2017/061001)
[87] (WO2017/211525)
[30] CN (PCT/CN2016/085387) 2016-06-10
[30] EP (16179937.4) 2016-07-18

[11] **3,025,130**
[13] C
[51] **Int.Cl. H01F 38/14 (2006.01) H01F 27/36 (2006.01)**
[25] EN
[54] **MANUFACTURING AN ARRANGEMENT FOR TRANSFERRING ENERGY FROM A PRIMARY UNIT CONDUCTOR ARRANGEMENT BY A MAGNETIC OR AN ELECTROMAGNETIC FIELD TO A SECONDARY UNIT CONDUCTOR ARRANGEMENT**
[54] **FABRICATION D'UN AGENCEMENT POUR TRANSFERER DE L'ENERGIE D'UN AGENCEMENT CONDUCTEUR D'UNITE PRIMAIRE PAR UN CHAMP MAGNETIQUE OU ELECTROMAGNETIQUE A UN AGENCEMENT CONDUCTEUR D'UNIT E SECONDAIRE**
[72] PEREZ ROMERO, SERGIO ALEJANDRO, DE
[72] CURRAN, EANNA, DE
[72] GARCIA, FEDERICO, DE
[73] ENRX IPT GMBH, DE
[85] 2018-11-21
[86] 2017-07-03 (PCT/EP2017/066459)
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[51] **Int.Cl. F16B 13/04 (2006.01) B25B 23/00 (2006.01) F16B 13/06 (2006.01) B25B 21/00 (2006.01)**
[25] EN
[54] **LOCKING DRILL BIT TOOL AND STABILIZING SETTING TOOL HEAD SYSTEM**
[54] **SYSTEME D'OUTIL DE TREPAN BLOQUANT ET DE TETE D'OUTIL DE POSITIONNEMENT STABILISANT**
[72] COUSINEAU, ROBERT, CA
[73] COUSINEAU, ROBERT, CA
[86] (3026546)
[87] (3026546)
[22] 2018-12-05
[30] CA (2,987,589) 2017-12-05

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[51] **Int.Cl. H01H 9/02 (2006.01) H01H 9/54 (2006.01) H01H 33/59 (2006.01)**
[25] EN
[54] **HYBRID MCCB EMPLOYING ELECTROMECHANICAL CONTACTS AND POWER ELECTRONIC DEVICES**
[54] **DISJONCTEUR A BOITIER MOULE (MCCB) HYBRIDE METTANT EN OEUVRE DES CONTACTS ELECTROMECANIQUES ET DES DISPOSITIFS ELECTRONIQUES DE PUISSANCE**
[72] ZHOU, XIN, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2018-12-07
[86] 2017-05-05 (PCT/US2017/031228)
[87] (WO2017/213774)
[30] US (62/347,211) 2016-06-08
[30] US (15/409,963) 2017-01-19

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[51] **Int.Cl. H04W 64/00 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR LOCATING DEVICES USING NARROWBAND POSITIONING REFERENCE SIGNALS**
[54] **TECHNIQUES DE LOCALISATION DE DISPOSITIFS UTILISANT DES SIGNAUX DE REFERENCE DE POSITIONNEMENT A BANDE ETROITE**
[72] WANG, RENQIU, US
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[72] RICO ALVARINO, ALBERTO, US
[72] GAAL, PETER, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-12-11
[86] 2017-07-12 (PCT/US2017/041690)
[87] (WO2018/013672)
[30] US (62/363,182) 2016-07-15
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[51] **Int.Cl. C25B 13/07 (2021.01) C25B 1/23 (2021.01) C25B 13/02 (2006.01) H01M 8/1253 (2016.01) H01M 8/126 (2016.01)**
[25] EN
[54] **SOEC SYSTEM WITH HEATING ABILITY**
[54] **SYSTEME D'ELECTROLYSE A OXYDE SOLIDE A CAPACITE DE CHAUFFAGE**
[72] BLENNOW, BENGT PETER GUSTAV, SE
[72] HEIREDAL-CLAUSEN, THOMAS, DK
[72] NORBY, TOBIAS HOLT, DK
[72] KUNGAS, RAINER, DK
[72] RASS-HANSEN, JEPPE, DK
[72] SKAFTE, THEIS LOYE, DK
[73] TOPSOE A/S, DK
[85] 2018-12-14
[86] 2017-06-08 (PCT/EP2017/063960)
[87] (WO2017/216031)
[30] DK (PA 2016 00356) 2016-06-17

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[51] **Int.Cl. B60D 1/64 (2006.01) B60T 17/04 (2006.01)**
[25] EN
[54] **FILTERED GLADHAND CONNECTOR**
[54] **CONNECTEUR DE TETE D'ACCOUPLEMENT FILTRE**
[72] SELL, EDWARD D., US
[73] TRAMEC SLOAN, LLC, US
[86] (3027873)
[87] (3027873)
[22] 2018-12-18
[30] US (15/850,971) 2017-12-21

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[51] **Int.Cl. H04N 21/44 (2011.01) H04N 21/458 (2011.01) H04N 21/462 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACHIEVING AD AVOIDANCE BY SELECTIVELY SWITCHING MEDIA STREAMS**
[54] **SYSTEMES ET PROCEDE D'EVITEMENT DE PUBLICITE PAR LA COMMUTATION SELECTIVE DE FLUX MULTIMEDIA**
[72] WANG, TI-SHIANG, US
[72] THOMAS, WILLIAM L., US
[73] ROVI GUIDES, INC., US
[85] 2018-12-14
[86] 2017-06-21 (PCT/US2017/038432)
[87] (WO2018/005176)
[30] US (15/197,348) 2016-06-29

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[51] **Int.Cl. C05C 11/00 (2006.01)**
[25] EN
[54] **FERTILIZER COMPOSITION COMPRISING A ZEOLITE AND BASIC L-AMINO ACID**
[54] **COMPOSITION D'ENGRAIS COMPRENANT UNE ZEOLITE ET UN ACIDE L-AMINE BASIQUE**
[72] NASHOLM, TORGNY, SE
[72] OHLUND, JONAS, SE
[72] HOLMLUND, MATTIAS, SE
[73] AREVO AB, SE
[85] 2018-12-18
[86] 2017-06-22 (PCT/SE2017/050691)
[87] (WO2017/222464)
[30] SE (1650904-4) 2016-06-23

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[13] C
[51] **Int.Cl. F16K 3/02 (2006.01) F16K 27/04 (2006.01)**
[25] EN
[54] **GATE VALVE WITH VALVE BODY LINER**
[54] **ROBINET-VANNE AVEC REVETEMENT DE CORPS DE VANNE**
[72] JULIEN, GERARD, AU
[73] AUSTRALIAN RUBBER PRODUCTS PTY LTD, AU
[85] 2018-12-20
[86] 2017-04-05 (PCT/AU2017/050295)
[87] (WO2017/173492)
[30] AU (2016901287) 2016-04-07

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[13] C
[51] **Int.Cl. G06F 3/0481 (2022.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR STREAMLINING USER INTERACTION WITH ELECTRONIC CONTENT**
[54] **SYSTEME ET PROCEDE POUR OPTIMISER L'INTERACTION UTILISATEUR AVEC UN CONTENU ELECTRONIQUE**
[72] BEHAR, YVES, US
[72] MORENSTEIN, JOSHUA, US
[72] HIBMACRONAN, CHRISTOPHER, US
[72] EDAHIRO, NAOYA, US
[72] DAY, MATTHEW DAVID, US
[72] HAVOC, ROBERT SANFORD, US
[72] GUYOT, NOAH BRUCE, US
[72] KUO, DANIEL, US
[72] HAYES, JENEA BOSHART, US
[72] TANG, AARON, US
[72] FISCHER, DONALD FRANCIS, US
[72] SCHMIDT, CHRISTIAN MARC, US
[72] STRAUSFELD, LISA, US
[72] FORE, DAVID LIVINGSTONE, US
[72] GALLUCI, MARC, US
[72] SUTTON, ERIC, US
[72] WEBBER, SAMUEL WALLACE, US
[72] MEAHAN, CHRISTINE, US
[72] HENSON, PHILIP, US
[72] CHUANG, JOHN, US
[72] HANEY, BART, US
[72] RAY, LOGAN, US
[72] BAMBACUS, CHRIS, US
[72] BEAULIEU, SERGE, US
[73] LITL, LLC, US
[86] (3028799)
[87] (3028799)
[22] 2009-04-01
[62] 2,720,383
[30] US (61/041,365) 2008-04-01
[30] US (12/170,939) 2008-07-10
[30] US (12/170,951) 2008-07-10

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[13] C
[51] **Int.Cl. A23K 50/40 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/174 (2016.01) A23K 20/22 (2016.01) A61P 1/00 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SMALL CANINES**
[54] **COMPOSITIONS ET PROCEDES POUR PETITS CHIENS**
[72] MIDDLETON, RONDO P., US
[72] GERMAIN, CHRISTINA PETZINGER, US
[72] BELOSHAPKA, ALISON, US
[72] KAPUT, JAMES, CH
[72] HANNAH, STEVEN S., US
[72] LACROIX, SEBASTIEN, CA
[72] SCOTT-BOYER, MARIE PIER, IT
[72] DORDEVIC, NIKOLA, DE
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2018-12-24
[86] 2017-12-12 (PCT/IB2017/057856)
[87] (WO2018/109672)
[30] US (62/434,563) 2016-12-15

[11] **3,029,365**
[13] C
[51] **Int.Cl. H01T 2/02 (2006.01) H01T 1/20 (2006.01)**
[25] FR
[54] **POWER AMPLIFICATION DEVICE**
[54] **DISPOSITIF D'AMPLIFICATION DE PUISSANCE**
[72] DELCHAMBRE, MICHAEL, FR
[72] PECQUOIS, ROMAIN, FR
[72] INNOCENTI, NICOLAS, FR
[72] GENEZ, DAVID, FR
[73] ENE29 S.AR.L., LU
[85] 2018-12-24
[86] 2017-06-23 (PCT/EP2017/065581)
[87] (WO2018/001905)
[30] FR (1656005) 2016-06-28

[11] **3,029,923**
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[51] **Int.Cl. B32B 27/20 (2006.01) C08J 5/18 (2006.01) C08K 3/26 (2006.01)**
[25] EN
[54] **CALCIUM CARBONATE AS CAVITATION AGENT FOR BIAXIALLY ORIENTED POLYPROPYLENE FILMS**
[54] **CARBONATE DE CALCIUM UTILISE COMME AGENT DE CAVITATION POUR FILMS DE POLYPROPYLENE A ORIENTATION BIAXIALE**
[72] BRUNNER, MARTIN, CH
[72] HIRSIGER, CHRISTOPH, CH
[72] BLANCHARD, PIERRE, FR
[72] ROUX, CHRISTOPHE RENE PIERRE, FR
[73] OMYA INTERNATIONAL AG, CH
[85] 2019-01-04
[86] 2017-07-17 (PCT/EP2017/068023)
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[51] **Int.Cl. G06F 7/00 (2006.01)**
[25] EN
[54] **TRAINING ROBOTIC MANIPULATORS**
[54] **MANIPULATEURS ROBOTIQUES D'ENTRAINEMENT**
[72] ODHNER, LAEL, US
[72] JENTOFT, LEIF, US
[72] TENZER, YAROSLAV, US
[72] KECK, MARK, US
[72] HOWE, ROBERT, US
[73] ODHNER, LAEL, US
[73] JENTOFT, LEIF, US
[73] TENZER, YAROSLAV, US
[73] KECK, MARK, US
[73] HOWE, ROBERT, US
[85] 2019-01-02
[86] 2017-07-18 (PCT/US2017/042670)
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[30] US (62/363,446) 2016-07-18

[11] **3,030,494**
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[51] **Int.Cl. B32B 5/02 (2006.01) B32B 3/30 (2006.01) B32B 5/18 (2006.01) B32B 5/20 (2006.01) B32B 5/22 (2006.01) B32B 5/24 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **MULTI-LAYERED SHEET SUITABLE AS FLOOR OR WALL COVERING EXHIBITING A THREE-DIMENSIONAL RELIEF AND A DECORATIVE IMAGE**
[54] **FEUILLE MULTICOUCHE CONVENANT COMME REVETEMENT DE PLANCHER OU DE MUR PRESENTANT UN RELIEF TRIDIMENSIONNEL ET UNE IMAGE DECORATIVE**
[72] FEYS, JONAS GUIDO, BE
[72] LOMBAERT, POL, BE
[72] BEVERNAGE, LEO MARIE RICHARD, BE
[73] BEAULIEU INTERNATIONAL GROUP NV, BE
[85] 2019-01-10
[86] 2017-07-18 (PCT/EP2017/068065)
[87] (WO2018/015357)
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[25] EN
[54] **ADVANCED OXIDATIVE PROCESS FOR MICROBIAL REDUCTION**
[54] **PROCEDE OXYDATIF AVANCE POUR LA REDUCTION MICROBIENNE**
[72] MOYER, PAUL, CA
[72] VANDERVEEN, MARK, CA
[73] HARPC SOLUTIONS INC., CA
[85] 2019-01-11
[86] 2017-07-06 (PCT/CA2017/050818)
[87] (WO2018/195643)
[30] US (62/489,180) 2017-04-24

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[13] C
[51] **Int.Cl. G11C 11/34 (2006.01) G11C 11/4193 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR BIDIRECTIONALLY BASED ELECTRICAL INFORMATION STORAGE, PROCESSING AND COMMUNICATION**
[54] **SYSTEME ET PROCEDE DE STOCKAGE, DE TRAITEMENT ET DE TRANSMISSION DES RENSEIGNEMENTS ELECTRIQUES BIDIRECTIONNELS**
[72] MILLER, MITCHELL B., CA
[73] ATLAS POWER TECHNOLOGIES INC., CA
[86] (3030723)
[87] (3030723)
[22] 2019-01-21

[11] **3,030,997**
[13] C
[51] **Int.Cl. F16P 3/14 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **VEHICLE SAFETY DEVICE HAVING WARNING ZONES**
[54] **DISPOSITIF DE SECURITE POUR VEHICULE COMPRENANT DES ZONES D'AVERTISSEMENT**
[72] LEWANDOWSKI, ANDREAS, DE
[72] WINKLER, RON, DE
[72] KOSTER, VOLKER, DE
[72] GERSTEL, DOMINIK, DE
[73] COMNOVO GMBH, DE
[85] 2019-01-16
[86] 2017-07-14 (PCT/EP2017/067931)
[87] (WO2018/015315)
[30] DE (10 2016 113 312.4) 2016-07-19

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[51] **Int.Cl. E21B 33/03 (2006.01) B01D 53/86 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **WEATHERIZATION SYSTEM FOR A WELLHEAD EMISSION REDUCTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LES INTEMPERIES DESTINE A UN SYSTEME DE REDUCTION D'EMISSIONS D'UNE TETE DE PUITS**
[72] ETTER, THOMAS M., US
[72] MOORE, JON G., SR., US
[72] HANSEN, ALEX, US
[73] ETTER ENGINEERING COMPANY, INC., US
[86] (3031277)
[87] (3031277)
[22] 2019-01-24
[30] US (62/623,109) 2018-01-29
[30] US (16/253,301) 2019-01-22

[11] **3,031,814**
[13] C
[51] **Int.Cl. A23L 2/54 (2006.01) B01D 19/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DEAERATING BEVERAGES**
[54] **SYSTEME ET PROCEDE DE DEGAZAGE DE BOISSONS**
[72] LUCAS, LAWRENCE, US
[73] BEVCORP LLC, US
[85] 2019-01-23
[86] 2017-07-25 (PCT/US2017/043811)
[87] (WO2018/022671)
[30] US (62/366,590) 2016-07-25

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[13] C
[51] **Int.Cl. C07D 217/02 (2006.01) A61K 31/472 (2006.01) C07D 217/24 (2006.01)**
[25] EN
[54] **BETA-AMINO-ISOQUINOLINYL AMIDE COMPOUNDS**
[54] **COMPOSES AMIDES BETA-AMINO-ISOQUINOLEINE**
[72] STURDIVANT, JILL M., US
[72] DELONG, MITCHELL A., US
[72] ROYALTY, SUSAN M., US
[73] AERIE PHARMACEUTICALS, INC., US
[85] 2019-02-06
[86] 2017-03-31 (PCT/US2017/025609)
[87] (WO2018/034702)
[30] US (62/377,219) 2016-08-19

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[51] **Int.Cl. E21B 23/06 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **SETTING TOOLS AND ASSEMBLIES FOR SETTING A DOWNHOLE ISOLATION DEVICE SUCH AS A FRAC PLUG**
[54] **OUTILS ET ENSEMBLES DE REGLAGE POUR LA MISE EN PLACE D'UN DISPOSITIF D'ISOLATION DE FOND DE TROU TEL QU'UN BOUCHON DE FRACTURATION**
[72] MICKEY, CLINT, US
[72] KENDRICK, KENNETH, US
[73] REPEAT PRECISION, LLC, US
[86] (3033698)
[87] (3033698)
[22] 2019-02-13
[30] US (62/743,716) 2018-10-10
[30] US (62/776,503) 2018-12-07

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[51] **Int.Cl. C23C 22/36 (2006.01) C23C 22/44 (2006.01) C23C 22/50 (2006.01) C23C 22/56 (2006.01)**
[25] EN
[54] **USE OF AN ADHESION PROMOTER OBTAINABLE AS THE REACTION PRODUCT OF A DI- OR POLYAMINE WITH .ALPHA.,.BETA.-UNSATURATED CARBOXYLIC ACID DERIVATIVES FOR METAL SURFACE TREATMENT**
[54] **UTILISATION D'UN PROMOTEUR D'ADHESION POUVANT ETRE OBTENU SOUS FORME DE PRODUIT DE REACTION D'UNE DI- OU POLYAMINE AVEC DES DERIVES D'ACIDE CARBOXYLIQUE .ALPHA.,.BETA. INSATURES POUR LE TRAITEMENT DE SURFACE DE METAUX**
[72] MOLLER, THOMAS, DE
[72] WAPNER, KRISTOF, DE
[72] STODT, JURGEN, DE
[72] HENZE, NATASCHA, DE
[72] MURNAGHAN, KEVIN D., DE
[72] POSNER, RALF, DE
[72] BROUWER, JAN-WILLEM, DE
[72] SMITH, THOMAS S., II, US
[72] VONK, DONALD R., US
[73] HENKEL AG & CO. KGAA, DE
[85] 2019-02-22
[86] 2017-08-08 (PCT/EP2017/070018)
[87] (WO2018/036806)
[30] US (62/378,465) 2016-08-23

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[13] C
[51] **Int.Cl. C08B 37/16 (2006.01)**
[25] EN
[54] **CAPPED CYCLODEXTRIN-HYDROPHOBIC MOIETY CONJUGATE, CYCLODEXTRIN SUPRAMOLECULAR POLYMER, AND CYCLODEXTRIN-SIRNA COMPLEX AND METHOD OF SYNTHESIS THEREOF**
[54] **CONJUGUE DE CYCLODEXTRINE COIFFEE-FRAGMENT HYDROPHOBE, POLYMERE SUPRAMOLECULAIRE DE CYCLODEXTRINE ET COMPLEXE CYCLODEXTRINE-ARNSI ET PROCEDE DE SYNTHESE CORRESPONDANT**
[72] SOLLOGOUB, MATTHIEU, FR
[72] CALVEZ, VINCENT, FR
[72] MARCELIN, ANNE-GENEVIEVE, FR
[72] BOUTEILLER, LAURENT, FR
[72] MENAND, MICKAEL, FR
[72] EVENOU, PIERRE, FR
[72] GOTHLAND, ADELIE, FR
[72] COLESNIC, DMITRI, FR
[72] ROSSIGNOL, JULIEN, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[73] SORBONNE UNIVERSITE, FR
[73] UNIVERSITE PARIS CITE, FR
[85] 2019-03-01
[86] 2016-09-05 (PCT/EP2016/070892)
[87] (WO2018/041377)

[11] **3,037,231**
[13] C
[51] **Int.Cl. H04L 9/06 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **CIPHER MESSAGE WITH AUTHENTICATION INSTRUCTION**
[54] **MESSAGE DE CHIFFREMENT AVEC INSTRUCTION D'AUTHENTIFICATION**
[72] GREINER, DAN, US
[72] SLEGEL, TIMOTHY, US
[72] ZOELLIN, CHRISTIAN, DE
[72] JACOBI, CHRISTIAN, US
[72] PAPROTSKI, VOLODYMYR, CA
[72] VISEGRADY, TAMAS, CH
[72] BUENDGEN, REINHARD THEODOR, DE
[72] BRADBURY, JONATHAN, US
[72] PURANIK, ADITYA NITIN, IN
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
[85] 2019-03-18
[86] 2017-10-02 (PCT/EP2017/074971)
[87] (WO2018/069080)
[30] US (15/292,377) 2016-10-13

[11] **3,037,236**
[13] C
[51] **Int.Cl. A47J 37/00 (2006.01) A47J 36/20 (2006.01)**
[25] FR
[54] **COOKING DEVICE SUCH AS A HOT AIR FRYER**
[54] **APPAREIL DE CUISSON DU TYPE FRITEUSE A AIR CHAUD**
[72] CORNU, JEREMY, FR
[72] PRIETO, GUILLAUME, FR
[73] SEB S.A., FR
[86] (3037236)
[87] (3037236)
[22] 2019-03-18
[30] FR (1852456) 2018-03-21

[11] **3,039,139**
[13] C
[51] **Int.Cl. H05H 13/00 (2006.01) G21K 1/14 (2006.01)**
[25] EN
[54] **PARTICLE ACCELERATOR**
[54] **ACCELERATEUR DE PARTICULES**
[72] KUMATA, YUKIO, JP
[72] TSUTSUI, HIROSHI, JP
[73] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2019-04-02
[86] 2017-09-25 (PCT/JP2017/034540)
[87] (WO2018/066403)
[30] JP (2016-198179) 2016-10-06

[11] **3,039,716**
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[51] **Int.Cl. G01N 21/84 (2006.01) H04W 4/00 (2018.01) G06Q 10/30 (2023.01) G06Q 30/0283 (2023.01) G01R 31/00 (2006.01) H04M 1/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR RECYCLING MOBILE PHONES**
[54] **APPAREIL ET PROCEDE PERMETTANT LE RECYCLAGE DE TELEPHONES MOBILES**
[72] BOWLES, MARK, US
[72] LIBRIZZI, MICHAEL, US
[72] VAN ROOYEN, PIETER, US
[72] DUBEN, AHRON, US
[73] ECOATM, LLC, US
[86] (3039716)
[87] (3039716)
[22] 2011-03-13
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[30] US (12/727624) 2010-03-19
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[13] C
[51] **Int.Cl. G06F 9/46 (2006.01)**
[25] EN
[54] **SELECTING THREADS FOR CONCURRENT PROCESSING OF DATA**
[54] **SELECTION DE FILS POUR LE TRAITEMENT CONCURRENT DE DONNEES**
[72] VENKATARAMAN, SUBRAMANIAN CHITTOOR, IN
[72] ALAMURI, SAI KRISHNA SUJITH, IN
[72] REDROWTHU, MURALI KRISHNA, IN
[72] KUMAR, BALENDER, US
[72] SIVARAMAN, SRIVIDYA BHAVANI, US
[73] ORACLE INTERNATIONAL CORPORATION, US
[86] (3043198)
[87] (3043198)
[22] 2019-05-14
[30] US (16/164,166) 2018-10-18

[11] **3,043,291**
[13] C
[51] **Int.Cl. H02G 1/14 (2006.01) B29C 45/73 (2006.01)**
[25] EN
[54] **PROCESS FOR JOINTING CABLES, APPARATUS FOR PERFORMING SUCH A PROCESS AND THERMOPLASTIC JOINT SO MANUFACTURED**
[54] **PROCEDE D'ASSEMBLAGE DE CABLES, APPAREIL DE MISE EN OEUVRE D'UN TEL PROCEDE ET JOINT THERMOPLASTIQUE AINSI FABRIQUE**
[72] POZZATI, GIOVANNI, IT
[72] PELLE, FLORENT ETIENNE PHILIPPE, IT
[72] LORO, FULVIO, IT
[72] DE MARTINO, LUIGI, IT
[72] CONSONNI, ENRICO MARIA, IT
[72] DE RAI, LUCA GIORGIO MARIA, IT
[73] PRYSMIAN S.P.A., IT
[85] 2019-05-08
[86] 2016-11-11 (PCT/IB2016/056795)
[87] (WO2018/087581)

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[13] C
[51] **Int.Cl. H04B 1/707 (2011.01) H04J 13/10 (2011.01)**
[25] EN
[54] **RELIABLE ORTHOGONAL SPREADING CODES IN WIRELESS COMMUNICATIONS**
[54] **CODES D'ETALEMENT ORTHOGONAUX FIABLES DANS DES COMMUNICATIONS SANS FIL**
[72] ROBINSON, MATTHEW BRANDON, US
[72] PALMISANO, ANDREW KEITH, US
[72] ARMS, KREGG ELLIOTT, US
[72] MOORE, AUDREY NICHOLE, US
[73] RAMPART COMMUNICATIONS, INC., US
[85] 2019-05-08
[86] 2017-11-14 (PCT/US2017/061489)
[87] (WO2018/089985)
[30] US (15/351,428) 2016-11-14

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[13] C
[51] **Int.Cl. G06Q 40/10 (2023.01)**
[25] EN
[54] **METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR COLLECTING TAX DATA**
[54] **PROCEDES, SYSTEMES ET PRODUITS PROGRAMMES D'ORDINATEUR POUR COLLECTER DES DONNEES FISCALES**
[72] WANG, GANG, US
[72] HSU, PAUL, US
[72] MCCLUSKEY, KEVIN M., US
[72] BALAZS, ALEX G., US
[72] KRISHNA, VARUN, US
[73] INTUIT INC., US
[85] 2019-05-14
[86] 2017-11-21 (PCT/US2017/062777)
[87] (WO2018/102200)
[30] US (15/363,681) 2016-11-29

[11] **3,044,108**
[13] C
[51] **Int.Cl. A63J 7/00 (2006.01)**
[25] EN
[54] **ANIMATED CHARACTER HEAD SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TETE DE PERSONNAGE ANIME**
[72] VYAS, ANISHA, US
[72] CORRELL, CAITLIN AMANDA, US
[72] MCCRACKEN, SEAN DAVID, US
[72] MCGEHEE, WILLIAM V., US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2019-05-15
[86] 2017-11-28 (PCT/US2017/063513)
[87] (WO2018/102313)
[30] US (62/428,200) 2016-11-30
[30] US (15/486,814) 2017-04-13

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[13] C
[51] **Int.Cl. B28D 1/18 (2006.01) E01C 23/088 (2006.01) E02F 3/18 (2006.01)**
[25] EN
[54] **EQUIPMENT FOR MACHINING SURFACES, IN PARTICULAR SOLID SURFACES, IN PARTICULAR FOR MAKING SOUND STRIPS**
[54] **EQUIPEMENT D'USINAGE DE SURFACES, EN PARTICULIER DE SURFACES SOLIDES, EN PARTICULIER D'USINAGE DE BANDES RUGUEUSES**
[72] RISI, MIRCO, IT
[73] SIMEX ENGINEERING S.R.L., IT
[85] 2019-05-17
[86] 2017-11-24 (PCT/IB2017/057380)
[87] (WO2018/096494)
[30] IT (102016000119002) 2016-11-24

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[13] C
[51] **Int.Cl. H02B 1/36 (2006.01)**
[25] EN
[54] **MOTOR CONTROL CENTER (MCC) UNITS WITH SLIDABLE SHUTTERS**
[54] **UNITES DE CENTRE DE COMMANDE DES MOTEURS (MCC) A OBTURATEURS COULISSANTS**
[72] KROUSHL, DANIEL BOYD, US
[72] BEARD, ALFRED GREGORY, US
[72] YEE, EDGAR, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2019-05-17
[86] 2017-10-23 (PCT/US2017/057795)
[87] (WO2018/093533)
[30] US (15/357,700) 2016-11-21

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[13] C
[51] **Int.Cl. G06Q 10/087 (2023.01) H01H 3/12 (2006.01) H01H 9/16 (2006.01)**
[25] EN
[54] **RESTOCKING HUB WITH INTERCHANGEABLE BUTTONS MAPPED TO ITEM IDENTIFIERS**
[54] **POLE DE REAPPROVISIONNEMENT DOTE DE BOUTONS INTERCHANGEABLES LIES AUX IDENTIFIANTS D'ARTICLE**
[72] WALKER, M. STEVEN, US
[72] SONONE, RANJEET, US
[72] MASUD, FAISAL, US
[73] STAPLES, INC., US
[86] (3044561)
[87] (3044561)
[22] 2019-05-29
[30] US (62/677664) 2018-05-29
[30] US (16/425,363) 2019-05-29

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[13] C
[51] **Int.Cl. H04N 21/236 (2011.01)**
[25] EN
[54] **BROADCAST SIGNAL TRANSMITTING/RECEIVING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'EMISSION/RECEPTION DE SIGNAL DE RADIODIFFUSION**
[72] YANG, SEUNGRYUL, KR
[72] KWAK, MINSUNG, KR
[72] KO, WOOSUK, KR
[73] LG ELECTRONICS INC., KR
[85] 2019-05-30
[86] 2017-07-06 (PCT/KR2017/007217)
[87] (WO2018/101566)
[30] US (62/429,087) 2016-12-02
[30] US (62/435,084) 2016-12-16

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[13] C
[51] **Int.Cl. C07D 487/22 (2006.01) A61K 31/409 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHOTODYNAMIC THERAPEUTIC COMPOUNDS AND PHOTODYNAMIC METHODS OF TREATMENT**
[54] **COMPOSES THERAPEUTIQUES PHOTODYNAMIQUES ET PROCEDES DE TRAITEMENT PHOTODYNAMIQUE**
[72] ZENG, JUN, AU
[72] TANG, XINYU, AU
[72] PALMER, JAMES T., AU
[73] SALT AND LIGHT PHARMACEUTICALS PTY. LTD., AU
[85] 2019-06-03
[86] 2017-12-05 (PCT/AU2017/000257)
[87] (WO2018/102849)
[30] AU (2016905000) 2016-12-05
[30] AU (2017903924) 2017-09-27

[11] **3,045,967**
[13] C
[51] **Int.Cl. G21C 7/02 (2006.01) G21C 7/30 (2006.01)**
[25] EN
[54] **PASSIVE REACTIVITY CONTROL IN A NUCLEAR FISSION REACTOR**
[54] **COMMANDE DE REACTIVITE PASSIVE DANS UN REACTEUR DE FISSION NUCLEAIRE**
[72] CHEATHAM, JESSE R., III, US
[72] GILLELAND, JOHN R., US
[72] MCWHIRTER, JON D., US
[73] TERRAPOWER, LLC, US
[85] 2019-06-03
[86] 2017-05-01 (PCT/US2017/030399)
[87] (WO2018/118107)
[30] US (62/438,323) 2016-12-22

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[51] **Int.Cl. B01D 53/00 (2006.01) B01D 53/047 (2006.01) B01D 53/22 (2006.01) C07C 7/00 (2006.01) C07C 7/12 (2006.01) C07C 7/144 (2006.01)**
[25] EN
[54] **MEMBRANE AND PRESSURE SWING ADSORPTION HYBRID INRU PROCESS**
[54] **PROCEDE D'INRU HYBRIDE A ADSORPTION MODULEE EN PRESSION ET A MEMBRANE**
[72] JI, LEI, US
[72] CURREN, JOSEPH A., US
[72] LOH, JI XIAN, US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2019-06-04
[86] 2017-11-28 (PCT/US2017/063474)
[87] (WO2018/111535)
[30] US (62/434,832) 2016-12-15

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[13] C
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **CROSS-PLATFORM ENCLAVE IDENTITY**
[54] **IDENTITE D'ENCLAVE INTER-PLATES-FORMES**
[72] COSTA, MANUEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-06-07
[86] 2018-01-19 (PCT/US2018/014298)
[87] (WO2018/140290)
[30] US (15/414,421) 2017-01-24

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[25] EN
[54] **SYSTEMS AND METHODS FOR CALENDAR SHARING BY ENTERPRISE WEB APPLICATIONS**
[54] **SYSTEMES ET PROCEDES DE PARTAGE DE CALENDRIER AU MOYEN D'APPLICATIONS WEB D'ENTREPRISE**
[72] KHWAJA, ANIS, US
[72] OLIGINO, DEAN, US
[73] NASDAQ, INC., US
[85] 2019-06-14
[86] 2017-12-15 (PCT/US2017/066572)
[87] (WO2018/112290)
[30] US (62/435,532) 2016-12-16
[30] US (15/842,480) 2017-12-14

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[25] EN
[54] **SHUNT THERMOCOUPLE**
[54] **THERMOCOUPLE DE SHUNT**
[72] MAKINSON, DAVID NELSON, US
[72] GREY, STEVEN, US
[73] ITRON, INC., US
[85] 2019-06-18
[86] 2017-12-19 (PCT/US2017/067292)
[87] (WO2018/118909)
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[51] **Int.Cl. G07B 17/00 (2006.01) B41J 2/175 (2006.01) B41J 3/407 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CONTROLLING THE USE OF A CARTRIDGE UNIT**
[54] **METHODE ET SYSTEME DE CONTROLE DE L'UTILISATION D'UNE CARTOUCHE**
[72] ROSENAU, DIRK, DE
[72] JAUERT, JOACHIM, DE
[72] LUNEBURG, ANDREAS, DE
[72] HEINRICH, CLEMENS, DE
[73] FRANCOTYP-POSTALIA GMBH, DE
[86] (3048321)
[87] (3048321)
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[30] DE (102018115555.7) 2018-06-28

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[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/62 (2013.01)**
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[54] **DATA SEALING WITH A SEALING ENCLAVE**
[54] **CONFINEMENT DE DONNEES AVEC UNE ENCLAVE DE CONFINEMENT**
[72] COSTA, MANUEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-06-25
[86] 2017-12-20 (PCT/US2017/067455)
[87] (WO2018/140164)
[30] US (15/414,492) 2017-01-24

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[51] **Int.Cl. G07D 7/20 (2016.01)**
[25] EN
[54] **EMBEDDED VARIABLE LINE PATTERNS FOR IMAGES**
[54] **MOTIFS DE LIGNES VARIABLES INTEGRES POUR DES IMAGES**
[72] WU, YECHENG, US
[72] JONES, ROBERT L., US
[72] MARTIN, BRIAN K., US
[73] IDEMIA IDENTITY & SECURITY USA LLC, US
[85] 2019-06-27
[86] 2017-12-22 (PCT/US2017/068072)
[87] (WO2018/125774)
[30] US (62/440,888) 2016-12-30

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[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/74 (2013.01) H04L 9/08 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ADDRESSING A TRUSTED EXECUTION ENVIRONMENT USING ENCRYPTION KEY**
[54] **ADRESSAGE D'UN ENVIRONNEMENT D'EXECUTION DE CONFIANCE A L'AIDE D'UNE CLE DE CHIFFREMENT**
[72] NOVAK, MARK F., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-06-28
[86] 2017-12-20 (PCT/US2017/067460)
[87] (WO2018/140169)
[30] US (15/417,060) 2017-01-26

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[25] EN
[54] **FOOD AND BEVERAGE COOLER ASSEMBLY**
[54] **ENSEMBLE DE REFRIGERATION D'ALIMENTS ET DE BOISSONS**
[72] MORINE, ALAN, US
[72] GLANZER, MATTHEW, US
[72] EICHINGER, TODD, US
[72] BLOOR, CORY, US
[72] RAYESKI, JONATHAN, US
[73] OTTER PRODUCTS, LLC, US
[85] 2019-07-03
[86] 2017-12-26 (PCT/US2017/068426)
[87] (WO2018/128872)
[30] US (15/398,468) 2017-01-04
[30] US (15/494,020) 2017-04-21

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[13] C
[51] **Int.Cl. G06F 21/55 (2013.01)**
[25] EN
[54] **CONTINUOUS LEARNING FOR INTRUSION DETECTION**
[54] **APPRENTISSAGE CONTINU POUR DETECTION D'INTRUSION**
[72] LUO, PENGCHENG, US
[72] BRIGGS, REEVES HOPPE, US
[72] AHMAD, NAVEED, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2019-07-03
[86] 2018-01-22 (PCT/US2018/014606)
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[25] EN
[54] **PARTICULATE ADSORBENT MATERIAL AND METHODS OF MAKING THE SAME**
[54] **MATERIAU ABSORBANT PARTICULAIRE ET SES PROCEDES DE FABRICATION**
[72] BYRNE, TIMOTHY M., US
[72] HILTZIK, LAURENCE H., US
[72] LEON GARCIA, MARTA, US
[72] THOMSON, CAMERON, US
[73] INGEVITY SOUTH CAROLINA, LLC, US
[85] 2019-07-11
[86] 2017-07-21 (PCT/US2017/043267)
[87] (WO2018/140081)
[30] US (62/450,480) 2017-01-25

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[51] **Int.Cl. G01N 27/22 (2006.01) G01B 7/06 (2006.01) G01B 11/02 (2006.01) G01N 22/00 (2006.01) G01S 13/88 (2006.01)**
[25] FR
[54] **DETECTOR FOR HIDDEN OBJECTS OR UNAUTHORIZED MATERIALS IN A SHOE**
[54] **DETECTEUR D'OBJETS OU DE MATIERES NON AUTORISEES DISSIMULES DANS UNE CHAUSSURE**
[72] MANNESCHI, ALESSANDRO, IT
[73] MANNESCHI, ALESSANDRO, IT
[86] (3050508)
[87] (3050508)
[22] 2017-04-11
[62] 2,964,406
[30] FR (1653385) 2016-04-15

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[51] **Int.Cl. G01N 22/00 (2006.01) G01B 11/02 (2006.01) G01S 13/88 (2006.01) G01S 17/88 (2006.01)**
[25] FR
[54] **DETECTOR FOR HIDDEN OBJECTS OR UNAUTHORIZED MATERIALS IN A SHOE**
[54] **DETECTEUR D'OBJETS OU DE MATIERES NON AUTORISEES DISSIMULES DANS UNE CHAUSSURE**
[72] MANNESCHI, ALESSANDRO, IT
[73] MANNESCHI, ALESSANDRO, IT
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[87] (3050509)
[22] 2017-04-11
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[51] **Int.Cl. F02M 21/02 (2006.01) F02B 43/10 (2006.01) F02C 3/30 (2006.01) F02D 41/00 (2006.01)**
[25] EN
[54] **METHOD TO INCREASE THE EFFICIENCY OF CONTINUOUS COMBUSTION SYSTEMS**
[54] **METHODE D'AUGMENTATION DE L'EFFICIENCE DES SYSTEMES DE COMBUSTION EN CONTINU**
[72] QUINTAO DUARTE SILVA, FRANCISCO DIOGO, PT
[72] DE MENESES MOUTINHO E HENRIQUES GONCALO, PAULO EDUARDO, PT
[72] MOURA BORDADO, JOAO CARLOS, PT
[73] UTIS - ULTIMATE TECHNOLOGY TO INDUSTRIAL SAVINGS, LDA, PT
[85] 2019-07-29
[86] 2017-02-07 (PCT/IB2017/050652)
[87] (WO2018/142191)
[30] PT (109894) 2017-02-03

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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **PROADM AS MARKER INDICATING AN ADVERSE EVENT**
[54] **PROADM EN TANT QUE MARQUEUR INDIQUANT UN EVENEMENT INDESIRABLE**
[72] WILSON, DARIUS CAMERON, DE
[72] BERMEJO, JESUS, ES
[72] ANDALUZ, DAVID, ES
[72] CALVO, DOLORES, ES
[73] B.R.A.H.M.S GMBH, DE
[85] 2019-08-01
[86] 2018-02-01 (PCT/EP2018/052499)
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[51] **Int.Cl. H02J 5/00 (2016.01)**
[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR POWER EXTRACTION**
[54] **APPAREIL, SYSTEME ET PROCEDE D'EXTRACTION D'ENERGIE**
[72] VALTYSSON, OSKAR H., IS
[73] LAKI POWER EHF., IS
[85] 2019-08-08
[86] 2017-02-13 (PCT/IS2017/050003)
[87] (WO2017/138026)
[30] IS (050143) 2016-02-12

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[51] **Int.Cl. H04L 1/1607 (2023.01) H04W 72/231 (2023.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING FEEDBACK INFORMATION, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS EN RETOUR, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] LIN, YANAN, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[86] 2017-02-24 (PCT/CN2017/074832)
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[25] EN
[54] **METHOD OF PREPARING A SIZING BOOST ADDITIVE**
[54] **PROCEDE DE PREPARATION D'UN ADDITIF DE RENFORT D'ENCOLLAGE**
[72] BERGMARK, ANETTE, SE
[72] LINDBERG, BIRGITTA, SE
[73] SCA FOREST PRODUCTS AB, SE
[85] 2019-08-30
[86] 2017-03-15 (PCT/SE2017/050250)
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[51] **Int.Cl. H01Q 3/36 (2006.01)**
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[54] **ADAPTIVE PHASED ARRAY ANTENNA ARCHITECTURE**
[54] **ARCHITECTURE D'ANTENNE RESEAU A COMMANDE DE PHASE ADAPTATIVE**
[72] FEREIDANI, KAVEH, CA
[72] SAFAVI-NAEINI, SAFIEDDIN, CA
[73] FEREIDANI, KAVEH, CA
[73] SAFAVI-NAEINI, SAFIEDDIN, CA
[85] 2019-09-03
[86] 2017-03-06 (PCT/CA2017/050302)
[87] (WO2017/152276)
[30] US (62/389,632) 2016-03-04
[30] US (62/495,666) 2016-09-21

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[13] C
[51] **Int.Cl. A61B 10/02 (2006.01) A61B 46/10 (2016.01)**
[25] EN
[54] **BIOPSY DEVICE WITH STERILE SLEEVE**
[54] **DISPOSITIF DE BIOPSIE AVEC MANCHON STERILE**
[72] ROBINSON, ANDREW, US
[72] NOCK, ANDREW PAUL, US
[72] RHAD, EDWARD A., US
[73] DEVICOR MEDICAL PRODUCTS, INC., US
[85] 2019-09-10
[86] 2018-05-11 (PCT/US2018/032390)
[87] (WO2018/209280)
[30] US (62/505,571) 2017-05-12

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[13] C
[51] **Int.Cl. G01F 23/00 (2022.01)**
[25] EN
[54] **APPARATUS FOR SUPPORTING SENSOR ABOVE OPEN TOP OF CONTAINMENT STRUCTURE TO MONITOR LOADING OF PARTICULATE MATERIAL INTO SAME**
[54] **APPAREIL POUR SUSPENDRE UN CAPTEUR AU-DESSOUS D'UN DESSUS OUVERT D'UNE STRUCTURE DE CONFINEMENT POUR SURVEILLER LE CHARGEMENT D'UN MATERIAU PARTICULAIRE DANS LADITE STRUCTURE**
[72] WOHLGEMUTH, ROLAND, CA
[73] WOHLGEMUTH, ROLAND, CA
[86] (3057659)
[87] (3057659)
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[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HIERARCHICAL CRYPTOGRAPHIC KEY MANAGEMENT**
[54] **PROCEDE ET SYSTEME DE GESTION DE CLE CRYPTOGRAPHIQUE HIERARCHIQUE**
[72] PFANNENSCHMIDT, LARS, US
[72] ULLRICH, TOBIAS, US
[72] WISNIEWSKI, FRANK, US
[73] INTUIT INC., US
[85] 2019-09-24
[86] 2018-03-28 (PCT/US2018/024886)
[87] (WO2018/183532)
[30] US (15/473,310) 2017-03-29

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[13] C
[51] **Int.Cl. G01V 3/02 (2006.01) G01N 27/04 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A REPRESENTATIVE PARAMETER OF A POROUS SAMPLE AND RELATED ASSEMBLY**
[54] **PROCEDE DE DETERMINATION D'UN PARAMETRE REPRESENTATIF D'UN ECHANTILLON POREUX ET ENSEMBLE ASSOCIE**
[72] FAURISSOUX, PIERRE, FR
[72] NICOT, BENJAMIN, FR
[72] PUJOL, GHISLAIN, FR
[72] COLOMBAIN, ALISON, FR
[73] TOTAL SA, FR
[85] 2019-10-04
[86] 2017-04-21 (PCT/IB2017/000607)
[87] (WO2018/193282)

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[51] **Int.Cl. G06F 3/00 (2006.01) G06F 3/14 (2006.01) G06F 17/00 (2019.01) H04B 1/38 (2015.01) H04M 1/00 (2006.01)**
[25] EN
[54] **ORDERING CATEGORIES IN AN ELECTRONIC USER INTERFACE MENU BASED ON USER INTERACTION FREQUENCY**
[54] **CLASSEMENT DE CATEGORIES DANS UN MENU D'INTERFACE UTILISATEUR ELECTRONIQUE EN FONCTION DE LA FREQUENCE D'INTERACTION D'UTILISATEURS**
[72] KUMAR, TOSHIVV C., US
[73] HOME DEPOT INTERNATIONAL, INC., US
[85] 2019-10-04
[86] 2018-04-03 (PCT/US2018/025800)
[87] (WO2018/191064)
[30] US (15/487,679) 2017-04-14

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[13] C
[51] **Int.Cl. C04B 24/12 (2006.01) C04B 24/00 (2006.01) C04B 26/26 (2006.01) C08L 95/00 (2006.01)**
[25] EN
[54] **WARM MIX ASPHALT COMPOSITIONS AS A PAVEMENT SURFACE TREATMENT**
[54] **COMPOSITIONS D'ASPHALTE ENROBE A CHAUD, EN TANT QUE TRAITEMENT DE SURFACE DE CHAUSSEE**
[72] GUTIERREZ MUNIZ, ALVARO, MX
[72] TERAN OROZCO, RAUL, MX
[72] RAMIREZ SOTO, LUIS ENRIQUE, MX
[72] ORTIZ CARDENAS, LUIS FELIPE, MX
[73] QUIMIKAO, S.A. DE C.V., MX
[85] 2019-10-09
[86] 2017-04-12 (PCT/IB2017/052102)
[87] (WO2018/189570)

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[13] C
[51] **Int.Cl. C07D 209/08 (2006.01) A61K 31/403 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **SUBSTITUTED INDOLINE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS**
[54] **DERIVES D'INDOLINE SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE REPLICATION DU VIRUS DE LA DENGUE**
[72] BONFANTI, JEAN-FRANCOIS, FR
[72] KESTELEYN, BART RUDOLF ROMANIE, BE
[72] BARDIOT, DOROTHEE ALICE MARIE-EVE, BE
[72] MARCHAND, ARNAUD DIDIER M., BE
[72] COESEMANS, ERWIN, BE
[72] FORTIN, JEROME MICHEL CLAUDE, FR
[72] MERCEY, GUILLAUME JEAN MAURICE, FR
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[73] JANSSEN PHARMACEUTICALS, INC., US
[73] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[85] 2019-10-21
[86] 2018-05-18 (PCT/EP2018/063028)
[87] (WO2018/215315)
[30] EP (17172237.4) 2017-05-22

[11] **3,061,174**
[13] C
[51] **Int.Cl. A61K 49/12 (2006.01) A61K 9/127 (2006.01) A61K 49/18 (2006.01) C08G 65/335 (2006.01)**
[25] EN
[54] **TARGETING NANOPARTICLES**
[54] **CIBLAGE DE NANOPARTICULES**
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[72] VANDERSLICE, PETER, US
[72] MARKET, ROBERT, US
[72] BIEDIGER, RONALD, US
[72] DIXON, RICHARD, US
[72] WILLERSON, JAMES T., US
[72] ANNAPRAGADA, ANANTH, US
[72] TANIFUM, ERIC, US
[73] TEXAS CHILDREN'S HOSPITAL, US
[73] TEXAS HEART INSTITUTE, US
[85] 2019-10-22
[86] 2018-04-27 (PCT/US2018/029991)
[87] (WO2018/201069)
[30] US (62/491,349) 2017-04-28

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[51] **Int.Cl. A42B 1/012 (2021.01) A41H 43/00 (2006.01) A42B 1/04 (2021.01) A42C 1/00 (2006.01)**
[25] EN
[54] **SURGICAL CAP AND METHOD**
[54] **CAPUCHON CHIRURGICAL ET METHODE**
[72] GENENDER, ALAN, US
[72] ZUNDEL, HANNAH, US
[73] MEDLINE INDUSTRIES, INC., US
[86] (3061247)
[87] (3061247)
[22] 2017-06-28
[62] 2,972,116
[30] US (15/204,742) 2016-07-07

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[13] C
[51] **Int.Cl. C08B 3/00 (2006.01) C08B 5/00 (2006.01) C08B 5/14 (2006.01)**
[25] EN
[54] **CELLULOSE DERIVATIVES**
[54] **DERIVES DE CELLULOSE**
[72] PAHIMANOLIS, NIKOLAOS, FI
[73] BETULIUM OY, FI
[85] 2019-11-01
[86] 2018-05-04 (PCT/FI2018/050328)
[87] (WO2018/202955)
[30] FI (20175394) 2017-05-05

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[13] C
[51] **Int.Cl. C07D 303/38 (2006.01) C07C 49/24 (2006.01) C07C 59/42 (2006.01) C07D 303/42 (2006.01)**
[25] EN
[54] **FATTY ACID DERIVATIVES AND THEIR USE**
[54] **DERIVES D'ACIDES GRAS ET UTILISATION ASSOCIEE**
[72] KEYES, GREGORY, US
[72] RAMSDEN, CHRISTOPHER, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2019-11-18
[86] 2018-07-06 (PCT/US2018/041086)
[87] (WO2019/010414)
[30] US (62/529,846) 2017-07-07

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[13] C
[51] **Int.Cl. G07F 17/12 (2006.01)**
[25] EN
[54] **SMART CABINET SYSTEM AND CONTROL METHOD THEREOF**
[54] **SYSTEME D'ARMOIRE INTELLIGENTE ET SON PROCEDE DE COMMANDE**
[72] WEI, TAO, CN
[72] HUANG, BINWU, CN
[72] WU, HENGYUAN, CN
[73] WEI, TAO, CN
[73] HUANG, BINWU, CN
[73] WU, HENGYUAN, CN
[85] 2019-11-19
[86] 2018-05-18 (PCT/CN2018/000182)
[87] (WO2018/209975)
[30] CN (201710358326.5) 2017-05-19

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[13] C
[51] **Int.Cl. H02P 29/00 (2016.01) A47B 9/00 (2006.01) H02H 5/00 (2006.01)**
[25] EN
[54] **IMPACT PROTECTION CONTROLLER FOR ELECTRIC HEIGHT-ADJUSTABLE DESK**
[54] **DISPOSITIF DE COMMANDE DE PROTECTION CONTRE LES CHOCS POUR BUREAU A REGLAGE ELECTRIQUE DE LA HAUTEUR**
[72] LIU, HUI, CN
[72] XUE, SHIGUANG, CN
[72] LI, LONG, CN
[73] DEWERTOKIN TECHNOLOGY GROUP CO., LTD., CN
[85] 2019-11-22
[86] 2017-06-20 (PCT/CN2017/089089)
[87] (WO2018/214194)
[30] CN (201720592545.5) 2017-05-25

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[13] C
[51] **Int.Cl. C07K 16/32 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL HETERO-DIMERIC MULTI-SPECIFIC ANTIBODY FORMAT**
[54] **NOUVEAU FORMAT D'ANTICORPS MULTISPECIFIQUE HETERODIMERIQUE**
[72] URECH, DAVID, CH
[72] GUNDE, TEA, CH
[72] MEYER, SEBASTIAN, CH
[72] HESS, CHRISTIAN, CH
[72] SIMONIN, ALEXANDRE, FR
[73] NUMAB THERAPEUTICS AG, CH
[85] 2019-12-02
[86] 2018-06-04 (PCT/EP2018/064633)
[87] (WO2018/224443)
[30] US (62/515,293) 2017-06-05

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[13] C
[51] **Int.Cl. B29B 11/08 (2006.01) B29C 49/02 (2006.01)**
[25] EN
[54] **MOLDED ARTICLE WITH SELECTIVELY VARIED CORE LAYER GEOMETRY AND HOT RUNNER NOZZLES FOR PRODUCING SAME**
[54] **ARTICLE MOULE AYANT UNE GEOMETRIE DE COUCHE CENTRALE SELECTIVEMENT MODIFIEE ET BUSES A CANAUX CHAUFFANTS POUR LA PRODUCTION DE CELUI-CI**
[72] WITZ, JEAN- CHRISTOPHE, FR
[72] BECK, CHRISTOPHE SIMON PIERRE, FR
[72] NIEWELS, JOACHIM JOHANNES, CA
[72] RIDDLE, LEE RICHARD, CA
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2019-12-06
[86] 2018-06-21 (PCT/CA2018/050756)
[87] (WO2018/232513)
[30] US (62/523,875) 2017-06-23

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[13] C
[51] **Int.Cl. G01N 27/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING AT LEAST ONE CHARACTERISTIC PROPERTY OF A MULTIPHASE FLUID**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'AU MOINS UNE PROPRIETE CARACTERISTIQUE D'UN FLUIDE MULTIPHASIQUE**
[72] HU, SHENGGEN, AU
[72] O'BRIEN, MICHAEL, AU
[73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2019-12-20
[86] 2018-06-27 (PCT/AU2018/050656)
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[51] **Int.Cl. F24F 11/30 (2018.01) F24D 19/10 (2006.01) F25B 45/00 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PUMPING DOWN FLAMMABLE REFRIGERANT**
[54] **SYSTEMES ET METHODES POUR POMPER LES REFRIGERANTS INFLAMMABLES**
[72] CRAWFORD, CARL T., US
[72] GOKHALE, UMESH, US
[73] LENNOX INDUSTRIES INC., US
[86] (3068378)
[87] (3068378)
[22] 2020-01-15
[30] US (16/256,378) 2019-01-24

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[51] **Int.Cl. G06F 21/10 (2013.01) H04W 12/08 (2021.01) G06F 21/31 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTHORIZING USER ACCESS TO RESTRICTED CONTENT**
[54] **SYSTEMES ET METHODES D'AUTORISATION D'UN ACCES D'UTILISATEUR A DU CONTENU LIMITE**
[72] GIBB, TAYLOR B., ZA
[73] FUSION HOLDINGS LIMITED, IM
[86] (3069074)
[87] (3069074)
[22] 2020-01-21
[30] GB (1901296.2) 2019-01-30

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[51] **Int.Cl. A01N 25/00 (2006.01) C12Q 1/66 (2006.01)**
[25] EN
[54] **A METHOD FOR THE RAPID DETECTION OF BACTERIAL SPORES IN AN INDUSTRIAL PROCESS**
[54] **PROCEDE DE DETECTION RAPIDE DE SPORES BACTERIENNES DANS UN PROCESSUS INDUSTRIEL**
[72] LUND, LILIYA, US
[72] RICE, LAURA, US
[73] ECOLAB USA INC., US
[85] 2020-01-09
[86] 2017-07-12 (PCT/US2017/041736)
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[51] **Int.Cl. A01F 15/07 (2006.01)**
[25] EN
[54] **A METHOD FOR OPERATING A ROUND BALER AND A ROUND BALER**
[54] **PROCEDE POUR FAIRE FONCTIONNER UNE PRESSE A BALLES RONDES ET PRESSE A BALLES RONDES**
[72] BAKER, TIM, GB
[72] VARLEY, SEAMUS, IE
[73] KVERNELAND GROUP RAVENNA S.R.L., IT
[85] 2020-01-27
[86] 2018-07-26 (PCT/EP2018/070294)
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[54] **DOWNHOLE TOOL MEMBER AND MANUFACTURING METHOD THEREOF**
[54] **ELEMENT D'OUTIL DE FOND DE TROU ET SON PROCEDE DE FABRICATION**
[72] KOBAYASHI, TAKUMA, JP
[72] KOBAYASHI, FUMINORI, JP
[72] SAIJO, HIKARU, JP
[72] SAITO, MIZUKI, JP
[72] YOSHIDA, HIROAKI, JP
[73] KUREHA CORPORATION, JP
[85] 2020-01-31
[86] 2018-07-23 (PCT/JP2018/027527)
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[30] JP (2017-182937) 2017-09-22
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[51] **Int.Cl. B01D 19/00 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **GAS-FED FERMENTATION REACTORS, SYSTEMS AND PROCESSES UTILIZING GAS/LIQUID SEPARATION VESSELS**
[54] **REACTEURS DE FERMENTATION ALIMENTES PAR GAZ, SYSTEMES ET PROCEDES UTILISANT DES RECIPIENTS DE SEPARATION GAZ/LIQUIDE**
[72] NGUYEN, LUAN THANH, US
[72] SILVERMAN, JOSHUA A., US
[72] AYLEN, GRAHAM IAN, GB
[73] CALYSTA, INC., US
[85] 2020-02-06
[86] 2018-08-13 (PCT/US2018/046518)
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[51] **Int.Cl. H04L 1/1812 (2023.01) H04W 72/232 (2023.01)**
[25] EN
[54] **COMMUNICATION METHOD AND COMMUNICATIONS DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION**
[72] XU, XIAOYING, CN
[72] YOU, CHUNHUA, CN
[72] HUANG, QUFANG, CN
[72] LIU, XING, CN
[72] ZENG, QINGHAI, CN
[72] ZHAO, LI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-02-11
[86] 2018-08-09 (PCT/CN2018/099503)
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[51] **Int.Cl. G05B 15/02 (2006.01) H04W 4/90 (2018.01) G08B 13/00 (2006.01) G08B 25/10 (2006.01)**
[25] EN
[54] **APPLIANCE DEVICE INTEGRATION WITH ALARM SYSTEMS**
[54] **INTEGRATION DE DISPOSITIFS D'APPAREILS AVEC DES SYSTEMES D'ALARME**
[72] BRYAN, DAVID A., US
[72] FARRAND, TOBIN E., US
[72] HART, DOUGLAS E., US
[73] OOMA, INC., US
[86] (3072813)
[87] (3072813)
[22] 2015-06-03
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[51] **Int.Cl. H04B 10/40 (2013.01) H04B 10/85 (2013.01)**
[25] EN
[54] **HARDWARE-ENFORCED ONE-WAY INFORMATION FLOW CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE DE FLUX D'INFORMATIONS UNIDIRECTIONNEL MIS EN OEUVRE PAR MATERIEL**
[72] MENOHER, JEFFREY CHARLES, US
[73] CONTROLLED INTERFACES, LLC, US
[85] 2020-02-21
[86] 2018-08-21 (PCT/US2018/047230)
[87] (WO2019/040438)
[30] US (62/548,043) 2017-08-21

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[51] **Int.Cl. B61K 11/00 (2006.01) B61H 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RECHARGING A RAILCAR AIR-BRAKE SYSTEM**
[54] **SYSTEME ET UN PROCEDE DE RECHARGE D'UN SYSTEME DE FREIN PNEUMATIQUE D'AUTORAIL**
[72] SEEGER, STUART, US
[73] BROWN INDUSTRIES, LLC, US
[86] (3074964)
[87] (3074964)
[22] 2020-03-09
[30] US (16/812,113) 2020-03-06
[30] US (62/814,951) 2019-03-07
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[13] C
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 29/00 (2006.01)**
[25] EN
[54] **AMUSEMENT PARK CAPSULE RIDE**
[54] **MANEGE A CAPSULE DE PARC D'ATTRACTION**
[72] FREEDMAN, DANIEL MATTHEW, US
[72] MAJDALI, DAVID GERARD, US
[72] WHITE, NATHANAEL GORDON, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-03-18
[86] 2018-09-12 (PCT/US2018/050607)
[87] (WO2019/060193)
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[25] EN
[54] **SHIPPING AND DISPENSING BOX FOR SLIT SHEET MATERIAL**
[54] **BOITE DE CHARGEMENT ET DE DISTRIBUTION POUR MATERIAU EN FEUILLE FENDUE**
[72] GOODRICH, DAVID P., US
[73] GOODRICH, DAVID P., US
[85] 2020-03-23
[86] 2018-10-12 (PCT/US2018/055674)
[87] (WO2019/075371)
[30] US (62/571,382) 2017-10-12
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[51] **Int.Cl. F24H 15/33 (2022.01) F23N 3/00 (2006.01) F24D 5/02 (2006.01) F24H 3/02 (2022.01)**
[25] EN
[54] **PORTABLE INDIRECT FUEL FIRED HEATER WITH AUTOMATED COMBUSTION OPTIMIZATION**
[54] **CHAUFFERETTE PORTATIVE A COMBUSTIBLE INDIRECT AVEC OPTIMISATION DE COMBUSTION AUTOMATISEE**
[72] HAAK, ERNEST, CA
[72] ISAAC, DARREN, CA
[73] FROST FIGHTER INC., CA
[86] (3077256)
[87] (3077256)
[22] 2020-03-27
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[51] **Int.Cl. H04W 8/06 (2009.01) H04W 8/04 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING VISITOR LOCATION REGISTER (VLR) RECORDS BY REMOVING DUPLICATE RECORDS**
[54] **SYSTEME ET METHODE DE GESTION DES DOSSIERS D'ENREGISTREUR DE LOCALISATION DE VISITEURS EN SUPPRIMANT LES DOSSIERS EN DOUBLE**
[72] YIN, ZHENGYUN (MICHAEL), CA
[73] TELUS CORPORATION, CA
[86] (3077838)
[87] (3077838)
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[51] **Int.Cl. B01D 3/42 (2006.01) B01D 1/04 (2006.01)**
[25] EN
[54] **WATER VAPOR DISTILLATION APPARATUS, METHOD AND SYSTEM**
[54] **APPAREIL, PROCEDE ET SYSTEME DE DISTILLATION DE LA VAPEUR D'EAU**
[72] KAMEN, DEAN, US
[72] LAROCQUE, RYAN K., US
[72] LANGENFELD, CHRISTOPHER C., US
[72] ENT, STEPHEN M., US
[72] SCHNELLINGER, ANDREW A., US
[72] BHAT, PRASHANT, US
[72] SMITH, STANLEY B., III, US
[72] CLAPP, OTIS L., US
[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[87] (3077963)
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[51] **Int.Cl. G05D 1/606 (2024.01) G05D 1/226 (2024.01) G05D 1/228 (2024.01) G05D 1/229 (2024.01)**
[25] EN
[54] **DETECTING AND RESPONDING TO TRAFFIC REDIRECTION FOR AUTONOMOUS VEHICLES**
[54] **DETECTION ET REPONSE A LA REDIRECTION DE CIRCULATION POUR VEHICULES AUTONOMES**
[72] SILVER, DAVID HARRISON, US
[72] CHAUDHARI, PANKAJ, US
[73] WAYMO LLC, US
[85] 2020-04-28
[86] 2018-10-29 (PCT/US2018/057971)
[87] (WO2019/089444)
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[51] **Int.Cl. H04W 68/02 (2009.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD, DEVICE AND COMPUTER-READABLE MEDIUM**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS, DISPOSITIF ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] SHI, ZHIHUA, CN
[72] ZHANG, ZHI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-05-06
[86] 2017-11-10 (PCT/CN2017/110579)
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[25] EN
[54] **AUTOMATIC THREAT IDENTIFICATION AND RESPONSE SYSTEM**
[54] **SYSTEME D'IDENTIFICATION DE MENACE ET D'INTERVENTION AUTOMATIQUE**
[72] BUTLER, MICHAEL, US
[73] BEARCOM GROUP, INC., US
[86] (3083485)
[87] (3083485)
[22] 2020-06-12
[30] US (16/899,410) 2020-06-11
[30] US (62/861,768) 2019-06-14

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[51] **Int.Cl. G06F 16/178 (2019.01)**
[25] EN
[54] **UPDATING A LOCAL TREE FOR A CLIENT SYNCHRONIZATION SERVICE**
[54] **MISE A JOUR D'UN ARBRE LOCAL POUR UN SERVICE DE SYNCHRONISATION DE CLIENT**
[72] LAI, JOHN, US
[73] DROPBOX, INC., US
[85] 2020-05-25
[86] 2018-12-13 (PCT/US2018/065352)
[87] (WO2019/133270)
[30] US (62/611,473) 2017-12-28
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[25] EN
[54] **COLLAPSIBLE CONTAINMENT BERM**
[54] **BERME DE CONFINEMENT ESCAMOTABLE**
[72] YAREMENKO, VICTOR, CA
[72] SHIELDS, BRYAN, CA
[72] REICHARD, PAUL, CA
[73] SEI MANUFACTURING INC., CA
[86] (3084224)
[87] (3084224)
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[25] EN
[54] **MINING OR CONSTRUCTION VEHICLE ASSISTANCE SYSTEM**
[54] **SYSTEME D'ASSISTANCE POUR VEHICULE D'EXPLOITATION MINIERE OU DE CONSTRUCTION**
[72] HAUSER, FABIAN, CH
[72] BAYUELO, MARCOS, CH
[72] HIRTZ, BARBARA, CH
[72] KRITTER, FABIEN, CH
[73] HEXAGON GEOSYSTEMS SERVICES AG, CH
[86] (3084906)
[87] (3084906)
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[51] **Int.Cl. A01G 9/20 (2006.01) F21V 21/34 (2006.01)**
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[54] **HIGH DENSITY MOBILE PLANT CULTIVATION SYSTEM**
[54] **SYSTEME DE CULTURE DE PLANTE MOBILE A HAUTE DENSITE**
[72] KRAUSE, SEAN, US
[72] TYINK, ALEXANDER R., US
[72] DURFEE, KENNETH, US
[73] SPACESAVER CORPORATION, US
[73] FORK FARMS HOLDINGS LLC, US
[86] (3084910)
[87] (3084910)
[22] 2020-06-25
[30] US (16/681,210) 2019-11-12

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[25] EN
[54] **WATER REGULATION SYSTEM AND METHOD OF USE THEREOF**
[54] **DISPOSITIF DE REGULATION DES EAUX ET SON PROCEDE D'UTILISATION**
[72] BESSETTE, JEAN FRANCOIS, CA
[72] FORTIN, LUC, CA
[73] NOFLO INC., CA
[86] (3086575)
[87] (3086575)
[22] 2020-07-10
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[25] EN
[54] **PREPARATION OF AN AVIATION FUEL COMPOSITION**
[54] **PREPARATION D'UNE COMPOSITION DE CARBURANT POUR L'AVIATION**
[72] KIISKI, ULLA, FI
[72] NORTIO, JENNI, FI
[72] SANDBERG, KATI, FI
[73] NESTE OYJ, FI
[85] 2020-06-23
[86] 2018-12-21 (PCT/FI2018/050972)
[87] (WO2019/129928)
[30] FI (20176177) 2017-12-28

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[25] EN
[54] **RIDE WITH ROTATING LIFT**
[54] **MANEGE A PORTANCE ROTATIVE**
[72] HALL, GREGORY S., US
[72] SOUTH, DWAIN, US
[72] GOODWIN, DAVID, US
[72] WEISER, CARLOS, US
[73] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-07-15
[86] 2019-01-24 (PCT/US2019/014869)
[87] (WO2019/147746)
[30] US (15/882,820) 2018-01-29

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[13] C
[51] **Int.Cl. H05K 5/02 (2006.01) C09K 21/00 (2006.01) H04R 1/02 (2006.01)**
[25] EN
[54] **USE OF FLAME RESISTANT MATERIAL WITH AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT ENCLOSURE**
[54] **UTILISATION D'UN MATERIAU IGNIFUGE AVEC ENCEINTE D'EQUIPEMENTS DES TECHNOLOGIES DE L'AUDIO/VIDEO, DE L'INFORMATION ET DE LA COMMUNICATION**
[72] PETO, ANTHONY, US
[72] LIPKE, DEAN, US
[73] LEVITON MANUFACTURING CO., INC., US
[86] (3089383)
[87] (3089383)
[22] 2020-08-07
[30] US (16/537,159) 2019-08-09

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[13] C
[51] **Int.Cl. G01S 17/10 (2020.01) G01S 7/481 (2006.01)**
[25] EN
[54] **LIDAR MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE LIDAR**
[72] BEUSCHEL, RALF, DE
[72] KIESEL, RAINER, DE
[73] MICROVISION, INC., US
[85] 2020-06-10
[86] 2018-11-16 (PCT/EP2018/081598)
[87] (WO2019/115151)
[30] DE (10 2017 222 970.5) 2017-12-15

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[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **ENDOSCOPIC DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS ENDOSCOPIQUES ET PROCEDES ASSOCIES**
[72] PODPOLUCHA, JAMES F., US
[72] FARRINGTON, RICHARD I., US
[73] COOPERSURGICAL, INC., US
[85] 2020-08-13
[86] 2019-03-13 (PCT/US2019/022117)
[87] (WO2019/194945)
[30] US (62/652,485) 2018-04-04
[30] US (62/727,017) 2018-09-05

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[13] C
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR HYBRID WELDER MODES OF OPERATION**
[54] **PROCEDES ET APPAREIL DE MODES DE FONCTIONNEMENT DE DISPOSITIF DE SOUDAGE HYBRIDE**
[72] RADTKE, DAVID EDWIN, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2020-09-03
[86] 2019-04-30 (PCT/US2019/029785)
[87] (WO2019/213009)
[30] US (62/664,609) 2018-04-30
[30] US (16/397,545) 2019-04-29

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[13] C
[51] **Int.Cl. G06N 99/00 (2019.01) G06F 1/03 (2006.01)**
[25] EN
[54] **BATCHING WAVEFORM DATA**
[54] **MISE EN LOTS DE DONNEES DE FORME D'ONDE**
[72] KELLY, JULIAN SHAW, US
[72] NEELEY, MATTHEW, US
[73] GOOGLE LLC, US
[85] 2020-09-10
[86] 2018-03-20 (PCT/US2018/023369)
[87] (WO2019/182570)

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[13] C
[51] **Int.Cl. G16Z 99/00 (2019.01) G06T 15/06 (2011.01) G06F 30/13 (2020.01) G06F 30/20 (2020.01) G06F 3/048 (2013.01) G06T 15/50 (2011.01)**
[25] EN
[54] **PROVIDING SIMULATED LIGHTING INFORMATION FOR THREE-DIMENSIONAL BUILDING MODELS**
[54] **FOURNITURE DE RENSEIGNEMENTS D'ECLAIRAGE SIMULE POUR DES MODELES DE BATIMENTS EN TROIS DIMENSIONS**
[72] VINCENT, JOSH, US
[72] MOULON, PIERRE, US
[72] BOYADZHIEV, IVAYLO, US
[72] MARUSKA, JOSHUA, US
[73] MFTB HOLDCO, INC., US
[86] (3095189)
[87] (3095189)
[22] 2020-10-05
[30] US (16/841,581) 2020-04-06
[30] US (62/911,959) 2019-10-07

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[13] C
[51] **Int.Cl. F04B 1/32 (2020.01) F03C 1/40 (2006.01) F04B 49/00 (2006.01) F04B 53/14 (2006.01)**
[25] EN
[54] **SWASH PLATE-TYPE AXIAL PISTON PUMP**
[54] **POMPE A PISTONS AXIAUX DE TYPE A PLATEAU INCLINABLE**
[72] KRONPASS, MANUEL, DE
[73] HYDAC DRIVE CENTER GMBH, DE
[85] 2020-10-13
[86] 2019-03-29 (PCT/EP2019/057982)
[87] (WO2019/201574)
[30] DE (10 2018 003 207.9) 2018-04-19

[11] **3,098,526**
[13] C
[51] **Int.Cl. H04N 13/122 (2018.01) H04N 13/271 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPTIMIZING DEPTH IMAGING**
[54] **PROCEDE ET SYSTEME D'OPTIMISATION D'IMAGERIE DE PROFONDEUR**
[72] KUTULAKOS, KIRIAKOS NEOKLIS, CA
[72] MIRDEHGHAN, SEYED PARSA, CA
[72] CHEN, WENZHENG, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-10-16
[86] 2019-05-03 (PCT/CA2019/050596)
[87] (WO2019/210431)
[30] US (62/666,150) 2018-05-03

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[13] C
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[25] EN
[54] **POLYSTYRENE COMPOSITIONS FOR FOAM EXTRUSION**
[54] **COMPOSITIONS DE POLYSTYRENE POUR EXTRUSION DE MOUSSE**
[72] LI, FENGKUI, US
[72] BROWN, JAYNA, US
[72] WANG, YING, US
[72] STEPHENS, WYMAN T., US
[73] FINA TECHNOLOGY, INC., US
[85] 2020-10-30
[86] 2019-06-18 (PCT/US2019/037824)
[87] (WO2019/246170)
[30] US (16/014,883) 2018-06-21

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[51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/80 (2018.01) H04L 67/1061 (2022.01)**
[25] EN
[54] **APPLICATION FUNCTION IMPLEMENTATION METHOD AND ELECTRONIC DEVICE**
[54] **PROCEDE DE MISE EN OEUVRE DE FONCTION D'APPLICATION ET DISPOSITIF ELECTRONIQUE**
[72] YANG, JUN, CN
[72] LI, KAI, CN
[72] QIU, GE, CN
[72] ZHOU, YAOYING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-11-27
[86] 2018-05-31 (PCT/CN2018/089407)
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[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**
[25] EN
[54] **TARTRATE AND CRYSTAL FORM THEREOF AS SELECTIVE CDK9 INHIBITORS**
[54] **TARTRATE ET FORME CRISTALLINE DE CELUI-CI EN TANT QU'INHIBITEURS SELECTIFS DE CDK9**
[72] WANG, SHUDONG, AU
[72] WANG, HUI, CN
[72] JIANG, LIQUN, CN
[72] LV, JINCHEN, CN
[72] JU, WENJIAN, CN
[73] CHANGZHOU QIANHONG BIOPHARMA CO., LTD., CN
[73] CHANGZHOU LE SUN PHARMACEUTICALS LTD., CN
[85] 2020-12-02
[86] 2019-05-29 (PCT/CN2019/088991)
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[30] CN (201810637484.9) 2018-06-20

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[25] EN
[54] **IMAGE DECODING METHOD USING INTRA PREDICTION RELATED INFORMATION IN IMAGE CODING SYSTEM AND APPARATUS THEREFOR**
[54] **PROCEDE DE DECODAGE D'IMAGES A L'AIDE D'INFORMATIONS LIEES A L'INTRA-PREDICTION DANS UN SYSTEME DE CODAGE D'IMAGES ET APPAREIL ASSOCIE**
[72] KIM, SEUNGHWAN, KR
[72] YOO, SUNMI, KR
[72] LI, LING, KR
[72] LIM, JAEHYUN, KR
[72] CHOI, JANGWON, KR
[72] CHOI, JUNGAH, KR
[72] HEO, JIN, KR
[73] LG ELECTRONICS INC., KR
[85] 2020-12-11
[86] 2019-07-01 (PCT/KR2019/007967)
[87] (WO2020/017785)
[30] US (62/698,113) 2018-07-14

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[51] **Int.Cl. A61B 5/22 (2006.01) G16H 40/60 (2018.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING USER EFFECTIVENESS DURING OPERATION OF AN EXERCISE MACHINE**
[54] **PROCEDE ET APPAREIL POUR SURVEILLER L'EFFICACITE D'UN UTILISATEUR PENDANT LE FONCTIONNEMENT D'UNE MACHINE D'EXERCICE**
[72] WAINWRIGHT, BARNEY, GB
[73] WATTBIKE IP LIMITED, GB
[85] 2020-12-15
[86] 2019-06-05 (PCT/GB2019/051559)
[87] (WO2020/002871)
[30] GB (1810397.8) 2018-06-25

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[51] **Int.Cl. B61F 5/48 (2006.01) B61F 1/08 (2006.01) B61F 3/04 (2006.01)**
[25] EN
[54] **BOGIE FRAME WITH ASYMMETRICAL SUPPORT BEAM AND BOGIE OF A RAIL VEHICLE**
[54] **CADRE DE BOGIE AVEC UN BRAS SUPPORT ASYMETRIQUE ET BOGIE D'UN VEHICULE FERROVIAIRE**
[72] KING, PAUL, GB
[72] ADAMS, PHILIP, GB
[73] BOMBARDIER TRANSPORTATION GMBH, DE
[86] (3104313)
[87] (3104313)
[22] 2020-12-29
[30] GB (1919475.2) 2019-12-31

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[51] **Int.Cl. B62K 5/01 (2013.01) B62K 5/08 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL VEHICLE**
[54] **VEHICULE MULTIFONCTION**
[72] SESSELEGO, TOMASO, IT
[73] SESSELEGO, TOMASO, IT
[85] 2021-01-05
[86] 2019-07-16 (PCT/EP2019/069135)
[87] (WO2020/016236)
[30] IT (102018000007362) 2018-07-20

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[51] **Int.Cl. A01F 25/20 (2006.01)**
[25] EN
[54] **GRAIN BIN SUMP CONTROL WITH AUTOMATIC INTERMEDIATE SUMP LOCK-OUT ASSEMBLY**
[54] **PUISARD DE CELLULE A GRAIN AVEC MECANISME AUTOMATIQUE DE VERROUILLAGE DE PUISARD INTERMEDIAIRE**
[72] STREHLER, NATHAN W., US
[72] GUTWEIN, ADAM K., US
[73] CTB, INC., US
[86] (3105797)
[87] (3105797)
[22] 2021-01-12
[30] US (17/144,827) 2021-01-08
[30] US (62/960,970) 2020-01-14

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[25] FR
[54] **BATTERY SAFETY VENT ASSEMBLY**
[54] **ENSEMBLE EVENT DE SECURITE DE BATTERIE**
[72] EL MAZOUZI, MUSTAPHA, CA
[72] ZAGHIB, KARIM, CA
[72] WANG, PU, CA
[73] HYDRO-QUEBEC, CA
[85] 2021-01-07
[86] 2019-07-10 (PCT/CA2019/050947)
[87] (WO2020/010453)
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[51] **Int.Cl. A01M 29/12 (2011.01) A01M 29/34 (2011.01) A01M 1/20 (2006.01) A01N 47/40 (2006.01)**
[25] EN
[54] **REPELLENT DELIVERY DEVICE WITH GLYCERIN SOAP BODY AND RELATED METHODS**
[54] **DISPOSITIF DE DISTRIBUTION DE REPULSIF AVEC CORPS DE SAVON DE GLYCERINE ET PROCEDES ASSOCIES**
[72] THOMPSON, SCOTT K., US
[72] THAYER, JR., THOMAS A., US
[72] SHINN, JAMES M., US
[73] RADICAL AG TECH, INC., US
[85] 2021-02-05
[86] 2019-08-15 (PCT/US2019/046668)
[87] (WO2020/037131)
[30] US (62/719,229) 2018-08-17

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[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01)**
[25] EN
[54] **METHOD FOR OPERATING AN ELECTRIC ISLAND POWER NETWORK**
[54] **METHODE D'EXPLOITATION D'UN RESEAU ELECTRIQUE EN ILOT**
[72] OLENBERGER, CHRISTIAN, DE
[72] HACKEL, BJORN, DE
[72] BERGER, STEPHAN, DE
[72] RAILA, MICHAEL, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[73] MAN ENERGY SOLUTIONS SE, DE
[86] (3109047)
[87] (3109047)
[22] 2021-02-12
[30] DE (10 2020 104 324.4) 2020-02-19

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[25] EN
[54] **LED DRIVING CIRCUIT BASED ON T-SHAPED LAMP TUBE**
[54] **CIRCUIT D'ATTAQUE A DEL BASE SUR UN TUBE DE LAMPE EN T**
[72] XIE, JIANG, CN
[72] HUANG, DI, CN
[72] ZHU, YIGUANG, CN
[72] CHEN, JIANHUI, CN
[73] FOSHAN ELECTRICAL AND LIGHTING CO., LTD, CN
[85] 2021-02-05
[86] 2019-11-16 (PCT/CN2019/119035)
[87] (WO2021/088114)
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[25] EN
[54] **TAG LAYOUT FOR INDUSTRIAL VEHICLE OPERATION**
[54] **DISPOSITION D'ETIQUETTES POUR EXPLOITATION DE VEHICULES INDUSTRIELS**
[72] WALTON, DANIEL D., US
[72] SHERMAN, NICHOLAS J., US
[73] CROWN EQUIPMENT CORPORATION, US
[86] (3110772)
[87] (3110772)
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[30] US (62/157,863) 2015-05-06
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[25] EN
[54] **SINGLE BLISTER-STRIP BASED DISPENSER**
[54] **DISTRIBUTEUR DE BANDE ALVEOLEE UNIQUE**
[72] KULKARNI, NANDAN, IN
[72] SHEWALE, PAVAN, IN
[72] MALHOTRA, GEENA, IN
[73] CIPLA LIMITED, IN
[85] 2021-03-09
[86] 2019-09-09 (PCT/IN2019/050649)
[87] (WO2020/053878)
[30] IN (201821034038) 2018-09-10

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[25] EN
[54] **METHOD OF PROCESSING BY-PRODUCT WATER FOR OPTIMAL BENEFICIAL USE**
[54] **METHODE DE TRAITEMENT DE L'EAU DE PRODUIT DERIVE POUR UNE UTILISATION AVANTAGEUSE OPTIMALE**
[72] NASH, MARVIN, CA
[73] NASH, MARVIN, CA
[85] 2021-03-15
[86] 2019-07-23 (PCT/US2019/043116)
[87] (WO2020/060667)
[30] US (62/737,746) 2018-09-23

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[51] **Int.Cl. E21B 43/24 (2006.01)**
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[54] **SYSTEM AND PROCESS FOR RECOVERING HYDROCARBONS USING A SUPERCRITICAL FLUID**
[54] **SYSTEME ET PROCEDE DE RECUPERATION D'HYDROCARBURES AU MOYEN D'UN LIQUIDE SUPERCRITIQUE**
[72] STORSLETT, STEIN, US
[72] SEGERSTROM, JOHN, US
[73] CHEVRON U.S.A. INC., US
[86] (3113296)
[87] (3113296)
[22] 2021-03-25
[30] US (17/164294) 2021-02-01

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[51] **Int.Cl. C09K 8/528 (2006.01)**
[25] EN
[54] **TREATMENT OF IRON SULPHIDE DEPOSITS WITH SYNERGISTIC MIXTURES OF THPS AND CITRATES**
[54] **TRAITEMENT DES DEPOTS DE SULFURE DE FER A L'AIDE DE MELANGES SYNERGIQUES DE THPS ET DE CITRATES**
[72] LABARRE, DOMINIQUE, FR
[72] JONES, CHRISTOPHER, GB
[73] ENERGY SOLUTIONS (US) LLC, US
[85] 2021-03-19
[86] 2019-09-16 (PCT/EP2019/074695)
[87] (WO2020/064399)
[30] US (62/738,629) 2018-09-28

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[51] **Int.Cl. H04N 19/80 (2014.01)**
[25] EN
[54] **INTRA PREDICTION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'INTRA-PREDICTION**
[72] MA, XIANG, CN
[72] CHEN, JIANLE, US
[72] ZHAO, YIN, CN
[72] YANG, HAITAO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2021-04-01
[86] 2019-09-30 (PCT/CN2019/109733)
[87] (WO2020/069667)
[30] US (62/742,266) 2018-10-05
[30] US (62/742,275) 2018-10-06
[30] US (62/742,356) 2018-10-06
[30] US (62/742,355) 2018-10-06

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[51] **Int.Cl. B64D 33/02 (2006.01) B01D 46/44 (2006.01) F02C 7/05 (2006.01) F02M 35/024 (2006.01)**
[25] FR
[54] **AIR FILTRATION SYSTEM AND METHOD WITH SELF-CLEANING FILTERING MEDIUM FOR AN AIRCRAFT ENGINE**
[54] **SYSTEME ET PROCEDE DE FILTRATION D'AIR A MEDIA FILTRANT AUTONETTOYANT POUR UN MOTEUR D'UN AERONEF**
[72] FAYARD, BENOIT, FR
[73] AIRBUS HELICOPTERS, FR
[86] (3116233)
[87] (3116233)
[22] 2021-04-27
[30] FR (2006839) 2020-06-30

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[51] **Int.Cl. C10L 11/04 (2006.01) C10L 11/06 (2006.01) F23Q 13/00 (2006.01)**
[25] EN
[54] **FIRE STARTING STRIP**
[54] **BANDE D'ALLUMAGE DE FEU**
[72] SNELL, SIMON GEORGE, GB
[73] CERTAINLY WOOD LTD., GB
[86] (3116510)
[87] (3116510)
[22] 2021-04-28

[11] **3,117,183**
[13] C
[51] **Int.Cl. G06Q 10/087 (2023.01) G06Q 30/0202 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SELECTING A SPECIFIC WAREHOUSE LOCATION FOR DISPLAYING AN INVENTORY OF AVAILABLE ITEMS TO A USER OF AN ONLINE CONCIERGE SYSTEM**
[54] **SELECTION D'UN EMPLACEMENT D'ENTREPOT SPECIFIQUE POUR LA PRESENTATION D'UN STOCK D'ARTICLES DISPONIBLES A UN UTILISATEUR D'UN SYSTEME DE CONCIERGERIE EN LIGNE**
[72] PRASAD, SHISHIR KUMAR, US
[72] RAO KARIKURVE, SHARATH, US
[72] GOYRET, DIEGO, US
[73] MAPLEBEAR INC. (DBA INSTACART), US
[86] (3117183)
[87] (3117183)
[22] 2021-05-05
[30] US (17/230,816) 2021-04-14

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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01) C07K 16/28 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **CONTROL OF TRACE METALS DURING PRODUCTION OF ANTI-CD38 ANTIBODIES**
[54] **REGULATION DE METAUX TRACES PENDANT LA PRODUCTION D'ANTICORPS ANTI-CD38**
[72] LARMORE, NICOLE, US
[72] RAMANATHAN, BALASUBRAMANIAN, US
[72] YEAGER, RICHARD, US
[73] JANSSEN BIOTECH, INC., US
[85] 2021-04-22
[86] 2019-11-13 (PCT/IB2019/059766)
[87] (WO2020/100073)
[30] US (62/760,782) 2018-11-13

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[51] **Int.Cl. E21B 47/01 (2012.01) E21B 17/00 (2006.01) E21B 43/10 (2006.01) E21B 47/10 (2012.01)**
[25] EN
[54] **WELLBORE TUBULAR WITH LOCAL INNER DIAMETER VARIATION**
[54] **TUBULAIRES DE PUITS DE FORAGE COMPRENANT UNE VARIATION DE DIAMETRE INTERIEUR LOCALE**
[72] DUTHIE, ANGUS, US
[72] JAASKELAINEN, MIKKO K., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (3117926)
[87] (3117926)
[22] 2021-05-10
[30] US (17/237,781) 2021-04-22

[11] **3,118,244**
[13] C
[51] **Int.Cl. H04B 14/00 (2006.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND COMMUNICATIONS DEVICE**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS ET DISPOSITIF DE COMMUNICATION**
[72] LIU, SIQI, CN
[72] JI, ZICHAO, CN
[72] WU, KAI, CN
[72] DING, YU, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2021-04-29
[86] 2019-10-23 (PCT/CN2019/112677)
[87] (WO2020/088315)
[30] CN (201811302729.9) 2018-11-02

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[13] C
[51] **Int.Cl. E21B 23/08 (2006.01) E21B 7/06 (2006.01)**
[25] EN
[54] **A BOTTOM HOLE ASSEMBLY**
[54] **ENSEMBLE DE FOND DE TROU**
[72] PRAY, JEFFERY SCOTT, US
[72] SMALLEY, MICHAEL, US
[72] KORF, JOSHUA MATTHEW, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2021-05-05
[86] 2019-10-23 (PCT/US2019/057703)
[87] (WO2020/123043)
[30] US (16/220,531) 2018-12-14

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[13] C
[51] **Int.Cl. A23L 25/00 (2016.01) A23L 33/00 (2016.01)**
[25] EN
[54] **NUTRITION BAR FOR INTERMITTENT FASTING-MIMICKING**
[54] **BARRE NUTRITIVE POUR UNE IMITATION DU JEUNE INTERMITTENT**
[72] LONGO, VALTER D., US
[72] SCHIRANO, FABRIZIO, US
[72] ANTOUN, JOSEPH, US
[73] L-NUTRA, INC., US
[85] 2021-05-06
[86] 2019-11-12 (PCT/US2019/060861)
[87] (WO2020/097615)
[30] US (62/758,033) 2018-11-09

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[13] C
[51] **Int.Cl. H04W 72/566 (2023.01) H04W 4/46 (2018.01) H04W 72/0446 (2023.01) H04W 72/121 (2023.01) H04W 72/25 (2023.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING SIDELINK DATA, AND TERMINAL DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES DE LIAISON LATERALE ET DISPOSITIF TERMINAL**
[72] ZHAO, ZHENSHAN, CN
[72] LU, QIANXI, CN
[72] LIN, HUEI-MING, AU
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2021-05-07
[86] 2019-05-17 (PCT/CN2019/087421)
[87] (WO2020/093678)
[30] CN (PCT/CN2018/114657) 2018-11-08

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[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACIDS FOR INHIBITING EXPRESSION OF LPA IN A CELL**
[54] **ACIDES NUCLEIQUES PERMETTANT D'INHIBER L'EXPRESSION DE LPA DANS UNE CELLULE**
[72] RIDER, DAVID ANTHONY, DE
[72] BETHGE, LUCAS, DE
[72] FRAUENDORF, CHRISTIAN, DE
[72] WEINGAERTNER, ADRIEN, DE
[72] HAUPTMANN, JUDITH, DE
[72] DAMES, SIBYLLE, DE
[72] SCHUBERT, STEFFEN, DE
[72] TENBAUM, STEPHAN, DE
[73] SILENCE THERAPEUTICS GMBH, DE
[85] 2021-05-07
[86] 2019-11-13 (PCT/EP2019/081158)
[87] (WO2020/099476)
[30] EP (PCT/EP2018/081106) 2018-11-13
[30] EP (19174466.3) 2019-05-14

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[51] **Int.Cl. H02J 7/00 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **ELECTRIC TOOL POWER SUPPLY HAVING VEHICLE STARTING FUNCTION**
[54] **ALIMENTATION ELECTRIQUE D'OUTIL ELECTRIQUE AYANT UNE FONCTION DE DEMARRAGE DE VEHICULE**
[72] LEI, YUN, CN
[73] SHENZHEN CARKU TECHNOLOGY CO., LIMITED, CN
[85] 2021-05-10
[86] 2019-05-08 (PCT/CN2019/086017)
[87] (WO2020/098234)
[30] CN (201821867442.6) 2018-11-13

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[13] C
[51] **Int.Cl. E06B 9/264 (2006.01) E06B 9/266 (2006.01) E06B 9/42 (2006.01)**
[25] EN
[54] **A CORNER BRACKET**
[54] **SUPPORT D'ANGLE**
[72] GREENING, ANDREW, GB
[72] BARNES, ANTONY, GB
[73] LOUVER-LITE LIMITED, GB
[85] 2021-05-11
[86] 2019-11-11 (PCT/EP2019/080906)
[87] (WO2020/099343)
[30] GB (1818419.2) 2018-11-12

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[13] C
[51] **Int.Cl. G06Q 50/43 (2024.01) G06Q 10/04 (2023.01) G06Q 10/0631 (2023.01) G05D 1/225 (2024.01) G05D 1/648 (2024.01) G05D 1/69 (2024.01)**
[25] EN
[54] **MULTIPLE DESTINATION TRIPS FOR AUTONOMOUS VEHICLES**
[54] **TRAJETS DE DESTINATION MULTIPLES POUR DES VEHICULES AUTONOMES**
[72] LANDY, CRISTI, US
[72] MERCAY, JULIEN, US
[72] TANPHAICHITR, SAKSIRI, US
[72] FEENSTRA, LAURENS ANDREAS, US
[72] PANDIT, SALIL, US
[73] WAYMO LLC, US
[85] 2021-05-12
[86] 2019-11-27 (PCT/US2019/063571)
[87] (WO2020/123157)
[30] US (16/217,805) 2018-12-12

[11] **3,119,893**
[13] C
[51] **Int.Cl. H04W 72/231 (2023.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETERMINING QUASI-CO-LOCATION REFERENCE SIGNAL**
[54] **PROCEDE ET APPAREIL DE DETERMINATION DE SIGNAL DE REFERENCE DE QUASI-COLOCALISATION**
[72] ZHANG, SHUJUAN, CN
[72] LI, YU NGOK, CN
[72] GAO, BO, CN
[72] LU, ZHAOHUA, CN
[72] JIANG, CHUANGXIN, CN
[72] HE, ZHEN, CN
[73] ZTE CORPORATION, CN
[85] 2021-05-12
[86] 2019-11-12 (PCT/CN2019/117599)
[87] (WO2020/098656)
[30] CN (201811341635.2) 2018-11-12

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[13] C
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[54] **SYSTEMES ET PROCEDES D'ACCORD PAR INDUCTANCE D'UNE INTERFACE HOMME-MACHINE**
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[72] ARUNACHALAM, ANJANA GAYATHRI, CA
[72] ENGLEHART, KEVIN BRIAN, CA
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[54] **PROCEDE ET SYSTEME DE LOCALISATION DE VEHICULE A HAUTE INTEGRITE ET DETERMINATION DE VITESSE**
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[54] **BATTERIE D'ALIMENTATION ELECTRIQUE ET SYSTEME D'ALIMENTATION ELECTRIQUE POUR TRAINS A SUSTENTATION MAGNETIQUE A GRANDE VITESSE**
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[72] VAMOS, CLARISSE MARIE, US
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[54] **COMPOSITION ET JOINT DE TUYAU FILETE DOTE D'UNE COUCHE DE REVETEMENT LUBRIFIANT COMPRENANT LADITE COMPOSITION**
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[72] ABE, TOMOKA, JP
[73] NIPPON STEEL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
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[72] KEMENAH, GREG, US
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[54] **MODULATEURS DE MTORC ET LEURS UTILISATIONS**
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[72] FROIDBISE, ALEXANDRE, US
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[73] UNIVERSAL CITY STUDIOS LLC, US
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[54] **PROCEDE DE GENERATION D'UN POINT DE VUE STEREOSCOPIQUE A VALEUR D'ENTRAXE MODIFIABLE**
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[54] **DISPOSITIF DE REGENERATION DE SOLUTION D'ABSORPTION, DISPOSITIF DE RECUPERATION DE CO2 ET PROCEDE DE REGENERATION DE SOLUTION D'ABSORPTION**
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[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
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[54] **ENSEMBLE PRESSE DE PASTILLAGE ET DISPOSITIF DE CONCASSAGE DE PASTILLES MONTE SUR LA PRESSE DE PASTILLAGE**
[72] VAN LINDENBERG, JAN-WILLEM, NL
[72] MEIJER, LUKAS, NL
[72] BINDELS, MAURICE, NL
[73] CPM EUROPE B.V., NL
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[54] **CAPTEUR DE RAYONNEMENT UV, INFRAROUGE ET DE LUMIERE VISIBLE, A FILM MINCE THERMOELECTRIQUE A GRANDE LARGEUR DE BANDE, ET SON PROCEDE DE FABRICATION**
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[72] VEMBRIS, AIVARS, LV
[72] PUDZS, KASPARS, LV
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[73] HEGENBERGERSPECULUM APS, DK
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[54] **WEARABLE DEVICE**
[54] **DISPOSITIF PORTABLE**
[72] JUNG, SOO MIN, GB
[73] CHARCO NEUROTECH LTD, GB
[85] 2021-11-24
[86] 2020-06-26 (PCT/IB2020/056091)
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[25] EN
[54] **BEER-TASTE FERMENTED MALT BEVERAGE**
[54] **BOISSON MALTEE FERMENTEE AYANT UN GOUT DE BIERE**
[72] KUBOTA, JUN, JP
[72] MAEKAWA, SYOTARO, JP
[73] ASAHI GROUP HOLDINGS, LTD., JP
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[25] EN
[54] **3-ARYLOXYL-3-FIVE-MEMBERED HETEROARYL-PROPYLAMINE COMPOUND, AND CRYSTAL FORM AND USE THEREOF**
[54] **COMPOSE PROPYLAMINE HETEROARYLE 3-ARYLOXYL-3 A CINQ CHAINONS, FORME CRISTALLINE ET UTILISATION ASSOCIEE**
[72] WANG, YOUXIN, CN
[72] ZHANG, LINGLING, CN
[72] DING, QIANG, CN
[73] SHANGHAI LEADO PHARMATECH CO. LTD., CN
[85] 2021-11-12
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[25] EN
[54] **A METHOD AND APPARATUS FOR INSTALLING AND REMOVING A PLUG RETAINER**
[54] **METHODE ET APPAREIL POUR INSTALLER ET RETIRER UN DISPOSITIF DE RETENUE DE BOUCHON**
[72] STRATULATE, GARY WARREN, US
[72] PENDLETON, GARY, GB
[73] GARTECH, LLC, US
[86] (3140328)
[87] (3140328)
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[54] **VACCINE COMPOSITIONS FOR THE TREATMENT OF CORONAVIRUS**
[54] **COMPOSITIONS DE VACCIN POUR LE TRAITEMENT DU CORONAVIRUS**
[72] ANDERSON, DAVID EVANDER, US
[72] FLUCKIGER, ANNE-CATHERINE, FR
[73] VARIATION BIOTECHNOLOGIES INC., CA
[85] 2021-11-26
[86] 2021-03-30 (PCT/IB2021/000190)
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[25] EN
[54] **METHOD FOR FEEDING ELECTRICAL POWER INTO AN ELECTRICAL SUPPLY NETWORK**
[54] **METHODE D'ALIMENTATION ELECTRIQUE DANS UN RESEAU D'ALIMENTATION ELECTRIQUE**
[72] BROMBACH, JOHANNES, DE
[73] WOBBEN PROPERTIES GMBH, DE
[86] (3143840)
[87] (3143840)
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[54] **PACKER DE FOND DE TROU**
[72] GARCIA, LUIS, US
[72] KELLEY, CALEB, US
[73] TAM INTERNATIONAL, INC., US
[86] (3145935)
[87] (3145935)
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[25] EN
[54] **METHOD FOR SUPPORTING PORT CONTROL AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE PRISE EN CHARGE DE COMMANDE DE PORT**
[72] KE, XIAOWAN, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2022-01-04
[86] 2020-07-03 (PCT/CN2020/100161)
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[25] EN
[54] **REDUCED MIST ALKALINE CLEANER VIA THE USE OF ALKALI SOLUBLE EMULSION POLYMERS**
[54] **AGENT DE NETTOYAGE ALCALIN A BUEE REDUITE PAR L'UTILISATION DE POLYMERES EN EMULSION SOLUBLES DANS LES ALCALIS**
[72] EMIRU, HILINA, US
[72] MAN, VICTOR FUK-PONG, US
[73] ECOLAB USA INC., US
[85] 2022-01-04
[86] 2020-07-13 (PCT/US2020/041772)
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[25] EN
[54] **SYSTEM AND METHOD FOR ENDOSCOPIC VIDEO ENHANCEMENT, QUANTITATION AND SURGICAL GUIDANCE**
[54] **SYSTEME ET PROCEDE D'AMELIORATION, DE QUANTIFICATION ET DE GUIDAGE CHIRURGICAL DE VIDEO ENDOSCOPIQUE**
[72] RAUNIYAR, NIRAJ PRASAD, US
[72] RIKER, ROBERT J., US
[72] HARRAH, TIMOTHY PAUL, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-01-13
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[25] EN
[54] **DETERMINATION OF PICTURE PARTITION MODE BASED ON BLOCK SIZE**
[54] **DETERMINATION D'UN MODE DE PARTITION D'IMAGE FONDE SUR LA TAILLE DE BLOC**
[72] DENG, ZHIPIN, CN
[72] ZHANG, LI, US
[72] ZHANG, KAI, US
[72] LIU, HONGBIN, CN
[73] BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., CN
[73] BYTEDANCE INC., US
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[86] 2020-07-27 (PCT/CN2020/104785)
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[25] EN
[54] **A METHOD AND A SYSTEM FOR ABATING H2S AND CO2 FROM H2S AND CO2 RICH GAS MIXTURES SUCH AS GEOTHERMAL NON-CONDENSABLE GAS MIXTURES**
[54] **PROCEDE ET SYSTEME DE SUPPRESSION DE H2S ET CO2 DE MELANGES DE GAZ RICHES H2S ET CO2 EN TANT QUE MELANGES DE GAZ NON-CONDENSABLES GEOTHERMIQUES**
[72] SIGFUSSON, BERGUR, IS
[72] ARNARSON, MAGNUS POR, IS
[72] GUNNARSSON, INGVI, IS
[72] GUNNARSSON, TEITUR, IS
[72] EINARSSON, JOHANN GARDAR, IS
[73] CARBFIX, IS
[85] 2022-02-22
[86] 2020-09-17 (PCT/EP2020/076005)
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[25] EN
[54] **PROBABILISTIC MODEL CALIBRATION AND ESTIMATION FOR DRILLING STEERING CONTROL**
[54] **ETALONNAGE ET ESTIMATION DE MODELE PROBABILISTE POUR COMMANDE DE DIRECTION DE FORAGE**
[72] KELLER, ALEXANDER MATHEW, US
[72] PHO, VY, US
[72] ZALLUHOGLU, UMUT, US
[72] DARBE, ROBERT P., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-02-02
[86] 2020-07-22 (PCT/US2020/043070)
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[25] EN
[54] **FAECALIBACTERIUM PRAUSNITZII STRAIN EB-FPDK11 AND USE THEREOF**
[54] **LIGNEE DE FAECALIBACTERIUM PRAUSNITZII EB-FPDK11 ET UTILISATION CONNEXE**
[72] SEO, JAE GU, KR
[72] SHIN, JOO HYUN, KR
[72] LEE, DO KYUNG, KR
[73] ENTEROBIOME INC., KR
[85] 2022-02-02
[86] 2020-06-26 (PCT/KR2020/008348)
[87] (WO2021/261632)
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[51] **Int.Cl. C25B 9/65 (2021.01) B01D 61/44 (2006.01) H02M 7/219 (2006.01)**
[25] EN
[54] **A SYSTEM AND A METHOD FOR AN ELECTROCHEMICAL PROCESS**
[54] **SYSTEME ET PROCEDE DESTINES A UN PROCESSUS ELECTROCHIMIQUE**
[72] KOPONEN, JOONAS, FI
[72] RUUSKANEN, VESA, FI
[72] KOSONEN, ANTTI, FI
[72] POLUEKTOV, ANTON, FI
[72] AHOLA, JERO, FI
[72] NIEMELA, MARKKU, FI
[73] LAPPEENRANNAN-LAHDEN TEKNILLINEN YLIOPISTO LUT, FI
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[25] EN
[54] **PREDICTIVE REFRACTORY PERFORMANCE MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DE PERFORMANCE REFRACTAIRE PREDICTIVE**
[72] RICHTER, TOMAS, US
[72] FORSTER, COREY, US
[72] ABRINO, DONALD, US
[73] HARBISONWALKER INTERNATIONAL, INC., US
[85] 2022-03-08
[86] 2020-09-16 (PCT/US2020/051033)
[87] (WO2021/061469)
[30] US (16/583,377) 2019-09-26

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[25] EN
[54] **ROTATING DISC TYPE CONTINUOUS AUTOMATED BIOLOGICAL BREEDING APPARATUS**
[54] **APPAREIL DE REPRODUCTION BIOLOGIQUE AUTOMATISE CONTINU DE TYPE A DISQUE ROTATIF**
[72] SHIH, CHENG-JEN, TW
[73] STONBO CREATIVE CO. LTD, TW
[86] (3150672)
[87] (3150672)
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[13] C
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[25] EN
[54] **RELAY RESELECTION METHOD, DEVICE, AND MEDIUM**
[54] **PROCEDE DE RESELECTION DE RELAIS, DISPOSITIF, ET SUPPORT**
[72] LIANG, JING, CN
[72] YANG, XIAODONG, CN
[73] VIVO MOBILE COMMUNICATION CO., LTD., CN
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[54] **MAST AND SUBSTRUCTURE**
[54] **MAT ET SOUS-STRUCTURE**
[72] REDDY, PADIRA, US
[72] GUPTA, ASHISH, US
[72] HAUSE, RYAN, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC., US
[86] (3151007)
[87] (3151007)
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[54] **ROUTER FABRIC**
[54] **MATRICE DE ROUTEUR**
[72] BUTTLE, KEN, US
[72] MEYER, CHARLES S., US
[73] GRASS VALLEY CANADA, CA
[86] (3152023)
[87] (3152023)
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[25] EN
[54] **4-(4-(4-OXO-3,4-DIHYDROQUINAZOLIN-2-YL) BUTYRYL) METHYLBENZOIC ACID COMPOUND FOR UP-REGULATING NEUROPEPTIDE PACAP AND RECEPTOR PAC1-R THEREOF, METHOD FOR PREPARING SAME AND USE OF SAME**
[54] **COMPOSE D'ACIDE 4-(4-(4-OXO-3,4-DIHYDROQUINAZOLINE-2-YL)BUTYRYLE)METHYLBENZOIQUE POUR UNE REGULATION CROISSANTE D'UN NEUROPEPTIDE PACAP ET D'UN RECEPTEUR PAC1-R CONNEXE, METHODE DE PREPARATION CONNEXE ET UTILISATION CONNEXE**
[72] YU, RONGJIE, CN
[73] YU, RONGJIE, CN
[73] CHEN, JIANHUAN, CN
[85] 2022-02-24
[86] 2020-05-12 (PCT/CN2020/089716)
[87] (WO2021/226814)

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[51] **Int.Cl. A61B 8/08 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **TISSUE ELASTICITY MEASUREMENT METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE MESURE D'ELASTICITE TISSULAIRE**
[72] HE, QIONG, CN
[72] SHAO, JINHUA, CN
[72] SUN, JIN, CN
[72] DUAN, HOULI, CN
[73] WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD., CN
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[54] **MODULAR HOPPER CONE**
[54] **CONE DE TREMIE MODULAIRE**
[72] BOYLE, ROBERT, CA
[73] DRYAIR MANUFACTURING CORP., CA
[86] (3153235)
[87] (3153235)
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[25] EN
[54] **PROCESS FOR FUELING OF VEHICLE TANKS WITH COMPRESSED HYDROGEN COMPRISING HEAT EXCHANGE OF THE COMPRESSED HYDROGEN WITH CHILLED AMMONIA**
[54] **PROCEDE DE RAVITAILLEMENT DE RESERVOIRS DE VEHICULES EN HYDROGENE COMPRIME COMPRENANT UN ECHANGE DE CHALEUR ENTRE L'HYDROGENE COMPRIME ET L'AMMONIAC REFRIGERE**
[72] COHEN, JOSEPH P., US
[72] WHITE, LUCAS A., US
[72] WOLF, ROBERT GREGORY, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (3153574)
[87] (3153574)
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[25] EN
[54] **BEVERAGE EXTRACTING DEVICE**
[54] **DISPOSITIF D'EXTRACTION DE BOISSON**
[72] WELGEBOREN, ADRIANUS PETRUS, NL
[72] VERHOEVEN, ROMANUS EDUARD, NL
[72] HUIBERTS, JOHANNES THEODORUS EMERENTIA, NL
[72] VAN KEULEN, JAN, NL
[73] BRAVILOR BONAMAT B.V., NL
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[87] (WO2020/190129)
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[25] EN
[54] **HEAVY EQUIPMENT HAZARD WARNING APPARATUS AND SYSTEM AND METHOD FOR USE OF SAME**
[54] **APPAREIL D'AVERTISSEMENT DE DANGER POUR EQUIPEMENT LOURD ET SYSTEME ET PROCEDE D'UTILISATION DE CELUI-CI.**
[72] WIETHORN, JIM, US
[73] WIETHORN, JIM, US
[85] 2022-03-09
[86] 2020-09-10 (PCT/US2020/050202)
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[25] EN
[54] **A HARDENED INDUCTIVE DEVICE AND SYSTEMS AND METHODS FOR PROTECTING THE INDUCTIVE DEVICE FROM CATASTROPHIC EVENTS**
[54] **DISPOSITIF INDUCTIF RENFORCE AINSI QUE SYSTEMES ET PROCEDES DE PROTECTION DU DISPOSITIF INDUCTIF CONTRE DES EVENEMENTS CATASTROPHIQUES**
[72] BLEICH, ANDREW, US
[72] FISKERUD, PETTER A., US
[72] FRIMPONG, GEORGE K., US
[72] KUPIEC, RONALD A., US
[72] LAMBERT, CLAUDE J., CA
[72] MCDONALD, THOMAS, CA
[72] MCLEISH, GARY C., CA
[72] MOUSAVI, MIRRASOUL J., US
[72] PRIETO, ALBERTO, US
[72] SCHUELER, JEREMY R., US
[72] STOUPIS, JAMES, US
[72] SULLIVAN, ELIZABETH D., US
[72] TENYENHUIS, ED G., CA
[72] WALL, ANDREW J., US
[73] HITACHI ENERGY LTD, CH
[86] (3154851)
[87] (3154851)
[22] 2015-10-22
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[25] EN
[54] **NICOTINAMIDE COMPOUND AND HERBICIDAL COMPOSITION COMPRISING COMPOUND**
[54] **COMPOSE NICOTINAMIDE ET COMPOSITION HERBICIDE LE COMPRENANT**
[72] KO, YOUNG KWAN, KR
[72] KIM, EUN AE, KR
[72] LEE, ILL YOUNG, KR
[72] LIM, HEE NAM, KR
[72] CHOI, JUNG SUB, KR
[72] SUH, JEE HEE, KR
[72] KIM, NACK JEONG, KR
[72] KOO, DONG WAN, KR
[72] KIM, HYUN JIN, KR
[72] YON, GYU HWAN, KR
[72] KIM, JAE DEOK, KR
[72] OH, SEUNGAE, KR
[72] LEE, SO-YOUNG, KR
[72] PARK, CHAN YONG, KR
[72] HWANG, YUN KYOUNG, KR
[72] AHN, BYUNG HOON, KR
[72] KIM, AH REUM, KR
[72] HAN, HYE JI, KR
[72] PARK, SUNGJUN, KR
[72] CHOI, JUNHYUK, KR
[72] LIM, JISOO, KR
[72] HONG, MI SOOK, KR
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[73] FARMHANNONG CO., LTD., KR
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[54] **APPARATUS TO FACILITATE TRANSFER OF BIOLOGICAL SPECIMENS STORED AT CRYOGENIC CONDITIONS**
[54] **APPAREIL POUR FACILITER LE TRANSFERT D'ECHANTILLONS BIOLOGIQUES STOCKES DANS DES CONDITIONS CRYOGENIQUES**
[72] BLAIR, WILLIAM ALAN, US
[72] SHARP, TIMOTHY ALAN, US
[72] GUPTA, AMIT, US
[72] GO, KATHRYN JOSPEHINE, US
[72] GARBARINI, WILLIAM NICHOLAS, US
[73] TMRW LIFE SCIENCES, INC., US
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[54] **DRIVING CONTROL STRATEGY FOR HYBRID ENERGY SYSTEM BASED ON FUEL CELL, LITHIUM BATTERY AND ELECTRIC FLYWHEEL BATTERY**
[54] **STRATEGIE DE COMMANDE D'ENTRAINEMENT POUR UN SYSTEME D'ENERGIE HYBRIDE A BASE DE PILE A COMBUSTIBLE, BATTERIE AU LITHIUM ET BATTERIE A VOLANT ELECTRIQUE**
[72] SUN, BINBIN, CN
[72] ZHANG, TIEZHU, CN
[72] LI, BO, CN
[72] GE, WENQING, CN
[72] GABER, HOSSAM ELSAYED, CN
[72] WANG, YONGJUN, CN
[72] LI, WENTAO, CN
[73] SHANDONG UNIVERSITY OF TECHNOLOGY, CN
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[54] **STATIONARY STATUS RESOLUTION SYSTEM**
[54] **SYSTEME DE RESOLUTION D'ETAT STATIONNAIRE**
[72] HELWA, MOHAMED, CA
[72] SIDDIQUI, MOHAMMAD SHARIF, CA
[72] MARIN, VERONICA, CA
[73] GROUND TRANSPORTATION SYSTEMS CANADA INC., CA
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[54] **A COLLAGEN-HYDROXYAPATITE DEVICE FOR NON-SURGICAL PERIODONTAL TREATMENT**
[54] **DISPOSITIF A BASE DE COLLAGENE-HYDROXYAPATITE POUR TRAITEMENT PARODONTAL NON CHIRURGICAL**
[72] ZUBERY, YUVAL, IL
[72] GOLDLUST, ARIE, IL
[72] BAYER, THOMAS, IL
[73] DATUM DENTAL LTD., IL
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[54] **SYSTEM FOR PRODUCING POLYOLEFIN AND PROCESS FOR RECOVERING POLYMERIZATION PRODUCT FROM GAS PHASE REACTOR**
[54] **SYSTEME DE PRODUCTION DE POLYOLEFINE ET PROCEDE DE RECUPERATION DE PRODUIT DE POLYMERISATION A PARTIR D'UN REACTEUR EN PHASE GAZEUSE**
[72] LESKINEN, PAULI, FI
[72] ELOVAINIO, ERNO, FI
[72] KIVELA, JOUNI, FI
[72] NYFORS, KLAUS, FI
[72] KOKKO, TAPIO, FI
[73] BOREALIS AG, AT
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[25] EN
[54] **SYSTEM FOR GUIDING MOTIONS OF A TARGET JOINT**
[54] **SYSTEME DE GUIDAGE DE MOUVEMENTS D'UNE ARTICULATION CIBLE**
[72] ARZANPOUR, SIAMAK, CA
[72] PARK, JUNG WOOK, CA
[72] PAGE, LIAM, CA
[72] BOURGEOIS, SHAUN PAUL, CA
[72] PEYKARI, BEHZAD, CA
[73] HUMAN IN MOTION ROBOTICS INC., CA
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[54] **A USER GENERATED VIRTUAL ROOM-BASED USER INTERFACE**
[54] **INTERFACE UTILISATEUR A BASE DE PIECE VIRTUELLE GENEREE PAR UTILISATEUR**
[72] MADONNA, ROBERT P., US
[72] SILVA, MICHAEL C., US
[72] CIPOLLO, NICHOLAS J., US
[72] HAMM, ANDREW R., US
[73] SAVANT SYSTEMS, INC., US
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[54] **HEADLESS TASK COMPLETION WITHIN DIGITAL PERSONAL ASSISTANTS**
[54] **REALISATION D'UNE TACHE SANS ECRAN DANS DES ASSISTANTS PERSONNELS NUMERIQUES**
[72] KANNAN, VISHWAC SENA, US
[72] UZELAC, ALEKSANDAR, US
[72] HWANG, DANIEL J., US
[72] CHAMBERS, ROBERT L., US
[72] SOEMO, THOMAS, US
[72] TRUFINESCU, ADINA MAGDALENA, US
[72] SHAHID, KHURAM, US
[72] EMAMI, ALI, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **METHODS AND COMPOSITIONS FOR DIAGNOSIS AND PROGNOSIS OF RENAL INJURY AND RENAL FAILURE**
[54] **METHODE DE DETERMINATION D'UNE VALEUR DE CARACTERISTIQUE IMPORTANTE DE CORPS METALLIQUES MAGNETISABLES AU MOYEN D'UN ASSEMBLAGE DE CAPTEUR MICROMAGNETIQUE, ET ASSEMBLAGE CONNEXE**
[72] ANDERBERG, JOSEPH, US
[72] GRAY, JEFF, US
[72] MCPHERSON, PAUL, US
[72] NAKAMURA, KEVIN, US
[72] KAMPF, JAMES PATRICK, US
[73] ASTUTE MEDICAL, INC., US
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[54] **TISSUE HOLDER ASSEMBLY AND COMPONENTS THEREOF**
[54] **ENSEMBLE PORTE-TISSU BIOLOGIQUE ET COMPOSANTS ASSOCIES**
[72] STANGO, TIM, US
[73] HOLOGIC, INC., US
[85] 2022-04-25
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[54] **CRYSTALLINE FORM OF ACETYLCHOLINESTERASE INHIBITOR AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **FORME CRISTALLINE D'INHIBITEUR DE L'ACETYLCHOLINESTERASE ET SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] LIU, HONG, CN
[72] ZHOU, YU, CN
[72] ZHANG, HAIYAN, CN
[72] FU, YAN, CN
[72] LI, JIAN, CN
[72] JIANG, HUALIANG, CN
[72] TANG, XICAN, CN
[72] CHEN, KAIXIAN, CN
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[73] JIANGSU KANION PHARMACEUTICAL CO., LTD., CN
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[54] **ACTUATED FISHING LURE**
[54] **LEURRE DE PECHE ACTIONNE**
[72] SAVOIE-LAVIGUEUR, GUILLAUME, CA
[73] SAVOIE-LAVIGUEUR, GUILLAUME, CA
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[54] **STIMULATION FLUIDS CONTAINING METAL SILICATES**
[54] **FLUIDES DE STIMULATION CONTENANT DES SILICATES METALLIQUES**
[72] KHAMATNUROVA, TATYANA, US
[72] NGUYEN, PHILIP, US
[72] MONTALVO, JANETTE CORTEZ, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[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
[73] DOW SILICONES CORPORATION, US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **METHOD FOR PREPARING ISAVUCONAZONIUM SULFATE**
[54] **PROCEDE DE PREPARATION DE SULFATE D'ISAVUCONAZONIUM**
[72] AN, XIAOXIA, CN
[72] ZHAO, NAN, CN
[72] JIN, JIAYU, CN
[72] HU, JINGYU, CN
[72] HU, WENJUN, CN
[72] WEI, JUNJIE, CN
[72] LI, MENGLONG, CN
[73] SHANGHAI DESANO BIO-PHARMACEUTICAL CO., LTD., CN
[73] SHANGHAI DESANO CHEMICAL PHARMACEUTICAL CO., LTD., CN
[73] SHANGHAI DESANO PHARMACEUTICALS CO., LTD., CN
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[54] **MATERIAU DE TOLE A BRASAGE D'ALUMINIUM MULTICOUCHE**
[72] JACOBY, BERND, DE
[72] RITZ, FABIAN, DE
[72] KIRKHAM, STEVEN, DE
[73] NOVELIS KOBLENZ GMBH, DE
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[54] **ON DEMAND KIT FOR CUSTOMIZABLE CEMENTITIOUS COMPOSITIONS**
[54] **TROUSSE SUR DEMANDE POUR DES COMPOSITIONS CIMENTAIRES PERSONNALISEES**
[72] STRUBLE, KIM, US
[72] DEVALAPURA, RAVI, US
[72] CALAUTTI, KENNETH, US
[73] SIKA TECHNOLOGY AG, CH
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[54] **SESSION MANAGEMENT FUNCTION REGISTRATION AND DEREGISTRATION**
[54] **ENREGISTREMENT ET DESENREGISTREMENT DE FONCTION DE GESTION DE SESSION**
[72] ZHU, JINGUO, CN
[72] LI, ZHIJUN, CN
[72] ZHOU, XINGYUE, CN
[72] SO, TRICCI, CN
[73] ZTE CORPORATION, CN
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[25] EN
[54] **DEVICE FOR TREATMENT OF LIQUIDS AND THE METHOD OF TREATMENT OF LIQUIDS WITH USE OF THIS DEVICE**
[54] **DISPOSITIF DE TRAITEMENT DE LIQUIDES ET PROCEDE DE TRAITEMENT DE LIQUIDES UTILISANT CE DISPOSITIF**
[72] RUDOLF, PAVEL, CZ
[72] POCHYLY, FRANTISEK, CZ
[72] STAHEL, PAVEL, CZ
[72] RAHEL, JOZEF, CZ
[72] CECH, JAN, CZ
[72] MARSALEK, BLAHOSLAV, CZ
[73] VYSOKE UCENI TECHNICKE V BRNE, CZ
[73] MASARYKOVA UNIVERZITA, CZ
[73] BOTANICKY USTAV AV CR V.V.I., CZ
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[30] CZ (PV 2019-772) 2019-12-13

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[54] **METHOD AND SYSTEM FOR PROCESSING HIGH-GRAVITY BEER INTO SPIRITS**
[54] **PROCEDE ET SYSTEME POUR LE TRAITEMENT DE LA BIERE A HAUTE DENSITE EN SPIRITUEUX**
[72] HAVEL, FREDERIK, CA
[72] GRIFFITHS, LEE ARTHUR, GB
[73] PORIFERA INC., US
[85] 2022-07-14
[86] 2020-12-31 (PCT/US2020/067617)
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[54] **IODINE COMPOUNDS FOR TREATING RESPIRATORY PATHOGENS**
[54] **COMPOSES IODE POUR LE TRAITEMENT DE PATHOGENES RESPIRATOIRES**
[72] FARB, MARK DANIEL, US
[73] IOCURE, INC., US
[85] 2022-07-28
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[25] EN
[54] **SURFACTANTS FOR HEALTHCARE PRODUCTS**
[54] **TENSIOACTIFS POUR PRODUITS DE SOINS DE SANTE**
[72] ASIRVATHAM, EDWARD, US
[73] ADVANSIX RESINS & CHEMICALS LLC, US
[85] 2022-08-30
[86] 2021-03-09 (PCT/US2021/021596)
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[54] **SYSTEME DE LEVAGE DE GAZ HYBRIDE**
[72] SHAW, JOEL DAVID, US
[73] SILVERWELL TECHNOLOGY LIMITED, GB
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[86] 2021-02-10 (PCT/GB2021/050307)
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[54] **SYSTEMES, PROCEDE ET APPAREIL DE MESURE PENDANT LE FORAGE**
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] WEST, KURTIS, CA
[72] LIU, JILI (JERRY), CA
[72] BUTERNOWSKY, BARRY D., CA
[73] EVOLUTION ENGINEERING INC., CA
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[54] **SEMI-TRANSPARENT DETECTOR ARRAY FOR AUTO-FOCUSED NIGHTVISION SYSTEMS**
[54] **RESEAU DE DETECTEURS SEMI-TRANSPARENTS POUR DES SYSTEMES DE VISION NOCTURNE A MISE AU POINT AUTOMATIQUE**
[72] LEBEAU, JAMES A., US
[72] BECKER, JACOB J., US
[72] BURNSED, JON D., US
[73] L3HARRIS TECHNOLOGIES, INC., US
[86] (3171345)
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[54] **SNOWMOBILE**
[54] **MOTONEIGE**
[72] RIPLEY, ANTHONY J., US
[72] SAMPSON, MARTIN ELLIOTT, US
[72] CONN, JEFFREY DENZEL, US
[72] WILSON, LUC, US
[72] EATON, JEFFREY A., US
[72] DAHLGREN, LYLE J., US
[72] FISHER, CAMERON D., US
[72] GLISSMEYER, BRANDON D., US
[72] SWEERE, MATTHEW M., US
[73] POLARIS INDUSTRIES INC., US
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[25] EN
[54] **SYSTEMIC FORMULATION OF A PYRIDINONE DERIVATE FOR TG2-RELATED DISEASES**
[54] **FORMULATION SYSTEMIQUE D'UN DERIVE DE PYRIDINONE POUR DES MALADIES ASSOCIEES A LA TG2**
[72] GREINWALD, ROLAND, DE
[72] HILS, MARTIN, DE
[72] MOHR, WOLFGANG, DE
[72] PASTERNACK, RALF, DE
[72] TEWES, BERNHARD, DE
[72] WILHELM, RUDOLF, DE
[73] DR. FALK PHARMA GMBH, DE
[73] ZEDIRA GMBH, DE
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[54] **APPARATUS AND METHOD FOR SPRAY DRYING**
[54] **APPAREIL ET PROCEDE DE SECHAGE PAR PULVERISATION**
[72] ACKERMAN, THOMAS E., US
[72] BARNES, CHRISTOPHER W., US
[72] BRIGHT, ADAM C., US
[72] HUFFMAN, DAVID C., US
[72] KOCSIS, SCOTT J., US
[72] ROSKOS, KRISTOPHER E., US
[72] ST. PETER, GLENN R., US
[72] SMITH, BRIAN K., US
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[72] AZANA, JOSE, CA
[72] MARAM, REZA, CA
[72] TOSI, MAURICIO, CA
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[54] **METHODE DE SELECTION DES CANAUX FONCTIONNELS DANS UN RESEAU DE COMMUNICATION, ET RESEAU DE COMMUNICATION INTEGRANT LA METHODE**
[72] LALAM, MASSINISSA, FR
[72] ALARCON, LAURENT, FR
[72] FAYE, STANISLAS, FR
[73] SAGEMCOM BROADBAND SAS, FR
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[54] **NITROGEN-ENHANCED YEAST-BASED FERTILIZER**
[54] **ENGRAIS A BASE DE LEVURE ENRICHI D'AZOTE**
[72] O'FARRELL, CORYNNE, CA
[72] TANUGULA, SHRAVAN, CA
[72] ENRIQUEZ, ALEJANDRA, CA
[72] WEISSENBERGER, MARKUS, CA
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[54] **CHARIOT DE COLLECTE ET DE TRANSPORT DE DEBRIS ET METHODE D'UTILISATION**
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[72] BURNS, ALLEN T., US
[73] RICHARD S. BURNS CO., INC., US
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[54] **CHAUSSURE A ENTREE FACILE DOTEE D'UNE PARTIE ARRIERE FLEXIBLE A RESSORT**
[72] BAR, AHARON, US
[73] ORTHOFEET, INC., US
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[54] **SONDE D'ARN POUR PROFILAGE DE MUTATION ET SON UTILISATION**
[72] KOMATSU, RICHARD KAORU, JP
[72] URTEL, GEORG CHRISTIAN, JP
[72] EDELEVA, EVGENIIA, JP
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[54] **BLOC-BATTERIE AMOVIBLE POUR UN VEHICULE ELECTRIQUE**
[72] BOE, THOMAS CEDRIC, US
[72] KOOISTRA, ZACH, US
[72] BOE, KYLE, US
[72] ZWART, TERRY, US
[72] MACUCH, LOUIS, US
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[54] **MEMBRANES COMPOSITES D'OXYDE DE GRAPHENE**
[72] GRISHKEWICH, NATHAN JULIUS, CA
[72] CHEKINI, MAHSHID, CA
[72] ALIKIOTIS, PERIKLIS DIMITRIOS, CA
[72] CANCELLARA, CECILIA NATALINA, CA
[72] POPE, MICHAEL ALLAN, CA
[73] EVERCLOAK INC., CA
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[54] **DEVICE FOR DISCHARGING MUSHROOMS FROM A CONVEYOR**
[54] **DISPOSITIF DE DECHARGEMENT DE CHAMPIGNONS D'UN CONVOYEUR**
[72] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[72] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
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[54] **GAS METER AND ASSOCIATED METHODS**
[54] **COMPTEUR DE GAZ ET PROCEDES ASSOCIES**
[72] LAYHER, ROBERT WAYNE, CA
[72] LAYHER, DEANNE ROSE, CA
[72] LAYHER, SCOTT ROBERT, CA
[73] VENTBUSTER HOLDINGS INC., CA
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[54] **INHIBITEUR DE PROTEINE D'ACTIVATION DE FIBROBLASTE MODIFIE PAR UN BLEU D'EVANS TRONQUE, METHODE DE PREPARATION ET APPLICATION CONNEXE**
[72] CHEN, XIAOYUAN, CN
[72] XU, PENGFEI, CN
[72] GUO, ZHIDE, CN
[72] WU, XIAOMING, CN
[72] YANG, QINGBAO, CN
[72] HE, TIAN, CN
[73] YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD., CN
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[54] **SYSTEM AND METHOD FOR SMART MATERIAL MONITORING**
[54] **SYSTEME ET PROCEDE PERMETTANT UNE SURVEILLANCE INTELLIGENTE D'UN MATERIAU**
[72] AGOSTINELLI, GREGORY A., CA
[72] HANNA, STEVEN NASHED, US
[72] MIREL, IONUT ALEXANDRU, CA
[73] IDEACURIA INC., CA
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[54] **STAGED MULTI-CLUSTER FRACTURING SLIDING SLEEVE SYSTEM BASED ON SMART KEY LABEL**
[54] **SYSTEME ET PROCEDE DE MANCHONS COULISSANTS INTELLIGENTS DE FRACTURATION A GRAPPES MULTIPLES ET ETAGES MULTIPLES BASES SUR UNE ETIQUETTE DE CLE INTELLIGENTE**
[72] SONG, WENPING, CN
[72] YU, JIUZHENG, CN
[72] SUN, QIAO, CN
[72] ZHANG, DUOLI, CN
[72] MA, TAO, CN
[72] ZHANG, JIAQING, CN
[72] YU, HAO, CN
[72] LI, PENGYU, CN
[72] LIU, WEI, CN
[73] NINGBO HUAAO INTELLIGENT EQUIPMENT CO., LTD, CN
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[54] **CONTRE-MESURES CONTRE L'ALTERATION ET LA COPIE DE DOCUMENTS A L'AIDE D'UN REVETEMENT A GRATTER**
[72] BRANDIMORE, JOSEPH, US
[72] IRWIN, KENNETH E., JR., US
[72] PETTIS, AMY KATHLEEN, US
[73] IGT GLOBAL SOLUTIONS CORPORATION, US
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[25] FR
[54] **ELECTRODE MATERIALS IN THE FORM OF LITHIUM-BASED ALLOY AND METHODS FOR MANUFACTURING SAME**
[54] **MATERIAUX D'ELECTRODE SOUS FORME D'ALLIAGE A BASE DE LITHIUM ET LEURS PROCEDES DE FABRICATION**
[72] ZAGHIB, KARIM, CA
[72] ARMAND, MICHEL, FR
[72] BOUCHARD, PATRICK, CA
[72] VERREAULT, SERGE, CA
[72] TURCOTTE, NANCY, CA
[72] LEBLANC, DOMINIC, CA
[72] AMOUZEGAR, KAMYAB, CA
[73] HYDRO-QUEBEC, CA
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[72] RAMSEY, MARK C., US
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[25] EN
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[54] **DISPOSITIF D~ENTRAINEMENT AU SUCRAGE CORPOREL**
[72] HERLE, CARALEE, CA
[71] HERLE, CARALEE, CA
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[25] EN
[54] **PORTABLE WHEEL WEIGHT TRANSFER HORSEPOWER GENERATING SYSTEM**
[54] **SYSTEME PORTATIF DE GENERATION DE CHEVAUX-VAPEUR PAR TRANSFERT DE MASSE D'EQUILIBRAGE**
[72] FROESE, ANDREAS, CA
[71] FROESE, ANDREAS, CA
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[25] EN
[54] **A PROCESS FOR PRODUCING ENTERTAINMENT BY USING SELECTED PERSONAL DIGITAL PHOTOGRAPHIC FACIAL IMAGES OF BOOK READERS AS THE FACES OF FICTIONAL CHARACTERS WITHIN A BOOK**
[54] **PROCEDE DE PRODUCTION DE DIVERTISSEMENT AU MOYEN D~IMAGES PHOTOGRAPHIQUES NUMERIQUES PERSONNELLES DU VISAGE DE LECTEURS POUR LE VISAGE DE PERSONNAGES DANS UN LIVRE**
[72] STREM, SUSAN, CA
[71] STREM, SUSAN, CA
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[51] **Int.Cl. A63F 3/00 (2006.01)**
[25] EN
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[54] **PROCEDE DE PRODUCTION DE DIVERTISSEMENT AU MOYEN D~IMAGES PHOTOGRAPHIQUES NUMERIQUES PERSONNELLES DU VISAGE DE JOUEURS DE JEUX DE ROLE POUR LE VISAGE DE PERSONNAGES DANS UN JEU DE ROLE**
[72] STREM, SUSAN, CA
[71] STREM, SUSAN, CA
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[25] EN
[54] **MICROFLUIDICS-BASED SECURITY FEATURE, AND ITS PRODUCTION AND USE FOR IDENTIFICATION DOCUMENTS**
[54] **DISPOSITIF DE SECURITE A BASE MICROFLUIDIQUE ET PRODUCTION ET UTILISATION DANS LES DOCUMENTS D~IDENTIFICATION**
[72] NYSTEDT, ADRIANNA, CA
[72] BRANDAO, MARIETTE SUELI BAGGIO, CA
[72] THURAILINGAM, THIVAHARAN, CA
[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA
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[51] **Int.Cl. B60J 1/20 (2006.01)**
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[54] **APPAREIL D~ECRAN DE FENETRE DE VEHICULE**
[72] MACSWAIN, JOSEPH, CA
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[54] **OUTIL POLYVALENT A COUPER LE METAL POUR LES SYSTEMES CVC**
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[54] **SYSTEME DE GENERATION DE PUISSANCE SOLAIRE**
[72] CHANG, LIN-HUNG, TW
[71] SEASON ENERGY TECHNOLOGY CO., LTD., TW
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[54] **VAPORISATEUR PNEUMATIQUE A VOIES PARALLELES SEMI-CONCENTRIQUES AMELIOREES**
[72] BURGENER, JOHN A., CA
[72] BURGENER, MIRAH J., CA
[71] BURGENER, JOHN A., CA
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[54] **SYSTEM AND METHOD FOR VALIDATING A PRICE CALCULATION**
[54] **SYSTEME ET METHODE POUR VALIDER UN CALCUL DE PRIX**
[72] FAROOQ, ZEESHAN, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **NOVEL INTERNAL PRESSURE MONITORING SYSTEM FOR PIPES**
[54] **NOUVEAU SYSTEME DE SURVEILLANCE DE PRESSION INTERIEURE POUR LES TUYAUX**
[72] SEMINARA, ANGELO, CA
[71] SEMINARA, ANGELO, CA
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[54] **METHOD AND APPARATUS FOR REDUCING SOLAR CELL DEGRADATION**
[54] **METHODE ET APPAREIL POUR REDUIRE LA DETERIORATION DE PILES SOLAIRES**
[72] ALEM, SALIMA, CA
[72] TAO, YE, CA
[72] LU, JIANPING, CA
[72] AICH, BADROU REDA, CA
[72] GRADDAGE, NEIL, CA
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[54] **COMMUNICATIONS MODULE FOR SURVEY TOOL**
[54] **MODULE DE COMMUNICATION POUR OUTIL DE SONDAGE**
[72] PELL, CHRISTOPHER, US
[71] IMDEX TECHNOLOGIES PTY LTD, AU
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[51] **Int.Cl. G01J 11/00 (2006.01)**
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[54] **SYSTEM AND METHOD FOR DETERMINING A MODAL PROPERTY OF A QUANTUM STATE USING TWO-TIME CORRELATION MEASUREMENTS**
[54] **SYSTEME ET METHODE POUR DETERMINER UNE CARACTERISTIQUE MODALE D~UN ETAT QUANTIQUE A L~AIDE DE MESURES DE CORRELATION EN DEUX TEMPS**
[72] TREMBLAY, JEAN-ETIENNE, CA
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[25] EN
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[54] **CONCOMBRE DE VARIETE NUN 13010 CUL**
[72] SWINKELS, ROBERT, NL
[71] NUNHEMS B.V., NL
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[25] EN
[54] **CUCUMBER VARIETY NUN 13088 CUL**
[54] **CONCOMBRE DE VARIETE NUN 13088 CUL**
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[54] **CROCHET A GRAND VOLUME**
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[71] STOLTZ, BENJAMIN, CA
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[13] A1
[51] **Int.Cl. G06F 17/16 (2006.01)**
[25] EN
[54] **METHOD FOR EFFICIENTLY SOLVING COMPUTATIONAL PROBLEMS**
[54] **PROCEDE DE RESOLUTION EFFICACE DE PROBLEMES DE CALCUL**
[72] GILLIS, JOHN ARCHIE, CA
[71] GILLIS, JOHN ARCHIE, CA
[22] 2022-11-25
[41] 2024-05-25

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[21] **3,184,864**
[13] A1
[51] **Int.Cl. G06Q 40/12 (2023.01) G06Q 10/0639 (2023.01)**
[25] EN
[54] **METHODS AND SYSTEMS OF PROVIDING A VALUATION FOR BUSINESSES**
[54] **METHODES ET SYSTEMES D~EVALUATION D~ENTREPRISES**
[72] BABYEV,, DMYTRO, UA
[72] GARGADZE, TATIANA, GE
[71] UPSWOT, INC., US
[22] 2022-11-23
[41] 2024-05-22
[30] US (17/991,876) 2022-11-22

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[21] **3,189,005**
[13] A1
[51] **Int.Cl. B01D 17/05 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **DEMULSIFICATION ENHANCER, PREPARATION METHOD AND APPLICATION THEREOF**
[54] **AMPLIFICATEUR DE RUPTURE D'EMULSION, METHODE DE PREPARATION ET APPLICATION CONNEXE**
[72] CHANG, ZHIHUI, CN
[71] CHANG, ZHIHUI, CN
[22] 2023-02-08
[41] 2024-05-22
[30] CN (202211466239.9) 2022-11-22

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[21] **3,193,780**
[13] A1
[51] **Int.Cl. F16H 35/00 (2006.01) F16H 37/04 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSMISSION**
[72] FROESE, ANDREAS, CA
[71] FROESE, ANDREAS, CA
[22] 2023-03-22
[41] 2024-05-24
[30] CA (3182385) 2022-11-24

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[21] **3,194,931**
[13] A1
[51] **Int.Cl. G01P 13/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE SPHERICAL MOTION SENSOR HOUSING FOR OUTDOOR SECURITY LIGHT**
[54] **LOGEMENT DE CAPTEUR DE MOUVEMENT SPHERIQUE AJUSTABLE POUR LAMPE DE SECURITE EXTERIEURE**
[72] MCDONALD, MILES WILLIAM, US
[72] DIXIT, KUSHAGRA, US
[72] TYLICKI, SCOTT BLAISE, US
[72] PAREDES, APOLLO PAUL, US
[72] LUU, LIONEL V., US
[72] DEATON, JOHN COLVIN, US
[71] HEATHCO LLC, US
[22] 2023-04-03
[41] 2024-05-21
[30] US (18/057,730) 2022-11-21

[21] **3,197,419**
[13] A1
[51] **Int.Cl. E04B 1/66 (2006.01) E04B 2/88 (2006.01) E04F 13/076 (2006.01)**
[25] EN
[54] **WALL PANEL AND METHOD FOR CONSTRUCTING A WALL**
[54] **PANNEAU MURAL ET PROCEDE DE CONSTRUCTION D'UN MUR**
[72] WEISGERBER, TYLER, CA
[72] KENT, TREVOR, CA
[71] 1947742 ALBERTA LTD., CA
[22] 2023-04-19
[41] 2024-05-22
[30] US (63/384,730) 2022-11-22

[21] **3,198,074**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61B 50/33 (2016.01) A61B 5/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **MULTIPLE TEST APPLICATOR**
[54] **APPLICATEUR D~ESSAIS MULTIPLES**
[72] PRINCE, TY L., US
[71] PRINCE, TY L., US
[22] 2023-04-27
[41] 2024-05-22
[30] US (17/992,125) 2022-11-22

[21] **3,199,090**
[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01)**
[25] EN
[54] **TATTOO MACHINE WITH MAGNETIC AND FRICTION POWER SOURCE CONNECTOR**
[54] **MACHINE A TATOUER COMPRENANT UN CONNECTEUR DE SOURCE D'ALIMENTATION A RACCORD MAGNETIQUE ET PAR FROTTEMENT**
[72] PARCON, JADEANNE, US
[72] AGUIAR, RODNEY, US
[72] VESCOVI, FRANCO, US
[71] BISHOP TATTOO SUPPLY, INC., US
[22] 2023-05-05
[41] 2024-05-22
[30] US (18/304,751) 2023-04-21
[30] US (63/384,661) 2022-11-22

[21] **3,208,793**
[13] A1
[51] **Int.Cl. B64C 13/28 (2006.01) F16D 7/02 (2006.01) F16D 43/21 (2006.01)**
[25] EN
[54] **TORQUE TRANSMISSION DEVICE**
[54] **DISPOSITIF DE TRANSMISSION DE COUPLE**
[72] POTIER, KARL, FR
[72] MEDINA, RAPHAEL, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2023-08-09
[41] 2024-05-23
[30] EP (22209115.9) 2022-11-23

[21] **3,210,117**
[13] A1
[51] **Int.Cl. H02K 21/02 (2006.01) H02K 15/00 (2006.01) H02M 7/5387 (2007.01) H02P 27/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRE-POSITIONING ROTOR OF OUTDOOR FAN IN HIGH-SPEED COUNTER-ROTATION STATE BEFORE OPERATION**
[54] **METHODE DE POSITIONNEMENT PREALABLE D~UN ROTOR D~UNE SOUFFLANTE EXTERIEURE DANS UN ETAT CONTRAROTATIF HAUTE VITESSE AVANT L~EXPLOITATION**
[72] YANG, FEI, CN
[72] WANG, MIN, CN
[72] LUO, SONG, CN
[72] LI, CHAO, CN
[71] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD, CN
[22] 2023-08-24
[41] 2024-05-24
[30] CN (202211478597.1) 2022-11-24

[21] **3,210,164**
[13] A1
[51] **Int.Cl. H02K 1/2786 (2022.01) H02K 21/22 (2006.01)**
[25] EN
[54] **OUTER ROTOR OF PERMANENT MAGNET ASSISTED SYNCHRONOUS RELUCTANCE MOTOR AND PERMANENT MAGNET SYNCHRONOUS MOTOR COMPRISING THE SAME**
[54] **ROTOR EXTERIEUR D~UN MOTEUR A RELUCTANCE SYNCHRONE ASSISTE PAR UN AIMANT PERMANENT ET MOTEUR CONNEXE COMPRENANT LEDIT ROTOR**
[72] WANG, MIN, CN
[71] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD, CN
[22] 2023-08-24
[41] 2024-05-23
[30] CN (202211469748.7) 2022-11-23

[21] **3,210,212**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **CUCUMBER VARIETY NUN 13010 CUL**
[54] **CONCOMBRE DE VARIETE NUN 13010 CUL**
[72] SWINKELS, ROBERT, NL
[71] NUNHEMS B.V., NL
[22] 2023-08-25
[41] 2024-05-24
[30] CA (3.182.927) 2022-11-24

[21] **3,210,519**
[13] A1
[51] **Int.Cl. G01N 27/22 (2006.01) G01D 21/02 (2006.01) G01F 1/66 (2022.01)**
[25] EN
[54] **CAPACITIVE ELECTRICAL CONDUCTIVITY SENSOR INTEGRATED IN A WATER METER**
[54] **CAPTEUR DE CONDUCTIVITE ELECTRIQUE CAPACITIF INTEGRE DANS UN COMPTEUR D'EAU**
[72] VAGO, STEPHANE, US
[72] CARRE, PATRICE, US
[72] PASTOR, GREGORY, US
[72] MOSSER, VINCENT, US
[71] ITRON, INC., US
[22] 2023-08-29
[41] 2024-05-23
[30] US (17/993809) 2022-11-23

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[21] **3,211,936**
[13] A1
[51] **Int.Cl. F16H 3/44 (2006.01) B64C 13/34 (2006.01) F16H 1/28 (2006.01) F16H 57/08 (2006.01)**
[25] EN
[54] **GEAR DEVICE**
[54] **DISPOSITIF DE TRAIN**
[72] SERRAND, MAXIME, FR
[72] POTIER, KARL, FR
[71] GOODRICH ACTUATION SYSTEMS SAS, FR
[22] 2023-09-11
[41] 2024-05-23
[30] EP (22306724.0) 2022-11-23

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[21] **3,213,529**
[13] A1
[51] **Int.Cl. F02G 5/02 (2006.01) F01N 5/02 (2006.01) F02B 1/12 (2006.01) F02B 1/14 (2006.01) F02B 41/00 (2006.01) F02B 43/04 (2006.01) F02C 5/00 (2006.01) F02K 3/08 (2006.01) F02M 31/04 (2006.01) F23R 7/00 (2006.01)**
[25] EN
[54] **AIRCRAFT POWER PLANT WITH INTERBURNER**
[54] **GROUPE MOTOPROPULSEUR D~AERONEF COMPRENANT UN BRULEUR INTERMEDIAIRE**
[72] PLAMONDON, ETIENNE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-09-21
[41] 2024-05-24
[30] US (18/058,755) 2022-11-24

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[21] **3,213,933**
[13] A1
[51] **Int.Cl. A62D 1/06 (2006.01) A62C 3/08 (2006.01)**
[25] EN
[54] **SOLID-STATE FIRE SUPRESSION**
[54] **EXTINCTION D'INCENDIE A L~ETAT SOLIDE**
[72] PAPAS, PAUL, US
[72] CHATTAWAY, ADAM, GB
[72] ANGLE, JEFFREY, US
[72] BALLARD, LLOYD, US
[71] KIDDE TECHNOLOGIES INC., US
[22] 2023-09-22
[41] 2024-05-22
[30] US (17/992,585) 2022-11-22

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[21] **3,214,684**
[13] A1
[51] **Int.Cl. B64C 13/18 (2006.01) B64C 13/14 (2006.01) G05D 1/00 (2024.01)**
[25] EN
[54] **CONTROL UNIT RESISTIVE AND LOCKING SYSTEM**
[54] **SYSTEME DE RESISTANCE ET DE VERROUILLAGE POUR UNE UNITE DE COMMANDE**
[72] PICARD, PIERRE-ALEX, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2023-09-28
[41] 2024-05-22
[30] EP (22306716.6) 2022-11-22

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[21] **3,215,811**
[13] A1
[51] **Int.Cl. G01R 15/12 (2006.01) H04L 69/324 (2022.01) H04L 12/413 (2006.01)**
[25] EN
[54] **MULTI-PORT MULTI-FUNCTION ENERGY METER**
[54] **COMPTEUR D~ENERGIE POLYVALENT A PORTS MULTIPLES**
[72] PRZYDATEK, PIOTR BOLESLAW, US
[72] HARDING, STEWART JOHN, US
[72] RICCI, MARC ALAN, US
[71] SCHNEIDER ELECTRIC USA, INC., US
[22] 2023-10-10
[41] 2024-05-23
[30] US (18/058,460) 2022-11-23

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[21] **3,216,520**
[13] A1
[51] **Int.Cl. F23D 14/62 (2006.01) F23D 14/02 (2006.01)**
[25] EN
[54] **BURNER WITH INTEGRAL MIXER**
[54] **BRULEUR COMPRENANT UN MELANGEUR INTEGRE**
[72] O'DONNELL, MICHAEL J., US
[71] BECKETT THERMAL SOLUTIONS, US
[22] 2023-10-13
[41] 2024-05-23
[30] US (63/384,781) 2022-11-23

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[21] **3,216,558**
[13] A1
[51] **Int.Cl. B01D 45/08 (2006.01) F02M 35/022 (2006.01)**
[25] EN
[54] **INERTIAL SEPARATOR AND METHOD OF USE**
[54] **SEPARATEUR INERTIEL ET METHODE D~UTILISATION**
[72] FERNANDES, LUIZ CLAUDIO VIEIRA, US
[72] LIU, JIANXIAO, US
[71] PALL CORPORATION, US
[22] 2023-10-16
[41] 2024-05-21
[30] US (17/990,986) 2022-11-21

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[21] **3,216,612**
[13] A1
[51] **Int.Cl. B01D 45/08 (2006.01) F02M 35/022 (2006.01)**
[25] EN
[54] **INERTIAL SEPARATOR AND METHOD OF USE**
[54] **SEPARATEUR INERTIEL ET METHODE D~UTILISATION**
[72] FERNANDES, LUIZ CLAUDIO VIEIRA, US
[72] LIU, JIANXIAO, US
[71] PALL CORPORATION, US
[22] 2023-10-16
[41] 2024-05-21
[30] US (17/990,969) 2022-11-21

[21] **3,217,666**
[13] A1
[51] **Int.Cl. E21B 27/00 (2006.01) B01D 29/00 (2006.01) E03C 1/26 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR AUTOMATIC DRILL OUT**
[54] **METHODE ET APPAREIL POUR LE REFORAGE AUTOMATIQUE**
[72] GARCIA SOULE, VIRGILIO, US
[72] WATSON, JAMES MATTHEW, US
[72] MITCHELL, BRANDON SCOTT, US
[72] BAHRT, TRAVIS MARTIN, US
[71] TETRA TECHNOLOGIES, INC., US
[22] 2023-10-24
[41] 2024-05-21
[30] US (63/426,923) 2022-11-21

[21] **3,217,712**
[13] A1
[51] **Int.Cl. F16L 43/00 (2006.01)**
[25] EN
[54] **PIPES**
[54] **TUYAUX**
[72] FINNEY, ROBERT EDWIN, GB
[72] BREMNER-STOKES, CHRISTOPHER JOHN, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2023-10-25
[41] 2024-05-22
[30] EP (22275147.1) 2022-11-22

[21] **3,217,938**
[13] A1
[51] **Int.Cl. C25D 21/12 (2006.01) C25D 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ELECTROFORMING A COMPONENT**
[54] **SYSTEME ET METHODE D~ELECTROFORMAGE D~UN COMPOSANT**
[72] KUO, PEI-HSIN, US
[72] NIETERS, EDWARD JAMES, US
[71] UNISON INDUSTRIES, LLC, US
[22] 2023-10-27
[41] 2024-05-21
[30] US (17/991,349) 2022-11-21

[21] **3,217,957**
[13] A1
[51] **Int.Cl. A62C 3/16 (2006.01) H01M 10/613 (2014.01) H01M 10/6567 (2014.01) H01M 50/383 (2021.01) H01M 50/609 (2021.01) A62C 35/11 (2006.01) A62C 35/13 (2006.01) A62C 37/08 (2006.01)**
[25] EN
[54] **A FIRE EXTINGUISHING SYSTEM AND A FIRE PRE-WARNING CONTROL METHOD FOR AN ENERGY STORAGE CONTAINER**
[54] **SYSTEME D'EXTINCTION D'INCENDIE ET METHODE DE CONTROLE DE PREAVERTISSEMENT D~INCENDIE POUR UN CONTENANT DE STOCKAGE D~ENERGIE**
[72] PENG, JIANHUA, CN
[72] WU, XIBIN, CN
[72] BU, XIANGNAN, CN
[72] JIANG, YUANFU, CN
[72] ZHOU, LEIJUN, CN
[71] CORNEX NEW ENERGY CO., LTD., CN
[22] 2023-10-28
[41] 2024-05-21
[30] CN (202211463245.9) 2022-11-21

[21] **3,218,490**
[13] A1
[51] **Int.Cl. A63B 60/12 (2015.01) A63B 60/14 (2015.01)**
[25] EN
[54] **GOLF PUTTER GRIP**
[54] **POIGNEE DE POTTEUR DE GOLF**
[72] VERGARA, DAVID, US
[71] SSG INTERNATIONAL, LLC, US
[22] 2023-11-01
[41] 2024-05-21
[30] US (17/991,041) 2022-11-21

[21] **3,218,796**
[13] A1
[51] **Int.Cl. B29C 70/28 (2006.01)**
[25] EN
[54] **METHOD FOR INTEGRATING A STIFFENER INTO A THERMOPLASTIC MATRIX COMPOSITE PART**
[54] **METHODE D~INTEGRATION D~UN RAIDISSEUR DANS UNE PIECE COMPOSITE A MATRICE DE THERMOPLASTIQUE**
[72] LEMOINE, IVAIN, FR
[72] VAUDOUR, JULIE, FR
[71] DAHER AEROSPACE, FR
[22] 2023-11-03
[41] 2024-05-23
[30] FR (FR2212239) 2022-11-23

[21] **3,218,970**
[13] A1
[51] **Int.Cl. F24F 13/08 (2006.01) B60H 1/00 (2006.01)**
[25] EN
[54] **INTERCHANGEABLE DUCT SEAL**
[54] **JOINT D~ETANCHEITE INTERCHANGEABLE POUR CONDUITE**
[72] MCCARTHY, RACHAL, US
[72] RAEBURN, SAREK, US
[72] RAEBURN, BENAL, US
[71] NTI GLOBAL, US
[22] 2023-11-07
[41] 2024-05-23
[30] US (17/993,593) 2022-11-23

[21] **3,219,078**
[13] A1
[51] **Int.Cl. B29C 65/02 (2006.01) B29C 70/38 (2006.01) B29C 70/44 (2006.01) B64C 3/18 (2006.01) B64C 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR INTEGRATING A FITTING BETWEEN THE WINGS OF A PROFILE**
[54] **METHODE D~INTEGRATION D~UNE FIXATION ENTRE LES AILES D~UN PROFIL**
[72] BARBIER, QUENTIN, FR
[71] DAHER AEROSPACE, FR
[22] 2023-11-06
[41] 2024-05-23
[30] FR (FR2212240) 2022-11-23

[21] **3,219,200**
[13] A1
[25] EN
[54] **EMERGENCY DISPATCH SYSTEM WITH VIDEO SECURITY CAMERA FEEDS AUGMENTED BY 360-DEGREE STATIC IMAGES**
[54] **SYSTEME DE REPARTITION D~URGENCE COMPRENANT DES FLUX VIDEO DE CAMERA DE SECURITE AUGMENTES D~IMAGES STATIQUES A 360 DEGRES**
[72] LINDENAU, CHRIS, US
[72] ROBINSON, DAVID A., US
[72] SMITH, JESSE, US
[72] VELAZQUEZ, LUIS FERNANDO DIAZ, US
[72] MULLIN, CODY D., US
[71] FUSUS, INC., US
[22] 2023-11-07
[41] 2024-05-21
[30] US (17/990,998) 2022-11-21

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[21] **3,219,398**
[13] A1
[51] **Int.Cl. B29C 33/12 (2006.01) B29C 39/10 (2006.01) B29C 39/38 (2006.01)**
[25] EN
[54] **CASTING MOLD FOR PRODUCING A CASTING HAVING A FRONT SIDE AND A REAR SIDE FROM A CURABLE CASTING COMPOUND**
[54] **MOULE POUR LA PRODUCTION D~UN ARTICLE MOULE AYANT UN COTE AVANT ET UN COTE ARRIERE A PARTIR D~UN COMPOSE DE MOULAGE DURCISSABLE**
[72] PATERNOSTER, RUDOLF, DE
[72] PLEDL, XAVER, DE
[72] PROBST, ALOIS, DE
[72] MULLER, MARKUS, DE
[71] SCHOCK GMBH, DE
[22] 2023-11-08
[41] 2024-05-21
[30] DE (10 2022 130 760.3) 2022-11-21

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[21] **3,219,731**
[13] A1
[25] EN
[54] **ORDER MANAGEMENT AND FULFILLMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE GESTION ET DE REMPLISSAGE DE COMMANDES**
[72] BUHLER, CHERIE, US
[72] DAVIS, ROBERT S., US
[72] CLINTON, EVAN, US
[72] MEYER, JAMES, US
[72] BLANKLEY, RANDY L., JR., US
[72] LOPEZ VILLEGAS, ANGEL, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2023-11-13
[41] 2024-05-22
[30] US (17/992,069) 2022-11-22

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[21] **3,219,840**
[13] A1
[51] **Int.Cl. A23P 20/25 (2016.01) A21C 9/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING FOOD PRODUCTS CONTAINING A FILLING**
[54] **SYSTEME ET METHODE POUR LA PRODUCTION DE PRODUITS ALIMENTAIRES CONTENANT UNE GARNITURE**
[72] DE RUOS, FAUSTO, IT
[72] CASAGRANDE, PIETRO, IT
[72] CASAGRANDE, NICOLA, IT
[71] LATTERIA MONTELLO S.P.A., IT
[22] 2023-11-10
[41] 2024-05-24
[30] IT (102022000024267) 2022-11-24

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[21] **3,219,992**
[13] A1
[51] **Int.Cl. D21F 7/08 (2006.01) D03D 11/00 (2006.01) D21F 7/10 (2006.01)**
[25] EN
[54] **PRESS FELT**
[54] **FEUTRE DE PRESSE**
[72] VILLA-NUOTTAJARVI, VIIVI, FI
[72] MIKKONEN, KATI, FI
[72] NAAMANKA, JORMA, FI
[72] MOISIO, SUSANNA, FI
[72] HYNNINEN, JUHA, FI
[72] SILAKOSKI, LEENA, FI
[71] VALMET TECHNOLOGIES OY, FI
[22] 2023-11-14
[41] 2024-05-24
[30] FI (20226049) 2022-11-24

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[21] **3,220,094**
[13] A1
[51] **Int.Cl. G01F 1/54 (2006.01) G01F 1/667 (2022.01)**
[25] EN
[54] **FLOW DETECTION USING PIEZOELECTRIC FLEXURAL ELEMENT**
[54] **DETECTION DE FLUX AU MOYEN D~UN ELEMENT DE FLEXION PIEZOELECTRIQUE**
[72] MATAM, MAHESH, US
[72] FOWLER, JEFFREY M., US
[71] NEPTUNE TECHNOLOGY GROUP INC., US
[22] 2023-11-15
[41] 2024-05-23
[30] US (63/384,780) 2022-11-23

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[21] **3,220,113**
[13] A1
[51] **Int.Cl. E01B 9/60 (2006.01) E01B 11/54 (2006.01)**
[25] EN
[54] **RAIL BRACE ASSEMBLY**
[54] **ASSEMBLAGE DE SUPPORT DE RAIL**
[72] SINGLETON, STEVEN D., US
[72] EATON, EVAN G., US
[72] BIELSKI, DONALD A., US
[72] AIRGOOD, BRANDON M., US
[71] KOPPERS DELAWARE, INC., US
[22] 2023-11-15
[41] 2024-05-21
[30] US (63/426,940) 2022-11-21
[30] US (63/441,467) 2023-01-27

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[21] **3,220,141**
[13] A1
[51] **Int.Cl. B60H 1/26 (2006.01) B60J 10/82 (2016.01) B60J 7/02 (2006.01) B60J 7/057 (2006.01)**
[25] EN
[54] **COVERING STRUCTURE FOR USE WITH ROOF OPENING TO VENTILATE VEHICLE CABIN**
[54] **STRUCTURE DE COUVERTURE A UTILISER AVEC UNE OUVERTURE DE TOIT POUR VENTILER UNE CABINE DE VEHICULE**
[72] OGILVIE, DANIEL R., CA
[71] ONE EYED JACK HOLDINGS INC., CA
[22] 2023-11-14
[41] 2024-05-21
[30] US (63426883) 2022-11-21

[21] **3,220,292**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 19/00 (2016.01) A01H 6/34 (2018.01) A01H 1/00 (2006.01) A01H 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] **CUCUMBER VARIETY NUN 13088 CUL**
[54] **CONCOMBRE DE VARIETE NUN 13088 CUL**
[72] SWINKELS, ROBERT, NL
[71] NUNHEMS B.V., NL
[22] 2023-11-17
[41] 2024-05-23
[30] CA (3.183.340) 2022-11-23

[21] **3,220,314**
[13] A1
[25] EN
[54] **HOME CONDITION ALERTS BASED UPON HOME SENSOR DATA**
[54] **ALERTES D~ETAT DU DOMICILE AXEES SUR LES DONNEES DE CAPTEURS D~HABITATION**
[72] FINLEY, ERIC ALLYN, US
[72] CRAWFORD, JENNIFER L., US
[72] CHAPMAN, CORIN REBEKAH, US
[72] BREITWEISER, EDWARD W., US
[72] WONG, GREGORY, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-17
[41] 2024-05-23
[30] US (63/427,596) 2022-11-23
[30] US (63/427,495) 2022-11-23
[30] US (63/427,680) 2022-11-23
[30] US (63/428,723) 2022-11-29
[30] US (18/099,620) 2023-01-20

[21] **3,220,339**
[13] A1
[51] **Int.Cl. B65G 43/00 (2006.01) B07C 5/34 (2006.01) B65G 43/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR RECOGNISING UNSTABLE OBJECTS**
[54] **SYSTEME DE RECONNAISSANCE D~OBJETS INSTABLES**
[72] GARETTI, FILIPPO, IT
[71] FIVES INTRALOGISTICS S.P.A., IT
[22] 2023-11-16
[41] 2024-05-25
[30] IT (102022000024303) 2022-11-25

[21] **3,220,382**
[13] A1
[51] **Int.Cl. H01B 1/02 (2006.01) H01B 9/00 (2006.01) H01R 4/02 (2006.01) H01R 43/02 (2006.01)**
[25] EN
[54] **POWER CABLE WITH BIMETALLIC CONDUCTOR**
[54] **CABLE D'ALIMENTATION A CONDUCTEUR BIMETALLIQUE**
[72] FRIBERG, PETER, SE
[72] HOBSON, ROBERT WAYNE, US
[72] KARATSIVOS, EVRIPIDIS, SE
[71] NKT HV CABLES AB, SE
[22] 2023-11-17
[41] 2024-05-21
[30] US (18/057,518) 2022-11-21

[21] **3,220,392**
[13] A1
[51] **Int.Cl. G06Q 10/0631 (2023.01) G06Q 50/02 (2012.01)**
[25] EN
[54] **VEHICLE ALLOCATION SYSTEM**
[54] **SYSTEME DE REPARTITION DE VEHICULES**
[72] STOLL, ALLYSON MIYAHARA, CA
[72] PABLA, GURPAL, CA
[71] TECK RESOURCES LIMITED, CA
[22] 2023-11-17
[41] 2024-05-21
[30] US (63/426900) 2022-11-21

[21] **3,220,406**
[13] A1
[51] **Int.Cl. E01C 17/00 (2006.01) E01F 9/559 (2016.01) E01C 5/00 (2006.01) F21S 2/00 (2016.01) F21V 8/00 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **PEDESTAL PAVER WITH TRANSPARENT OR TRANSLUCENT INSERTS**
[54] **FINISSEUSE SUR SOCLE COMPRENANT DES PLAQUETTES TRANSPARENTES OU TRANSLUCIDES**
[72] SANDOR, FREDERICK J., JR., US
[71] LIGHT PENETRATING SYSTEMS, LLC, US
[22] 2023-11-17
[41] 2024-05-23
[30] US (63/427,586) 2022-11-23
[30] US (18/506,506) 2023-11-10

[21] **3,220,459**
[13] A1
[51] **Int.Cl. B23K 37/00 (2006.01)**
[25] EN
[54] **HYBRID ELECTROFUSION PROCESSOR**
[54] **PROCESSEUR D~ELECTROFUSION HYBRIDE**
[72] RUTHERFORD, ROGER, US
[72] SMITH, MICHAEL D., US
[71] GEORG FISCHER CENTRAL PLASTICS LLC, US
[22] 2023-11-20
[41] 2024-05-23
[30] US (17/993.326) 2022-11-23

[21] **3,220,461**
[13] A1
[51] **Int.Cl. H01R 33/97 (2006.01) H01R 13/639 (2006.01) H01R 13/73 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **CHARGER AND CHARGING SYSTEM**
[54] **CHARGEUR ET SYSTEME DE CHARGE**
[72] LU, CHUNTAO, CN
[72] YAN, AN, CN
[71] GREENWORKS (JIANGSU) CO., LTD, CN
[22] 2023-11-20
[41] 2024-05-23
[30] CN (202211478514.9) 2022-11-23
[30] CN (202223122194.1) 2022-11-23

[21] **3,220,463**
[13] A1
[51] **Int.Cl. H01M 4/139 (2010.01) B05D 5/12 (2006.01)**
[25] EN
[54] **METHOD AND PROCESS ARRANGEMENT FOR THE PRODUCTION OF AN ELECTRODE FOR A BATTERY CELL**
[54] **METHODE ET CONFIGURATION DE PROCEDE POUR LA PRODUCTION D~UNE ELECTRODE POUR UN ELEMENT DE BATTERIE**
[72] BUSSWINKEL, LUDGER, DE
[72] SCHOPF, SVEN, DE
[72] REUBER, SEBASTIAN, DE
[72] SCHMIDT-LOBACH, ROLAND, DE
[72] SCHLACHTER, MARTIN, DE
[71] VOLKSWAGEN AKTIENGESELLSCHAFT, DE
[71] CT SYSTEMS GMBH & CO. KG, DE
[22] 2023-11-20
[41] 2024-05-22
[30] DE (10 2022 130 903.7) 2022-11-22

[21] **3,220,483**
[13] A1
[51] **Int.Cl. F23D 14/02 (2006.01) F23C 1/00 (2006.01) F23D 14/76 (2006.01) F23K 1/00 (2006.01) F23K 5/00 (2006.01) F23K 5/08 (2006.01)**
[25] EN
[54] **COMBUSTION SYSTEM WITH MIXING AND FLAME ARRESTING FOR POLLUTION REDUCTION**
[54] **SYSTEME DE COMBUSTION UTILISANT LE MELANGE ET UN PARE-FLAMMES POUR REDUIRE LA POLLUTION**
[72] COLANNINO, JOSEPH, US
[72] ZARE, SAEID, US
[72] PROBST, TROY A., US
[71] FABER BURNER COMPANY, US
[22] 2023-11-20
[41] 2024-05-21
[30] US (18/512459) 2023-11-17
[30] US (63/384549) 2022-11-21

[21] **3,220,490**
[13] A1
[51] **Int.Cl. C25D 1/04 (2006.01) C23C 22/00 (2006.01) C23F 17/00 (2006.01) C25D 1/20 (2006.01) C25D 3/38 (2006.01) H01M 4/66 (2006.01)**
[25] EN
[54] **COPPER FOIL, ELECTRODE COMPRISING THE SAME, SECONDARY BATTERY COMPRISING THE SAME, AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE DE CUIVRE, ELECTRODE LA COMPRENANT, BATTERIE SECONDAIRE LA COMPRENANT ET METHODE DE FABRICATION**
[72] JIN, SHAN HUA, KR
[72] YOON, MIN SEOK, KR
[71] SK NEXILIS CO., LTD., KR
[22] 2023-11-21
[41] 2024-05-24
[30] KR (10-2022-0159358) 2022-11-24
[30] KR (10-2023-0132904) 2023-10-05

[21] **3,220,499**
[13] A1
[51] **Int.Cl. C25D 1/04 (2006.01) C23C 22/00 (2006.01) C23F 17/00 (2006.01) C25D 1/20 (2006.01) C25D 3/38 (2006.01) C25D 7/06 (2006.01) H01M 4/66 (2006.01)**
[25] EN
[54] **COPPER FOIL, ELECTRODE COMPRISING THE SAME, SECONDARY BATTERY COMPRISING THE SAME, AND METHOD FOR MANUFACTURING THE SAME**
[54] **FEUILLE DE CUIVRE, ELECTRODE LA COMPRENANT, BATTERIE SECONDAIRE LA COMPRENANT ET METHODE DE FABRICATION**
[72] JIN, SHAN HUA, KR
[72] YOON, MIN SEOK, KR
[71] SK NEXILIS CO., LTD., KR
[22] 2023-11-21
[41] 2024-05-24
[30] KR (10-2022-0159359) 2022-11-24
[30] KR (10-2023-0132905) 2023-10-05

[21] **3,220,519**
[13] A1
[51] **Int.Cl. A47J 43/04 (2006.01) A47J 36/06 (2006.01)**
[25] EN
[54] **IMAGE CAPTURING APPARATUS**
[54] **APPAREIL DE CAPTURE D~IMAGE**
[72] KITAURA, TOMOHIRO, JP
[72] NAKAMURA, KOTA, JP
[72] MAKINO, RYUNOSUKE, JP
[72] OKAMOTO, YUUKI, JP
[72] SHIMIZU, OSAMU, JP
[72] MIZUNO, HIROSHI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[22] 2023-11-21
[41] 2024-05-25
[30] JP (2022-188311) 2022-11-25

[21] **3,220,525**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING EMERGENCY CONDITIONS WITHIN STRUCTURESAND INITIATING REMEDIATION PROCEDURES**
[54] **SYSTEMES ET METHODES POUR DETECTER DES CONDITIONS D~URGENCE DANS UNE STRUCTURE ET AMORCE DES PROCEDURES DE REMEDIATION**
[72] DONOVAN, JOHN R., US
[72] BRANNAN, JOSEPH ROBERT, US
[72] WILLIAMS, AARON, US
[72] STOIBER, JEFFREY WILSON, US
[72] NUSSBAUM, BRYAN R., US
[72] LEFEBRE, ELLAKATE, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-21
[41] 2024-05-21
[30] US (63/426,960) 2022-11-21
[30] US (18/459,378) 2023-08-31

[21] **3,220,528**
[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR CRACKING AMMONIA**
[54] **PROCEDE ET APPAREIL DE CRAQUAGE D~AMMONIAC**
[72] WHITE, VINCENT, GB
[72] SHAW, ANDREW, GB
[72] SALOWAY, SIMON CRAIG, GB
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2023-11-21
[41] 2024-05-21
[30] US (17/990,815) 2022-11-21

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[21] **3,220,532**
[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01) B01J 8/02 (2006.01) B01J 19/24 (2006.01) C01B 21/02 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR CRACKING AMMONIA**
[54] **PROCEDE ET APPAREIL DE CRAQUAGE D~AMMONIAC**
[72] WHITE, VINCENT, GB
[72] SHAW, ANDREW, GB
[72] SALOWAY, SIMON CRAIG, GB
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2023-11-21
[41] 2024-05-21
[30] US (17/990,817) 2022-11-21

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[21] **3,220,536**
[13] A1
[51] **Int.Cl. C01B 3/04 (2006.01) B01J 19/24 (2006.01) C01B 21/02 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR CRACKING AMMONIA**
[54] **PROCEDE ET APPAREIL DE CRAQUAGE D~AMMONIAC**
[72] SHAW, ANDREW, GB
[72] SALOWAY, SIMON CRAIG, GB
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2023-11-21
[41] 2024-05-21
[30] US (17/990,823) 2022-11-21

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[21] **3,220,547**
[13] A1
[51] **Int.Cl. D21H 17/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCTION OF STARCH-LOADED FIBRILLATED FIBERS**
[54] **SYSTEMES ET METHODES POUR LA PRODUCTION DE FIBRES FIBRILLEES ET AMIDONNEES**
[72] PANDE, HARSHAD, US
[72] CLIFTON, LINDSEY, US
[71] DOMTAR PAPER COMPANY, LLC, US
[22] 2023-11-20
[41] 2024-05-21
[30] US (63/384,465) 2022-11-21

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[21] **3,220,550**
[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01) H04W 48/16 (2009.01)**
[25] EN
[54] **DYNAMIC SPECTRUM ACQUISITION AND POWER MANAGEMENT FOR WIRELESS DEVICES**
[54] **ACQUISITION DYNAMIQUE DU SPECTRE ET GESTION DE L~ALIMENTATION POUR LES DISPOSITIFS SANS FIL**
[72] DAVIES, MICHAEL, CA
[71] DAVIES, MICHAEL, CA
[22] 2023-11-21
[41] 2024-05-25
[30] US (63/384,990) 2022-11-25

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[21] **3,220,600**
[13] A1
[51] **Int.Cl. A61B 5/12 (2006.01)**
[25] EN
[54] **SYSTEM FOR ESTIMATING A HEARING ABILITY OF A TEST SUBJECT**
[54] **SYSTEME POUR ESTIMER UNE CAPACITE AUDITIVE D~UN SUJET**
[72] SANCHEZ-LOPEZ, RAUL, DK
[72] LAUGESEN, SOREN, DK
[72] ZAAR, JOHANNES, DK
[72] SIMONSEN, LISBETH BIRKELUND, DK
[71] INTERACOUSTICS A/S, DK
[22] 2023-11-21
[41] 2024-05-21
[30] EP (22208537.5) 2022-11-21

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[21] **3,220,614**
[13] A1
[51] **Int.Cl. F15B 21/00 (2006.01) F15B 13/00 (2006.01) G01L 19/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING FLUID FLOW WITH A PRESSURE RELIEF VALVE**
[54] **SYSTEME ET METHODE POUR CONTROLER L~ECOULEMENT A L~AIDE D~UNE SOUPAPE DE DECHARGE**
[72] ALECU, DANIEL, CA
[72] DIOSADY, LASLO T., CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-21
[41] 2024-05-25
[30] US (17/994,211) 2022-11-25

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[21] **3,220,633**
[13] A1
[51] **Int.Cl. B60L 53/80 (2019.01) B60L 50/50 (2019.01) B62D 55/00 (2006.01)**
[25] EN
[54] **CRAWLER VEHICLE AND METHOD FOR MANAGING THE OPERATION OF SAID CRAWLER VEHICLE**
[54] **VEHICULE A CHENILLES ET METHODE DE GESTION DE L~EXPLOITATION DE CE VEHICULE**
[72] MUIGG, ANDREAS, IT
[72] KIRCHMAIR, MARTIN, IT
[71] PRINOTH S.P.A., IT
[22] 2023-11-21
[41] 2024-05-25
[30] IT (102022000024399) 2022-11-25

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[21] **3,220,635**
[13] A1
[51] **Int.Cl. E21B 43/1185 (2006.01) E21B 43/116 (2006.01) E21B 43/119 (2006.01) E21B 43/25 (2006.01)**
[25] EN
[54] **DETONATOR FOR A PREFORATING GUN ASSEMBLY**
[54] **DETONATEUR POUR UN ASSEMBLAGE DE PERFORATEUR**
[72] SULLIVAN, SHELBY L., US
[71] XCONNECT, LLC, US
[22] 2023-11-21
[41] 2024-05-21
[30] US (18/514,581) 2023-11-20
[30] US (63/508,985) 2023-06-19
[30] US (63/384,474) 2022-11-21

[21] **3,220,637**
[13] A1
[51] **Int.Cl. G09F 3/02 (2006.01) C09J 7/29 (2018.01)**
[25] EN
[54] **EMBEDDED-TISSUE LABEL WITH METAL DETECTION CAPABILITY**
[54] **ETIQUETTE ENCASTREE DANS LE TISSU A CAPACITE DE DETECTION DES METAUX**
[72] AMBARTSOUMIAN, GOURGEN, CA
[71] 13652611 CANADA INC., CA
[22] 2023-11-21
[41] 2024-05-21
[30] US (63/384,470) 2022-11-21

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[21] **3,220,671**
[13] A1
[51] **Int.Cl. B01F 25/31 (2022.01) B01F 23/10 (2022.01) B01F 35/71 (2022.01) F24F 13/04 (2006.01)**
[25] EN
[54] **AIR-MIXING PLENUM AND METHOD OF MIXING FLOWS OF AIR THEREWITH**
[54] **PLENUM DE MELANGE D~AIR ET METHODE POUR MELANGER DES FLUX D~AIR**
[72] MASTROMONACO, GEORGE, CA
[72] GUEVREMONT, DAVID, CA
[72] CHAUVAT, PIERRE, CA
[71] INGENIA TECHNOLOGIES INC., CA
[22] 2023-11-22
[41] 2024-05-22
[30] US (63/384.647) 2022-11-22

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[21] **3,220,672**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G16Y 10/60 (2020.01) G16Y 40/10 (2020.01) A61B 5/00 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **HOMEOWNER HEALTH ALERTS AND MITIGATION BASED ON HOME SENSOR DATA**
[54] **ALERTES DE SANTE DES PROPRIETAIRES ET ATTENUATION AXEE SUR LES DONNEES DE CAPTEURS D~HABITATION**
[72] FINLEY, ERIC ALLYN, US
[72] CRAWFORD, JENNIFER L., US
[72] CHAPMAN, CORIN REBEKAH, US
[72] BREITWEISER, EDWARD W., US
[72] WONG, GREGORY, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-22
[41] 2024-05-23
[30] US (63/427,596) 2022-11-23
[30] US (63/427,495) 2022-11-23
[30] US (63/427,680) 2022-11-23
[30] US (63/428,723) 2022-11-29
[30] US (18/099,570) 2023-01-20

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[21] **3,220,686**
[13] A1
[51] **Int.Cl. G01N 3/02 (2006.01) G01N 3/32 (2006.01) G01N 3/56 (2006.01)**
[25] EN
[54] **MATERIAL TESTING APPARATUS HAVING VIBRATION MITIGATION**
[54] **APPAREIL D~ESSAI DES MATERIAUX COMPRENANT UN MECANISME D~ATTENUATION DES VIBRATIONS**
[72] VILENDRER, KENT, US
[71] ST3 DEVELOPMENT CORPORATION, US
[22] 2023-11-22
[41] 2024-05-22
[30] US (17/992.593) 2022-11-22

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[21] **3,220,755**
[13] A1
[51] **Int.Cl. F02C 7/28 (2006.01) F16J 15/34 (2006.01) F16J 15/48 (2006.01)**
[25] EN
[54] **SPLIT PISTON RING SEAL FOR A ROTATING ASSEMBLY AND METHOD OF SEALING**
[54] **JOINT FENDU DE GARNITURE DE PISTON POUR UN ASSEMBLAGE ROTATIF ET METHODE D~ETANCHEITE**
[72] ALECU, DANIEL, CA
[72] SIDOROVICH PARADISO, IVAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2023-11-21
[41] 2024-05-23
[30] US (17/993,517) 2022-11-23

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[21] **3,220,765**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2023.01) G06Q 50/10 (2012.01) G06Q 50/40 (2024.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A MOBILE PRODUCTIVITY PLATFORM**
[54] **SYSTEMES ET METHODES POUR UNE PLATEFORME DE PRODUCTIVITE MOBILE**
[72] THOBE, ZACHARY D., US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2023-11-22
[41] 2024-05-22
[30] US (18/516.412) 2023-11-21
[30] US (63/384.663) 2022-11-22

[21] **3,220,795**
[13] A1
[51] **Int.Cl. C08J 7/044 (2020.01) B05D 1/12 (2006.01) B05D 5/12 (2006.01) B28B 19/00 (2006.01) B32B 27/32 (2006.01) C23C 24/04 (2006.01)**
[25] EN
[54] **FLEXIBLE POLYTETRAFLUOROETHYLENE SUBSTRATE WITH ELECTRICAL CIRCUIT LAYER AND METHOD THEREFOR**
[54] **SUBSTRAT DE POLYTETRAFLUORETHYLENE SOUPLE COMPRENANT UNE COUCHE DE CIRCUIT ELECTRIQUE ET METHODE CONNEXE**
[72] MARZBANRAD, BAHAREH, CA
[72] JAHED, HAMID, CA
[71] MARZBANRAD, BAHAREH, CA
[71] JAHED, HAMID, CA
[22] 2023-11-23
[41] 2024-05-23
[30] US (63/427,782) 2022-11-23

[21] **3,220,806**
[13] A1
[51] **Int.Cl. A61C 13/00 (2006.01) A61C 5/77 (2017.01)**
[25] EN
[54] **A DENTAL PROCESSING PIECE**
[54] **PIECE DENTAIRE FABRIQUEE**
[72] STEGER, HEINRICH, IT
[71] STEGER, HEINRICH, IT
[22] 2023-11-22
[41] 2024-05-25
[30] EP (22209641.4) 2022-11-25

[21] **3,220,895**
[13] A1
[51] **Int.Cl. G06Q 10/20 (2023.01) G06T 19/00 (2011.01) G07C 3/00 (2006.01) G07C 5/02 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **HOME AND VEHICLE REPAIR DIAGNOSTICS**
[54] **DIAGNOSTIC DE REPARATION DE MAISON ET DE VEHICULE**
[72] FINLEY, ERIC ALLYN, US
[72] CRAWFORD, JENNIFER L., US
[72] CHAPMAN, CORIN REBEKAH, US
[72] BREITWEISER, EDWARD W., US
[72] WONG, GREGORY, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2023-11-23
[41] 2024-05-23
[30] US (63/427,596) 2022-11-23
[30] US (63/427,495) 2022-11-23
[30] US (63/427,680) 2022-11-23
[30] US (63/428,723) 2022-11-29
[30] US (18/099,877) 2023-01-20

[21] **3,220,911**
[13] A1
[51] **Int.Cl. B21F 27/12 (2006.01) B21F 99/00 (2009.01)**
[25] EN
[54] **WIRE MESH PRODUCTS AND MANUFACTURING SYSTEMS AND METHODS THEREFORE**
[54] **PRODUITS DE TREILLIS METALLIQUE ET SYSTEMES ET METHODES DE FABRICATION CONNEXES**
[72] KNOTT, JAMES M. JR., US
[71] RIVERDALE MILLS CORPORATION, US
[22] 2023-11-22
[41] 2024-05-22
[30] US (63/427,171) 2022-11-22
[30] US (18/510,942) 2023-11-16

[21] **3,220,926**
[13] A1
[51] **Int.Cl. A45C 13/02 (2006.01) A45C 5/03 (2006.01) A45C 5/14 (2006.01)**
[25] EN
[54] **LUGGAGE CASE DIVIDER WITH POCKET**
[54] **DIVISEUR DE VALISE COMPRENANT UNE POCHE**
[72] SIAU, WILBRECHT, BE
[72] PEERS, NATASCHA, BE
[72] COLSON, MICHAEL, BE
[71] SAMSONITE IP HOLDINGS S.A R.L., LU
[22] 2023-11-22
[41] 2024-05-23
[30] EP (22209093.8) 2022-11-23
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[54] **SYSTEMS AND METHODS FOR DEVICE MANAGEMENT IN A NETWORK**
[54] **SYSTEMES ET PROCEDES POUR LA GESTION DES DISPOSITIFS DANS UN RESEAU**
[72] SHEPPARD, BRUCE, CA
[72] SHERRATT, PAUL, CA
[72] CRUPI, CEDRIC, CA
[72] KRATZ, KEVIN, CA
[71] BCE INC., CA
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[25] EN
[54] **TURBINE ENGINE EXHAUST DUCT SYSTEM AND METHODS FOR NOISE DAMPENING AND ATTENUATION**
[54] **SYSTEMES DE GAINE D~ECHAPPEMENT DE TURBINE ET METHODES D~INSONORISATION ET D~ATTENUATION DU BRUIT**
[72] RODRIGUEZ-RAMON, RICARDO, US
[72] YEUNG, TONY, US
[71] BJ ENERGY SOLUTIONS, LLC, US
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[54] **MICROPUMP**
[54] **MICROPOMPE**
[72] MULLER, MATTHIAS, CH
[71] SENSILE MEDICAL AG, CH
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[54] **METHOD FOR MAKING DOUGH PRODUCTS**
[54] **METHODES POUR FABRIQUER DES PRODUITS DE PATE**
[72] GIER, MICHAEL, DE
[72] LEHMANN, OLIVER, DE
[71] FRITSCH BAKERY TECHNOLOGIES GMBH & CO. KG, DE
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[54] **MULTIFUNCTIONAL INDIRECTLY HEATED ROTARY KILN**
[54] **FOUR ROTATIF POLYVALENT A CHAUFFAGE INDIRECT**
[72] PARKER, STEPHEN, US
[71] PARKER, STEPHEN, US
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[54] **WASHABLE REUSABLE DIAPER**
[54] **COUCHE REUTILISABLE LAVABLE**
[72] BELLAVANCE, ANNIE, CA
[71] GROUPE SOURIS MINI INC., CA
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[25] EN
[54] **ADAPTIVE SENSING SMART HOME SYSTEM AND METHOD**
[54] **SYSTEME DE MAISON INTELLIGENTE A DETECTION ADAPTATIVE ET METHODE**
[72] MISENER, DONALD LOWELL, CA
[72] ADAMSON, CHRISTOPHER E., CA
[71] SWIDGET CORP., CA
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[54] **A QUICK-CHANGE STRUCTURE FOR LIQUID-COOLED CHARGING GUN**
[54] **UNE STRUCTURE DE CHANGEMENT RAPIDE POUR UN PISTOLET DE RECHARGE REFROIDI PAR LIQUIDE**
[72] WANG, JIHUA, CN
[72] YANG, TAO, CN
[72] LIAO, YONGJIE, CN
[72] LV, TING, CN
[71] SUZHOU YIHANG ELECTRONIC TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **METHOD FOR PROCESSING BY-PRODUCT OF ZINC HYDROMETALLURGICAL PROCESS WITH REDUCED CARBON EMISSION**
[54] **METHODE DE TRAITEMENT DES PRODUITS DERIVES DU PROCEDE HYDROMETALLURGIQUE DU ZINC A EMISSIONS DE CARBONE REDUITES**
[72] CHOI, HEON SIK, KR
[72] LEE, HYUN, KR
[71] KOREA ZINC CO., LTD., KR
[85] 2023-09-12
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[25] EN
[54] **CENTRAL LOCKING MECHANISM FOR FOLDING TENT, NOVEL CENTRAL LOCKING MECHANISM AND FOLDING TENT**
[54] **MECANISME DE VERROUILLAGE CENTRAL POUR UNE TENTE PLIANTE, NOUVEAU MECANISME DE VERROUILLAGE CENTRAL ET TENTE PLIANTE**
[72] JIANQIANG, XIE, CN
[72] ZHU, FALING, CN
[72] SUN, LINYONG, CN
[71] ZHEJIANG YOTRIO GROUP CO., LTD., CN
[85] 2023-11-29
[86] 2023-09-06 (PCT/CN2023/117135)
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[25] EN
[54] **CONVERSION OF PLASTIC WASTE TO HYDROCARBONS USING A TRANSITION METAL OXIDE**
[54] **CONVERSION DE DECHETS PLASTIQUES EN HYDROCARBURES A L'AIDE D'UN OXYDE DE METAL DE TRANSITION**
[72] THUNMAN, HENRIK, SE
[72] SEEMANN, MARTIN, SE
[72] MANDVIWALA, CHAHAT, SE
[71] BOREALIS AG, AT
[85] 2024-05-09
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[25] EN
[54] **METHOD OF TREATING PROGRESSIVE HEART FAILURE IN SUBJECTS AT HIGH RISK OF POOR OUTCOMES**
[54] **METHODE DE TRAITEMENT D'UNE INSUFFISANCE CARDIAQUE PROGRESSIVE CHEZ DES SUJETS PRESENTANT UN RISQUE ELEVE DE RESULTATS DEFAVORABLES**
[72] ITESCU, SILVIU, AU
[72] BOROW, KENNETH, US
[71] MESOBLAST INTERNATIONAL SARL, CH
[85] 2024-05-15
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[54] **FABRICATION OF 3D-PRINTED COPPER BASED ZINC ANODES**
[54] **FABRICATION D'ANODES DE ZINC A BASE DE CUIVRE IMPRIMEES EN 3D**
[72] ZHU, CHENG, US
[72] DUOSS, ERIC B., US
[72] QI, ZHEN, US
[72] VAN BUUREN, ANTHONY V., US
[72] WORSLEY, MARCUS A., US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
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[51] **Int.Cl. C07K 14/475 (2006.01)**
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[54] **THERMOSTABLE FGF10 POLYPEPTIDE OR FRAGMENT THEREOF AND USE THEREOF**
[54] **POLYPEPTIDE FGF10 THERMOSTABLE OU FRAGMENT DE CELUI-CI ET SON UTILISATION**
[72] CHALOUPKOVA, RADKA, CZ
[72] STEPANKOVA, VERONIKA, CZ
[72] HORACKOVA, ANETA, CZ
[72] BEDNAR, DAVID, CZ
[72] KUTALKOVA, KATERINA, CZ
[72] LASKOVA, VERONIKA, CZ
[71] ENANTIS S.R.O., CZ
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[86] 2022-11-21 (PCT/EP2022/082545)
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[25] EN
[54] **SIRNA TARGETING ANGIOTENSINOGEN AND PHARMACEUTICAL USE OF SIRNA**
[54] **ARNSI CIBLANT L'ANGIOTENSINOGENE ET UTILISATION PHARMACEUTIQUE DE L'ARNSI**
[72] LIN, XIAOYAN, CN
[72] LI, YUNFEI, CN
[72] ZHANG, ZHEN, CN
[72] DONG, YUQIONG, CN
[72] HOU, ZHE, CN
[72] ZHANG, JIANYU, CN
[72] GENG, JUN, CN
[72] MAO, SONG, CN
[72] HUANG, LONGFEI, CN
[72] ZHOU, YAQIN, CN
[72] LV, ZHENZHEN, CN
[72] HUANG, YANFEN, CN
[72] HUANG, JINYU, CN
[71] TUOJIE BIOTECH (SHANGHAI) CO., LTD., CN
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[87] (WO2023/088427)
[30] CN (202111398206.0) 2021-11-19
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[25] EN
[54] **SYSTEMS AND METHODS FOR PRODUCING SULFURIC ACID OR LIQUEFIED SULFUR DIOXIDE**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'ACIDE SULFURIQUE OU DE DIOXYDE DE SOUFRE LIQUEFIE**
[72] DIJKSTRA, RENE, CA
[72] KIDON, DOMINIKA, CA
[71] CHEMETICS INC., CA
[85] 2024-05-15
[86] 2022-11-08 (PCT/CA2022/051649)
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[51] **Int.Cl. H01M 10/48 (2006.01) H01M 50/383 (2021.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SAFETY CONTROL MECHANISM AND METHOD, BATTERY SYSTEM, AND ELECTRICAL APPARATUS**
[54] **MECANISME ET PROCEDE DE COMMANDE DE SECURITE, SYSTEME DE BATTERIE ET DISPOSITIF ELECTRIQUE**
[72] CHEN, XIAOBO, CN
[72] PU, YUJIE, CN
[72] LI, YAO, CN
[72] KE, JIANHUANG, CN
[72] YANG, PIAOPIAO, CN
[71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
[85] 2024-05-15
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[25] EN
[54] **HERBICIDAL PYRAZOLE PYRIMIDINE COMPOUNDS**
[54] **COMPOSES DE PYRAZOLE PYRIMIDINE HERBICIDES**
[72] DALE, SUZANNA JANE, GB
[72] ELVES, PHILIP MICHAEL, GB
[72] MORRIS, JAMES ALAN, GB
[72] WATKIN, SAMUEL VAUGHAN, GB
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2024-05-15
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[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/50 (2006.01) C12P 5/02 (2006.01)**
[25] EN
[54] **HYBRID-ELECTRIC PROCESS AND/OR SYSTEM FOR PRODUCING HYDROGEN**
[54] **SYSTEME ET/OU PROCEDE HYBRIDE-ELECTRIQUE DE PRODUCTION D'HYDROGENE**
[72] FOODY, BRIAN, CA
[72] THIJSSEN, JOHANNES H. J., US
[72] FOODY, PATRICK J., CA
[71] IOGEN CORPORATION, CA
[85] 2024-05-15
[86] 2022-12-02 (PCT/CA2022/051768)
[87] (WO2023/097403)
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[54] **TRANSPORT DEVICE**
[54] **DISPOSITIF DE TRANSPORT**
[72] ARAKI, KAZUTAKA, JP
[71] DAIFUKU CO., LTD., JP
[85] 2024-05-15
[86] 2022-03-29 (PCT/JP2022/015351)
[87] (WO2023/089844)
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[25] EN
[54] **ARTICLE CARRIER AND BLANK THEREFOR**
[54] **SUPPORT D'ARTICLES ET EBAUCHE ASSOCIEE**
[72] MERZEAU, JULIEN D., FR
[72] DEMANGE, ARNAUD, GB
[72] DA COSTA KOHLER, ADRIANO A., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2024-05-15
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[54] **RESIDENTIAL FOOD WASTE RECYCLING**
[54] **RECYCLAGE DE DECHETS ALIMENTAIRES RESIDENTIELS**
[72] BOYLE, NORMAN, AU
[71] BOYLE, NORMAN, AU
[85] 2024-05-15
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[87] (WO2023/087058)
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[51] **Int.Cl. H04L 67/56 (2022.01) H04L 41/0654 (2022.01)**
[25] EN
[54] **INTERNET PROXY SYSTEM**
[54] **SYSTEME DE PROXY INTERNET**
[72] PILKAUSKAS, VALDAS, LT
[72] KOZLOVSKI, MIROSLAV, LT
[72] CIUTA, GYTIS, LT
[71] OXYLABS, UAB, LT
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[86] 2023-01-30 (PCT/EP2023/052179)
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[51] **Int.Cl. C12P 5/02 (2006.01) C01B 32/50 (2017.01) C01B 3/34 (2006.01) C01B 3/50 (2006.01) C01C 1/02 (2006.01)**
[25] EN
[54] **BIOMETHANE AND/OR HYDROGEN PRODUCED FROM BIOMASS HAVING REDUCED LIFECYCLE GREENHOUSE GAS EMISSIONS**
[54] **BIOMETHANE ET/OU HYDROGENE PRODUIT A PARTIR DE BIOMASSE AYANT DES EMISSIONS DE GAZ A EFFET DE SERRE REDUITES SUR L'ENSEMBLE DU CYCLE DE VIE**
[72] FOODY, BRIAN, CA
[72] FOODY, PATRICK J., CA
[71] IOGEN CORPORATION, CA
[85] 2024-05-15
[86] 2022-12-02 (PCT/CA2022/051769)
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[51] **Int.Cl. D21H 27/38 (2006.01) D21H 15/02 (2006.01)**
[25] EN
[54] **CONTAINERBOARD PRODUCTS INCORPORATING SURFACE ENHANCED PULP FIBERS AND MAKING THE SAME**
[54] **PRODUITS D'EMBALLAGE ONDULES CONTENANT DES FIBRES DE PATE A PAPIER A SURFACE AMELIOREE ET LEUR FABRICATION**
[72] PANDE, HARSHAD, CA
[72] CLIFTON, LINDSEY, US
[71] DOMTAR PAPER COMPANY, LLC, US
[85] 2024-05-15
[86] 2023-01-03 (PCT/US2023/060044)
[87] (WO2023/133378)
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[51] **Int.Cl. A01N 25/06 (2006.01) A01N 37/40 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING THE EFFICACY OF A HERBICIDE**
[54] **PROCEDE PERMETTANT D'AUGMENTER L'EFFICACITE D'UN HERBICIDE**
[72] OESTER, DEAN A, US
[72] ANDERSON, TIMOTHY H, US
[72] BOWE, STEVEN JOSEPH, US
[71] BASF SE, DE
[85] 2024-05-15
[86] 2022-11-14 (PCT/EP2022/081770)
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[25] EN
[54] **PACKER SETTING MECHANISM WITH SETTING LOAD BOOSTER**
[54] **MECANISME DE REGLAGE DE GARNITURE D'ETANCHEITE AVEC AMPLIFICATEUR DE CHARGE DE REGLAGE**
[72] DAVE, JALPAN PIYUSH, SG
[72] ELDHO, SHANU THOTTUNGAL, SG
[72] HOLDERMAN, LUKE WILLIAM, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **METHOD FOR THE TREATMENT OF A SCLERODERMA DISEASE**
[54] **METHODE DE TRAITEMENT D'UNE MALADIE DE LA SCLERODERMIE**
[72] JOHNSON, TIMOTHY SCOTT, GB
[72] ATKINSON, JOHN, GB
[72] DISTLER, JORG HANS WILHELM, DE
[72] ABRAHAM, DAVID JOHN, GB
[71] UCB BIOPHARMA SRL, BE
[85] 2024-05-15
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[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR WELLNESS MONITORING WITH PHYSIOLOGICAL SENSORS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE SURVEILLANCE DE BIEN-ETRE A L'AIDE DE CAPTEURS PHYSIOLOGIQUES**
[72] WILLIAMS, JUSTIN N., US
[72] INCHAUSPE, JESSICA, US
[72] MCCARTER, JAMES P., US
[72] OU, JUNLI, US
[71] ABBOTT DIABETES CARE INC., US
[85] 2024-05-15
[86] 2022-12-27 (PCT/US2022/054054)
[87] (WO2023/129534)
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[13] A1
[51] **Int.Cl. B25B 27/22 (2006.01) B21L 9/06 (2006.01)**
[25] EN
[54] **PROCESSING CHAINS**
[54] **TRAITEMENT DE CHAINES**
[72] EUDEY, STEPHEN, AU
[71] EUDEY, STEPHEN, AU
[85] 2024-05-15
[86] 2021-12-03 (PCT/AU2021/051444)
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[25] EN
[54] **METHODS AND SYSTEMS FOR SENSING A PLURALITY OF ANALYTES**
[54] **PROCEDES ET SYSTEMES POUR DETECTER UNE PLURALITE D'ANALYTES**
[72] DALTON, SCOTT D., US
[72] KUNICH, THEODORE J., US
[72] CHOW, ERIC, US
[71] ABBOTT DIABETES CARE INC., US
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[51] **Int.Cl. C01G 9/02 (2006.01) C01F 7/441 (2022.01) A61K 8/06 (2006.01) A61K 8/26 (2006.01) A61K 8/27 (2006.01) A61K 8/35 (2006.01)**
[25] EN
[54] **A SUNSCREEN COMPOSITION**
[54] **COMPOSITION DE PRODUIT DE PROTECTION SOLAIRE**
[72] MIZIKOVSKY, LEV, AU
[71] VEGANICSKN LIMITED, AU
[85] 2024-05-15
[86] 2022-11-16 (PCT/AU2022/095001)
[87] (WO2023/087079)
[30] AU (2021903680) 2021-11-16
[30] AU (2022901287) 2022-05-13

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[51] **Int.Cl. A62C 27/00 (2006.01) A62C 31/00 (2006.01) A62C 31/02 (2006.01) A62C 31/03 (2006.01) A62C 31/28 (2006.01) A62C 37/00 (2006.01)**
[25] EN
[54] **FIRE-FIGHTING SYSTEM**
[54] **SYSTEME DE LUTTE CONTRE L'INCENDIE**
[72] CERRANO, JASON, US
[72] LASKARIS, MICHAEL A., US
[71] HALE PRODUCTS, INC, US
[85] 2024-05-15
[86] 2021-11-22 (PCT/US2021/060326)
[87] (WO2023/091150)

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[51] **Int.Cl. A61B 5/0532 (2021.01) A61B 5/26 (2021.01) A61B 5/276 (2021.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR ELECTRO-MERIDIAN DIAGNOSTICS AND/OR STIMULATION**
[54] **PROCEDES ET APPAREIL DE DIAGNOSTIC ET/OU DE STIMULATION ELECTRO-MERIDIENS**
[72] NEMEH, ISSAM, US
[72] NEMEH, WADI, US
[72] MERSHIN, ANDREAS, US
[72] QUINN, TODD, US
[72] MORAN, PATRICK, US
[72] LEFTON, SCOTT, US
[72] FOSTER, SIMMIE, US
[71] NINURTA INC., US
[85] 2024-05-15
[86] 2022-11-16 (PCT/US2022/079991)
[87] (WO2023/091972)
[30] US (63/264,115) 2021-11-16
[30] US (63/352,060) 2022-06-14

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[51] **Int.Cl. A61K 8/26 (2006.01) C01F 7/441 (2022.01) A61K 8/27 (2006.01) C01G 9/02 (2006.01)**
[25] EN
[54] **ZINC OXIDE AND ALUMINIUM OXIDE CONTAINING MATERIALS**
[54] **MATIERES CONTENANT DE L'OXYDE DE ZINC ET DE L'OXYDE D'ALUMINIUM**
[72] MIZIKOVSKY, LEV, AU
[71] ADVANCE ZINCTEK LIMITED, AU
[85] 2024-05-15
[86] 2022-11-16 (PCT/AU2022/051369)
[87] (WO2023/087056)
[30] AU (2021903680) 2021-11-16

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[13] A1
[51] **Int.Cl. E21B 43/04 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **GRAVEL PACK SYSTEMS, METHODS TO FLOW FLUID OUT OF A GRAVEL PACK SYSTEM, AND METHODS TO PROVIDE FLUID FLOW DURING A GRAVEL PACKING OPERATION**
[54] **SYSTEMES DE FILTRE A GRAVIER, PROCEDES D'ECOULEMENT DE FLUIDE HORS D'UN SYSTEME DE FILTRE A GRAVIER, ET PROCEDES DE FOURNITURE D'ECOULEMENT DE FLUIDE PENDANT UNE OPERATION DE FILTRES A GRAVIE**
[72] PENNO, ANDREW D., SG
[72] ROSS, KEVIN ALBERT GRAHAM, US
[72] COFFIN, MAXIME P., AE
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-15
[86] 2022-02-17 (PCT/US2022/016875)
[87] (WO2023/146556)
[30] US (17/587,990) 2022-01-28

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61J 11/00 (2006.01)**
[25] EN
[54] **A BREASTFEEDING ANALYSIS DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME D'ANALYSE D'ALLAITEMENT**
[72] CHIRIAEV, SERGUEI, DK
[72] LILDHOLDT, TORBEN, DK
[71] ENT RESEARCH CLINIC HORSENS, DK
[85] 2024-05-15
[86] 2022-11-21 (PCT/EP2022/082584)
[87] (WO2023/094312)
[30] EP (21210090.3) 2021-11-24

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[13] A1
[51] **Int.Cl. H01M 4/525 (2010.01) H01M 4/131 (2010.01) H01M 4/505 (2010.01)**
[25] EN
[54] **POSITIVE ELECTRODE ACTIVE MATERIAL, METHOD FOR PREPARING THE SAME, AND POSITIVE ELECTRODE INCLUDING THE SAME**
[54] **MATERIAU ACTIF DE CATHODE, SON PROCEDE DE FABRICATION ET CATHODE LE COMPRENANT**
[72] JUNG, WON SIG, KR
[72] PARK, HYUN AH, KR
[72] LEE, KANG HYEON, KR
[72] CHOI, HWAN YOUNG, KR
[72] KIM, JONG PIL, KR
[72] LEE, EUNG JU, KR
[71] LG CHEM, LTD., KR
[85] 2024-05-15
[86] 2023-05-22 (PCT/KR2023/006937)
[87] (WO2023/224442)
[30] KR (10-2022-0062284) 2022-05-20

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[13] A1
[51] **Int.Cl. G01S 17/931 (2020.01) G01S 17/88 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING RETAINING WALL SUITABLE FOR AUTOMATIC DRIVING VEHICLE**
[54] **PROCEDE ET SYSTEME POUR DETECTER MUR DE SOUTENEMENT CONVENANT POUR VEHICULE A CONDUITE AUTOMATIQUE**
[72] ZHAO, BIN, CN
[72] LI, JINMING, CN
[72] TANG, JIANLIN, CN
[71] JIANGSU XCMG CONSTRUCTION MACHINERY RESEARCH INSTITUTE LTD., CN
[85] 2024-05-15
[86] 2022-02-21 (PCT/CN2022/076996)
[87] (WO2023/092870)
[30] CN (202111424522.0) 2021-11-26

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-ABCB1 ANTIBODIES**
[54] **ANTICORPS ANTI-ABCB1**
[72] ARATHOON, WILLIAM ROBERT, US
[72] ABUHAY, MASTEWAL, US
[72] BRIANTE, RAFFAELLA, US
[72] O'CONNOR, ALISSA LOREN, US
[72] PONATH, PAUL DAVID, US
[72] TAN, CINDY, US
[72] ZHAI, QIANTING, US
[72] ZHANG, PINGPING, US
[71] WILLIAM ROBERT ARATHOON LIVING TRUST, US
[85] 2024-05-15
[86] 2022-12-05 (PCT/US2022/080932)
[87] (WO2023/114658)
[30] US (63/289,007) 2021-12-13
[30] US (63/335,491) 2022-04-27

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[13] A1
[51] **Int.Cl. H01Q 1/52 (2006.01) H01Q 5/28 (2015.01) H01Q 5/378 (2015.01)**
[25] EN
[54] **STACKED PATCH ANTENNA**
[54] **ANTENNE A PLAQUES EMPILEES**
[72] ESPINOSA ADAMS, DAVID, ES
[71] AIRBUS DEFENCE AND SPACE S.A., ES
[85] 2024-05-15
[86] 2021-11-17 (PCT/ES2021/070831)
[87] (WO2023/089207)

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[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01) A01K 1/015 (2006.01) A01K 5/00 (2006.01)**
[25] EN
[54] **ROBOTIC DRIVER FOR AGRICULTURAL JOBS**
[54] **DISPOSITIF D'ENTRAINEMENT ROBOTIQUE POUR TRAVAUX AGRICOLES**
[72] SCHWENKER, ALEXANDER, DE
[72] HAUPT, TOBIAS, DE
[71] GEA FARM TECHNOLOGIES GMBH, DE
[85] 2024-05-15
[86] 2022-11-15 (PCT/EP2022/082043)
[87] (WO2023/094226)
[30] DE (10 2021 131 077.6) 2021-11-26

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[13] A1
[51] **Int.Cl. A01K 61/00 (2017.01) A01K 61/10 (2017.01) A01K 61/60 (2017.01) A01K 63/00 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF OXYGENATION FOR AQUACULTURE**
[54] **SYSTEME ET PROCEDE D'OXYGENATION POUR L'AQUACULTURE**
[72] MARCUS DEL CAMPO, JOHN ROBERT, CL
[72] HUSAK SOTOMAYOR, THOMAS WENZEL, CL
[71] OXZO S.A., CL
[85] 2024-05-15
[86] 2022-12-09 (PCT/IB2022/062013)
[87] (WO2023/131836)
[30] CL (0056-2022) 2022-01-10

[21] **3,238,378**
[13] A1
[51] **Int.Cl. A23L 5/30 (2016.01) A23P 30/00 (2016.01)**
[25] EN
[54] **FOOD PROCESSING APPARATUS AND METHOD OF OPERATING FOOD PROCESSING APPARATUS**
[54] **DISPOSITIF DE TRAITEMENT D'ALIMENTS ET PROCEDE D'EXPLOITATION D'UN DISPOSITIF DE TRAITEMENT D'ALIMENTS**
[72] UKAI, KUNIHIRO, JP
[72] YAMAJI, SATORU, JP
[72] HASHIMOTO, YASUHIRO, JP
[72] INO, DAISUKE, JP
[72] TATSUMI, HIRONORI, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2024-05-13
[86] 2022-11-16 (PCT/JP2022/042584)
[87] (WO2023/112588)
[30] JP (2021-202072) 2021-12-13

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[13] A1
[51] **Int.Cl. A24C 5/14 (2006.01) A24C 5/18 (2006.01) A24C 5/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FORMING CANNABIS PRE-ROLLS**
[54] **SYSTEMES ET PROCEDES DE FORMATION DE PRE-ROULES DE CANNABIS**
[72] HIERONS, KERRY, CA
[72] MARTIN, MICHAEL, CA
[72] SIMMONS, SIMON, CA
[71] HEXO OPERATIONS INC., CA
[85] 2024-05-16
[86] 2022-11-07 (PCT/CA2022/051641)
[87] (WO2023/087097)
[30] US (63/281,476) 2021-11-19

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[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01)**
[25] EN
[54] **ORTHOPEDIC IMPLANT HAVING MECHANICAL INTERLOCKING SUBUNITS AND RELATED METHODS**
[54] **IMPLANT ORTHOPEDIQUE AYANT DES SOUS-UNITES A EMBOITEMENT MECANIQUE ET PROCEDES ASSOCIES**
[72] PONTIUS, UWE R., US
[71] PONTIUS, UWE R., US
[85] 2024-05-16
[86] 2022-11-22 (PCT/US2022/050779)
[87] (WO2023/091798)
[30] US (17/456,116) 2021-11-22

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01) H05F 3/02 (2006.01)**
[25] EN
[54] **DECORATIVE PANEL**
[54] **PANNEAU DECORATIF**
[72] BAERT, THOMAS LUC MARTINE, BE
[72] VAN POYER, TOM, CN
[72] BOON, SVEN, CN
[71] CHAMPION LINK INTERNATIONAL CORPORATION, AI
[85] 2024-05-16
[86] 2022-11-16 (PCT/EP2022/082158)
[87] (WO2023/088975)
[30] NL (2029766) 2021-11-16

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[13] A1
[51] **Int.Cl. E04G 5/02 (2006.01) E04G 5/14 (2006.01) E04G 21/32 (2006.01)**
[25] EN
[54] **MODULAR FREE-STANDING BALLASTED GUARDRAIL SYSTEM**
[54] **SYSTEME DE GLISSIERE DE SECURITE LESTE MODULAIRE AUTONOME**
[72] VOSS, BARRY, AU
[72] VOSS, MURRAY, AU
[71] SAYFA R&D PTY LTD, AU
[85] 2024-05-16
[86] 2023-12-13 (PCT/AU2023/051290)
[87] (WO2024/092325)
[30] AU (2022903834) 2022-12-14

[21] **3,238,391**
[13] A1
[51] **Int.Cl. B29C 53/68 (2006.01)**
[25] FR
[54] **DEVICE FOR THE MANUFACTURE OF AN UNCONSOLIDATED TEXTILE ELONGATE MEMBER**
[54] **DISPOSITIF DE FABRICATION D'UN ELEMENT ALLONGE TEXTILE ET NON CONSOLIDE**
[72] LAINE, BERTRAND, FR
[72] AZRAN, AYMERIC, FR
[71] OLLOW, FR
[85] 2024-05-16
[86] 2022-11-17 (PCT/EP2022/082313)
[87] (WO2023/089051)
[30] FR (FR2112160) 2021-11-17

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[13] A1
[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/44 (2013.01) H04L 9/30 (2006.01)**
[25] EN
[54] **SECURE INFORMATION DELIVERY IN AN UNTRUSTED ENVIRONMENT**
[54] **DISTRIBUTION SECURISEE D'INFORMATIONS DANS UN ENVIRONNEMENT NON SECURISE**
[72] DUNCAN, JOSEPH SHANNON, US
[72] ZIMMERMAN, ADAM RICHARD, US
[72] PENTAPATI, NAGA VENKATA SIVA PRAKASH, US
[71] LIVERAMP, INC., US
[85] 2024-05-16
[86] 2022-11-19 (PCT/US2022/050510)
[87] (WO2023/091731)
[30] US (63/281,420) 2021-11-19

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[13] A1
[51] **Int.Cl. C12Q 1/6851 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME CELLULAR DRUG-TARGET ENGAGEMENT**
[54] **SYSTEMES ET PROCEDES POUR L'ENGAGEMENT CELLULAIRE EN TEMPS REEL ENTRE LA CIBLE ET LE MEDICAMENT**
[72] BABIC, IVAN, US
[72] NURMAMMADOV, ELMAR, US
[71] NERD BIO LLC, US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/050284)
[87] (WO2023/091588)
[30] US (63/280,287) 2021-11-17

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/18 (2006.01)**
[25] EN
[54] **CAPTURING CARBON DIOXIDE**
[54] **CAPTURE DE DIOXYDE DE CARBONE**
[72] REPASKY, JOHN MICHAEL, CA
[72] OLMSTEAD, DOUGLAS EDWARD, CA
[72] O'BRIEN, MEGAN LYNN, CA
[72] BASTIDAS, TERESA JULIET PENA, CA
[72] WILKE, TODD ERNEST, CA
[71] CARBON ENGINEERING ULC, CA
[85] 2024-05-16
[86] 2022-12-07 (PCT/US2022/052175)
[87] (WO2023/107578)
[30] US (63/286,903) 2021-12-07

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[13] A1
[51] **Int.Cl. A01J 25/00 (2006.01) A01J 25/12 (2006.01) A01J 27/04 (2006.01) A23C 19/09 (2006.01)**
[25] EN
[54] **EQUIPMENT FOR THE PRODUCTION OF STUFFED CHEESE, PARTICULARLY BURRATA CHEESE**
[54] **EQUIPEMENT POUR LA PRODUCTION DE FROMAGE FARCI, EN PARTICULIER DE FROMAGE DE TYPE BURRATA**
[72] MAROTTA, CARMINE, IT
[71] MAROTTA, CARMINE, IT
[85] 2024-05-16
[86] 2022-11-16 (PCT/IB2022/061035)
[87] (WO2023/089498)
[30] IT (102021000029345) 2021-11-19

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[13] A1
[51] **Int.Cl. G05B 23/02 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINING THE STATE OF HEALTH OF AN INDUSTRIAL PROCESS**
[54] **PROCEDES DE DETERMINATION DE L'ETAT DE SANTE D'UN PROCESSUS INDUSTRIEL**
[72] ABUKWAIK, HADIL, DE
[72] SHARMA, DIVYASHEEL, IN
[72] KLOEPPER, BENJAMIN, DE
[72] KOTRIWALA, ARZAM MUZAFFAR, DE
[72] RODRIGUEZ, PABLO, DE
[72] SCHMIDT, BENEDIKT, DE
[72] TAN, RUOMU, DE
[72] K R, CHANDRIKA, IN
[72] BORRISON, REUBEN, DE
[72] DIX, MARCEL, DE
[72] DOPPELHAMER, JENS, DE
[71] ABB SCHWEIZ AG, CH
[85] 2024-05-16
[86] 2022-11-18 (PCT/EP2022/082386)
[87] (WO2023/089085)
[30] EP (21209618.4) 2021-11-22

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[13] A1
[51] **Int.Cl. C09D 11/101 (2014.01) C09D 11/03 (2014.01) C09D 11/037 (2014.01) C09D 11/106 (2014.01)**
[25] EN
[54] **METHODS FOR PRODUCING OVERT SECURITY FEATURES EXHIBITING ONE OR MORE INDICIA**
[54] **PROCEDES DE PRODUCTION DE CARACTERISTIQUES DE SECURITE MANIFESTES PRESENTANT UN OU PLUSIEURS ELEMENTS VISUELS**
[72] PITTET, HERVE, CH
[72] VEYA, PATRICK, CH
[72] BERSIER, MELISSA, CH
[71] SICPA HOLDING SA, CH
[85] 2024-05-16
[86] 2022-11-11 (PCT/EP2022/081647)
[87] (WO2023/088805)
[30] EP (21209104.5) 2021-11-18

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **SCFV AND ANTIBODIES WITH REDUCED MULTIMERISATION**
[54] **SCFV ET ANTICORPS A MULTIMERISATION REDUITE**
[72] LUND-HANSEN, TORBEN, DK
[72] LIEBENBERG, NICO, DK
[72] MORTENSEN, MATIAS MUNCK, DK
[72] LISBY, STEEN, DK
[71] Y-MABS THERAPEUTICS, INC., US
[85] 2024-05-16
[86] 2022-12-14 (PCT/DK2022/050280)
[87] (WO2023/110045)
[30] DK (PA 2021 70622) 2021-12-15

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[13] A1
[51] **Int.Cl. A61G 7/075 (2006.01)**
[25] EN
[54] **SUPPORT DEVICE FOR SUPPORTING A BODY PART OF A USER**
[54] **DISPOSITIF DE SUPPORT POUR SUPPORTER UNE PARTIE DU CORPS D'UN UTILISATEUR**
[72] GUETTLER, INGO, DE
[72] ZIERMANN, FRANK, DE
[71] CO12 GMBH, DE
[85] 2024-05-16
[86] 2022-11-18 (PCT/EP2022/082439)
[87] (WO2023/089111)
[30] DE (10 2021 130 449.0) 2021-11-22

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[13] A1
[51] **Int.Cl. E21B 33/035 (2006.01) B63B 21/27 (2006.01) E21B 41/08 (2006.01)**
[25] EN
[54] **SUBSEA WELLHEAD SYSTEM**
[54] **SYSTEME DE TETE DE PUITS SOUS-MARIN**
[72] SPALDER, BRYNJULF, NO
[72] SCHULLER, ROLF BARFOD, NO
[71] AKER SOLUTIONS SUBSEA AS, NO
[85] 2024-05-16
[86] 2022-12-16 (PCT/NO2022/050311)
[87] (WO2023/113613)
[30] GB (2118352.0) 2021-12-17

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[13] A1
[51] **Int.Cl. G01N 24/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING SURFACTANT IMPACT ON RESERVOIR WETTABILITY**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'IMPACT DE TENSIOACTIFS SUR LA MOUILLABILITE DE RESERVOIRS**
[72] EL-SOBKY, HESHAM F., US
[72] BONNIE, RONALD J. M., US
[72] JIANG, TIANMIN, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/050092)
[87] (WO2023/091478)
[30] US (63/279,807) 2021-11-16

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[13] A1
[51] **Int.Cl. H04N 23/60 (2023.01) A61B 5/1171 (2016.01) G06V 40/10 (2022.01)**
[25] EN
[54] **ELECTRONIC APPARATUS FOR OBTAINING BIOMETRIC INFORMATION OF COMPANION ANIMAL AND OPERATION METHOD THEREOF**
[54] **APPAREIL ELECTRONIQUE POUR OBTENIR DES RENSEIGNEMENTS BIOMETRIQUES D'UN ANIMAL DE COMPAGNIE ET METHODE D'EXPLOITATION CONNEXE**
[72] PAK, DAE HYUN, KR
[72] LIM, JOON HO, KR
[71] PETNOW INC., KR
[85] 2024-05-16
[86] 2022-12-09 (PCT/KR2022/019991)
[87] (WO2023/106874)
[30] KR (10-2021-0177064) 2021-12-10
[30] KR (10-2022-0113809) 2022-09-07
[30] KR (10-2022-0170852) 2022-12-08

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY AND USE THEREOF**
[54] **ANTICORPS BISPECIFIQUE ET SON UTILISATION**
[72] FANG, LIJUAN, CN
[72] ZHANG, JING, CN
[72] HUA, SHAN, CN
[72] ZHOU, PENGFEI, CN
[71] WUHAN YZY BIOPHARMA CO., LTD., CN
[85] 2024-05-16
[86] 2021-11-19 (PCT/CN2021/131804)
[87] (WO2023/087255)

[21] **3,238,408**
[13] A1
[51] **Int.Cl. E01C 23/01 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETECTING DEFLECTION BASIN BASED ON DEFORMATION SPEED UNDER ROLLING LOAD**
[54] **PROCEDE ET DISPOSITIF DE DETECTION DE BASSIN DE DEFLEXION BASES SUR DES VITESSES DE DEFORMATION SOUS L'ACTION D'UNE CHARGE DE ROULEMENT**
[72] LI, QINGQUAN, CN
[72] LIN, HONG, CN
[72] CAO, MIN, CN
[72] WANG, XINLIN, CN
[72] ZHOU, HUIHONG, CN
[72] WEI, SHISHI, CN
[71] WUHAN OPTICS VALLEY ZOYON SCIENCE AND TECHNOLOGY CO., LTD., CN
[85] 2024-05-16
[86] 2022-09-14 (PCT/CN2022/118738)
[87] (WO2024/011746)
[30] CN (202210814910.8) 2022-07-11

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01) A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 5/48 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] HOLMQVIST, ANDERS, SE
[71] SHAILY (UK) LTD, GB
[85] 2024-05-16
[86] 2023-08-16 (PCT/GB2023/052154)
[87] (WO2024/038273)
[30] GB (2212140.4) 2022-08-19

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/00 (2006.01) A61P 35/04 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF CANCER**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DU CANCER**
[72] BAUMAN, JULIE E., US
[71] AVEO PHARMACEUTICALS, INC., US
[85] 2024-05-16
[86] 2021-11-18 (PCT/US2021/059975)
[87] (WO2023/091137)

[21] **3,238,416**
[13] A1
[51] **Int.Cl. A61K 31/69 (2006.01) A61K 33/243 (2019.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR CANCER**
[54] **POLYTHERAPIE POUR LE CANCER**
[72] HAYS, HENRY CHARLES WILSON, GB
[72] WOOD, CHRISTOPHER BARRY, GB
[72] DEMPSEY, FIONA CAROLYN, GB
[72] CRICHTON, SCOTT JAMES, GB
[72] INGHAM, JAMES ALEXANDER, GB
[72] FABIAN, CHARLENE, GB
[71] MEDANNEX LTD., GB
[85] 2024-05-16
[86] 2022-11-18 (PCT/EP2022/082515)
[87] (WO2023/089150)
[30] GB (2116680.6) 2021-11-18
[30] GB (2208893.4) 2022-06-16

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[13] A1
[51] **Int.Cl. A61B 5/256 (2021.01) A61B 5/291 (2021.01)**
[25] EN
[54] **FLEXIBLE BIOSENSOR & ELECTRODE REFINEMENTS**
[54] **AMELIORATIONS D'ELECTRODE ET DE BIOCAPTEUR SOUPLES**
[72] YONCE, DAVID, US
[72] ARCAND, BENJAMIN, US
[72] TETRO, RYAN, US
[71] COGWEAR, INC., US
[85] 2024-05-16
[86] 2022-11-23 (PCT/US2022/050922)
[87] (WO2023/097014)
[30] US (63/282,550) 2021-11-23

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[13] A1
[51] **Int.Cl. B21H 3/08 (2006.01) B23G 7/02 (2006.01) B23P 6/00 (2006.01)**
[25] EN
[54] **FEMALE THREAD REPAIRING TOOL**
[54] **OUTIL DE REPARATION DE FILETAGES FEMELLES**
[72] LITVAK, BORIS SEMENOVICH, RU
[72] SILBERKUHL, PHILIPP SEBASTIAN, RU
[71] USPENSKAYA, YULIA, DE
[85] 2024-05-16
[86] 2021-11-22 (PCT/RU2021/000518)
[87] (WO2023/091045)

[21] **3,238,419**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01)**
[25] EN
[54] **SLEEP SYSTEM WITH FEATURES FOR PERSONALIZED DAYTIME ALERTNESS QUANTIFICATION**
[54] **SYSTEME DE SOMMEIL DOTE DE CARACTERISTIQUES POUR UNE QUANTIFICATION DE VIGILANCE DE JOUR PERSONNALISEE**
[72] GARCIA MOLINA, GARY N., US
[72] BARR, SHAWN, US
[71] SLEEP NUMBER CORPORATION, US
[85] 2024-05-16
[86] 2022-09-02 (PCT/US2022/042494)
[87] (WO2023/113876)
[30] US (63/290,464) 2021-12-16

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[13] A1
[51] **Int.Cl. A01G 33/00 (2006.01) C12M 1/12 (2006.01) C12N 1/12 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SEPARATION, CONCENTRATION, AND COLLECTION OF ALGAL BIOMASS FROM AQUEOUS OR MARINE CULTURE**
[54] **DISPOSITIF ET PROCEDE DE SEPARATION, DE CONCENTRATION ET DE COLLECTE DE BIOMASSE ALGALE A PARTIR D'UNE CULTURE AQUEUSE OU MARINE**
[72] CAMPBELL, CONOR, US
[71] CAMPBELL, CONOR, US
[85] 2024-05-16
[86] 2022-11-22 (PCT/US2022/050765)
[87] (WO2023/091794)
[30] US (63/264,395) 2021-11-22

[21] **3,238,421**
[13] A1
[51] **Int.Cl. G01D 5/241 (2006.01)**
[25] EN
[54] **CAPACITANCE SENSING FOR COMPONENT POSITIONING DETECTION**
[54] **DETECTION DE CAPACITE POUR DETECTION DE POSITIONNEMENT DE COMPOSANT**
[72] SUN, KEPEI, US
[72] LACROIX, BENJAMIN, US
[72] CARDINALI, STEVEN, US
[72] BREINGAN, KYLE, US
[72] WITT, JERRY, US
[72] REISTAD, CAROLYN, US
[72] CONTE, NICHOLAS, US
[71] INSULET CORPORATION, US
[85] 2024-05-16
[86] 2022-11-28 (PCT/US2022/051074)
[87] (WO2023/101909)
[30] US (63/284,150) 2021-11-30

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[13] A1
[51] **Int.Cl. A23L 2/72 (2006.01) A23L 25/00 (2016.01) A23L 11/60 (2021.01) A23L 2/74 (2006.01) B01D 25/12 (2006.01) B01D 25/127 (2006.01) B01D 25/164 (2006.01) B01D 25/28 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING DAIRY SUBSTITUTE PRODUCTS**
[54] **PROCEDE DE PRODUCTION DE PRODUITS DE SUBSTITUTION AUX PRODUITS LAITIERS**
[72] HARMEGNIES, FREDERIQUE, BE
[72] HAERINCK, MATHIEU, BE
[72] LAMBIN, LORANNE, BE
[72] CANTILLON, PASCAL, BE
[72] SIMAL, OLIVIER, BE
[71] MEURA S.A., BE
[85] 2024-05-16
[86] 2023-02-16 (PCT/EP2023/053964)
[87] (WO2023/156562)
[30] BE (BE2022/5110) 2022-02-18

[21] **3,238,424**
[13] A1
[51] **Int.Cl. A61C 7/08 (2006.01) A61C 19/06 (2006.01)**
[25] EN
[54] **ORTHODONTIC DEVICES FOR DELIVERY OF AN ACTIVE AGENT**
[54] **DISPOSITIFS ORTHODONTIQUES POUR L'ADMINISTRATION D'UN AGENT ACTIF**
[72] PHAN, LOC, US
[71] SMYLIO INC., US
[85] 2024-05-16
[86] 2022-12-07 (PCT/US2022/081126)
[87] (WO2023/108032)
[30] US (63/287,023) 2021-12-07

[21] **3,238,425**
[13] A1
[51] **Int.Cl. B65H 39/06 (2006.01)**
[25] EN
[54] **CARD PROCESSING AND ATTACHING SYSTEM**
[54] **SYSTEME DE TRAITEMENT ET DE FIXATION DE CARTES**
[72] ROZENFELD, BORIS, US
[72] YAP, ANTHONY E., US
[72] CRUZ, GEORGE, US
[72] MASOTTA, JOHN ROBERT, US
[72] RICHARD, CRAIG D., US
[72] ALLEN, ROBERT J., US
[72] EDEL, EDDY, US
[71] DMT SOLUTIONS GLOBAL CORPORATION, US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050458)
[87] (WO2023/091699)
[30] US (63/280,759) 2021-11-18

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[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01) G16H 80/00 (2018.01) G01N 27/00 (2006.01) G01N 27/22 (2006.01) G01N 27/74 (2006.01) G01N 33/558 (2006.01) G01N 33/571 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ELECTROMAGNETIC SENSING OF LATERAL FLOW ASSAYS**
[54] **DISPOSITIFS ET PROCEDES DE DETECTION ELECTROMAGNETIQUE DE TEST A FLUX LATERAL**
[72] O'NEILL, PATRICK, CA
[72] MELNYK, ADAM, CA
[72] KUMHYR, MARK, CA
[71] 11281232 CANADA INC., CA
[85] 2024-05-16
[86] 2022-11-17 (PCT/IB2022/061073)
[87] (WO2023/089511)
[30] US (63/280,191) 2021-11-17

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[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01) A61K 47/56 (2017.01) A61K 47/64 (2017.01) A61K 49/00 (2006.01) C08G 69/10 (2006.01) C08G 69/36 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **COMPLEXES COMPRISING A SHIELDING COMPONENT**
[54] **COMPLEXES COMPRENANT UN COMPOSANT DE PROTECTION**
[72] DEMING, TIMOTHY JON, US
[72] LEON, CARLES FELIP, ES
[72] DOLZ PEREZ, IRENE, ES
[72] ESTEBAN PEREZ, SERGIO, ES
[72] HERRERA MUNOZ, LIDIA, ES
[72] NEBOT CARDA, VICENT JOSEP, ES
[71] POLYPEPTIDE THERAPEUTIC SOLUTIONS, S.L., ES
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2024-05-16
[86] 2022-11-24 (PCT/EP2022/083118)
[87] (WO2023/094518)
[30] EP (21383069.8) 2021-11-25

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[13] A1
[51] **Int.Cl. H02K 11/33 (2016.01)**
[25] EN
[54] **INVERTER HAVING SEAL MEMBER BETWEEN POWER SEMI-CONDUCTOR AND INVERTER MOUNT**
[54] **ONDULEUR AYANT UN ELEMENT D'ETANCHEITE ENTRE UN SEMI-CONDUCTEUR DE PUISSANCE ET UN SUPPORT D'ONDULEUR**
[72] PUMP, CHRISTOPHER D., US
[71] AMERICAN AXLE & MANUFACTURING, INC., US
[85] 2024-05-16
[86] 2022-11-09 (PCT/US2022/049362)
[87] (WO2023/091338)
[30] US (63/264,201) 2021-11-17

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[13] A1
[51] **Int.Cl. A61K 31/4196 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR USE IN TREATING GASTRIC CANCER**
[54] **COMPOSES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DU CANCER DE L'ESTOMAC**
[72] VISHNUDAS, VIVEK K., US
[71] BERG LLC, US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/050289)
[87] (WO2023/091590)
[30] US (63/280,540) 2021-11-17

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[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01)**
[25] EN
[54] **LOW-CARBON HYDROGEN PROCESS**
[54] **PROCEDE D'HYDROGENE BAS CARBONE**
[72] DAVIS, DAVID, GB
[72] GERMANI, GABRIELE, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2024-05-16
[86] 2023-01-11 (PCT/GB2023/050040)
[87] (WO2023/148469)
[30] GB (2201332.0) 2022-02-02

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTISENSE INHIBITORS OF MIR17HG PRE-RNA AS THERAPEUTIC AGENTS IN CANCER**
[54] **INHIBITEURS ANTI-SENS DE PRE-ARN DE MIR17HG UTILISES COMME AGENTS THERAPEUTIQUES CONTRE LE CANCER**
[72] MUNSHI, NIKHIL C., US
[72] MORELLI, EUGENIO, US
[72] GRYAZNOV, SERGEI, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2024-05-16
[86] 2022-11-29 (PCT/US2022/080563)
[87] (WO2023/102377)
[30] US (63/284,527) 2021-11-30

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[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/437 (2006.01) C07D 471/04 (2006.01) C07D 498/14 (2006.01)**
[25] EN
[54] **ANTI-APOPTOTIC PROTEIN BCL-2 INHIBITOR, PHARMACEUTICAL COMPOSITION AND USES THEREOF**
[54] **INHIBITEUR DE LA PROTEINE BCL-2 ANTI-APOPTOTIQUE, COMPOSITION PHARMACEUTIQUE ET UTILISATIONS DE CELUI-CI**
[72] LIU, XINGGUO, CN
[72] SU, MINGBO, CN
[72] WU, YIZHE, CN
[72] GAO, ANHUI, CN
[72] ZHOU, XINGLU, CN
[72] ZHONG, LI, CN
[72] HU, MIAO, CN
[72] HUANG, JINGLAI, CN
[72] JING, HANGHUI, CN
[72] ZHU, JIANRONG, CN
[71] HANGZHOU HEALZEN THERAPEUTICS CO., LTD., CN
[71] GUANGDONG HONGYE PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-16
[86] 2022-12-06 (PCT/CN2022/136989)
[87] (WO2023/104043)
[30] CN (202111476265.5) 2021-12-06
[30] CN (202211009107.3) 2022-08-22

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[13] A1
[51] **Int.Cl. B65B 3/00 (2006.01) B65B 3/18 (2006.01) B65B 29/00 (2006.01) B65B 39/04 (2006.01)**
[25] EN
[54] **REFILLING DEVICE WITH VENTING NOZZLE, AND REFILLING APPARATUS**
[54] **DISPOSITIF DE REMPLISSAGE AVEC BUSE DE MISE A L'AIR LIBRE, ET APPAREIL DE REMPLISSAGE**
[72] ROTHWELL, HOWARD, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2024-05-16
[86] 2022-11-21 (PCT/GB2022/052946)
[87] (WO2023/094799)
[30] GB (2116908.1) 2021-11-24
[30] GB (2118361.1) 2021-12-17

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[13] A1
[51] **Int.Cl. C25B 11/054 (2021.01) C25B 9/23 (2021.01) C25B 11/037 (2021.01) C25B 11/052 (2021.01) C25B 11/067 (2021.01) C25B 11/081 (2021.01) B01J 23/62 (2006.01) C25B 1/04 (2021.01)**
[25] EN
[54] **ELECTRODE CATALYST AND WATER ELECTROLYSIS CELL**
[54] **CATALYSEUR D'ELECTRODE ET CELLULE D'ELECTROLYSE DE L'EAU**
[72] KAKINUMA, KATSUYOSHI, JP
[72] UCHIDA, MAKOTO, JP
[72] IIYAMA, AKIHIRO, JP
[71] UNIVERSITY OF YAMANASHI, JP
[85] 2024-05-16
[86] 2022-11-22 (PCT/JP2022/043188)
[87] (WO2023/095791)
[30] JP (2021-191777) 2021-11-26

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[13] A1
[51] **Int.Cl. H02S 40/30 (2014.01)**
[25] EN
[54] **DISPATCHABLE DECENTRALIZED SCALABLE SOLAR GENERATION SYSTEMS**
[54] **SYSTEMES DE GENERATION SOLAIRE EVOLUTIFS DECENTRALISES ACHEMINABLES**
[72] DIVAN, DEEPAK M., US
[72] SUNE, JOSEPH BENZAQUEN, US
[72] AN, ZHENG, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2024-05-16
[86] 2023-01-06 (PCT/US2023/060226)
[87] (WO2023/133501)
[30] US (63/297,422) 2022-01-07

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[13] A1
[51] **Int.Cl. C07D 209/16 (2006.01) A61K 31/404 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **DIMETHYLTRYPTAMINE ANALOGUES AS NITRIC OXIDE DELIVERY DRUGS**
[54] **ANALOGUES DE DIMETHYLTRYPTAMINE UTILISES EN TANT QUE MEDICAMENTS D'ADMINISTRATION D'OXYDE NITRIQUE**
[72] SHORT, GLENN, US
[72] PERNI, ROBERT B., US
[72] KHAN, TANWEER, US
[71] ATAI THERAPEUTICS, INC., US
[85] 2024-05-16
[86] 2022-12-28 (PCT/US2022/082465)
[87] (WO2023/129956)
[30] US (63/295,199) 2021-12-30

[21] **3,238,441**
[13] A1
[51] **Int.Cl. C08F 265/02 (2006.01) C08F 2/22 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING OPACIFYING PIGMENT-BINDER HYBRID POLYMER PARTICLES**
[54] **PROCEDE DE PREPARATION DE PARTICULES DE POLYMERE HYBRIDE LIANT UN PIGMENT OPACIFIANT**
[72] LEONARD, MICHAEL W., US
[71] ROHM AND HAAS COMPANY, US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050365)
[87] (WO2023/091641)
[30] US (63/281,761) 2021-11-22

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[13] A1
[51] **Int.Cl. C08F 265/02 (2006.01) C08F 265/04 (2006.01) C08F 285/00 (2006.01) C09D 151/00 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF OPACIFYING PIGMENT-BINDER HYBRID POLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES POLYMERES HYBRIDES PIGMENT-LIANT OPACIFIANTE**
[72] LEONARD, MICHAEL W., US
[71] ROHM AND HAAS COMPANY, US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050362)
[87] (WO2023/091638)
[30] US (63/281,759) 2021-11-22

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[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **SYSTEMS FOR CREATING A LUMEN**
[54] **SYSTEMES DE CREATION D'UNE LUMIERE**
[72] KOROTKO, JOSEPH R., US
[72] RISWADKAR, RAJ, US
[72] O'NEILL, WILLIAM W., US
[71] ACCUMED RADIAL SYSTEMS, LLC, US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/050584)
[87] (WO2023/091756)
[30] US (63/281,227) 2021-11-19
[30] US (PCT/US2022/024803) 2022-04-14
[30] US (63/335,494) 2022-04-27
[30] US (63/354,421) 2022-06-22

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01) G16H 20/30 (2018.01) G16H 50/50 (2018.01) G16H 10/60 (2018.01) G16H 30/20 (2018.01) A61C 7/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED 3D TEETH POSITIONS LEARNED FROM 3D TEETH GEOMETRIES**
[54] **SYSTEMES ET PROCEDES POUR DES POSITIONS DE DENTS 3D AUTOMATISEES APPRISES A PARTIR DE GEOMETRIES DE DENTS 3D**
[72] NIKOLSKIY, SERGEY, US
[72] AMELOV, RYAN, US
[72] ZADORA, ANTON SERGEEVICH, RU
[72] GROKHOLSKII, STANISLAV DMITRIEVICH, RU
[72] WUCHER, TIM, NA
[72] KATZMAN, JORDAN, US
[71] SDC U.S. SMILEPAY SPV, US
[85] 2024-05-16
[86] 2021-11-17 (PCT/RU2021/000513)
[87] (WO2023/091043)

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[13] A1
[51] **Int.Cl. C08F 4/64 (2006.01) C08F 4/659 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **SUPPORTED CATALYST SYSTEMS CONTAINING A GERMANIUM BRIDGED, ANTHRACENYL SUBSTITUTED BIS-BIPHENYL-PHENOXY ORGANOMETALLIC COMPOUND FOR MAKING POLYETHYLENE AND POLYETHYLENE COPOLYMER RESINS IN A GAS PHASE POLYMERIZATION REACTOR**
[54] **SYSTEMES CATALYTIQUES SUPPORTES CONTENANT UN COMPOSE ORGANOMETALLIQUE BIS-BIPHENYL-PHENOXY SUBSTITUE PAR ANTHRACENYLE A PONT GERMANIUM POUR FABRIQUER DES RESINES DE POLYETHYLENE ET DE COPOLYMERE DE POLYETHYLENE DANS UN REACTEUR DE POLYMERISATION EN PHASE GAZEUS**
[72] CAMELIO, ANDREW M., US
[72] BAILLIE, RHETT A., US
[72] BAILEY, BRAD C., US
[72] DELORBE, JOHNATHAN E., US
[72] DO, HIEN Q., US
[72] PEARSON, DAVID M., US
[72] FONTAINE, PHILIP P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/050606)
[87] (WO2023/096868)
[30] US (63/282,441) 2021-11-23

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[13] A1
[51] **Int.Cl. D21D 1/02 (2006.01) D21D 1/30 (2006.01)**
[25] EN
[54] **DEFLAKER WITH SERRATED TOOTH PATTERN**
[54] **DEPASTILLEUR DOTE D'UN MOTIF DE DENTS DENTELEES**
[72] GINGRAS, LUC, US
[72] IHALAINEN, ISMO, US
[71] ANDRITZ INC., US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/050288)
[87] (WO2023/101832)
[30] US (63/284,807) 2021-12-01

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[13] A1
[51] **Int.Cl. A61L 31/04 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **BIOABSORBABLE URETHRAL STENT**
[54] **ENDOPROTHESE URETRALE BIOABSORBABLE**
[72] MUNOZ FERNANDEZ, ANTONIO, ES
[72] GEIJO ARENAL, DAVID, ES
[72] FERNANDEZ HERNANDEZ, JORGE, ES
[72] ANTIGUEDAD AMO, JUAN CARLOS, ES
[72] RUBIO EMAZABEL, LAURA, ES
[72] POLO ARROYABE, YURENA, ES
[71] POLIMERBIO, S.L., ES
[85] 2024-05-16
[86] 2022-11-17 (PCT/EP2022/082260)
[87] (WO2023/089021)
[30] EP (21383044.1) 2021-11-17

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[13] A1
[51] **Int.Cl. D21D 1/30 (2006.01)**
[25] EN
[54] **CONICAL INLET TRANSITION ZONE FOR MECHANICAL REFINERS**
[54] **ZONE DE COMPRESSION D'ENTREE CONIQUE POUR RAFFINEURS MECANIQUES**
[72] KOHLER, GREGORY R., US
[72] ZERBE, PAUL, US
[72] ORR, TIMOTHY, US
[72] GANTHER, KEVIN, US
[72] RUCH, JULIE, US
[71] ANDRITZ INC., US
[85] 2024-05-16
[86] 2022-11-28 (PCT/US2022/051060)
[87] (WO2023/101906)
[30] US (17/541,527) 2021-12-03

[21] **3,238,451**
[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 38/17 (2006.01) A61P 27/02 (2006.01) C12N 7/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR TREATMENT OF MACULAR DEGENERATION**
[54] **MATERIAUX ET PROCEDES POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE**
[72] CHAN, YING KAI, GB
[72] DICK, ANDREW, GB
[72] LIU, JIAN, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2024-05-16
[86] 2022-11-18 (PCT/EP2022/082518)
[87] (WO2023/089151)
[30] US (63/281,360) 2021-11-19

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[13] A1
[51] **Int.Cl. C08F 4/64 (2006.01) C08F 4/659 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **SUPPORTED CATALYST SYSTEMS CONTAINING A SILOCON BRIDGED, ANTHRACENYL SUBSTITUTED BIS-BIPHENYL-PHENOXY ORGANOMETALLIC COMPOUND FOR MAKING POLYETHYLENE AND POLYETHYLENE COPOLYMER RESINS IN A GAS PHASE POLYMERIZATION REACTO**
[54] **SYSTEMES CATALYTIQUES SUPPORTES CONTENANT UN COMPOSE ORGANOMETALLIQUE DE BIS-BIPHENYL-PHENOXY SUBSTITUE PAR ANTHRACENYLE A PONT DE SILICIUM POUR LA FABRICATION DE POLYETHYLENE ET DE RESINES COPOLYMERES DE POLYETHYLENE DANS UN REACTEUR DE POLYMERISATION EN PHASE GAZEUS**
[72] CAMELIO, ANDREW M., US
[72] BAILLIE, RHETT A., US
[72] BAILEY, BRAD C., US
[72] DELORBE, JOHNATHAN E., US
[72] DO, HIEN Q., US
[72] PEARSON, DAVID M., US
[72] FONTAINE, PHILIP P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/050600)
[87] (WO2023/096865)
[30] US (63/282,445) 2021-11-23

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[13] A1
[51] **Int.Cl. C12C 11/00 (2006.01) C12C 13/00 (2006.01) G05B 13/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PROVIDING BEVERAGE MANUFACTURING ANALYSIS**
[54] **PROCEDE ET DISPOSITIF POUR FOURNIR UNE ANALYSE DE FABRICATION DE BOISSON**
[72] DEELEN, WILLEM GERRIT, NL
[72] MAAGD, MICHIEL HERMAN, NL
[72] BING, XIAOYUN, NL
[72] RAMIREZ, RAMON MARIN, NL
[72] PAVLOVIC, DAVID, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2024-05-16
[86] 2022-11-24 (PCT/NL2022/050679)
[87] (WO2023/096487)
[30] EP (21210311.3) 2021-11-24

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61B 5/1495 (2006.01) G01N 21/65 (2006.01)**
[25] EN
[54] **CALIBRATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'ETALONNAGE**
[72] LUNDSGAARD-NIELSEN, SIGNE MARIA, DK
[72] PORS, ANDERS, DK
[72] WEBER, ANDERS, DK
[71] RSP SYSTEMS A/S, DK
[85] 2024-05-16
[86] 2022-10-12 (PCT/EP2022/078431)
[87] (WO2023/094069)
[30] GB (2116869.5) 2021-11-23

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[13] A1
[51] **Int.Cl. F23D 3/08 (2006.01) B23K 26/362 (2014.01) B23K 26/402 (2014.01) C11C 5/02 (2006.01) F23D 3/02 (2006.01)**
[25] EN
[54] **COLORED PLANAR WICK**
[54] **MECHE PLANE COLOREE**
[72] DECKER, DAYNA, US
[71] LUMETIQUE, INC., US
[71] DECKER, DAYNA, US
[85] 2024-05-16
[86] 2022-11-22 (PCT/US2022/050654)
[87] (WO2023/091774)
[30] US (63/281,797) 2021-11-22

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[13] A1
[51] **Int.Cl. H01M 10/04 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY AND SECONDARY BATTERY COMPRISING SAME**
[54] **ENSEMBLE ELECTRODE ET BATTERIE SECONDAIRE LE COMPRENANT**
[72] PARK, INBOK, KR
[72] YANG, DONGHYEONG, KR
[72] WOO, JAE YOUNG, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2022-11-18 (PCT/KR2022/018350)
[87] (WO2023/090953)
[30] KR (10-2021-0160355) 2021-11-19

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/725 (2006.01)**
[25] EN
[54] **LARGE-SCALE EXPANSION OF ENGINEERED HUMAN GAMMA DELTA T CELLS**
[54] **MULTIPLICATION A GRANDE ECHELLE DE LYMPHOCYTES T GAMMA HUMAINS MODIFIES**
[72] WEBBER, BEAU R., US
[72] MORIARITY, BRANDEN S., US
[72] BRIDGE, JACOB E., US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/080169)
[87] (WO2023/092091)
[30] US (63/280,917) 2021-11-18

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[13] A1
[51] **Int.Cl. C08F 4/64 (2006.01) C08F 4/659 (2006.01) C08F 210/16 (2006.01)**
[25] EN
[54] **SUPPORTED CATALYST SYSTEMS CONTAINING A CARBON BRIDGED, ANTHRACENYL SUBSTITUTED BIS-BIPHENYL-PHENOXY ORGANOMETALLIC COMPOUND FOR MAKING POLYETHYLENE AND POLYETHYLENE COPOLYMER RESINS IN A GAS PHASE POLYMERIZATION REACTOR**
[54] **SYSTEMES CATALYSEURS SUPPORTES CONTENANT UN COMPOSE ORGANOMETALLIQUE DE BIS-BIPHENYL-PHENOXY A PONT CARBONE SUBSTITUE PAR ANTHRACENYLE POUR FABRIQUER DES RESINES DE POLYETHYLENE ET DE COPOLYMERE DE POLYETHYLENE DANS UN REACTEUR DE POLYMERISATION EN PHASE GAZEUSE**
[72] CAMELIO, ANDREW M., US
[72] BAILLIE, RHETT A., US
[72] BAILEY, BRAD C., US
[72] DELORBE, JOHNATHAN E., US
[72] DO, HIEN Q., US
[72] PEARSON, DAVID M., US
[72] FONTAINE, PHILIP P., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/050595)
[87] (WO2023/096864)
[30] US (63/282,448) 2021-11-23

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[13] A1
[51] **Int.Cl. H01M 50/583 (2021.01) H01M 50/538 (2021.01) H01M 50/586 (2021.01) H01M 50/595 (2021.01)**
[25] EN
[54] **CURRENT COLLECTOR, JELLY ROLL, SECONDARY BATTERY, BATTERY PACK, AND VEHICLE**
[54] **COLLECTEUR DE COURANT, ROULEAU DE GELEE, BATTERIE SECONDAIRE, BLOC-BATTERIE ET VEHICULE**
[72] LEE, BYOUNGKOOK, KR
[72] KIM, BYUNG SUP, KR
[72] NAM, KYUNG HO, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2022-11-21 (PCT/KR2022/018386)
[87] (WO2023/090963)
[30] KR (10-2021-0160968) 2021-11-22

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[13] A1
[51] **Int.Cl. A41D 31/30 (2019.01) A61B 46/00 (2016.01) B32B 5/02 (2006.01) B32B 5/26 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/20 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **VIRAL BARRIER MEMBRANE**
[54] **MEMBRANE ETANCHE AUX VIRUS**
[72] MAIER, LEONHARD, DE
[72] SCHERER, MICHAEL, DE
[72] PAUKNER, MANUEL, DE
[71] RKW SE, DE
[85] 2024-05-16
[86] 2022-10-04 (PCT/EP2022/077596)
[87] (WO2023/088605)
[30] DE (10 2021 130 109:2) 2021-11-18

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[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01)**
[25] EN
[54] **DISPENSING DEVICE WITH IMPROVED MOTOR ASSEMBLY**
[54] **DISPOSITIF DE DISTRIBUTION AVEC ENSEMBLE MOTEUR AMELIORE**
[72] TRAMONTINA, PAUL F., US
[72] OSBORNE, CHARLES, US
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2024-05-16
[86] 2021-11-23 (PCT/US2021/060564)
[87] (WO2023/096629)

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[13] A1
[51] **Int.Cl. F16B 5/02 (2006.01)**
[25] EN
[54] **FIRST CONNECTOR, CONNECTING ASSEMBLY AND CONNECTING SYSTEM**
[54] **PREMIER CONNECTEUR, ENSEMBLE DE CONNEXION ET SYSTEME DE CONNEXION**
[72] LIN, XIAOQUN, CN
[72] LIN, XIAOHUAN, CN
[72] SU, WEISHENG, CN
[72] GUO, YUWU, CN
[71] GUANGZHOU JINIO TECHNOLOGY DEVELOPMENT CO., LTD., CN
[85] 2024-05-16
[86] 2022-12-20 (PCT/CN2022/140185)
[87] (WO2023/130950)
[30] CN (202210018877.8) 2022-01-09

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2023.01) H04W 4/029 (2018.01) H04W 48/16 (2009.01)**
[25] EN
[54] **PRIVACY-CENTRIC FOOT TRAFFIC ANALYSIS AND TRANSACTION ATTRIBUTION USING COMMON USER GROUPS**
[54] **ANALYSE DE CIRCULATION PIETONNIERE CENTREE SUR LA CONFIDENTIALITE ET ATTRIBUTION DE TRANSACTION EN UTILISANT DES GROUPES D'UTILISATEURS COMMUNS**
[72] DIXON, MARK CHRISTOPHER, US
[71] INMARKET MEDIA, LLC, US
[85] 2024-05-16
[86] 2022-11-15 (PCT/US2022/049884)
[87] (WO2023/091385)
[30] US (17/530,768) 2021-11-19

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[13] A1
[51] **Int.Cl. B05B 7/24 (2006.01)**
[25] EN
[54] **ASSEMBLY OF A CUP, LINER AND LID FOR A PAINT SPRAY GUN**
[54] **ENSEMBLE DE COUPE, REVETEMENT ET COUVERCLE POUR PISTOLET DE PULVERISATION DE PEINTURE**
[72] WAMBEKE, ALAIN MARCEL, BE
[72] VAN DRIESSCHE, DIRK, BE
[72] GREEVE, PIET JAN ERNST, BE
[71] CHEMICAR EUROPE NV, BE
[85] 2024-05-16
[86] 2022-11-17 (PCT/IB2022/061061)
[87] (WO2023/089507)
[30] BE (2021/5893) 2021-11-18

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[13] A1
[51] **Int.Cl. C12N 9/26 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE ALPHA-AMYLASES FOR STARCH LIQUEFACTION**
[54] **ALPHA-AMYLASES HAUTE PERFORMANCE POUR LA LIQUEFACTION DE L'AMIDON**
[72] ALKAN, VELI, NL
[72] KOLKMAN, MARC, NL
[72] KOOPMAN, FRANK, NL
[72] LEE, SANG-KYU, US
[72] LEEFLANG, CHRIS, NL
[72] NI, KEFENG, CN
[72] PRICELIUS, SINA, NL
[72] QIAN, ZHEN, US
[72] TANG, ZHONGMEI, CN
[72] VAN BRUSSEL-ZWIJNEN, MARCO, NL
[71] DANISCO US INC., US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050353)
[87] (WO2023/091631)
[30] US (63/280,891) 2021-11-18

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[13] A1
[51] **Int.Cl. D21H 17/06 (2006.01) C07H 13/06 (2006.01) D21H 17/16 (2006.01) D21H 17/24 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **WATER INSOLUBLE, HIGH MELTING POINT SACCHARIDE FATTY ACID ESTERS (SFAE)**
[54] **ESTERS D'ACIDE GRAS SACCHARIDIQUES A POINT DE FUSION ELEVE INSOLUBLES DANS L'EAU (SFAE)**
[72] SPENDER, JONATHAN, US
[72] BILODEAU, MICHAEL ALBERT, US
[72] MIKAIL, SAMUEL, US
[71] CHEMSTONE, INC., US
[85] 2024-05-16
[86] 2022-11-18 (PCT/IB2022/061156)
[87] (WO2023/089562)
[30] US (63/264,321) 2021-11-19

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[13] A1
[51] **Int.Cl. A21D 2/00 (2006.01) A21D 13/41 (2017.01) A21D 8/02 (2006.01) A21D 10/02 (2006.01)**
[25] FR
[54] **METHOD FOR PREPARING A FRESH PIZZA DOUGH FOR FUTURE USE**
[54] **PROCEDE DE PREPARATION D'UNE PATE A PIZZA FRAICHE POUR UTILISATION DIFFEREE**
[72] MAREE, ELVIRE, FR
[72] MICHEAUX, CLAIRE, FR
[71] CERELIA, FR
[85] 2024-05-16
[86] 2022-11-16 (PCT/FR2022/052106)
[87] (WO2023/089272)
[30] FR (2112196) 2021-11-18

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[13] A1
[51] **Int.Cl. B61L 27/57 (2022.01) B61L 27/20 (2022.01)**
[25] EN
[54] **METHOD FOR OPERATING A RAIL NETWORK, COMPRISING MONITORING OF INFRASTRUCTURE COMPONENTS**
[54] **METHODE D'EXPLOITATION D'UN RESEAU D'UN RESEAU FERROVIAIRE COMPRENANT LASURVEILLANCE DES ELEMENTS D'INFRASTRUCTURE**
[72] SCHMIDT, MARKUS, DE
[72] SICKINGER, ROBERT, DE
[71] GTS DEUTSCHLAND GMBH, DE
[85] 2024-05-16
[86] 2022-09-30 (PCT/EP2022/077277)
[87] (WO2023/094055)
[30] DE (10 2021 213 354.1) 2021-11-26

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[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **IMPLANTABLE AND BIODEGRADABLE DRUG DELIVERY DEVICES AND METHODS OF USE THEREOF**
[54] **DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT IMPLANTABLES ET BIODEGRADABLES ET LEURS PROCEDES D'UTILISATION**
[72] INDOLFI, LAURA, US
[72] LASHOF-SULLIVAN, MARGARET, US
[71] PANTHER THERAPEUTICS, INC., US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/079996)
[87] (WO2023/091976)
[30] US (63/280,497) 2021-11-17
[30] US (63/391,535) 2022-07-22

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[13] A1
[51] **Int.Cl. C40B 40/10 (2006.01) C12Q 1/6874 (2018.01)**
[25] EN
[54] **ENRICHED PEPTIDE DETECTION BY SINGLE MOLECULE SEQUENCING**
[54] **DETECTION DE PEPTIDES ENRICHIS PAR SEQUENCAGE DE MOLECULE UNIQUE**
[72] ANDERSON, NORMAN LEIGH, US
[72] RAZAVI, MORTEZA, CA
[71] SISCAPA ASSAY TECHNOLOGIES, INC., US
[85] 2024-05-16
[86] 2022-12-01 (PCT/US2022/080781)
[87] (WO2023/102502)
[30] US (63/284,990) 2021-12-01
[30] US (63/288,987) 2021-12-13
[30] US (63/296,196) 2022-01-04
[30] US (63/303,417) 2022-01-26
[30] US (63/313,760) 2022-02-25
[30] US (63/340,001) 2022-05-10
[30] US (63/348,213) 2022-06-02
[30] US (63/352,925) 2022-06-16
[30] US (63/373,875) 2022-08-30

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[13] A1
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/087 (2006.01) A61M 16/06 (2006.01) A61M 16/08 (2006.01)**
[25] EN
[54] **MASK WITH INTEGRATED CAPNOGRAPHY PORT**
[54] **MASQUE A ORIFICE DE CAPNOGRAPHIE INTEGRE**
[72] ROWE, DAVID J., US
[72] WOLF, SETH B., US
[72] CHEN, YUHSUAN, US
[72] SIMANTIRAS, STEPHEN E., US
[72] BOYER, ROBERT D., US
[72] NIEMEIER, JUSTIN T., US
[72] TESON, HANNAH M., US
[72] QUINN, MICHAEL V., US
[71] PARKER-HANNIFIN CORPORATION, US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/080099)
[87] (WO2023/154131)
[30] US (63/308,558) 2022-02-10

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[13] A1
[51] **Int.Cl. C08F 220/04 (2006.01) C08F 220/06 (2006.01) C08F 220/10 (2006.01) C08G 77/16 (2006.01) C08L 33/02 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **AQUEOUS POLYMER COMPOSITION**
[54] **COMPOSITION POLYMERE AQUEUSE**
[72] ZHANG, JINYUAN, CN
[72] LIU, HUI, CN
[72] DONG, XIANGTING, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2024-05-16
[86] 2021-11-23 (PCT/CN2021/132470)
[87] (WO2023/092285)

[21] **3,238,475**
[13] A1
[51] **Int.Cl. A61F 2/42 (2006.01)**
[25] EN
[54] **ANATOMICAL TALAR COMPONENT DESIGN FOR TOTAL ANKLE REPLACEMENT**
[54] **CONCEPTION D'ELEMENT ASTRAGLIEN ANATOMIQUE POUR REMPLACEMENT TOTAL DE LA CHEVILLE**
[72] GARLOCK, ADAM N., US
[72] DHILLON, BRAHAM, US
[72] PRIEDITIS, MARIS, US
[72] CHAN, BENJAMIN, US
[72] DORN, BRIAN, US
[72] MATUSKA, ANDREA, US
[71] ARTHREX, INC., US
[85] 2024-05-16
[86] 2022-12-02 (PCT/US2022/051611)
[87] (WO2023/102158)
[30] US (63/285,690) 2021-12-03
[30] US (63/337,556) 2022-05-02

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[13] A1
[51] **Int.Cl. H02J 1/14 (2006.01) H02J 3/28 (2006.01) G06Q 10/06 (2023.01) H04L 41/50 (2022.01)**
[25] EN
[54] **METHOD FOR MANAGING FLOW EQUALIZATION AMONG CONSUMERS ON A COMMON DISTRIBUTION NETWORK**
[54] **PROCEDE DE GESTION D'EGALISATION DE FLUX ENTRE DES CONSOMMATEURS SUR UN RESEAU DE DISTRIBUTION COMMUN**
[72] FIFIELD, JON M., US
[71] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/050168)
[87] (WO2023/091529)
[30] US (17/527,760) 2021-11-16

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[13] A1
[51] **Int.Cl. H01M 50/595 (2021.01) H01M 50/586 (2021.01)**
[25] EN
[54] **INSULATION TAPE, JELLY ROLL, SECONDARY BATTERY, BATTERY PACK, AND VEHICLE**
[54] **RUBAN ISOLANT, ROULEAU DE GELEE, BATTERIE SECONDAIRE, BLOC-BATTERIE ET VEHICULE**
[72] WON, JIN HYEOK, KR
[72] RYU, DUK HYUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2022-11-18 (PCT/KR2022/018310)
[87] (WO2023/090937)
[30] KR (10-2021-0160779) 2021-11-19

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[13] A1
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **CANINE UNICOMPARTIMENTAL ELBOW HUMERAL IMPLANT**
[54] **IMPLANT HUMERAL DE COUDE UNICOMPARTIMENTAL CANIN**
[72] CHRONZ, CHRISTOPH, DE
[72] ZOLNIR, DEJAN, DE
[72] HADZIHAFIZOVIC, ELVIR, DE
[71] ARTHREX, INC., US
[85] 2024-05-16
[86] 2022-12-02 (PCT/US2022/051609)
[87] (WO2023/107337)
[30] US (63/265,199) 2021-12-10

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[13] A1
[51] **Int.Cl. B62D 55/24 (2006.01) B29D 29/00 (2006.01)**
[25] EN
[54] **ELASTOMERIC ENDLESS TRACK AND METHOD FOR MANUFACTURING SAME**
[54] **CHENILLE ELASTOMERE ET SON PROCEDE DE FABRICATION**
[72] HALSTEAD, ERIC, CA
[72] CHAMPAGNE, OLIVIER, CA
[71] SOUCY INTERNATIONAL INC., CA
[85] 2024-05-16
[86] 2022-11-23 (PCT/CA2022/051719)
[87] (WO2023/092222)
[30] US (63/282,269) 2021-11-23

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[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE ET SON UTILISATION**
[72] LUO, HUIBING, CN
[72] LI, QING, CN
[71] SHANGHAI ALLIST PHARMACEUTICALS CO., LTD., CN
[85] 2024-05-16
[86] 2022-11-21 (PCT/CN2022/133171)
[87] (WO2023/093663)
[30] CN (202111404293.6) 2021-11-24

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[13] A1
[51] **Int.Cl. G05B 23/02 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR MONITORING A DEVICE**
[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'UN DISPOSITIF**
[72] DEELEN, WILLEM GERRIT, NL
[72] MAAGD, MICHIEL HERMAN, NL
[72] BING, XIAOYUN, NL
[72] RAMIREZ, RAMON MARIN, NL
[72] PAVLOVIC, DAVID, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2024-05-16
[86] 2022-11-24 (PCT/NL2022/050681)
[87] (WO2023/096489)
[30] EP (21210309.7) 2021-11-24

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[13] A1
[51] **Int.Cl. H04N 21/414 (2011.01) H04H 60/41 (2009.01) H04N 21/466 (2011.01) H04N 21/482 (2011.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR GEOSPATIAL IDENTIFICATION OF MEDIA STREAMS**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION GEOSPATIALE DE FLUX MULTIMEDIAS**
[72] ADYANTHAYA, MOKSHA, US
[72] BRODY, PAUL, US
[72] COLLINS, SCOTT, US
[72] KIM, JACK, US
[72] EMERSON, SARAH KATE, US
[72] ONO, YURI, US
[72] WILCOX, ERIC, US
[72] STERN, RICHARD, US
[72] SKUSE, BRIAN, US
[72] ERTHEIN, NICOLE, US
[72] KALRA, DEVKI, US
[72] KING, JOSEPH, US
[72] GOMEZ, JOSEPH, US
[71] TUNEIN, INC., US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/050300)
[87] (WO2023/091599)
[30] US (63/280,425) 2021-11-17
[30] US (63/296,717) 2022-01-05
[30] US (63/296,740) 2022-01-05

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[51] **Int.Cl. E21B 17/042 (2006.01)**
[25] EN
[54] **DRILLING COMPONENT**
[54] **ELEMENT DE FORAGE**
[72] JANSSON, TOMAS, SE
[72] NORDBERG, ANDERS, SE
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[85] 2024-05-16
[86] 2023-01-30 (PCT/EP2023/052169)
[87] (WO2023/144377)
[30] EP (22154162.6) 2022-01-31

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[51] **Int.Cl. B01L 3/00 (2006.01) C12N 15/10 (2006.01) G01N 27/447 (2006.01)**
[25] EN
[54] **FLUIDIC DEVICE WITH CAPILLARY BARRIER**
[54] **DISPOSITIF FLUIDIQUE A BARRIERE CAPILLAIRE**
[72] ARIN, SEAN, US
[72] MAKAREWICZ, TONY, US
[72] MARSHALL, LEWIS, US
[72] ROSE, KLINT, US
[71] PURIGEN BIOSYSTEMS, INC., US
[85] 2024-05-16
[86] 2022-11-23 (PCT/US2022/050961)
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[30] US (63/264,542) 2021-11-24

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[51] **Int.Cl. A01K 61/00 (2017.01) A01K 61/10 (2017.01) A01K 61/60 (2017.01) A01K 63/00 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **AUTONOMOUS OXYGEN GENERATION AND SUPPLY SYSTEM, ASSOCIATED METHOD AND USE**
[54] **SYSTEME AUTONOME DE GENERATION ET DE FOURNITURE D'OXYGENE, METHODE ET UTILISATION ASSOCIEES**
[72] MARCUS DEL CAMPO, JOHN ROBERT, CL
[71] OXZO S.A., CL
[85] 2024-05-16
[86] 2023-01-10 (PCT/IB2023/050223)
[87] (WO2023/131931)
[30] CL (0056-2022) 2022-01-10
[30] IB (PCT/IB2022/062013) 2022-12-09

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[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/51 (2015.01) A61P 17/02 (2006.01) C07K 14/535 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **NOVEL THERAPEUTIC COMPRISING A SECRETOME FROM MESENCHYMAL STEM CELLS OF UMBILICAL CORD TISSUE OR WHARTON'S JELLY**
[54] **NOUVEL AGENT THERAPEUTIQUE COMPRENANT UN SECRETOME DE CELLULES SOUCHES MESENCHYMATEUSES DU TISSU DE CORDON OMBILICAL OU DE LA GELEE DE WHARTON**
[72] YEO, AIMIN, SG
[72] MOK, PAMELA, SG
[72] CHEN, SIXUN, SG
[72] AW, YI BING, SG
[71] CELLIGENICS PTE LTD., SG
[85] 2024-05-16
[86] 2022-11-25 (PCT/SG2022/050858)
[87] (WO2023/101603)
[30] GB (2117430.5) 2021-12-02
[30] GB (2203017.5) 2022-03-04

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[51] **Int.Cl. H01M 50/179 (2021.01) H01M 50/107 (2021.01) H01M 50/169 (2021.01) H01M 50/342 (2021.01) H01M 50/538 (2021.01) H01M 50/559 (2021.01)**
[25] EN
[54] **SECONDARY BATTERY AND BATTERY PACK**
[54] **BATTERIE SECONDAIRE ET BLOC-BATTERIE**
[72] HWANG, DONGSUNG, KR
[72] JIN, SEUNG KYUN, KR
[72] LIM, HAE JIN, KR
[72] KIM, MINWOO, KR
[72] PARK, JEONGHO, KR
[72] SHIN, HANGSOO, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2022-11-18 (PCT/KR2022/018346)
[87] (WO2023/090952)
[30] KR (10-2021-0160477) 2021-11-19
[30] KR (10-2022-0133231) 2022-10-17

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[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/36 (2006.01) A61K 8/365 (2006.01) A61K 8/49 (2006.01) A61K 8/64 (2006.01) A61K 8/73 (2006.01) A61K 8/81 (2006.01) A61K 8/86 (2006.01)**
[25] EN
[54] **ALCOHOL-FREE ANTIMICROBIAL HAND SANITIZER**
[54] **DESINFECTANT POUR LES MAINS ANTIMICROBIEN SANS ALCOOL**
[72] NKUNA, TSHEPO PATRIC, ZA
[72] KALOMBO, MICHEL LONJI, ZA
[72] SETSHEDI, KATLEGO ZEBEDIUS, ZA
[71] COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, ZA
[85] 2024-05-16
[86] 2022-11-02 (PCT/IB2022/060540)
[87] (WO2023/089433)
[30] ZA (2021/09136) 2021-11-17

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[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/047 (2012.01) F42D 1/10 (2006.01) F42D 3/04 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE**
[72] APPLEBY, RODNEY, SG
[72] RASMUSSEN, KIEREN, SG
[72] ARKWRIGHT, JOHN, SG
[71] ORICA INTERNATIONAL PTE LTD, SG
[85] 2024-05-16
[86] 2022-11-24 (PCT/SG2022/050856)
[87] (WO2023/096583)
[30] SG (10202113093T) 2021-11-25

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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) A61K 38/46 (2006.01)**
[25] EN
[54] **OMNI 263, 264, 266, 268, 269, 271, 274, 275, 276, 278, 279, 280, 281, 283, 284, 286, 287, 288, 290, 291, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 329, 330, 331, 332, 333, 334, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 34...**
[54] **NUCLEASES CRISPR OMNI 263, 264, 266, 268, 269, 271, 274, 275, 276, 278, 279, 280, 281, 283, 284, 286,287, 288, 290, 291, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 307,308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325,326, 327, 329, 330, 331, 332, 333, 334, 336, 337, 338, 339, 340, 341, 342, 343...**
[72] IZHAR, LIOR, IL
[72] MARBACH BAR, NADAV, IL
[72] ROCKAH, LIAT, IL
[72] HECHT, NIR, IL
[72] COHEN, SIGAL, IL
[72] MERON, NURIT, IL
[72] ADIV, OPHIR, IL
[72] GISPAN, ARIEL, IL
[72] BUCH, IDIT, IL
[71] EMENDOBIO INC., US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/080014)
[87] (WO2023/091987)
[30] US (63/281,390) 2021-11-19

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[51] **Int.Cl. G06Q 10/04 (2023.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PLAYER AND TEAM MODELLING AND PREDICTION IN SPORTS AND GAMES**
[54] **SYSTEMES ET PROCEDES DE MODELISATION ET DE PREDICTION DE JOUEURS ET D'EQUIPES DANS DES SPORTS ET DES JEUX**
[72] DAVIS, MICHAEL JOHN, CA
[72] GAMBOA HIGUERA, JUAN CAMILO, CA
[72] SCHULTE, OLIVER NORBERT, CA
[72] JAVAN ROSHTKHARI, MEHRSAN, CA
[71] SPORTLOGIQ INC., CA
[85] 2024-05-16
[86] 2021-12-02 (PCT/CA2021/051719)
[87] (WO2023/097387)

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[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **STUD AND STUDDED TYRE FOR VEHICLE WHEELS**
[54] **CLOU ET PNEU CLOUTE POUR ROUES DE VEHICULE**
[72] CASAROTTO, GIOVANNI, IT
[72] PUTTI, ALBERTO MARIA, IT
[72] SPEZIARI, DIEGO ETTORE, IT
[72] GUERRA, RICCARDO, IT
[71] PIRELLI TYRE S.P.A., IT
[85] 2024-05-16
[86] 2022-11-08 (PCT/IB2022/060729)
[87] (WO2023/094921)
[30] IT (102021000030008) 2021-11-26

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[13] A1
[51] **Int.Cl. C12M 1/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RECYCLING GAS IN REACTORS**
[54] **SYSTEMES ET PROCEDES DE RECYCLAGE DE GAZ DANS DES REACTEURS**
[72] JOHANNESSEN, ARILD, NO
[72] MIKALSEN, TERJE ERNST, NO
[71] GAS 2 FEED AS, NO
[85] 2024-05-16
[86] 2022-11-18 (PCT/IB2022/061163)
[87] (WO2023/089568)
[30] US (63/281,550) 2021-11-19

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[13] A1
[51] **Int.Cl. A61B 17/17 (2006.01) A61B 90/11 (2016.01)**
[25] EN
[54] **DEVICE ADAPTED FOR LATERAL ENGAGEMENT OF AN ELONGATED MEMBER**
[54] **DISPOSITIF CONCU POUR L'ENGAGEMENT LATERAL D'UN ELEMENT ALLONGE**
[72] PANDYA, RAJIV D., US
[72] ALLARD, RANDALL, US
[71] PANORTHOPAEDICS, INC., US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050423)
[87] (WO2023/091673)
[30] US (17/531,727) 2021-11-20

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[13] A1
[51] **Int.Cl. H01M 10/0587 (2010.01) H01M 10/052 (2010.01) C09J 7/38 (2018.01) C09J 133/08 (2006.01) H01M 10/42 (2006.01)**
[25] EN
[54] **ELECTRODE ASSEMBLY, AND SECONDARY BATTERY, BATTERY PACK, AND TRANSPORTATION MEANS INCLUDING THE SAME**
[54] **ENSEMBLE D'ELECTRODE, ET BATTERIE SECONDAIRE, BLOC-BATTERIE ET MOYENS DE TRANSPORT LE COMPRENANT**
[72] PARK, JEONG EON, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2023-10-13 (PCT/KR2023/015806)
[87] (WO2024/106758)
[30] KR (10-2022-0154682) 2022-11-17

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[13] A1
[51] **Int.Cl. H04H 20/26 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR GEOLOCATION-BASED MEDIA STREAMING**
[54] **PROCEDES ET SYSTEMES DE DIFFUSION EN CONTINU DE CONTENU MULTIMEDIA BASE SUR GEOLOCALISATION**
[72] ADYANTHAYA, MOKSHA, US
[72] BRODY, PAUL, US
[72] COLLINS, SCOTT, US
[72] KIM, JACK, US
[72] EMERSON, SARAH KATE, US
[72] ONO, YURI, US
[72] WILCOX, ERIC, US
[72] STERN, RICHARD, US
[72] SKUSE, BRIAN, US
[72] ERTHEIN, NICOLE, US
[72] KALRA, DEVKI, US
[72] KING, JOSEPH, US
[72] GOMEZ, JOSEPH, US
[71] TUNEIN, INC., US
[85] 2024-05-16
[86] 2022-11-17 (PCT/US2022/050297)
[87] (WO2023/091597)
[30] US (63/280,425) 2021-11-17
[30] US (63/296,717) 2022-01-05
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[51] **Int.Cl. B05C 3/109 (2006.01) B65G 49/02 (2006.01)**
[25] EN
[54] **TREATMENT SYSTEM AND METHOD FOR TREATING WORKPIECES**
[54] **INSTALLATION DE TRAITEMENT ET PROCEDE DE TRAITEMENT DE PIECES**
[72] JAGER, TOBIAS, DE
[72] SEYBOTH, OLIVER, DE
[71] DURR SYSTEMS AG, DE
[85] 2024-05-16
[86] 2022-12-21 (PCT/DE2022/100972)
[87] (WO2023/116981)
[30] DE (10 2021 214 987.1) 2021-12-23

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[13] A1
[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/115 (2010.01) C12Q 1/6848 (2018.01)**
[25] EN
[54] **APTAMERS FOR THE REVERSIBLE INHIBITION OF DNA POLYMERASES**
[54] **APTAMERES POUR L'INHIBITION REVERSIBLE D'ADN POLYMERASE**
[72] RUPP, SUSAN MARIE, US
[72] SHUBHAM, SHAMBHAVI, US
[72] ROSE, SCOTT, US
[72] CAGLE, BRIANNA, US
[71] INTEGRATED DNA TECHNOLOGIES, INC., US
[85] 2024-05-16
[86] 2022-11-21 (PCT/US2022/080254)
[87] (WO2023/092128)
[30] US (63/281,872) 2021-11-22

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[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **STUD AND STUDDED TYRE FOR VEHICLE WHEELS**
[54] **CLOU ET PNEU CLOUTE POUR ROUES DE VEHICULE**
[72] CASAROTTO, GIOVANNI, IT
[72] PUTTI, ALBERTO MARIA, IT
[72] SPEZIARI, DIEGO ETTORE, IT
[72] GUERRA, RICCARDO, IT
[71] PIRELLI TYRE S.P.A., IT
[85] 2024-05-16
[86] 2022-11-08 (PCT/IB2022/060733)
[87] (WO2023/094922)
[30] IT (102021000030005) 2021-11-26

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[13] A1
[51] **Int.Cl. G16H 10/00 (2018.01) G16H 30/20 (2018.01) G16H 70/00 (2018.01) G16Y 40/10 (2020.01) G16Y 40/20 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CLINICAL DATA INTEGRATION**
[54] **PROCEDE ET APPAREIL POUR L'INTEGRATION DE DONNEES CLINIQUES**
[72] OLIVARES, JAIME, US
[72] STEIN, KRESS, US
[72] PARI, BRIAN, US
[71] EFFERENT LLC, US
[85] 2024-05-16
[86] 2022-11-22 (PCT/US2022/050762)
[87] (WO2023/096921)
[30] US (63/282,919) 2021-11-24
[30] US (17/991,520) 2022-11-21

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01) G06Q 10/04 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADAPTING WORKFLOWS BASED ON COMMONALITY WITH OTHERS**
[54] **SYSTEME ET PROCEDE POUR ADAPTER DES FLUX DE TRAVAUX SUR LA BASE D'UNE COMMUNITE AVEC D'AUTRES**
[72] FIRPO, ISABEL, US
[72] WHITALL, JONATHAN, US
[72] AUSTIN, PHYLLIS C., US
[72] KRISHNAMURTHY, AMRUTHAVARSHINI HIRIYUR, IN
[72] TANNER, KYLENE, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/050075)
[87] (WO2023/101814)
[30] US (17/457,039) 2021-12-01

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[13] A1
[51] **Int.Cl. F24F 13/22 (2006.01) F24F 1/0007 (2019.01)**
[25] EN
[54] **WATER-RECEIVING TRAY, AND INDOOR UNIT**
[54] **PLATEAU DE RECEPTION D'EAU ET UNITE INTERIEURE**
[72] ZHOU, BAISONG, CN
[72] YAO, XIAO, CN
[72] CHEN, WEIHUA, CN
[72] YANG, HUIMIN, CN
[72] HU, HUI, CN
[72] YANG, YAN, CN
[72] ZHONG, WENTAO, CN
[72] WEI, SHANMENG, CN
[72] YANG, ZHICHAO, CN
[72] XU, XIAOFENG, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] HEFEI MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[85] 2024-05-16
[86] 2022-10-19 (PCT/CN2022/126249)
[87] (WO2023/093384)
[30] CN (202111395087.3) 2021-11-23
[30] CN (202122893392.7) 2021-11-23
[30] CN (202122888483.1) 2021-11-23
[30] CN (202122891287.X) 2021-11-23
[30] CN (202122877787.8) 2021-11-23

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[13] A1
[51] **Int.Cl. G05B 19/05 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **METHOD OF PROCESSING DATA FROM A SUPERVISED PRODUCTION ENVIRONMENT**
[54] **PROCEDE DE TRAITEMENT DE DONNEES A PARTIR D'UN ENVIRONNEMENT DE PRODUCTION SUPERVISE**
[72] DEELEN, WILLEM GERRIT, NL
[72] MAAGD, MICHIEL HERMAN, NL
[72] BING, XIAOYUN, NL
[72] RAMIREZ, RAMON MARIN, NL
[72] PAVLOVIC, DAVID, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2024-05-16
[86] 2022-11-24 (PCT/NL2022/050682)
[87] (WO2023/096490)
[30] EP (21210314.7) 2021-11-24

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04W 84/06 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR DATA ROUTING BETWEEN SATELLITES AND GROUND-BASED SERVERS**
[54] **TECHNIQUES DE ROUTAGE DE DONNEES ENTRE SATELLITES ET SERVEURS TERRESTRES**
[72] HANCHARIK, DAVID J., US
[72] CALIGIURI, MEREDITH L., US
[71] VIASAT INC., US
[85] 2024-05-16
[86] 2022-11-18 (PCT/US2022/050384)
[87] (WO2023/091656)
[30] US (63/281,466) 2021-11-19

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[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **STUD AND STUDDED TYRE FOR VEHICLE WHEELS**
[54] **CLOU ET PNEU CLOUTE POUR ROUES DE VEHICULES**
[72] CASAROTTO, GIOVANNI, IT
[72] PUTTI, ALBERTO MARIA, IT
[72] SPEZIARI, DIEGO ETTORE, IT
[72] GUERRA, RICCARDO, IT
[71] PIRELLI TYRE S.P.A., IT
[85] 2024-05-16
[86] 2022-11-08 (PCT/IB2022/060728)
[87] (WO2023/094920)
[30] IT (102021000029996) 2021-11-26

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[13] A1
[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/19 (2006.01) A61K 8/46 (2006.01) A61K 8/49 (2006.01) A61Q 17/04 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **A PERSONAL CLEANSING COMPOSITION**
[54] **COMPOSITION NETTOYANTE PERSONNELLE**
[72] LAHORKAR, PRAFUL GULAB RAO, NL
[72] PERUMAL, RAJKUMAR, NL
[72] VAIDYA, ASHISH ANANT, NL
[71] UNILEVER GLOBAL IP LIMITED, GB
[85] 2024-05-16
[86] 2022-11-08 (PCT/EP2022/081069)
[87] (WO2023/088725)
[30] EP (21208863.7) 2021-11-17

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[13] A1
[51] **Int.Cl. B65H 23/26 (2006.01) B65H 27/00 (2006.01) H01M 10/04 (2006.01)**
[25] EN
[54] **ELECTRODE DRIVING APPARATUS**
[54] **APPAREIL D'ENTRAINEMENT D'ELECTRODE**
[72] LEE, KYOUNG HO, KR
[72] KIM, MIN KI, KR
[72] KANG, RYEON HO, KR
[72] KWON, KI SUN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-16
[86] 2022-12-19 (PCT/KR2022/020729)
[87] (WO2023/121185)
[30] KR (10-2021-0183212) 2021-12-20

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01)**
[25] EN
[54] **ENFORCEMENT OF ENTERPRISE BROWSER USE**
[54] **MISE EN APPLICATION D'UNE UTILISATION DE NAVIGATEUR D'ENTREPRISE**
[72] ISRAELI, RAVIV, US
[72] LANZMAN, SERGEY, IL
[72] AMIGA, DAN, IL
[72] ROTH, JONATHAN, IL
[72] DROR, AMIT, IL
[72] YORKOVSKY, OFER, IL
[71] ISLAND TECHNOLOGY, INC., US
[85] 2024-05-16
[86] 2022-11-24 (PCT/IB2022/061388)
[87] (WO2023/095053)
[30] US (63/282,701) 2021-11-24

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADAPTING WORKFLOWS BASED ON TIME TO RESPOND**
[54] **SYSTEME ET PROCEDE POUR ADAPTER DES FLUX DE TRAVAIL SUR LA BASE DU TEMPS DE REPONSE**
[72] FIRPO, ISABEL, US
[72] WHITALL, JONATHAN, US
[72] AUSTIN, PHYLLIS C., US
[72] KRISHNAMURTHY, AMRUTHAVARSHINI HIRIYUR, IN
[72] TANNER, KYLENE, US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2024-05-16
[86] 2022-11-16 (PCT/US2022/050080)
[87] (WO2023/101815)
[30] US (17/457,041) 2021-12-01

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[51] **Int.Cl. F42D 1/22 (2006.01)**
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[54] **DETONATOR ASSEMBLY PLACEMENT**
[54] **PLACEMENT D'ENSEMBLE DETONATEUR**
[72] BOTHA, MARIUS CHRISTO, ZA
[72] LIEBENBERG, ABRAHAM JOHANNES, ZA
[71] DETNET SOUTH AFRICA (PTY) LTD, ZA
[85] 2024-05-16
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[87] (WO2023/087036)
[30] ZA (2021/08971) 2021-11-12

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[51] **Int.Cl. A24F 40/53 (2020.01) A24F 40/60 (2020.01)**
[25] EN
[54] **AUTOMATING ACTIONS OF AN AEROSOL PROVISION SYSTEM**
[54] **AUTOMATISATION DES ACTIONS D'UN SYSTEME DE FOURNITURE D'AEROSOL**
[72] ERGUVEN, NEJAT, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2024-05-16
[86] 2022-11-28 (PCT/GB2022/053008)
[87] (WO2023/099874)
[30] GB (2117280.4) 2021-11-30

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[51] **Int.Cl. A61C 7/12 (2006.01) A61C 7/14 (2006.01) A61C 7/28 (2006.01)**
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[54] **ORTHODONTIC HYBRID BRACKET**
[54] **VERROU ORTHODONTIQUE HYBRIDE**
[72] JOHNSTON, MICHAEL STUART, US
[71] JOHNSTON, MICHAEL STUART, US
[85] 2024-05-16
[86] 2022-03-28 (PCT/US2022/022146)
[87] (WO2023/091177)
[30] US (17/455,105) 2021-11-16

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[51] **Int.Cl. A61B 17/17 (2006.01) A61B 17/90 (2006.01)**
[25] EN
[54] **TOTAL ANKLE REPLACEMENT ALIGNMENT REFERENCE WING AND SIZING GUIDES**
[54] **GUIDES DE DIMENSIONNEMENT ET AILE DE REFERENCE D'ALIGNEMENT POUR ARTHROPLASTIE TOTALE DE CHEVILLE**
[72] PRIEDITIS, MARIS, US
[72] GARLOCK, ADAM N., US
[72] CHAN, BENJAMIN, US
[72] DHILLON, BRAHAM, US
[72] FERRIN, BRANDTON, US
[71] ARTHREX, INC., US
[85] 2024-05-16
[86] 2023-01-23 (PCT/US2023/061073)
[87] (WO2023/141617)
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[13] A1
[51] **Int.Cl. H04R 1/32 (2006.01) H04R 1/08 (2006.01) H04R 1/26 (2006.01) H04R 1/40 (2006.01) H04R 3/00 (2006.01) H04R 5/027 (2006.01) H04R 19/01 (2006.01)**
[25] EN
[54] **3D SOUND ANALYSIS SYSTEM**
[54] **SYSTEME D'ANALYSE DE SON 3D**
[72] SYMONS, IAN, AU
[71] 3DS MIKE PTY LTD, AU
[85] 2024-05-14
[86] 2022-12-05 (PCT/AU2022/051453)
[87] (WO2023/097377)
[30] AU (2021903929) 2021-12-03

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[51] **Int.Cl. F03B 11/02 (2006.01) F03B 13/08 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR GENERATING ELECTRICITY FROM WATER FLOW**
[54] **APPAREIL POUR GENERER DE L'ELECTRICITE A PARTIR D'UN ECOULEMENT D'EAU**
[72] ROBERTS, PETER, GB
[72] KETTLE, ROBERT, GB
[71] VERDERG RENEWABLE ENERGY LIMITED, GB
[85] 2024-05-14
[86] 2022-11-15 (PCT/GB2022/052891)
[87] (WO2023/084249)
[30] GB (2116451.2) 2021-11-15

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[13] A1
[51] **Int.Cl. C12N 5/0789 (2010.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR MAINTAINING AND EXPANDING HEMATOPOIETIC STEM CELLS**
[54] **PROCEDES ET COMPOSITIONS POUR LE MAINTIEN ET LA MULTIPLICATION DE CELLULES SOUCHES HEMATOPOIETIQUES**
[72] GOMES UELTSCHY, ANGELICA M., US
[71] TRAILHEAD BIOSYSTEMS INC., US
[85] 2024-05-14
[86] 2022-11-29 (PCT/US2022/051195)
[87] (WO2023/101943)
[30] US (63/284,360) 2021-11-30

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[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/136 (2014.01) H04N 19/176 (2014.01) H04N 19/51 (2014.01)**
[25] EN
[54] **BLOCK-LEVEL REFERENCE PICTURES ADAPTATION FOR VIDEO CODING**
[54] **ADAPTATION D'IMAGES DE REFERENCE AU NIVEAU DE BLOCS PERMETTANT UN CODAGE VIDEO**
[72] HUANG, HAN, US
[72] SEREGIN, VADIM, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2024-05-14
[86] 2022-12-21 (PCT/US2022/082146)
[87] (WO2023/133047)
[30] US (63/266,389) 2022-01-04
[30] US (63/316,102) 2022-03-03
[30] US (63/324,926) 2022-03-29
[30] US (63/343,980) 2022-05-19
[30] US (18/068,809) 2022-12-20

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[13] A1
[51] **Int.Cl. G08B 13/24 (2006.01)**
[25] EN
[54] **IDENTIFICATION DEVICE, LICENSE PLATE ARRANGEMENT AND LICENSE PLATE SYSTEM**
[54] **DISPOSITIF D'IDENTIFICATION, AGENCEMENT DE PLAQUE D'IMMATRICULATION ET SYSTEME DE PLAQUE D'IMMATRICULATION**
[72] GIBSON, SARAH, US
[72] MCKINNEY, RICHARD, US
[71] MARCON INTERNATIONAL, INC., US
[85] 2024-05-14
[86] 2022-11-18 (PCT/US2022/080170)
[87] (WO2023/097173)
[30] US (17/535,402) 2021-11-24

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[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC AMIDES AND METHODS OF USING THE SAME**
[54] **AMIDES HETEROCYCLIQUES ET LEURS PROCEDES D'UTILISATION**
[72] WAGER, TRAVIS T., US
[72] WENG, ZHIPING, US
[72] XI, HUALIN SIMON, US
[71] RGENTA THERAPEUTICS, INC., US
[85] 2024-05-14
[86] 2022-11-18 (PCT/US2022/080182)
[87] (WO2023/092098)
[30] US (63/280,939) 2021-11-18

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[51] **Int.Cl. A61K 47/32 (2006.01) A61K 9/70 (2006.01) A61K 31/4965 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **ADHESIVE PATCH CONTAINING SELEXIPAG AS ACTIVE INGREDIENT**
[54] **TIMBRE ADHESIF CONTENANT DU SELEXIPAG EN TANT QUE PRINCIPE ACTIF**
[72] KATO, YUTAKA, JP
[72] KOMODA, TOSHIKAZU, JP
[72] NISHIDA, NAOHIRO, JP
[71] ARTIENCE CO., LTD., JP
[71] TOYOCHEM CO., LTD., JP
[71] TOA EIYO LTD., JP
[85] 2024-05-10
[86] 2022-11-08 (PCT/JP2022/041600)
[87] (WO2023/085282)
[30] JP (2021-185910) 2021-11-15

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[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) A61K 8/14 (2006.01) A61K 9/127 (2006.01) A61K 47/69 (2017.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TENDON REPAIR**
[54] **COMPOSITIONS ET PROCEDES DE REPARATION DE TENDON**
[72] BEHFAR, ATTA, US
[72] HOUDEK, MATTHEW T., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2024-05-14
[86] 2022-11-16 (PCT/US2022/050121)
[87] (WO2023/091497)
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[51] **Int.Cl. A23L 33/185 (2016.01) A23L 29/10 (2016.01) A23L 33/21 (2016.01) A23J 3/14 (2006.01)**
[25] EN
[54] **EMULSION-BASED FOOD PRODUCTS COMPRISING PLANT-BASED PROTEINS AND FIBER**
[54] **PRODUITS ALIMENTAIRES A BASE D'EMULSION COMPRENANT DES PROTEINES ET UNE FIBRE D'ORIGINE VEGETALE**
[72] MELO SANTA, GONCALO LUIS, NL
[72] CARDENAS, MAYCIRIT AGUIRRE, NL
[72] WIESE, JONATHAN, US
[71] H.J. HEINZ COMPANY BRANDS LLC, US
[85] 2024-05-14
[86] 2022-11-17 (PCT/US2022/050266)
[87] (WO2023/091581)
[30] US (63/280,489) 2021-11-17
[30] US (63/397,663) 2022-08-12

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) B29C 33/38 (2006.01) B29C 45/00 (2006.01) B29C 51/10 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING MICRONEEDLE**
[54] **PROCEDE DE FABRICATION DE MICROAIGUILLE**
[72] KIM, DONG HWAN, KR
[72] KANG, BOKKI, KR
[72] PARK, SANGHAN, KR
[72] EUM, JAEHONG, KR
[72] KANG, YOONSIK, KR
[72] IM, JI YEON, KR
[72] LEE, BOOYONG, KR
[71] DAEWOONG THERAPEUTICS INC., KR
[85] 2024-05-10
[86] 2022-04-04 (PCT/KR2022/004814)
[87] (WO2023/113108)
[30] KR (10-2021-0178684) 2021-12-14

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[13] A1
[51] **Int.Cl. B64G 1/62 (2006.01) B64D 17/02 (2006.01) B64G 1/24 (2006.01) B64G 1/44 (2006.01) B64G 1/58 (2006.01) B64D 17/80 (2006.01) B64G 1/40 (2006.01)**
[25] EN
[54] **SPACE VEHICLES WITH PARAGLIDER RE-ENTRY, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **VEHICULES SPATIAUX AYANT UNE RENTREE DE PARAPENTE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] DUNN, JASON, US
[72] VERGALLA, MICHAEL, US
[71] OUTPOST TECHNOLOGIES CORPORATION, US
[85] 2024-05-14
[86] 2022-11-17 (PCT/US2022/050294)
[87] (WO2023/096820)
[30] US (63/280,567) 2021-11-17

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[13] A1
[51] **Int.Cl. A63H 3/02 (2006.01) A63H 3/36 (2006.01)**
[25] EN
[54] **COMFORT DEVICE WITH CONCEALED SYMBOLIC ITEM**
[54] **DISPOSITIF DE RECONFORT A ELEMENT SYMBOLIQUE CACHE**
[72] CAMPBELL, ALLISON, US
[71] CAMPBELL, ALLISON, US
[85] 2024-05-14
[86] 2022-11-14 (PCT/US2022/079786)
[87] (WO2023/086977)
[30] US (63/279,382) 2021-11-15
[30] US (63/314,062) 2022-02-25

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[13] A1
[51] **Int.Cl. A61K 35/50 (2015.01) A61K 35/12 (2015.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **CANINE-SPECIFIC THERAPEUTIC COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS THERAPEUTIQUES SPECIFIQUES AUX CANIDES ET METHODES D'UTILISATION**
[72] BEAUDRY, CHRISTIAN, US
[72] KIM, JAEHYUN, US
[71] ALPHALOGIX, LLC, US
[85] 2024-05-14
[86] 2022-11-16 (PCT/US2022/079943)
[87] (WO2023/091935)
[30] US (63/280,024) 2021-11-16

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/6876 (2018.01) C12Q 1/6881 (2018.01) A61K 35/17 (2015.01) C12N 15/09 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DISCOVERY OF RECEPTOR-LIGAND SPECIFICITY BY ENGINEERED CELL ENTRY**
[54] **METHODES ET COMPOSITIONS POUR LA DECOUVERTE D'UNE SPECIFICITE DE LIGAND DE RECEPTEUR PAR UNE ENTREE DE CELLULE MODIFIEE**
[72] CHANG, HOWARD Y., US
[72] SATPATHY, ANSUMAN, US
[72] YU, BINGFEI, US
[72] SHI, QUANMING, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2024-05-14
[86] 2022-12-05 (PCT/US2022/080915)
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[30] US (63/286,507) 2021-12-06
[30] US (63/382,860) 2022-11-08

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[13] A1
[51] **Int.Cl. B65G 21/20 (2006.01) B60S 3/04 (2006.01) B65G 15/30 (2006.01) B65G 45/10 (2006.01) B65G 45/22 (2006.01)**
[25] EN
[54] **CONVEYOR SYSTEM FOR WHEELED STRUCTURES AND IMPROVEMENTS THERETO**
[54] **SYSTEME TRANSPORTEUR POUR STRUCTURES A ROUES ET PERFECTIONNEMENTS DE CELUI-CI**
[72] VICCARY, SHANE PATRICK PETER, CA
[72] KUEHL, ROBERT ALLEN, CA
[72] COLVIN, DANIEL THOMAS JAMES, CA
[72] HUTTON, TAYLOR JAMES, CA
[71] STEPHENSON TECHNOLOGIES INC., CA
[85] 2024-05-14
[86] 2022-10-13 (PCT/CA2022/051506)
[87] (WO2023/060349)
[30] US (63/262,480) 2021-10-13

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[13] A1
[51] **Int.Cl. F16D 65/12 (2006.01)**
[25] EN
[54] **FRICTION BRAKE, ESPECIALLY FOR MOTOR VEHICLES**
[54] **FREIN A FRICTION, EN PARTICULIER POUR VEHICULES AUTOMOBILES**
[72] FIMBINGER, JOHANN, AT
[71] FIMBINGER, JOHANN, AT
[85] 2024-05-14
[86] 2022-09-28 (PCT/EP2022/077062)
[87] (WO2023/088599)
[30] DE (10 2021 130 045.2) 2021-11-17

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SPLIT TYPE PRECISELY-ANCHORABLE TRANSCATHETER MITRAL VALVE SYSTEM**
[54] **SYSTEME DE VALVE MITRALE D'INTERVENTION A ANCRAGE PRECIS DE TYPE FENDU**
[72] JIN, LEI, CN
[72] GUO, YINGQIANG, CN
[72] WU, JIA, CN
[72] LI, LIYAN, CN
[72] MU, HONG, CN
[72] WU, KANGJIAN, CN
[72] FAN, ZHIHAO, CN
[71] BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2024-05-14
[86] 2022-11-17 (PCT/CN2022/132578)
[87] (WO2023/088369)
[30] CN (202111361271.6) 2021-11-17

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[13] A1
[51] **Int.Cl. A61K 31/445 (2006.01) A61P 31/04 (2006.01) C07D 498/22 (2006.01)**
[25] EN
[54] **RIFABUTIN ANALOGS FOR THE TREATMENT OF DISEASE**
[54] **ANALOGUES DE RIFABUTINE POUR LE TRAITEMENT D'UNE MALADIE**
[72] ANTRAYGUES, KEVIN, FR
[72] BOUROTTE, MARILYNE, FR
[72] DALE, GLENN E., CH
[72] DEFERT, OLIVIER, FR
[72] GITZINGER, MARC, CH
[72] LOCIURO, SERGIO, CH
[72] MAINGOT, MATHIEU, FR
[72] TREBOSC, VINCENT, FR
[72] WILLAND, NICOLAS, FR
[71] BIOVERSYS AG, CH
[85] 2024-05-14
[86] 2022-12-21 (PCT/EP2022/087273)
[87] (WO2023/118319)
[30] EP (21217179.7) 2021-12-22

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[13] A1
[51] **Int.Cl. E03C 1/232 (2006.01) E03C 1/26 (2006.01) E03F 5/04 (2006.01)**
[25] EN
[54] **A WASTE OUTLET**
[54] **SORTIE DE DECHETS**
[72] DELANEY, PAUL, GB
[71] ELLSI LIMITED, GB
[85] 2024-05-14
[86] 2022-11-15 (PCT/GB2022/052894)
[87] (WO2023/084252)
[30] GB (2116416.5) 2021-11-15

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[13] A1
[51] **Int.Cl. G16H 10/20 (2018.01) G16H 50/20 (2018.01)**
[25] EN
[54] **DIAGNOSIC METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE DIAGNOSTIC**
[72] HARPER, ROSS EDWARD FRANCIS, GB
[72] ROLLWAGE, MAX, GB
[71] LIMBIC LIMITED, GB
[85] 2024-05-14
[86] 2022-11-15 (PCT/GB2022/052898)
[87] (WO2023/084254)
[30] GB (2116425.6) 2021-11-15

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[13] A1
[51] **Int.Cl. B29C 64/106 (2017.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/00 (2020.01) B29C 64/209 (2017.01) B29C 64/25 (2017.01) B29C 64/255 (2017.01) B29C 64/336 (2017.01) B29C 64/35 (2017.01) B29C 64/364 (2017.01)**
[25] EN
[54] **ON-THE-FLY 3D PRINTING**
[54] **IMPRESSION 3D A LA VOLEE**
[72] RAMOT, ROI, IL
[72] RAMOT, YAIR, IL
[71] 3DSIL LTD., IL
[85] 2024-05-14
[86] 2022-11-09 (PCT/IB2022/060783)
[87] (WO2023/084408)
[30] US (63/279,121) 2021-11-14
[30] US (63/340,479) 2022-05-11

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[13] A1
[51] **Int.Cl. A01J 5/013 (2006.01) G01N 21/00 (2006.01)**
[25] EN
[54] **MILKING SYSTEM WITH SAMPLING AND ANALYSIS**
[54] **SYSTEME DE TRAITE A ECHANTILLONNAGE ET ANALYSE**
[72] DRONKERT, JOHANNES ADRIAAN, NL
[72] DE BORST, LEENDERT, NL
[72] DE GRAAF, FRANS JACOB, NL
[71] LELY PATENT N.V., NL
[85] 2024-05-14
[86] 2022-12-08 (PCT/IB2022/061931)
[87] (WO2023/111787)
[30] NL (2030112) 2021-12-13

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[13] A1
[51] **Int.Cl. B01L 3/02 (2006.01)**
[25] EN
[54] **PIPETTE TIP AND METHOD FOR MANUFACTURING THE PIPETTE TIP**
[54] **POINTE DE PIPETTE ET PROCEDE DE PRODUCTION DE LA POINTE DE PIPETTE**
[72] RAFFLER, ANNIKA, DE
[72] GEIGER, DOMINIK, DE
[72] WOLFERT, JOHANNES, DE
[72] FINIS, FRANK, DE
[72] KERTZSCHER, SEBASTIAN, DE
[71] RITTER GMBH, DE
[85] 2024-05-13
[86] 2022-11-14 (PCT/EP2022/081851)
[87] (WO2023/088850)
[30] DE (10 2021 129 888.1) 2021-11-16

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[13] A1
[51] **Int.Cl. H01B 7/42 (2006.01) B60L 53/18 (2019.01)**
[25] EN
[54] **A HIGH-VOLTAGE CABLE AND A METHOD OF MANUFACTURE OF THE CABLE**
[54] **CABLE HAUTE TENSION ET PROCEDE DE FABRICATION DU CABLE**
[72] THOMSEN, TORBEN, DK
[71] HYDRO EXTRUDED SOLUTIONS AS, NO
[85] 2024-05-13
[86] 2022-12-19 (PCT/EP2022/086698)
[87] (WO2023/111355)
[30] SE (2151549-9) 2021-12-17

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[13] A1
[51] **Int.Cl. B23K 9/26 (2006.01) B23K 9/12 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **ROTARY CHANGER**
[54] **CHANGEUR ROTATIF**
[72] HUYNH, HUU THINH, JP
[71] TIPMAN CO., LTD., JP
[85] 2024-05-13
[86] 2022-10-28 (PCT/JP2022/040283)
[87] (WO2023/112511)
[30] JP (2021-202246) 2021-12-14

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[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIBODY AGAINST TIGIT AND PD-L1, AND PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF**
[54] **ANTICORPS BISPECIFIQUE CONTRE TIGIT ET PD-L1, COMPOSITION PHARMACEUTIQUE DE CELUI-CI ET SON UTILISATION**
[72] DAI, SHUANG, CN
[72] ZHAI, TIANHANG, CN
[72] HUANG, WEIFENG, CN
[72] PENG, SHAOGANG, CN
[72] SUN, TSOYUE JOANNE, CN
[71] BIOTHEUS INC., CN
[85] 2024-05-14
[86] 2022-11-17 (PCT/CN2022/132422)
[87] (WO2023/088337)
[30] CN (202111359665.8) 2021-11-17

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4985 (2006.01) A61K 31/5517 (2006.01) A61P 1/04 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 11/06 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01) A61P 37/00 (2006.01) C07D 471/06 (2006.01) C07D 471/14 (2006.01) C07D 487/04 (2006.01) C07D 487/06 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PAD4 INHIBITORS AND USE THEREOF**
[54] **INHIBITEURS DE PAD4 ET LEUR UTILISATION**
[72] LI, LIGE, CN
[72] REN, BAOQI, CN
[72] WANG, WEI, CN
[72] YU, BO, CN
[72] WU, LEI, CN
[72] GUO, WEI, CN
[72] REN, XIAOMING, CN
[72] YANG, MIN, CN
[72] FENG, SONG, CN
[72] ZHONG, WENGE, CN
[72] MENG, QINGTING, CN
[71] REGOR THERAPEUTICS, INC., US
[85] 2024-05-14
[86] 2022-11-15 (PCT/CN2022/131873)
[87] (WO2023/083365)
[30] CN (PCT/CN2021/130631) 2021-11-15

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[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01) H04L 9/40 (2022.01)**
[25] EN
[54] **DETECTING VULNERABILITIES IN CONFIGURATION CODE OF A CLOUD ENVIRONMENT UTILIZING INFRASTRUCTURE AS CODE**
[54] **DETECTION DE VULNERABILITES DANS UN CODE DE CONFIGURATION D'UN ENVIRONNEMENT EN NUAGE UTILISANT UNE INFRASTRUCTURE EN TANT QUE CODE**
[72] HERZBERG, RAAZ, US
[72] OLIVER, YANIV JOSEPH, US
[72] HAZAN, OSHER, US
[72] BEN DAVID, NIV ROIT, US
[72] LUTTWAK, AMI, US
[72] REZNIK, ROY, US
[71] WIZ, INC., US
[85] 2024-05-14
[86] 2022-11-14 (PCT/IB2022/060940)
[87] (WO2023/094931)
[30] US (63/264,550) 2021-11-24
[30] US (63/283,376) 2021-11-26
[30] US (63/283,378) 2021-11-26
[30] US (63/283,379) 2021-11-26

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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/966 (2013.01) A61F 2/02 (2006.01)**
[25] EN
[54] **SPLIT TYPE PRECISELY-ANCHORABLE TRANSCATHETER TRICUSPID VALVE SYSTEM**
[54] **SYSTEME DE VALVULE TRICUSPIDE D'INTERVENTION DE TYPE FENDU CAPABLE D'ANCRAGE AVEC PRECISION**
[72] JIN, LEI, CN
[72] HUANG, HUANLEI, CN
[72] WANG, ZHENZHONG, CN
[72] LI, LIYAN, CN
[72] FAN, ZHIHAO, CN
[72] MU, HONG, CN
[72] WU, JIA, CN
[72] WU, KANGJIAN, CN
[71] BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2024-05-14
[86] 2022-11-17 (PCT/CN2022/132606)
[87] (WO2023/088377)
[30] CN (202111361301.3) 2021-11-17

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[13] A1
[51] **Int.Cl. A61K 31/4045 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/19 (2006.01) A61K 45/06 (2006.01) A61K 47/12 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) A61P 25/30 (2006.01)**
[25] EN
[54] **INJECTABLE AND INHALABLE FORMULATIONS**
[54] **FORMULATIONS INJECTABLES ET INHALABLES**
[72] RANDS, PETER, GB
[72] ROUTLEDGE, CAROL, GB
[72] LAYZELL, MARIE, GB
[72] JAMES, ELLEN, GB
[72] JOEL, ZELAH, GB
[72] BENWAY, TIFFANIE, GB
[72] GOOD, MEGHAN, GB
[71] CYBIN UK LTD, GB
[85] 2024-05-14
[86] 2022-11-18 (PCT/EP2022/082486)
[87] (WO2023/089132)
[30] EP (PCT/EP2021/082227) 2021-11-18
[30] TW (110143066) 2021-11-18
[30] GB (2119021.0) 2021-12-24
[30] US (17/574,424) 2022-01-12
[30] EP (PCT/EP2022/055324) 2022-03-02

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SPLIT TYPE PRECISELY-ANCHORABLE TRANSCATHETER AORTIC VALVE SYSTEM**
[54] **SYSTEME DE VALVE AORTIQUE D'INTERVENTION POUVANT ETRE ANCRE AVEC PRECISION DE TYPE FENDU**
[72] JIN, LEI, CN
[72] PAN, XIANGBIN, CN
[72] WU, JIA, CN
[72] LI, LIYAN, CN
[72] FAN, ZHIHAO, CN
[72] WU, KANGJIAN, CN
[71] BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2024-05-14
[86] 2022-11-17 (PCT/CN2022/132631)
[87] (WO2023/088384)
[30] CN (202111360380.6) 2021-11-17

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SPLIT TYPE PRECISELY-ANCHORABLE TRANSCATHETER VALVE-IN-RING SYSTEM**
[54] **SYSTEME DE VALVE-DANS-ANNEAU D'INTERVENTION POUVANT ETRE ANCRE AVEC PRECISION DE TYPE FENDU**
[72] JIN, LEI, CN
[72] WEI, LAI, CN
[72] WU, KANGJIAN, CN
[72] WU, JIA, CN
[72] FAN, ZHIHAO, CN
[72] LI, LIYAN, CN
[71] BEIJING BALANCE MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2024-05-14
[86] 2022-11-17 (PCT/CN2022/132662)
[87] (WO2023/088392)
[30] CN (202111361458.6) 2021-11-17

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[13] A1
[51] **Int.Cl. H04B 7/15 (2006.01)**
[25] EN
[54] **SIGNAL CONTROL DEVICE, COMMUNICATION APPARATUS, CONTROL CIRCUIT, STORAGE MEDIUM, AND SIGNAL CONTROL METHOD**
[54] **DISPOSITIF DE COMMANDE DE SIGNAL, DISPOSITIF DE COMMANDE DE FLUX, DISPOSITIF DE COMMUNICATION, CIRCUIT DE COMMANDE, SUPPORT DE STOCKAGE, PROGRAMME ET PROCEDE DE COMMANDE DE SIGNAL**
[72] KANEKO, KAZUMA, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2024-05-17
[86] 2021-11-25 (PCT/JP2021/043277)
[87] (WO2023/095267)

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[13] A1
[51] **Int.Cl. B60L 58/24 (2019.01) H01M 10/60 (2014.01) H01M 10/625 (2014.01) B60L 58/10 (2019.01) B64D 33/00 (2006.01) B64D 31/00 (2024.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IN-FLIGHT RE-ROUTING OF AN ELECTRIC AIRCRAFT**
[54] **SYSTEMES ET PROCEDES DE REACHEMINEMENT EN VOL D'UN AERONEF ELECTRIQUE**
[72] PALOMBINI, JOHN, US
[72] WARREN, NICK, US
[72] FERRIER, LOCHIE, US
[72] FOLAND, STEVEN J., US
[71] BETA AIR, LLC, US
[85] 2024-05-14
[86] 2022-11-15 (PCT/US2022/049932)
[87] (WO2023/091397)
[30] US (17/528,673) 2021-11-17

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) G16H 50/30 (2018.01) A61P 9/12 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **METHODS OF TREATING OR INHIBITING CARDIOVASCULAR DISEASES**
[54] **METHODES DE TRAITEMENT OU D'INHIBITION DE MALADIES CARDIOVASCULAIRES**
[72] SUN, DONGXU, US
[72] RASOOL, SUHAIL, US
[72] LEONG, YEW ANN, US
[72] HAIG, GEORGE M., US
[72] JOHANSSON, JENNY ULRIKA, US
[72] VOLOBOUEVNA, LUDMILA ANATOLIEVNA, US
[71] TRUEBINDING, INC., US
[85] 2024-05-08
[86] 2022-11-07 (PCT/US2022/079385)
[87] (WO2023/086768)
[30] US (63/263,773) 2021-11-09

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[13] A1
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[25] EN
[54] **MACHINE LEARNING MODELS FOR DATA DEVELOPMENT AND PROVIDING USER INTERACTION POLICIES**
[54] **MODELES D'APPRENTISSAGE AUTOMATIQUE POUR LE DEVELOPPEMENT DE DONNEES ET LA FOURNITURE DE POLITIQUES D'INTERACTION D'UTILISATEUR**
[72] KLEINHANZL, AFSHAN A., US
[72] DIENER, ALEXANDER MICHAEL, US
[72] NOAR, JR., ADAM G., US
[72] FISCHER, STACEY LYNNE, US
[72] PATTERSON, CHAD M., US
[72] OLSON, CARLY ROSE, US
[72] KELLEY, MICHIKO ARAKI, US
[72] JOSHIPURA, AMIT PREMAL, US
[72] FRANK, SPENCER TROY, US
[72] AN, QI, US
[72] JBAILY, ABDULRAHMAN, US
[72] PARK, SOPHIA, US
[72] LEE, JUSTIN YI-KAI, US
[72] VAN DER LINDEN, JOOST HERMAN, US
[72] DERDZINSKI, MARK, US
[71] DEXCOM, INC., US
[85] 2024-05-14
[86] 2022-12-14 (PCT/US2022/081598)
[87] (WO2023/114876)
[30] US (63/289,376) 2021-12-14

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[13] A1
[51] **Int.Cl. G06F 16/28 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ELECTRONIC INFORMATION PRESENTATION**
[54] **SYSTEMES ET PROCEDES POUR LA PRESENTATION D'INFORMATIONS ELECTRONIQUES**
[72] SUCKLE, ABBY, US
[72] LEWISON, ANNE, US
[72] GIGLIO, DAVID, US
[72] DHANDA, KRITIKA, US
[72] SAHARYA, KARAN, IN
[72] BHATTACHARYA, MAHARSHI, US
[72] PIEPENBRINK, NICOLE, US
[71] CULTURENOW, INC., US
[85] 2024-05-09
[86] 2022-10-12 (PCT/US2022/046375)
[87] (WO2023/064333)
[30] US (63/254,648) 2021-10-12

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[13] A1
[51] **Int.Cl. G01F 25/10 (2022.01) G01F 1/34 (2006.01) G01F 5/00 (2006.01) G01F 15/00 (2006.01)**
[25] EN
[54] **CALIBRATED VIRTUAL FLOW METER**
[54] **DEBITMETRE VIRTUEL ETALONNE**
[72] GAMBARETTO, AGUSTIN, US
[72] RASHID, KASHIF, US
[72] WILLIAMS, MICHAEL JOHN, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-14
[86] 2022-11-15 (PCT/US2022/049885)
[87] (WO2023/091386)
[30] US (63/279,832) 2021-11-16

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[13] A1
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6862 (2018.01) C12N 9/22 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS OF SYNTHESIZING NUCLEIC ACID MOLECULES**
[54] **PROCEDES DE SYNTHESE DE MOLECULES D'ACIDE NUCLEIQUE**
[72] GILL, JOHN E., US
[72] FU, LIXIA, US
[72] KERR, SYDNEY, US
[72] VARGAS, MICHELLE, US
[72] GIBSON, DANIEL G., US
[71] TELESIS BIO INC., US
[85] 2024-05-14
[86] 2021-11-15 (PCT/US2021/059422)
[87] (WO2023/086109)

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 35/12 (2015.01) A61K 47/42 (2017.01) A61L 27/54 (2006.01) A61P 19/02 (2006.01) A61P 19/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR REPAIR OF TENDON-BONE INTERFACE**
[54] **METHODES ET COMPOSITIONS DE REPARATION D'INTERFACE TENDON-OS**
[72] BEHFAR, ATTA, US
[72] ZHAO, CHUNFENG D., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2024-05-14
[86] 2022-11-16 (PCT/US2022/050125)
[87] (WO2023/091499)
[30] US (63/279,841) 2021-11-16

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[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61K 31/5513 (2006.01) A61K 31/553 (2006.01) A61K 31/554 (2006.01) A61P 35/00 (2006.01) C07D 409/04 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/08 (2006.01) C07D 487/08 (2006.01) C07D 495/04 (2006.01) C07D 497/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 515/04 (2006.01) C07D 519/00 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **THIOPHENE ULK1/2 INHIBITORS AND THEIR USE THEREOF**
[54] **INHIBITEURS THIOPHENES DE ULK1/2 ET LEUR UTILISATION**
[72] GONZALEZ-LOPEZ, MARCOS, US
[72] VERNIER, JEAN-MICHEL, US
[71] ERASCA, INC., US
[85] 2024-05-14
[86] 2022-11-15 (PCT/US2022/079896)
[87] (WO2023/087027)
[30] US (63/279,353) 2021-11-15
[30] US (63/338,210) 2022-05-04
[30] US (63/374,491) 2022-09-02
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[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **FLUOROOLEFIN COMPOSITIONS CONTAINING A DYE AND METHODS FOR THEIR PRODUCTION, STORAGE AND USAGE**
[54] **COMPOSITIONS DE FLUOROOLEFINE CONTENANT UN COLORANT ET LEURS PROCEDES DE PRODUCTION, DE STOCKAGE ET D'UTILISATION**
[72] PENG, SHENG, US
[72] GRAY, NINA, US
[72] SUN-BLANKS, JIAN, US
[72] SOREO, JULIANA, US
[72] KOBAN, MARY E., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2024-05-14
[86] 2023-01-17 (PCT/US2023/010935)
[87] (WO2023/141098)
[30] US (63/300,276) 2022-01-18

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[13] A1
[51] **Int.Cl. E04F 15/02 (2006.01)**
[25] EN
[54] **PRETENSIONED MECHANICAL LOCKING DEVICE FOR BUILDING PANELS**
[54] **DISPOSITIF DE VERROUILLAGE MECANIQUE PRECONTRAINT POUR PANNEAUX DE CONSTRUCTION**
[72] BOO, CHRISTIAN, SE
[72] NYGREN, PER, SE
[72] DERELOV, PETER, SE
[71] VALINGE INNOVATION AB, SE
[85] 2024-05-14
[86] 2022-12-05 (PCT/SE2022/051143)
[87] (WO2023/106988)
[30] SE (2151481-5) 2021-12-06

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[13] A1
[51] **Int.Cl. C01B 3/38 (2006.01) C01B 3/48 (2006.01) C01B 3/50 (2006.01)**
[25] EN
[54] **BLUE HYDROGEN PROCESS AND PLANT**
[54] **PROCEDE ET USINE DE PRODUCTION D'HYDROGENE BLEU**
[72] BANSAL, NITESH, IN
[72] SINGH, ADITYA, DE
[72] GHIYATI, YASSIR I. Z., DK
[71] TOPSOE A/S, DK
[85] 2024-05-14
[86] 2022-11-14 (PCT/EP2022/081812)
[87] (WO2023/084084)
[30] IN (202111052313) 2021-11-15
[30] IN (202211003488) 2022-01-21
[30] DK (PA 2022 00199) 2022-03-11

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[13] A1
[51] **Int.Cl. H01M 4/86 (2006.01) H01M 8/1018 (2016.01) H01M 4/90 (2006.01) H01M 8/18 (2006.01)**
[25] EN
[54] **BATTERY WITH ELECTROCHEMICAL CELL**
[54] **BATTERIE AVEC CELLULE ELECTROCHIMIQUE**
[72] STIMMING, ULRICH, DE
[72] DIEKMANN, MARC HENNING, DE
[71] LITRICITY GMBH, DE
[85] 2024-05-14
[86] 2022-11-15 (PCT/EP2022/082004)
[87] (WO2023/084117)
[30] EP (21208274.7) 2021-11-15

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/12 (2006.01) C07K 14/165 (2006.01)**
[25] EN
[54] **UNIVERSAL SARBECOVIRUS VACCINES**
[54] **VACCINS UNIVERSELS CONTRE LES SARBECOVIRUS**
[72] LEVY, YVES, FR
[72] ZURAWSKI, GERARD, US
[72] ZURAWSKI, SANDRA, US
[72] CENTLIVRE, MIREILLE, FR
[72] LACABARATZ, CHRISTINE, FR
[72] CARDINAUD, SYLVAIN, FR
[72] SURENAUD, MATHIEU, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[71] UNIVERSITE PARIS EST CRETEIL VAL DE MARNE, FR
[71] BAYLOR RESEARCH INSTITUTE, US
[85] 2024-05-14
[86] 2022-11-16 (PCT/EP2022/082134)
[87] (WO2023/088968)
[30] EP (21306597.2) 2021-11-17

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[13] A1
[51] **Int.Cl. G09B 17/00 (2006.01) G06N 20/00 (2019.01) G06F 40/117 (2020.01) G06F 40/169 (2020.01) G06F 40/205 (2020.01) G06N 3/02 (2006.01) G09B 5/06 (2006.01) G09B 19/04 (2006.01) G10L 13/02 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME**
[72] STEPHEN, CHRISTOPHER COLIN, AU
[71] ELVO3 PTY LTD, AU
[85] 2024-05-16
[86] 2022-11-15 (PCT/AU2022/051361)
[87] (WO2023/087051)
[30] AU (2021903667) 2021-11-16
[30] AU (2022228148) 2022-09-08

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[13] A1
[51] **Int.Cl. B25J 15/04 (2006.01)**
[25] EN
[54] **TOOL CHECK DEVICE, TOOL CHECK PROGRAM, AND TOOL CHECK METHOD FOR ROBOT ARM**
[54] **DISPOSITIF DE VERIFICATION D'OUTIL POUR BRAS DE ROBOT, PROGRAMME DE VERIFICATION D'OUTIL ET PROCEDE DE VERIFICATION D'OUTIL**
[72] TOKUMOTO, MASARU, JP
[72] YAMASHITA, TOMOKI, JP
[72] KIMURA, KENICHIRO, JP
[72] HIRAYAMA, JUNTA, JP
[71] MAYEKAWA MFG. CO., LTD., JP
[85] 2024-05-14
[86] 2022-10-06 (PCT/JP2022/037477)
[87] (WO2023/089981)
[30] JP (2021-187595) 2021-11-18

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[13] A1
[51] **Int.Cl. A47G 1/20 (2006.01) F16B 15/00 (2006.01)**
[25] EN
[54] **WALL HANGERS AND ASSEMBLIES FOR HEAVYWEIGHT OBJECTS**
[54] **DISPOSITIFS DE SUSPENSION ET ENSEMBLES MURAUX POUR OBJETS LOURDS**
[72] HOFFMAN, JOSEPH A., US
[72] HELGESON, ANDREW T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2024-05-14
[86] 2022-11-15 (PCT/IB2022/061005)
[87] (WO2023/089487)
[30] US (63/279,809) 2021-11-16

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/074 (2010.01) A61K 35/30 (2015.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/52 (2006.01) A61L 27/58 (2006.01) A61P 27/02 (2006.01) C07K 14/78 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR SHEET-LIKE RETINAL TISSUE**
[54] **PROCEDE DE PRODUCTION DE TISSU RETINIEN EN FORME DE FEUILLE**
[72] MANDAI, MICHIKO, JP
[72] TAKAHASHI, MASAYO, JP
[72] YAMASAKI, SUGURU, JP
[72] HORIUCHI, MATSURI, JP
[71] RIKEN, JP
[71] SUMITOMO PHARMA CO., LTD., JP
[85] 2024-05-14
[86] 2022-11-18 (PCT/JP2022/042876)
[87] (WO2023/090427)
[30] JP (2021-188941) 2021-11-19

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[13] A1
[51] **Int.Cl. A61C 17/34 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTROLLING POWER TAPPING MOTION**
[54] **SYSTEMES ET PROCEDES DE COMMANDE DE LA PUISSANCE DE MOUVEMENT DE TAPOTEMENT**
[72] AHLMAN, DAVE, NL
[72] VOLMER, JASPER C., NL
[72] STORCH, DAVID ROBERT, NL
[72] UBACHS, RENE LEONARDUS JACOBUS MARIE, NL
[72] BARINK, MARCO, NL
[72] LEE, SUNGSOO, NL
[72] ADRIAENSEN, GUIDO ANTONIUS THEODORUS, NL
[72] BENNING, WOLTER F., NL
[72] ALBRIGHT, ETHAN, NL
[72] WILLIAMS, KAYLEIGH, NL
[72] WEICHSLER, WALTER JULIUS, NL
[72] FOSTER, REGAN STARKEY, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-16
[86] 2022-11-11 (PCT/EP2022/081604)
[87] (WO2023/088800)
[30] US (63/281,653) 2021-11-20

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[13] A1
[51] **Int.Cl. A23J 3/22 (2006.01) A23P 30/20 (2016.01) A23J 3/26 (2006.01)**
[25] EN
[54] **FOOD PRODUCT AND DEVICE AND METHOD FOR MANUFACTURING THE SAME**
[54] **PRODUIT ALIMENTAIRE, ET DISPOSITIF ET PROCEDE POUR SA PRODUCTION**
[72] MITCHELL, WILLIAM ROBERT, CH
[72] ROBERTS, IAN DAVID, CH
[72] GEORGET, ERIKA SYLVIE, CH
[71] BUHLER AG, CH
[85] 2024-05-14
[86] 2022-11-28 (PCT/EP2022/083511)
[87] (WO2023/099413)
[30] EP (21211396.3) 2021-11-30

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[13] A1
[51] **Int.Cl. A61B 5/16 (2006.01) A63H 33/08 (2006.01) G09B 9/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **MODULAR TRAINER**
[54] **APPAREIL D'ENTRAINEMENT MODULAIRE**
[72] LEVIN, FYODOR ARKADIEVICH, RU
[71] LEVIN, FYODOR ARKADIEVICH, RU
[85] 2024-05-14
[86] 2022-10-20 (PCT/RU2022/000318)
[87] (WO2023/091048)
[30] RU (2021133409) 2021-11-17

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[54] **NANOCRYSTALLINE PREPARATION OF ROCK2 INHIBITOR AND PREPARATION METHOD THEREFOR**
[54] **PREPARATION NANOCRISTALLINE D'INHIBITEUR DE ROCK2 ET SON PROCEDE DE PREPARATION**
[72] LU, DI, CN
[72] ZHU, ZHAOLU, CN
[72] ZHANG, ZHIBING, CN
[72] NIU, SHENGPAN, CN
[72] LU, YONGJIE, CN
[72] XU, JIAJIA, CN
[72] ZHANG, SHASHA, CN
[71] BEIJING TIDE PHARMACEUTICAL CO., LTD., CN
[85] 2024-05-14
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[87] (WO2023/088231)
[30] CN (202111358608.8) 2021-11-16
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[51] **Int.Cl. C12P 5/02 (2006.01) C25B 3/03 (2021.01) C25B 3/26 (2021.01) C25B 9/40 (2021.01) C25B 11/037 (2021.01) C25B 11/054 (2021.01) C25B 11/065 (2021.01) C25B 11/075 (2021.01) C25B 15/023 (2021.01) C12M 1/00 (2006.01) C12M 1/107 (2006.01) C12M 1/12 (2006.01) C12M 1/42 (2006.01) C12N 13/00 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **A PROCESS TO TREAT A CARBON DIOXIDE COMPRISING GAS**
[54] **PROCEDE DE TRAITEMENT D'UN GAZ COMPRENANT DU DIOXYDE DE CARBONE**
[72] LIU, DANDAN, NL
[72] DE RINK, FREDERIKUS, NL
[72] KLOK, JOHANNES BERNARDUS MARIA, NL
[71] PAQELL B.V., NL
[85] 2024-05-14
[86] 2022-11-24 (PCT/EP2022/083088)
[87] (WO2023/094503)
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[25] EN
[54] **MULTI-PURPOSE BEAM ASSEMBLY FOR SCAFFOLDING SYSTEM**
[54] **ENSEMBLE POUTRE POLYVALENTE POUR UN SYSTEME D'ECHAFAUDAGE**
[72] ROGERS, PETER, LU
[71] ATLANTIC PACIFIC EQUIPMENT, LLC, US
[85] 2024-05-14
[86] 2022-09-28 (PCT/CN2022/121932)
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[30] US (63/279,440) 2021-11-15

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[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PENTAPEPTIDE AND USE THEREOF**
[54] **PENTAPEPTIDE ET SON UTILISATION**
[72] KIM, HAE JIN, KR
[72] MOON, EUN JOUNG, KR
[72] LEE, CHEOL MIN, KR
[72] HAN, YUN HEE, KR
[71] ENSOL BIOSCIENCES INC., KR
[85] 2024-05-14
[86] 2022-10-28 (PCT/KR2022/016699)
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[30] KR (10-2021-0158732) 2021-11-17

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[51] **Int.Cl. A01B 69/00 (2006.01)**
[25] EN
[54] **A METHOD FOR CULTIVATING A PIECE OF FARMLAND AND A TRACTOR FOR EMPLOYING THE METHOD**
[54] **PROCEDE DE CULTURE D'UNE PARCELLE DE TERRE AGRICOLE ET TRACTEUR POUR METTRE EN □UVRE LE PROCEDE**
[72] HIDDEMA, JORIS JAN, NL
[72] SCHMITZ, LAURENTIUS HUBERTUS MARGARETHA, NL
[71] AGXEED HOLDING B.V., NL
[85] 2024-05-14
[86] 2022-12-06 (PCT/NL2022/050702)
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[30] NL (2030058) 2021-12-07

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[54] **EXPLANATION SUPPORTING SYSTEM**
[54] **SYSTEME DE SUPPORT D'EXPLICATION**
[72] SEKINE, KIYOSHI, JP
[71] INTERACTIVE SOLUTIONS CORP., JP
[85] 2024-05-15
[86] 2022-11-08 (PCT/JP2022/041562)
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[54] **PEDAL**
[54] **PEDALE**
[72] BELKNAP, KENNETH, US
[72] MERCIER, MATTHEW, US
[72] BAPTISTA, MARK, US
[71] BELKNAP, KENNETH, US
[85] 2024-05-14
[86] 2022-12-02 (PCT/US2022/051627)
[87] (WO2023/102169)
[30] US (63/285,115) 2021-12-02
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[51] **Int.Cl. A61K 9/20 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE DOSAGE FORMS CONTAINING SIMETHICONE**
[54] **FORMES POSOLOGIQUES PERSONNALISABLES CONTENANT DE LA SIMETHICONE**
[72] HOPSON, PEYTON, US
[72] HOWARD, MATTHEW A., US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2024-05-15
[86] 2022-11-01 (PCT/IB2022/060527)
[87] (WO2023/089432)
[30] US (63/264,122) 2021-11-16

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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **GAS LIFT LATCH**
[54] **VERROU POUR L'EXTRACTION AU GAZ**
[72] WANG, CHAO, US
[72] OH, SHAO CHONG, SG
[72] KAMPHAUS, JASON, US
[72] BALASUBRAMANIAN, GANESH, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2024-05-15
[86] 2022-11-18 (PCT/US2022/050464)
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[51] **Int.Cl. C12Q 1/70 (2006.01) G01J 3/44 (2006.01) G01N 21/65 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **METHODS FOR DETERMINATION OF VIRUS TITER IN A SAMPLE USING RAMAN SPECTROSCOPY**
[54] **PROCEDES POUR DETERMINER LE TITRE VIRAL DANS UN ECHANTILLON A L'AIDE DE LA SPECTROSCOPIE RAMAN**
[72] BALSS, KARIN M., US
[72] SCHULTZ, ZACHARY, US
[72] MORDER, COURTNEY J., US
[71] JANSSEN BIOTECH, INC., US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2024-05-15
[86] 2022-11-21 (PCT/US2022/050543)
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[30] US (63/281,441) 2021-11-19

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[51] **Int.Cl. A61C 17/34 (2006.01)**
[25] EN
[54] **OPTIMAL PARAMETERS FOR SWEEPING AND POWER TAPPING MOTIONS**
[54] **PARAMETRES OPTIMAUX POUR DES MOUVEMENTS DE NETTOYAGE ET DE TAPOTEMENT PUISSANT**
[72] DENGLER, EVAN DAK WAH, NL
[72] LEE, SUNGSOO, NL
[72] MILLER, KEVIN ARNOLD, NL
[71] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL
[85] 2024-05-16
[86] 2022-11-14 (PCT/EP2022/081696)
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[51] **Int.Cl. C01B 25/00 (2006.01) C07F 9/22 (2006.01) C07F 9/24 (2006.01) C07F 9/58 (2006.01)**
[25] EN
[54] **LIGAND-ASSISTED DEOXYGENATION OF PHOSPHATES TO FORM NITROGEN-CONTAINING PHOSPHORUS(V) PRECURSORS AND THEIR SUBSEQUENT CONVERSION TO VARIOUS OXYPHOSPHORUS COMPOUNDS**
[54] **DESOXYGENATION ASSISTEE PAR LIGAND DE PHOSPHATES POUR FORMER DES PRECURSEURS DE PHOSPHORE CONTENANT DE L'AZOTE (V) ET LEUR CONVERSION ULTERIEURE EN DIVERS COMPOSES D'OXYPHOSPHORE**
[72] WEIGAND, JAN, DE
[72] SCHWEDTMANN, KAI, DE
[72] SCHOEMAKER, ROBIN, DE
[72] SCHULZ, STEPHEN, DE
[71] TECHNISCHE UNIVERSITAT DRESDEN, DE
[85] 2024-05-15
[86] 2022-11-17 (PCT/EP2022/082279)
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[51] **Int.Cl. C07K 14/665 (2006.01) A61K 38/17 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDES AND USES THEREOF**
[54] **PEPTIDES ET LEURS UTILISATIONS**
[72] PAREKH, HARENDRA, AU
[72] VAN DEVENTER, STEPHEN, CA
[72] TUPALLY, KARNAKER, AU
[71] PREVECEUTICAL MEDICAL INC., CA
[85] 2024-05-16
[86] 2022-11-18 (PCT/IB2022/061117)
[87] (WO2023/089542)
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[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01) A61B 90/90 (2016.01) A61B 17/29 (2006.01) A61B 17/30 (2006.01) A61F 9/007 (2006.01) A61M 5/178 (2006.01)**
[25] EN
[54] **TOOLS FOR MICROSURGICAL PROCEDURES**
[54] **OUTILS DE PROCEDURES MICROCHIRURGICALES**
[72] GIL, ARIEL, IL
[72] GOLAN, YOAV, IL
[72] KORMAN, TAL, IL
[72] ARNOLD, OFER, IL
[72] GLOZMAN, DANIEL, IL
[72] SOHN, ZEV, IL
[71] FORSIGHT ROBOTICS LTD., IL
[85] 2024-05-16
[86] 2022-12-01 (PCT/IB2022/061633)
[87] (WO2023/100123)
[30] US (63/285,147) 2021-12-02

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) A61F 9/007 (2006.01)**
[25] EN
[54] **ROBOTIC UNIT FOR MICROSURGICAL PROCEDURES**
[54] **UNITE ROBOTIQUE POUR PROCEDURES MICROCHIRURGICALES**
[72] KORMAN, TAL, IL
[72] GIL, ARIEL, IL
[72] GOLAN, YOAV, IL
[72] ARNOLD, OFER, IL
[72] GLOZMAN, DANIEL, IL
[71] FORSIGHT ROBOTICS LTD., IL
[85] 2024-05-16
[86] 2022-12-01 (PCT/IB2022/061635)
[87] (WO2023/100125)
[30] US (63/285,218) 2021-12-02

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/519 (2006.01) A61P 29/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **A FILM COATED TABLET COMPRISING MICRONIZED TOFACITINIB**
[54] **COMPRIME ENROBE DE FILM COMPRENANT DU TOFACITINIB MICRONISE**
[72] GULER, TOLGA, TR
[72] PEHLIVAN AKALIN, NUR, TR
[72] SUNEL, FATIH, TR
[71] SANOVEL ILAC SANAYI VE TICARET ANONIM SIRKETI,
[85] 2024-05-15
[86] 2022-11-11 (PCT/TR2022/051285)
[87] (WO2023/086066)
[30] TR (2021/017729) 2021-11-15

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01)**
[25] EN
[54] **BATTERY-POWERED GATEWAY FOR ENABLING LOCATION-BASED ACCESS CONTROL BY AN ACCESS CONTROL SERVER**
[54] **PASSERELLE ALIMENTEE PAR BATTERIE POUR ACTIVER UN CONTROLE D'ACCES BASE SUR L'EMPLACEMENT PAR UN SERVEUR DE CONTROLE D'ACCES**
[72] OVASKA, MARKO, FI
[72] PIIROINEN, VIRVE, FI
[72] HEINONEN, MIIKA, FI
[71] ASSA ABLOY GLOBAL SOLUTIONS AB, SE
[85] 2024-05-14
[86] 2022-11-17 (PCT/EP2022/082284)
[87] (WO2023/094260)
[30] SE (2151445-0) 2021-11-26
[30] SE (2151446-8) 2021-11-26

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[13] A1
[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **OPHTHALMIC MASK, OPTHALMIC DEVICE AND USE THEREOF**
[54] **MASQUE OPHTALMIQUE, DISPOSITIF OPHTALMIQUE ET UTILISATION CONNEXE**
[72] THYZEL, REINHARDT, DE
[72] THYZEL, COLIN FRANCIS, DE
[71] A.R.C. LASER GMBH, DE
[85] 2024-05-15
[86] 2022-11-18 (PCT/EP2022/082444)
[87] (WO2023/089116)
[30] DE (10 2021 130 135.1) 2021-11-18

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[13] A1
[51] **Int.Cl. B23D 45/02 (2006.01) B23D 47/02 (2006.01)**
[25] EN
[54] **APPARATUS FOR SUPPORTING SAW ASSEMBLIES**
[54] **APPAREIL DE SUPPORT D'ENSEMBLES SCIE**
[72] PANNIA, GREGORIO, CA
[71] ELITE BUILDING GROUP INC., CA
[85] 2024-05-15
[86] 2022-09-07 (PCT/CA2022/051339)
[87] (WO2023/087094)
[30] US (63/280,998) 2021-11-18

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[13] A1
[51] **Int.Cl. A61C 17/34 (2006.01) A61C 17/32 (2006.01)**
[25] EN
[54] **DRIVETRAIN ASSEMBLIES FOR GENERATING POWER TAPPING MOTION USING FLEXURES**
[54] **ENSEMBLES DE TRANSMISSION POUR GENERER UN MOUVEMENT DE PRISE DE PUISSANCE A L'AIDE DE FLEXIONS**
[72] AHLMAN, DAVE, NL
[72] HALL, SCOTT, E., NL
[72] STORCH, DAVID, ROBERT, NL
[72] BENNING, WOLTER, F., NL
[72] LEE, SUNGSOO, NL
[72] FOSTER, REGAN, STARKEY, NL
[72] MILLER, KEVIN, ARNOLD, NL
[72] ALBRIGHT, ETHAN, NL
[72] WEICHSLER, WALTER, JULIUS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-15
[86] 2022-11-18 (PCT/EP2022/082401)
[87] (WO2023/089092)
[30] US (63/281,645) 2021-11-20

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2023.01) G06Q 10/10 (2023.01) G06N 20/20 (2019.01)**
[25] EN
[54] **INTELLIGENCE DRIVEN METHOD AND SYSTEM FOR MULTI-FACTOR OPTIMIZATION OF SCHEDULES AND RESOURCE RECOMMENDATIONS FOR SMART CONSTRUCTION**
[54] **PROCEDE ET SYSTEME COMMANDES PAR INTELLIGENCE POUR L'OPTIMISATION MULTIFACTORIELLE DE CALENDRIERS ET DE RECOMMANDATIONS DE RESSOURCES POUR LA CONSTRUCTION INTELLIGENTE**
[72] KUMAR, SENTHIL MANICKAVASGAM, US
[71] SLATE TECHNOLOGIES INC., US
[85] 2024-05-14
[86] 2022-10-26 (PCT/US2022/047823)
[87] (WO2023/091275)
[30] US (63/280,881) 2021-11-18
[30] US (17/683,858) 2022-03-01

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[13] A1
[51] **Int.Cl. B62D 6/00 (2006.01) B60P 1/04 (2006.01) B62D 5/07 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE AND CONTROL METHOD FOR WORK VEHICLE**
[54] **SYSTEME DE COMMANDE DE VEHICULE DE TRAVAIL ET PROCEDE DE COMMANDE DE VEHICULE DE TRAVAIL**
[72] WADA, TAICHI, JP
[72] KADONO, YOSUKE, JP
[71] KOMATSU LTD., JP
[85] 2024-05-14
[86] 2022-11-09 (PCT/JP2022/041725)
[87] (WO2023/085321)
[30] JP (2021-185956) 2021-11-15

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[13] A1
[51] **Int.Cl. G05B 19/418 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN ELECTRICAL SWITCHING OR CONTROL SYSTEM**
[54] **PROCEDE DE PRODUCTION D'UN SYSTEME DE COMMUTATION ELECTRIQUE OU D'UN SYSTEME DE COMMANDE**
[72] ABRASS, AHMAD, DE
[72] STEFFEN, THOMAS, DE
[71] RITTAL GMBH & CO. KG, DE
[85] 2024-05-15
[86] 2022-10-13 (PCT/DE2022/100759)
[87] (WO2023/088511)
[30] DE (10 2021 130 517.9) 2021-11-22

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0215 (2006.01) A61F 2/24 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **SENSOR IMPLANT DEVICE ANCHORING**
[54] **ANCRAGE DE DISPOSITIF D'IMPLANT DE CAPTEUR**
[72] VALDEZ, MICHAEL G., US
[72] POOL, SCOTT LOUIS, US
[72] HINZMAN, JULIE ANN, US
[72] MAHMOUDI, RANI ABDULLAH, US
[72] CHANG, ARVIN T., US
[72] MCCONNELL, STEVEN, US
[72] AMEFIA, KOKOU ANANI, US
[72] RABBAH, JEAN-PIERRE MICHEL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2024-05-15
[86] 2022-05-20 (PCT/US2022/030211)
[87] (WO2022/246169)
[30] US (63/191,534) 2021-05-21
[30] US (63/224,286) 2021-07-21
[30] US (63/225,039) 2021-07-23
[30] US (63/235,038) 2021-08-19

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[51] **Int.Cl. H04L 9/32 (2006.01) H04L 9/40 (2022.01) G07C 9/00 (2020.01) H04L 9/00 (2022.01)**
[25] EN
[54] **SMART ACCESS CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE D'ACCES INTELLIGENT**
[72] SCHOENFELDER, LUKE ANDREW, US
[72] JONES, MICHAEL BRIAN, US
[72] VAN DYK, TRACY, US
[72] WRIGHT, SAGE, US
[72] ABRAHAM, EUAN SCOTT FOSTER, US
[72] CHEN, KEVIN, US
[72] SIRKEN, AARON, US
[71] LATCH SYSTEMS, INC., US
[85] 2024-05-15
[86] 2022-10-31 (PCT/US2022/048430)
[87] (WO2023/086234)
[30] US (63/279,453) 2021-11-15
[30] US (17/833,175) 2022-06-06

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[13] A1
[51] **Int.Cl. C07K 14/39 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ALPHA-FACTOR PREPRO SEQUENCE AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UNE SEQUENCE PREPRO DE FACTEUR ALPHA ET LEURS UTILISATIONS**
[72] GILL, TAYLOR, US
[72] JAMMEH, KEMO, US
[72] EROSHENKO, NIKOLAI, US
[71] HELIX NANOTECHNOLOGIES INC, US
[85] 2024-05-15
[86] 2023-01-05 (PCT/US2023/010253)
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[30] US (63/296,824) 2022-01-05

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 7/06 (2006.01) E21B 33/127 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **METHOD FOR POSITIONING A MULTILATERAL JUNCTION WITHOUT THE NEED FOR A DEFLECTOR ASSEMBLY**
[54] **PROCEDE DE POSITIONNEMENT D'UNE JONCTION MULTILATERALE SANS AVOIR BESOIN D'UN ENSEMBLE DEFLECTEUR**
[72] RODRIGUEZ, FRANKLIN, NO
[72] SANTIN, YOANN, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2024-05-15
[86] 2023-01-18 (PCT/US2023/011002)
[87] (WO2023/141126)
[30] US (63/300,539) 2022-01-18
[30] US (18/097,772) 2023-01-17

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[13] A1
[51] **Int.Cl. B60L 50/00 (2019.01) B60L 50/10 (2019.01) B60L 50/50 (2019.01) B60L 50/75 (2019.01) B60L 53/00 (2019.01) B60K 1/04 (2019.01) B60L 1/00 (2006.01) B60L 1/02 (2006.01) B60P 3/20 (2006.01) B60P 3/32 (2006.01) B60R 16/03 (2006.01) B60R 16/033 (2006.01)**
[25] EN
[54] **TRAILER POWERPACK WITH RANGE EXTENDER**
[54] **BLOC D'ALIMENTATION DE REMORQUE AVEC PROLONGATEUR D'AUTONOMIE**
[72] REHOUMA, FETHI, CA
[71] REHOUMA, FETHI, CA
[85] 2024-05-15
[86] 2022-11-15 (PCT/CA2022/051684)
[87] (WO2023/082025)
[30] US (63/279,376) 2021-11-15

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[13] A1
[51] **Int.Cl. B60L 53/60 (2019.01) B60L 53/30 (2019.01) B60L 53/53 (2019.01)**
[25] EN
[54] **SMART BATTERY BASED ELECTRIC VEHICLE CHARGING SYSTEM WITH MULTIPLE INPUT PORTS AND MULTIPLE OUTPUT PORTS**
[54] **SYSTEME INTELLIGENT DE CHARGE DE VEHICULES ELECTRIQUES A BATTERIES AVEC MULTIPLES PRISES D'ENTREE ET MULTIPLES PRISES DE SORTIE**
[72] MOON, SUNG UB, CA
[71] MOON, SUNG UB, CA
[85] 2024-05-15
[86] 2023-07-13 (PCT/CA2023/050945)
[87] (WO2024/011326)
[30] US (63/389,255) 2022-07-14

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[13] A1
[51] **Int.Cl. C01C 1/00 (2006.01) C01C 1/04 (2006.01) F17C 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE PRODUCTION OF AMMONIA**
[54] **SYSTEME ET METHODE DE PRODUCTION D'AMMONIAC**
[72] SMITH, COLLIN, GB
[72] TORRENTE MURCIANO, LAURA, GB
[71] CAMBRIDGE ENTERPRISE LIMITED, GB
[85] 2024-05-15
[86] 2022-10-12 (PCT/EP2022/078425)
[87] (WO2023/094068)
[30] GB (2117184.8) 2021-11-29

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[51] **Int.Cl. H01L 31/18 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING SOLAR MODULES**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE MODULES SOLAIRES**
[72] BLAIN, DAVID, DE
[72] FEHRENBACH, MICHAEL, DE
[72] BLUM, SEBASTIAN, DE
[72] SEITERICH, PASCAL, DE
[72] BAUMANN, FRANK, DE
[72] RINKLIN, KILIAN, DE
[72] SALADIN, MARCO, DE
[72] JEHL, DOMINIQUE, FR
[72] SCHULTIS, MARTIN, DE
[72] REICHLING, CHRISTIAN, DE
[72] ZAHN, PHILIPP DONATUS MARTIN, DE
[71] M10 SOLAR EQUIPMENT GMBH, DE
[85] 2024-05-15
[86] 2022-11-03 (PCT/EP2022/080726)
[87] (WO2023/088691)
[30] DE (10 2021 130 295.1) 2021-11-19

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[13] A1
[51] **Int.Cl. G06N 3/045 (2023.01) G06N 3/084 (2023.01) G06N 3/006 (2023.01) G06N 3/008 (2023.01) G06N 5/043 (2023.01) G06N 7/01 (2023.01)**
[25] EN
[54] **CONTROLLING A SWARM OF AGENTS**
[54] **COMMANDE D'UN ESSAIM D'AGENTS**
[72] ESPINOS LONGA, MARC, GB
[71] BAE SYSTEMS PLC, GB
[85] 2024-05-15
[86] 2022-11-17 (PCT/GB2022/052920)
[87] (WO2023/089320)
[30] GB (2116649.1) 2021-11-18

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[13] A1
[51] **Int.Cl. A61C 17/32 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **SYNCHRONIZATION AND DE-SYNCHRONIZATION OF SWEEPING AND POWER TAPPING MOTIONS**
[54] **SYNCHRONISATION ET DESYNCHRONISATION DE MOUVEMENTS DE BALAYAGE ET DE PRISE D'ENERGIE**
[72] ADRIAENSEN, GUIDO ANTONIUS THEODORUS, NL
[72] DENGLER, EVAN DAK WAH, NL
[72] BRANDAO SILVA, PRISCILLA, NL
[72] LEE, SUNGSOO, NL
[72] MILLER, KEVIN ARNOLD, NL
[72] WILLIAMS, KAYLEIGH KARINA, NL
[72] GERHARDT, LUTZ CHRISTIAN, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-15
[86] 2022-11-08 (PCT/EP2022/081052)
[87] (WO2023/088721)
[30] US (63/281,655) 2021-11-20

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[13] A1
[51] **Int.Cl. A61C 17/34 (2006.01)**
[25] EN
[54] **DRIVETRAIN ASSEMBLIES FOR GENERATING SWEEPING MOTION AND POWER TAPPING MOTION**
[54] **ENSEMBLES DE TRANSMISSION POUR GENERER UN MOUVEMENT DE BALAYAGE ET UN MOUVEMENT DE TAPOTEMENT DE PUISSANCE**
[72] AHLMAN, DAVE, NL
[72] HALL, SCOTT E., NL
[72] STORCH, DAVID ROBERT, NL
[72] LEE, SUNGSOO, NL
[72] BENNING, WOLTER F., NL
[72] ALBRIGHT, ETHAN, NL
[72] MILLER, KEVIN ARNOLD, NL
[72] WEICHSLER, WALTER JULIUS, NL
[72] FOSTER, REGAN STARKEY, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2024-05-15
[86] 2022-11-14 (PCT/EP2022/081726)
[87] (WO2023/088824)
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[51] **Int.Cl. A61G 7/10 (2006.01) B66C 17/00 (2006.01) H01R 41/00 (2006.01)**
[25] EN
[54] **PATIENT HOIST**
[54] **LEVE-PATIENT**
[72] CUSTEAU-BOISCLAIR, OLIVIER, CA
[72] BRULOTTE, DENIS-ALEXANDRE, CA
[72] BELANGER-BRAULT, JACOB, CA
[72] GAUDET, MARIE-PIER, CA
[71] ARJO IP HOLDING AKTIEBOLAG, SE
[85] 2024-05-15
[86] 2022-11-25 (PCT/EP2022/083316)
[87] (WO2023/104549)
[30] SE (2151485-6) 2021-12-06

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[13] A1
[51] **Int.Cl. C02F 11/08 (2006.01) C02F 1/72 (2006.01) C02F 11/18 (2006.01)**
[25] EN
[54] **APPLYING CHEMICAL OXYGEN DEMAND AND HEATING VALUE DIAGNOSTICS TO ENHANCE PERFORMANCE OF A SCWO PROCESS**
[54] **APPLICATION DE DIAGNOSTICS DE DEMANDE CHIMIQUE EN OXYGENE ET DE POUVOIR CALORIFIQUE POUR AMELIORATION DES PERFORMANCES D'UN PROCEDE D'OXYDATION EN EAU SUPERCRITIQUE**
[72] NAGAR, YAACOV, US
[72] BALLENGHIEN, DAVID, US
[72] DESHUSSES, MARC, US
[71] 374WATER INC., US
[85] 2024-05-17
[86] 2022-11-29 (PCT/US2022/051269)
[87] (WO2023/101977)
[30] US (63/284,469) 2021-11-30

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[51] **Int.Cl. A61K 31/47 (2006.01) A61K 31/4184 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NITROXOLINE FOR USE IN THE TREATMENT OR PREVENTION OF A PLEXIFORM NEUROFIBROMA**
[54] **NITROXOLINE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT OU LA PREVENTION D'UN NEUROFIBROME PLEXIFORME**
[72] BROWN, DAVID, GB
[71] HEALX LTD, GB
[85] 2024-05-15
[86] 2022-11-18 (PCT/GB2022/052933)
[87] (WO2023/089328)
[30] GB (2116743.2) 2021-11-19

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[51] **Int.Cl. C07D 237/30 (2006.01) A61K 31/502 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/06 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 405/06 (2006.01) C07D 405/14 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **PHTHALAZINE DERIVATIVES AS PYRUVATE KINASE MODULATORS**
[54] **DERIVES DE PHTALAZINE UTILISES EN TANT QUE MODULATEURS DE PYRUVATE KINASE**
[72] COUSIN, DAVID, GB
[72] BARBA, OSCAR, GB
[71] SITRYX THERAPEUTICS LIMITED, GB
[85] 2024-05-15
[86] 2022-12-22 (PCT/GB2022/053355)
[87] (WO2023/118875)
[30] EP (21216843.9) 2021-12-22
[30] EP (22177827.7) 2022-06-08
[30] GB (PCT/GB2022/052781) 2022-11-04

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[51] **Int.Cl. A61K 9/24 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **CONTROLLED RELEASE FORMULATIONS OF FLAVOXATE AND PROCESS FOR PREPARATION THEREOF**
[54] **FORMULATIONS A LIBERATION CONTROLEE DE FLAVOXATE ET PROCEDE DE PREPARATION DE CELLES-CI**
[72] BERLIA, SUSHMA PAUL, IN
[72] BERLIA, NISHANT, IN
[72] SINGH, GURVINDER, IN
[72] DIWAN, ANUPAMA, IN
[71] BERLIA, SUSHMA PAUL, IN
[85] 2024-05-15
[86] 2022-11-18 (PCT/IB2022/061141)
[87] (WO2023/089553)
[30] IN (202111053299) 2021-11-19

[21] **3,238,810**
[13] A1
[51] **Int.Cl. C25D 17/10 (2006.01) C25D 3/22 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ELECTROPLATING PARTS WITH METAL**
[54] **PROCEDE ET SYSTEME DE PLACAGE ELECTROLYTIQUE D'UN ARTICLE AVEC UN METAL**
[72] NIIKURA, TOSHIHIRO, US
[72] CHAFFEE, ALEC, US
[72] NAHLAWI, TAREK, US
[72] TSUKIYAMA, SHUNTARO, US
[71] DIPSOL CHEMICALS CO., LTD., JP
[85] 2024-05-15
[86] 2022-01-21 (PCT/JP2022/002164)
[87] (WO2023/100381)
[30] US (63/285,433) 2021-12-02

[21] **3,238,816**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION CANCER THERAPY**
[54] **POLYTHERAPIE ANTICANCEREUSE**
[72] BESNEUX, MATTHIEU, GB
[72] GLANVILLE, NICHOLAS, GB
[72] DEBAN, LIVIJA, GB
[71] PROKARIUM LIMITED, GB
[85] 2024-05-15
[86] 2022-12-09 (PCT/EP2022/085258)
[87] (WO2023/105076)
[30] EP (21213559.4) 2021-12-09

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[13] A1
[51] **Int.Cl. E02B 17/02 (2006.01) B63B 77/00 (2020.01) E02D 27/52 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **INTEGRATED LIQUEFIED NATURAL GAS (LNG) PRODUCTION FACILITY ON A GRAVITY-BASED STRUCTURE (GBS)**
[54] **COMPLEXE INTEGRE DE PRODUCTION DE GAZ NATUREL LIQUEFIE (GNL) SUR UNE PLATEFORME GRAVITAIRE (PG)**
[72] MIKHELSON, LEONID VIKTOROVICH, RU
[72] RETIVOV, VALERIY NIKOLAEVICH, RU
[72] SOLOVYEV, SERGEY GENNADYEVICH, RU
[71] PUBLICHNOE AKTSIONERNOE OBSHCHESTVO "NOVATEK", RU
[85] 2024-05-22
[86] 2022-09-22 (PCT/RU2022/000288)
[87] (WO2023/096526)
[30] RU (2021134310) 2021-11-24

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[13] A1
[51] **Int.Cl. B22D 41/24 (2006.01) B22D 41/34 (2006.01) B22D 41/40 (2006.01)**
[25] EN
[54] **SLIDING NOZZLE APPARATUS**
[54] **APPAREIL A BUSETTE COULISSANTE**
[72] IMAHASE, TOSHIHIRO, JP
[72] OTSUKA, AKIRA, JP
[72] FUJIMOTO, TAKESHI, JP
[71] KROSAKIHARIMA CORPORATION, JP
[85] 2024-05-22
[86] 2023-01-12 (PCT/JP2023/000627)
[87] (WO2023/145463)
[30] JP (2022-010446) 2022-01-26

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[13] A1
[51] **Int.Cl. G08G 1/01 (2006.01) G08G 1/09 (2006.01) G08G 1/097 (2006.01)**
[25] EN
[54] **TRAFFIC MANAGEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE GESTION DE TRAFIC**
[72] GHODS, AMIR HOSEIN, CA
[72] GHODS, AMIR REZA, CA
[71] GHODS, AMIR HOSEIN, CA
[71] GHODS, AMIR REZA, CA
[85] 2024-05-22
[86] 2022-11-22 (PCT/CA2022/051715)
[87] (WO2023/092221)
[30] US (63/264,452) 2021-11-23

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[13] A1
[51] **Int.Cl. G08B 17/00 (2006.01) G08B 17/06 (2006.01) H01H 37/00 (2006.01) H01H 37/52 (2006.01)**
[25] EN
[54] **FOREST FIRE EARLY DETECTION SYSTEM WITH PIEZO/BIMETALLIC SENSOR, AND METHOD FOR OPERATING A FOREST FIRE EARLY DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION PRECOCE DE FEU DE FORET COMPRENANT UN CAPTEUR PIEZOELECTRIQUE/A BILAME ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE DETECTION PRECOCE DE FEU DE FORET**
[72] BRINKSCHULTE, CARSTEN, DE
[72] BONIG, MARCO, DE
[71] DRYAD NETWORKS GMBH, DE
[85] 2024-05-22
[86] 2022-11-25 (PCT/EP2022/083292)
[87] (WO2023/094596)
[30] DE (10 2021 131 104.7) 2021-11-26

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[13] A1
[51] **Int.Cl. G01N 1/06 (2006.01)**
[25] EN
[54] **AUTOMATED TISSUE SECTION SYSTEM WITH THICKNESS CONSISTENCY CONTROLS**
[54] **SYSTEME AUTOMATISE DE COUPE DE TISSUS AVEC COMMANDE DE CONSTANCE DE L'EPAISSEUR**
[72] MITRA, PARTHA, US
[72] AMES, AARON, US
[72] YAGCI, BARIS, US
[72] SHUSKO, ROBERT, US
[72] CHEN, ROBERT, US
[71] CLARAPATH, INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080373)
[87] (WO2023/092156)
[30] US (63/264,383) 2021-11-22
[30] US (17/992,894) 2022-11-22

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[13] A1
[51] **Int.Cl. H01M 4/13 (2010.01) H01M 4/133 (2010.01) H01M 4/587 (2010.01) H01M 10/052 (2010.01) G01R 31/382 (2019.01) G01R 31/385 (2019.01) G01R 31/389 (2019.01) H01M 10/48 (2006.01)**
[25] EN
[54] **COMPOSITION FOR FORMING ELECTRODE ACTIVE MATERIAL LAYER FOR LITHIUM ION SECONDARY BATTERIES**
[54]
[72] KONDOU, FUMIYA, JP
[72] FUJII, MASANORI, JP
[72] KINOSHITA, HAJIME, JP
[71] OSAKA GAS CO., LTD., JP
[71] KRI, INC., JP
[85] 2024-05-22
[86] 2022-11-21 (PCT/JP2022/043005)
[87] (WO2023/090443)
[30] JP (2021-189360) 2021-11-22
[30] JP (2022-044152) 2022-03-18
[30] JP (2022-044154) 2022-03-18
[30] JP (2022-044156) 2022-03-18

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[13] A1
[51] **Int.Cl. B60L 5/24 (2006.01) F15B 11/06 (2006.01) F15B 15/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR POSITIONING A CONDUCTIVE ROD POWERING A WORK MACHINE**
[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT D'UNE TIGE CONDUCTRICE ALIMENTANT UNE MACHINE DE TRAVAIL**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080287)
[87] (WO2023/097200)
[30] US (17/535,162) 2021-11-24

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[13] A1
[51] **Int.Cl. H01R 25/14 (2006.01) H01R 24/38 (2011.01) B60L 5/42 (2006.01)**
[25] EN
[54] **TERMINAL ASSEMBLY FOR CONDUCTOR ROD HAVING MULTIPLE DEGREES OF FREEDOM**
[54] **ENSEMBLE TERMINAL POUR TIGE CONDUCTRICE AYANT DE MULTIPLES DEGRES DE LIBERTE**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR INC., US
[85] 2024-05-22
[86] 2022-11-15 (PCT/US2022/049877)
[87] (WO2023/096770)
[30] US (17/535,235) 2021-11-24

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[13] A1
[51] **Int.Cl. F16B 21/09 (2006.01) B67D 7/36 (2010.01) F16B 21/18 (2006.01) F16L 37/34 (2006.01)**
[25] EN
[54] **ENERGY TRANSMITTING STUD-AND-SOCKET RELEASABLE FASTENING SYSTEM**
[54] **SYSTEME DE FIXATION LIBERABLE PAR GOUJON ET DOUILLE DE TRANSMISSION D'ENERGIE**
[72] MANLY, JOSEPH A., US
[71] MANLY, JOSEPH A., US
[85] 2024-05-22
[86] 2022-11-23 (PCT/US2022/080384)
[87] (WO2023/097247)
[30] US (63/282,499) 2021-11-23

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[13] A1
[51] **Int.Cl. H04L 67/025 (2022.01)**
[25] EN
[54] **DETERMINING APPLICATION DATA AND/OR ANALYTICS**
[54] **DETERMINATION DE DONNEES ET/OU D'ANALYSES D'APPLICATIONS**
[72] PATEROMICHELAKIS, EMMANOUIL, DE
[72] KARAMPATSIS, DIMITRIOS, GB
[71] LENOVO (SINGAPORE) PTE. LTD., SG
[85] 2024-05-22
[86] 2022-01-27 (PCT/EP2022/051966)
[87] (WO2023/104346)
[30] GR (20210100868) 2021-12-10

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[13] A1
[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/4545 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **COMPOUND CONTAINING CYCLOALKYL OR HALOALKYL**
[54] **COMPOSE CONTENANT CYCLOALKYLE OU HALOALKYLE**
[72] LIU, FEI, CN
[72] PENG, YAN, CN
[72] XU, HONGJIANG, CN
[72] FENG, TAOTAO, CN
[72] ZHANG, XIQUAN, CN
[72] REN, CHENG, CN
[72] SHI, WEI, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2024-05-22
[86] 2022-11-30 (PCT/CN2022/135481)
[87] (WO2023/098730)
[30] CN (202111441498.1) 2021-11-30
[30] CN (202111638379.5) 2021-12-29
[30] CN (202210564004.7) 2022-05-23
[30] CN (202210889925.0) 2022-07-27
[30] CN (202211492694.6) 2022-11-25

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[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01)**
[25] EN
[54] **LIPOLYTIC PEPTIDES**
[54] **PEPTIDES LIPOLYTIQUES**
[72] MARTINEZ SELVA, DAVID, ES
[72] SIMO CANONGE, RAFAEL, ES
[71] FUNDACIO HOSPITAL UNIVERSITARI VALL D'HEBRON - INSTITUT DE RECERCA, ES
[85] 2024-05-22
[86] 2022-12-02 (PCT/EP2022/084303)
[87] (WO2023/099775)
[30] EP (21383114.2) 2021-12-03

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[13] A1
[51] **Int.Cl. C01B 32/372 (2017.01) C01B 32/30 (2017.01) C01B 32/354 (2017.01) C22B 3/24 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED ACTIVATED CARBON PRODUCTS, PROCESSES FOR PRODUCING FUNCTIONALIZED ACTIVATED CARBON PRODUCTS, AND USES OF FUNCTIONALIZED ACTIVATED CARBON PRODUCTS**
[54] **PRODUITS DE CHARBON ACTIF FONCTIONNALISES, PROCEDES DE PRODUCTION DE PRODUITS DE CHARBON ACTIF FONCTIONNALISES ET UTILISATIONS DE PRODUITS DE CHARBON ACTIF FONCTIONNALISES**
[72] PEDE, PAUL RAIVO, CA
[72] VREUGDENHIL, ANDREW JAMES, CA
[72] STRONG, OLIVER KENNETH LUKE, CA
[72] SCOTLAND, KEVIN MALCOLM, CA
[72] BEGIN, SARAH JULIE, CA
[71] CARBONIX INC., CA
[85] 2024-05-22
[86] 2022-12-12 (PCT/CA2022/051808)
[87] (WO2023/108264)
[30] US (63/289,706) 2021-12-15

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[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) G06T 3/40 (2024.01) H04N 9/67 (2023.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING THE PERCENT FILL OF BLOOD SAMPLING CAPILLARY**
[54] **SYSTEME ET PROCEDE DE MESURE DU POURCENTAGE DE REMPLISSAGE DE CAPILLAIRE D'ECHANTILLONNAGE DE SANG**
[72] CAFFERTY, MICHAEL, US
[71] NOVA BIOMEDICAL CORPORATION, US
[85] 2024-05-22
[86] 2021-12-23 (PCT/US2021/065031)
[87] (WO2023/121668)
[30] US (17/558,912) 2021-12-22

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[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 47/22 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **POLYSARCOSINE-VITAMIN E DERIVATIVES**
[54] **DERIVES DE POLYSARCOSINE-VITAMINE E**
[72] MORELLO BOLUMAR, DANIEL, ES
[72] MIRAVET MARTI, RAFAEL, ES
[72] ALONSO DE CASTRO, SILVIA, ES
[72] VICENT DOCON, MARIA JESUS, ES
[72] NEBOT CARDA, VICENT JOSEP, ES
[71] POLYPEPTIDE THERAPEUTIC SOLUTIONS, S.L., ES
[85] 2024-05-22
[86] 2022-12-16 (PCT/EP2022/086403)
[87] (WO2023/111290)
[30] EP (21383149.8) 2021-12-17

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/137 (2006.01) A61M 11/02 (2006.01) A61M 15/08 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NEW PHARMACEUTICAL DEVICE FOR USE IN INTRANASAL ADMINISTRATION**
[54] **NOUVEAU DISPOSITIF PHARMACEUTIQUE DESTINE A ETRE UTILISE EN ADMINISTRATION INTRANASALE**
[72] SAVMARKER, JONAS, SE
[72] RONN, ROBERT, SE
[71] OREXO AB, SE
[85] 2024-05-22
[86] 2022-11-25 (PCT/GB2022/052983)
[87] (WO2023/094816)
[30] GB (2117016.2) 2021-11-25

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/137 (2006.01) A61M 15/08 (2006.01) A61P 1/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING ADRENALINE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE L'ADRENALINE**
[72] SAVMARKER, JONAS, SE
[72] RONN, ROBERT, SE
[71] OREXO AB, SE
[85] 2024-05-22
[86] 2022-11-25 (PCT/GB2022/052996)
[87] (WO2023/094826)
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[30] GB (2117016.2) 2021-11-25

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[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01) C07D 471/04 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01) C07D 498/10 (2006.01)**
[25] EN
[54] **COMPOUND AS FAK INHIBITOR AND USE THEREOF**
[54] **COMPOSE UTILISE COMME INHIBITEUR DE FAK ET SON UTILISATION**
[72] XIE, YULI, CN
[72] LIU, WENZHONG, CN
[72] QIAN, LIHUI, CN
[71] WIGEN BIOMEDICINE TECHNOLOGY (SHANGHAI) CO., LTD., CN
[85] 2024-05-22
[86] 2022-12-14 (PCT/CN2022/138955)
[87] (WO2023/116527)
[30] CN (202111574916.4) 2021-12-21
[30] CN (202210377379.2) 2022-04-11

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[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01)**
[25] EN
[54] **DETERMINING APPROPRIATE SEQUENCES OF ACTIONS TO TAKE UPON OPERATING STATES OF INDUSTRIAL PLANTS**
[54] **DETERMINATION DE SEQUENCES D'ACTIONS APPROPRIEES EN FONCTION DE L'ETAT DE FONCTIONNEMENT D'INSTALLATIONS INDUSTRIELLES**
[72] KLOEPPER, BENJAMIN, DE
[72] SCHMIDT, BENEDIKT, DE
[72] BORRISON, REUBEN, DE
[71] ABB SCHWEIZ AG, CH
[85] 2024-05-22
[86] 2022-10-28 (PCT/EP2022/080269)
[87] (WO2023/094112)
[30] EP (21209772.9) 2021-11-23

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[13] A1
[51] **Int.Cl. B25J 9/06 (2006.01) B25J 19/02 (2006.01) B63B 3/00 (2006.01) B63G 7/00 (2006.01) B63G 8/00 (2006.01) G01N 27/00 (2006.01) G01R 29/08 (2006.01) G01R 33/022 (2006.01) G01V 3/15 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF MEASURING ELECTRIC AND/OR MAGNETIC FIELD OF AN OBJECT**
[54] **SYSTEME ET PROCEDE DE MESURE DE CHAMP ELECTRIQUE ET/OU MAGNETIQUE D'UN OBJET**
[72] MATTSSON, JOHAN, SE
[72] REKDAL, THORBJORN, NO
[72] CRANTZ, TROND E. FIGENSCHOU, NO
[71] ARGEO ROBOTICS AS, NO
[85] 2024-05-22
[86] 2022-12-09 (PCT/NO2022/050304)
[87] (WO2023/106933)
[30] NO (20211488) 2021-12-10

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[13] A1
[51] **Int.Cl. C07D 405/14 (2006.01)**
[25] EN
[54] **NOVEL HETEROCYCLIC-SUBSTITUTED PYRIMIDINE DERIVATIVE EXHIBITING CANCER CELL GROWTH INHIBITORY EFFECT, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME**
[54] **NOUVEAU DERIVE DE PYRIMIDINE A SUBSTITUTION HETEROCYCLIQUE PRESENTANT UN EFFET INHIBITEUR DE LA CROISSANCE DES CELLULES CANCEREUSES, ET COMPOSITION PHARMACEUTIQUE LE CONTENANT**
[72] JEON, HYE MIN, KR
[72] BAEK, MIN SEO, KR
[72] WOO, SU JIN, KR
[72] SHIN, WOON SEONG, KR
[72] HA, TAE HWAN, KR
[72] LEE, SUN HO, KR
[72] KIM, SUNG EUN, KR
[72] KIM, MIN JUNG, KR
[71] ONCOBIX CO., LTD., KR
[85] 2024-05-22
[86] 2022-12-09 (PCT/KR2022/020021)
[87] (WO2023/106881)
[30] KR (10-2021-0175542) 2021-12-09
[30] KR (10-2022-0170783) 2022-12-08

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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING OR PREVENTING T CELL-RELATED DISORDERS**
[54] **COMPOSITION PHARMACEUTIQUE DE TRAITEMENT OU DE PREVENTION DE TROUBLES LIES AUX LYMPHOCYTES T**
[72] MIKAMI, NORIHISA, JP
[72] SAKAGUCHI, SHIMON, JP
[71] REGCELL CO., LTD., JP
[71] OSAKA UNIVERSITY, JP
[85] 2024-05-22
[86] 2022-11-22 (PCT/JP2022/043221)
[87] (WO2023/095802)
[30] JP (2021-190125) 2021-11-24

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[51] **Int.Cl. G06N 10/40 (2022.01)**
[25] EN
[54] **XX COUPLER FOR PERSISTENT CURRENT QUBITS**
[54] **COUPLEUR XX POUR BITS QUANTIQUES DE COURANT PERSISTANT**
[72] EPSTEIN, RYAN J, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2024-05-22
[86] 2023-01-10 (PCT/US2023/010481)
[87] (WO2023/146750)
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[51] **Int.Cl. A45D 34/04 (2006.01) A46B 3/18 (2006.01) A46B 9/02 (2006.01)**
[25] EN
[54] **PRODUCT APPLICATION WAND**
[54] **TIGE D'APPLICATION DE PRODUIT**
[72] BOURGUIGNAT, DAVID, US
[72] LECHANOINE, MARC EMILE, US
[71] ELC MANAGEMENT LLC, US
[85] 2024-05-22
[86] 2022-11-21 (PCT/US2022/050642)
[87] (WO2023/096877)
[30] US (17/534,374) 2021-11-23

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR ASSISTANT CELL CONFIGURATION IN WIRELESS NETWORKS**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE CONFIGURATION DE CELLULE AUXILIAIRE DANS DES RESEAUX SANS FIL**
[72] NIU, LI, CN
[72] GAO, YUAN, CN
[72] SHA, XIUBIN, CN
[71] ZTE CORPORATION, CN
[85] 2024-05-22
[86] 2022-05-10 (PCT/CN2022/092052)
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[13] A1
[51] **Int.Cl. C12Q 1/6804 (2018.01)**
[25] EN
[54] **RNA AND DNA ANALYSIS USING ENGINEERED SURFACES**
[54] **ANALYSE D'ARN ET D'ADN A L'AIDE DE SURFACES MODIFIEES**
[72] STENGEL, GUDRUN, US
[72] YU, HUA, US
[72] PRICE, ANDREW, US
[72] SANTOS, JEROME, US
[72] HWANG-FU, YU-HSIEN, US
[72] PURSE, BYRON, US
[71] ALIDA BIOSCIENCES, INC., US
[85] 2024-05-22
[86] 2022-11-23 (PCT/US2022/080452)
[87] (WO2023/097295)
[30] US (63/282,808) 2021-11-24
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[13] A1
[51] **Int.Cl. B60L 5/42 (2006.01) B60L 50/53 (2019.01) F16C 11/10 (2006.01)**
[25] EN
[54] **CONNECTOR ASSEMBLY FOR CONDUCTOR ROD HAVING MULTIPLE DEGREES OF FREEDOM**
[54] **ENSEMBLE CONNECTEUR POUR TIGE CONDUCTRICE AYANT DE MULTIPLES DEGRES DE LIBERTE**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080293)
[87] (WO2023/097205)
[30] US (17/535,301) 2021-11-24

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[51] **Int.Cl. G06Q 50/04 (2012.01) G06Q 10/06 (2023.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **BATTERY MANUFACTURING METHOD AND BATTERY MANUFACTURING SYSTEM**
[54] **PROCEDE DE FABRICATION DE BATTERIE ET SYSTEME DE FABRICATION DE BATTERIE**
[72] JO, EUN JI, KR
[72] KIM, MIN SU, KR
[72] PARK, WI DAE, KR
[72] PARK, JONG SEOK, KR
[72] SEO, DONG MIN, KR
[72] KIM, SEOL HEE, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-22
[86] 2023-09-06 (PCT/KR2023/013366)
[87] (WO2024/090776)
[30] KR (10-2022-0139553) 2022-10-26
[30] KR (10-2023-0112586) 2023-08-28

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[13] A1
[51] **Int.Cl. G01V 8/02 (2006.01) G01N 23/223 (2006.01)**
[25] EN
[54] **COMPOSITIONAL MULTISPECTRAL AND HYPERSPECTRAL IMAGING SYSTEMS FOR MINING SHOVELS AND ASSOCIATED METHODS**
[54] **SYSTEMES D'IMAGERIE MULTISPECTRALE ET HYPERSPECTRALE COMPOSITIONNELLE POUR PELLES EXCAVATRICES DE MINE ET PROCEDES ASSOCIES**
[72] THOMSSON, DANIEL, CA
[72] HEAST, MAARTEN, CA
[71] MINESENSE TECHNOLOGIES LTD., CA
[85] 2024-05-22
[86] 2022-11-22 (PCT/CA2022/051717)
[87] (WO2023/087118)
[30] US (63/282,087) 2021-11-22

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[13] A1
[51] **Int.Cl. C02F 3/28 (2006.01) D21C 3/00 (2006.01) D21C 3/22 (2006.01) D21C 3/26 (2006.01)**
[25] EN
[54] **PROCESS FOR INCREASING DIGESTION EFFICIENCY OF LIGNOCELLULOSIC MATERIAL IN A TREATMENT VESSEL**
[54] **PROCEDE POUR AUGMENTER L'EFFICACITE DE DIGESTION DE MATIERE LIGNOCELLULOSIQUE DANS UN RECIPIENT DE TRAITEMENT**
[72] SCHNELLE, SCOTT THOMAS, US
[72] NICHOLSON, DANIEL JOSEPH, US
[72] OLIVEIRA PERISSOTTO, DANYELLA, US
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080320)
[87] (WO2023/097216)
[30] US (63/264,450) 2021-11-23

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[51] **Int.Cl. G01R 31/385 (2019.01) G06Q 50/10 (2012.01) G01R 31/392 (2019.01) G01R 31/396 (2019.01) G05B 19/05 (2006.01) H01M 10/04 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM AND OPERATING METHOD THEREOF**
[54] **SYSTEME DE SURVEILLANCE ET SON PROCEDE DE FONCTIONNEMENT**
[72] SIM, MIN KYU, KR
[72] KIM, JUNE HEE, KR
[72] PARK, JONG SEOK, KR
[72] HAN, KI DEOK, KR
[72] PARK, SU WAN, KR
[72] JEON, GI YEONG, KR
[72] LEE, JAE HWAN, KR
[71] LG ENERGY SOLUTION, LTD., KR
[85] 2024-05-22
[86] 2023-09-06 (PCT/KR2023/013362)
[87] (WO2024/085433)
[30] KR (10-2022-0135173) 2022-10-19

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[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01) A01D 75/20 (2006.01) A01M 7/00 (2006.01) A01M 9/00 (2006.01) A01M 31/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL SYSTEM FOR PROTECTING AN ANIMAL SPECIES**
[54] **SYSTEME AGRICOLE POUR LA PROTECTION D'UNE ESPECE ANIMALE**
[72] GEBLER, SEBASTIAN THOMAS, DE
[72] WELTJE, LENNART, DE
[72] DENYS, JEFF, CA
[72] BRAUN, JOERG, DE
[71] BASF SE, DE
[85] 2024-05-22
[86] 2022-11-23 (PCT/EP2022/083041)
[87] (WO2023/094484)
[30] EP (21210037.4) 2021-11-23

[21] **3,238,880**
[13] A1
[51] **Int.Cl. E03D 1/35 (2006.01)**
[25] EN
[54] **OMNI CONFIGURED FLAPPER SYSTEMS FOR VARIOUS FLUSH VALVE SIZES AND METHODS OF RETROFIT**
[54] **SYSTEMES DE CLAPET A CONFIGURATION OMNIDIRECTIONNELLE POUR DIVERSES TAILLES DE ROBINET DE CHASSE ET PROCEDES DE RATTRAPAGE**
[72] LE, TUAN, US
[72] HAN, JOSEPH, US
[72] WONG, LELAND, US
[72] MCAULEY, DANIEL, US
[72] NGUYEN, JACK, US
[72] MCFARLAND, DANIEL, US
[72] ARKALGUD, KRISHNA, US
[72] TON, BEN, US
[72] LOHD, DAN, US
[72] ROBBINS, MIKE, US
[72] MARTIN, WILLIAM, US
[71] FLUIDMASTER, INC., US
[85] 2024-05-22
[86] 2022-11-16 (PCT/US2022/050103)
[87] (WO2023/091484)
[30] US (63/282,104) 2021-11-22

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[13] A1
[51] **Int.Cl. C07C 245/08 (2006.01) C09B 29/12 (2006.01) C09B 31/043 (2006.01)**
[25] EN
[54] **SUBSTITUTED DIAZENYLANILINES AS FLUORESCENCE QUENCHER AND USE THEREOF**
[54] **DIAZENYLANILINES SUBSTITUEES UTILISEES COMME EXTINCTEUR DE FLUORESCENCE ET LEUR UTILISATION**
[72] GOEL, ATUL, IN
[72] SINGH RAWAT, KUNDAN, IN
[72] PANDEY, PRIYANKA, IN
[72] ARORA, ASHISH, IN
[72] KUMAR, NITI, IN
[72] REDDY NANDARAPU, DAMODARA, IN
[71] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGN. OF SOC. ACT (ACT XXI OF 1860), IN
[85] 2024-05-22
[86] 2022-11-23 (PCT/IN2022/051025)
[87] (WO2023/095166)
[30] IN (202111054081) 2021-11-23

[21] **3,238,883**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C40B 40/08 (2006.01)**
[25] EN
[54] **LIBRARIES OF NUCLEIC ACIDS AND METHODS FOR OPTIMIZATION OF MRNA**
[54] **BANQUES D'ACIDES NUCLEIQUES ET PROCEDES D'OPTIMISATION DE L'ARNM**
[72] MOLLER, THORLEIF, DK
[71] QUERDENKER APS, DK
[85] 2024-05-22
[86] 2022-11-24 (PCT/EP2022/083213)
[87] (WO2023/094566)
[30] DK (PA202101118) 2021-11-24

[21] **3,238,888**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 31/167 (2006.01) A61P 23/02 (2006.01)**
[25] EN
[54] **GASTRO-RETENTIVE ORAL DOSAGE UNIT CONTAINING A LOCAL ANAESTHETIC**
[54] **UNITE POSOLOGIQUE ORALE A RETENTION GASTRIQUE CONTENANT UN ANESTHESIQUE LOCAL**
[72] VAN DEN HEUVEL, DENNIE, NL
[72] PEETERS, BERNARDUS WIJNAND MATHIJS MARIE, NL
[71] OREXA B.V., NL
[85] 2024-05-22
[86] 2022-10-26 (PCT/EP2022/079975)
[87] (WO2023/094100)
[30] EP (21210588.6) 2021-11-25

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[13] A1
[51] **Int.Cl. B29C 64/245 (2017.01) B33Y 50/02 (2015.01) B29C 64/118 (2017.01) B29C 64/232 (2017.01) B29C 64/236 (2017.01) B29C 64/393 (2017.01)**
[25] EN
[54] **PRINTING APPARATUS AND ADDITIVE MANUFACTURING METHOD COMPRISING AUTOMATIC POSITION CALIBRATION**
[54] **APPAREIL D'IMPRESSION ET PROCEDE DE FABRICATION ADDITIVE COMPRENANT UN ETALONNAGE AUTOMATIQUE DE POSITION**
[72] DACHTLER, MARKUS, DE
[72] HUBER, GERALD, DE
[72] RICHTER, ALEXANDER, DE
[72] HUBER, BENJAMIN, DE
[71] DIHESYS DIGITAL HEALTH SYSTEMS GMBH, DE
[85] 2024-05-22
[86] 2022-11-24 (PCT/EP2022/083212)
[87] (WO2023/094565)
[30] DE (20 2021 003 596.6) 2021-11-24

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[13] A1
[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/64 (2017.01) A61K 38/00 (2006.01) A61K 38/27 (2006.01) A61K 47/10 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **HIGH-CONCENTRATION ADMINISTRATION FORMULATION OF HGH FUSION PROTEIN**
[54] **FORMULATION D'ADMINISTRATION A HAUTE CONCENTRATION DE PROTEINE DE FUSION HGH**
[72] PARK, CHANWOONG, KR
[72] KIM, KI-YONG, KR
[71] GENEXINE, INC., KR
[71] HANDOK INC., KR
[85] 2024-05-22
[86] 2022-10-19 (PCT/KR2022/095143)
[87] (WO2023/096475)
[30] KR (10-2021-0165734) 2021-11-26

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2023.01)**
[25] EN
[54] **ENERGY OPTIMIZATION PLANT AND OPERATING METHOD THEREOF**
[54] **INSTALLATION D'OPTIMISATION D'ENERGIE ET SON PROCEDE DE FONCTIONNEMENT**
[72] FURGIUELE, IPPOLITO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2024-05-22
[86] 2022-11-15 (PCT/EP2022/025512)
[87] (WO2023/094021)
[30] IT (102021000029597) 2021-11-23

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[13] A1
[51] **Int.Cl. B09B 3/40 (2022.01) B09B 3/70 (2022.01) B09B 3/80 (2022.01) C22B 3/04 (2006.01) C22B 3/26 (2006.01)**
[25] EN
[54] **A PROCESS FOR RECOVERING A METALLIC FRACTION FROM ELECTRONIC WASTE AND PRODUCING VALUE-ADDED PRODUCTS**
[54] **PROCEDE DE RECUPERATION DE FRACTION METALLIQUE ISSUE DE DECHETS ELECTRONIQUES ET DE FABRICATION DE PRODUITS A VALEUR AJOUTEE**
[72] KHALIL, MOHAMED, CA
[72] CHAOUKI, JAMAL, CA
[71] PYROCYCLE INC., CA
[85] 2024-05-22
[86] 2022-11-22 (PCT/CA2022/051711)
[87] (WO2023/087114)
[30] US (63/264,373) 2021-11-22

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[13] A1
[51] **Int.Cl. F01D 17/16 (2006.01) F01D 17/20 (2006.01) F04D 29/56 (2006.01)**
[25] FR
[54] **CONTROL DEVICE FOR CONTROLLING AN AIRFLOW GUIDING SYSTEM, IN PARTICULAR IN AN AIRCRAFT TURBINE ENGINE**
[54] **DISPOSITIF DE COMMANDE D'UN SYSTEME DE GUIDAGE DU FLUX D'AIR, NOTAMMENT DANS UNE TURBOMACHINE D'AERONEF**
[72] JAVOY, THIBAUT MAXIME, FR
[72] BAUCHEFF, CHRISTOPHE BORIS, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2024-05-22
[86] 2022-12-02 (PCT/FR2022/052231)
[87] (WO2023/105143)
[30] FR (FR2113090) 2021-12-07

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[13] A1
[51] **Int.Cl. H02S 20/10 (2014.01)**
[25] FR
[54] **THREE-DIMENSIONAL PHOTOVOLTAIC MODULE**
[54] **MODULE PHOTOVOLTAIQUE TRIDIMENSIONNEL**
[72] GAUTHIER, SYLVAIN, FR
[71] GAUTHIER, SYLVAIN, FR
[85] 2024-05-22
[86] 2022-12-27 (PCT/FR2022/052508)
[87] (WO2023/126611)
[30] FR (21/14686) 2021-12-30

[21] **3,238,903**
[13] A1
[51] **Int.Cl. B60L 5/24 (2006.01) B60L 50/53 (2019.01)**
[25] EN
[54] **MULTI-TIERED INTERFACE BETWEEN CONDUCTOR ROD AND WORK MACHINE**
[54] **INTERFACE A MULTIPLES NIVEAUX ENTRE UNE TIGE CONDUCTRICE ET UNE MACHINE DE TRAVAIL**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR INC., US
[85] 2024-05-22
[86] 2022-11-15 (PCT/US2022/049878)
[87] (WO2023/096771)
[30] US (17/535,166) 2021-11-24

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[13] A1
[51] **Int.Cl. H04B 7/0417 (2017.01) H04B 7/0456 (2017.01)**
[25] EN
[54] **METHODS AND NODES FOR CSI REPORTING USING TRS**
[54] **PROCEDES ET NOEUDS POUR RAPPORTER DES CSI A L'AIDE DE TRS**
[72] FRENNE, MATTIAS, SE
[72] ZHANG, XINLIN, SE
[72] ATHLEY, FREDRIK, SE
[72] GAO, SHIWEI, CA
[72] MURUGANATHAN, SIVA, CA
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2024-05-22
[86] 2022-11-22 (PCT/IB2022/061282)
[87] (WO2023/089593)
[30] US (63/281,830) 2021-11-22

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[13] A1
[51] **Int.Cl. H04L 9/40 (2022.01) H04L 67/02 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TELEMETRY DATA BASED EVENT OCCURRENCE ANALYSIS WITH ADAPTIVE RULE FILTER**
[54] **SYSTEME ET PROCEDE D'ANALYSE D'OCCURRENCE D'EVENEMENT BASEE SUR DES DONNEES DE TELEMESURE AVEC FILTRE DE REGLE ADAPTATIF**
[72] KUMAR, SANJAY, IN
[72] PAUL, MANOJ, US
[71] VIRSEC SYSTEMS, INC., US
[85] 2024-05-22
[86] 2022-12-02 (PCT/US2022/080826)
[87] (WO2023/102531)
[30] IN (202141055853) 2021-12-02
[30] US (63/267,069) 2022-01-24

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[13] A1
[51] **Int.Cl. A01G 24/00 (2018.01) A01G 24/40 (2018.01)**
[25] EN
[54] **PLANT GROWTH MEDIA**
[54] **MILIEU DE CULTURE DE PLANTE**
[72] DIEP, PATRICK, CA
[72] SHARIF, ADNAN, CA
[72] LIU, JINMING, CA
[71] LYRATA INC., CA
[85] 2024-05-22
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[54] **RADIAL AND AXIAL INTERFACE BETWEEN CONDUCTOR ROD AND WORK MACHINE**
[54] **INTERFACE RADIALE ET AXIALE ENTRE UNE TIGE CONDUCTRICE ET UNE MACHINE DE TRAVAIL**
[72] STRASHNY, IGOR, US
[71] CATERPILLAR INC., US
[85] 2024-05-22
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[25] EN
[54] **A ROSIN POLYMER TO BE USED AS INERT COMPONENT IN A COATING, IN PARTICULAR A RADIATION CURING COATING SUCH AS A RADIATION CURING PRINTING INK**
[54] **POLYMERE DE COLOPHANE DESTINE A ETRE UTILISE COMME CONSTITUANT INERTE D'UN REVETEMENT, EN PARTICULIER D'UN REVETEMENT DURCISSABLE PAR EXPOSITION A UN RAYONNEMENT TEL QU'UNE ENCRE D'IMPRESSION DURCISSABLE PAR EXPOSITION A UN RAYONNEMENT**
[72] BACK, JUSTUS, DE
[72] TAMBOLI, HEMANT, IN
[71] HUBERGROUP DEUTSCHLAND GMBH, DE
[85] 2024-05-22
[86] 2022-12-13 (PCT/EP2022/085703)
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[54] **POLYMER BLEND CRADLE FOR CABLE-STAYED BRIDGE**
[54] **BERCEAU EN MELANGE POLYMERE POUR PONT A HAUBANS**
[72] SORKIN, FELIX, US
[71] SORKIN, FELIX, US
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[54] **FOLDABLE CRATE**
[54] **CAISSE PLIABLE**
[72] EVANS, RICHARD, US
[72] MUALEM, DIKLA, IL
[71] KETER HOME AND GARDEN PRODUCTS LTD., IL
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[86] 2023-01-09 (PCT/IL2023/050027)
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[51] **Int.Cl. F04B 39/10 (2006.01) F04B 5/02 (2006.01) F04B 53/14 (2006.01)**
[25] EN
[54] **RECIPROCATING COMPRESSOR VALVE SYSTEM WITH EMBEDDED SENSOR**
[54] **SYSTEME DE SOUPAPE DE COMPRESSEUR ALTERNATIF, A CAPTEUR INTEGRE**
[72] CAPPELLI, FEDERICO, IT
[72] PUCCINELLI, FEDERICO, IT
[72] GORI, GUIDO, IT
[72] MALECI, RICCARDO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
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[25] EN
[54] **SENSOR AND METHOD FOR EXAMINING VALUABLE DOCUMENTS, SENSOR SYSTEM AND VALUABLE DOCUMENT PROCESSING DEVICE**
[54] **CAPTEUR ET PROCEDE DE VERIFICATION DE DOCUMENTS DE VALEUR, SYSTEME DE CAPTEUR ET DISPOSITIF DE TRAITEMENT DE DOCUMENTS DE VALEUR**
[72] FRANKENBERGER, JORG, DE
[72] SACQUARD, DAVID, DE
[72] THIERAUF, KLAUS, DE
[71] GIESECKE+DEVRIENT CURRENCY TECHNOLOGY GMBH, DE
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[54] **METHOD AND APPARATUS FOR PRODUCING AMMONIA**
[54] **PROCEDE ET APPAREIL DE PRODUCTION D'AMMONIAC**
[72] SCHWARZHUBER, JOSEF, DE
[72] HEINZEL, ALBRECHT, DE
[72] REINKE, MICHAEL, DE
[71] LINDE GMBH, DE
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[25] EN
[54] **METHOD FOR SURFACE CONTRAST LASER MARKING OF ANODISED ALUMINIUM OR ALUMINIUM ALLOY PARTS**
[54] **PROCEDE DE MARQUAGE LASER CONTRASTE DE SURFACE DE PIECES EN ALUMINIUM OU EN ALLIAGE D'ALUMINIUM ANODISEES**
[72] EPALLE, PATRICK, FR
[72] DREVET, JEAN-ARTHUR, FR
[72] MAKHLOUF, NORDINE, FR
[72] MOIROUD, CYNTHIA, FR
[71] SAFRAN AEROSYSTEMS, FR
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[25] EN
[54] **INSULATING CONTAINER FOR TAKEAWAY PIZZA**
[54] **RECIPIENT ISOLANT POUR PIZZA A EMPORTER**
[72] VERRANDO, MIRCO, IT
[71] VERRANDO, MIRCO, IT
[85] 2024-05-22
[86] 2022-11-16 (PCT/EP2022/082143)
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[51] **Int.Cl. A23L 2/68 (2006.01) C12J 1/04 (2006.01)**
[25] EN
[54] **PROCESSES AND COMPOSITIONS FOR ENSILING HYDROPONICALLY GROWN CELLULOSIC MATERIALS**
[54] **PROCESSUS ET COMPOSITIONS POUR L'ENSILAGE DE MATIERES CELLULOSIQUES MISES EN CROISSANCE DE MANIERE HYDROPONIQUE**
[72] JENKINS, SHAWN, US
[71] HYDROGREEN, INC., CA
[85] 2024-05-22
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[25] EN
[54] **BRAKE CONTROL SYSTEM FOR BATTERY-POWERED MACHINE**
[54] **SYSTEME DE COMMANDE DE FREINAGE POUR MACHINE ALIMENTEE PAR BATTERIE**
[72] SCHNEIDER, KARL P., US
[72] LANE, CAMERON T., US
[71] CATERPILLAR GLOBAL MINING EQUIPMENT LLC, US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/080297)
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[54] **ALPHA-AMYLASE VARIANTS**
[54] **VARIANTS D'ALPHA-AMYLASE**
[72] TAN, XUQIU, US
[72] ANAND, PRIYA, DE
[72] QURESHI, ASFIA, US
[71] BASF SE, DE
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[86] 2022-12-12 (PCT/US2022/081386)
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[25] EN
[54] **EDIBLE CHEW AND METHODS OF USING THE SAME**
[54] **PRODUIT A MACHER COMESTIBLE ET SES PROCEDES D'UTILISATION**
[72] DASILVA, KERRI, US
[72] STOECKLE, MICHAEL J., US
[71] ARK NATURALS COMPANY, US
[85] 2024-05-22
[86] 2022-12-01 (PCT/US2022/080715)
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[25] EN
[54] **PRIMERS FOR USE WITH SOLVENT CEMENTS**
[54] **APPRETS A UTILISER AVEC DES COLLES A SOLVANT ORGANIQUE**
[72] PARHAR, AMRIT, US
[71] OATEY CO., US
[85] 2024-05-22
[86] 2021-11-22 (PCT/US2021/060275)
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[25] EN
[54] **BICOLOR GROUND COVER**
[54] **REVETEMENT DE SOL BICOLORE**
[72] CALDERON, EMMANUEL ABRAHAM ORTIZ, MX
[71] CALDERON, EMMANUEL ABRAHAM ORTIZ, MX
[85] 2024-05-22
[86] 2022-11-21 (PCT/US2022/050635)
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[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR TOPOGRAPHIC ANALYSIS OF A BIOLOGICAL SURFACE**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ANALYSE TOPOGRAPHIQUE D'UNE SURFACE BIOLOGIQUE**
[72] ARORA, MANISH, US
[72] CURTIN, PAUL, US
[72] AUSTIN, CHRISTINE, US
[71] LINUS BIOTECHNOLOGY INC., US
[85] 2024-05-22
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[25] EN
[54] **PROCESSES AND SYSTEMS FOR INCREASING DRY MATTER IN HYDROPONICALLY GROWN CELLULOSIC MATERIALS**
[54] **PROCEDES ET SYSTEMES POUR AUGMENTER LA MATIERE SECHE DANS DES MATERIAUX CELLULOSIQUES CULTIVES PAR CULTURE HYDROPONIQUE**
[72] JENKINS, SHAWN, US
[71] HYDROGREEN, INC., CA
[85] 2024-05-22
[86] 2021-11-23 (PCT/US2021/060611)
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[51] **Int.Cl. B01D 53/14 (2006.01) B01F 21/20 (2022.01) B01F 23/21 (2022.01)**
[25] EN
[54] **DEVICE AND METHOD FOR GAS INFUSION**
[54] **DISPOSITIF ET PROCEDE D'INFUSION DE GAZ**
[72] WILSON, JAMES, AU
[72] KLINGVALL, KJELL, AU
[71] HYDROGEN TECH IP PTY LIMITED AS TRUSTEE FOR HYDROGEN TECH IP TRUST, AU
[85] 2024-05-22
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[25] FR
[54] **PHARMACEUTICAL COMPOSITION COMPRISING SALBUTAMOL**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DU SALBUTAMOL**
[72] PEYRON, ISABELLE, FR
[72] ROSSI, IRENE, IT
[72] SARRAILH, SEGOLENE, FR
[71] APTAR FRANCE SAS, FR
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[51] **Int.Cl. C07C 67/08 (2006.01) C07C 69/013 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **STABILIZATION OF THERMOSET COMPOSITES AND COATING WITH A UV STABILIZING TECHNOLOGY AND TECHNIQUE FOR PRODUCING SAME**
[54] **STABILISATION DE COMPOSITES THERMODURCIS ET REVETEMENT AVEC UNE TECHNOLOGIE DE STABILISATION UV ET TECHNIQUE DE PRODUCTION DE CEUX-CI**
[72] YADAV, SANTOSH K., US
[72] RETTINGER, PAUL A., US
[71] CHROMAFLO TECHNOLOGIES, CORP., US
[85] 2024-05-22
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[51] **Int.Cl. A01C 21/00 (2006.01) A01G 31/00 (2018.01) A01G 31/02 (2006.01)**
[25] EN
[54] **PROCESSES AND COMPOSITIONS FOR INCREASING NUTRIENT DIGESTIBILITY OF MATERIALS WITH ENDOGENOUS ENZYMES OF HYDROPONICALLY GERMINATED SEEDS**
[54] **PROCEDES ET COMPOSITIONS POUR AUGMENTER LA DIGESTIBILITE DES NUTRIMENTS DE MATERIAUX AVEC DES ENZYMES ENDOGENES DE GRAINES GERMEES DE MANIERE HYDROPONIQUE**
[72] JENKINS, SHAWN, US
[71] HYDROGREEN, INC., CA
[85] 2024-05-22
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[51] **Int.Cl. A61B 17/072 (2006.01)**
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[54] **ARTICULATION MECHANISM AND SURGICAL STAPLER**
[54] **MECANISME D'OSCILLATION DE TETE ET AGRAFEUSE MEDICALE**
[72] DING, SHUICHENG, CN
[71] TOUCHSTONE INTERNATIONAL MEDICAL SCIENCE CO., LTD., CN
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[30] CN (202111396072.9) 2021-11-23
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[25] EN
[54] **ANTIBODIES AGAINST CTLA-4 AND METHODS OF USE THEREOF**
[54] **ANTICORPS CONTRE CTLA-4 ET LEURS METHODES D'UTILISATION**
[72] MARASCO, WAYNE A., US
[72] CHANG, MATTHEW, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2024-05-22
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[25] EN
[54] **PROCESSES FOR INCREASING ENZYME CONCENTRATIONS AND DRY MATTER USING REACTIVE OXYGEN SPECIES IN HYDROPONICALLY GROWN CELLULOSIC MATERIALS**
[54] **PROCEDES POUR AUGMENTER LES CONCENTRATIONS D'ENZYMES ET D'EXTRAIT SEC A L'AIDE D'ESPECE REACTIVE DE L'OXYGENE DANS DES MATERIAUX CELLULOSIQUES CULTIVES EN CULTURE HYDROPONIQUE**
[72] JENKINS, SHAWN, US
[71] HYDROGREEN, INC., CA
[85] 2024-05-22
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[25] EN
[54] **TERNARY CO-AMORPHOUS FORMS OF DRUGS, PROTEINS, AND WATER-SOLUBLE POLYMERS**
[54] **FORMES CO-AMORPHES TERNAIRES DE MEDICAMENTS, DE PROTEINES ET DE POLYMERES SOLUBLES DANS L'EAU**
[72] LOBMANN, KORBINIAN, DK
[72] LENG, DONGLEI, DK
[72] TIAN, WEI, GB
[72] BULDUK, BULUT, DK
[72] WIBORG, OLE, DK
[71] ZERION PHARMA APS, DK
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[30] EP (21210275.0) 2021-11-24

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[51] **Int.Cl. A01K 67/027 (2024.01) C07K 14/47 (2006.01) C12N 9/22 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **MUTANT MYOCILIN DISEASE MODEL AND USES THEREOF**
[54] **MODELE DE MALADIE IMPLIQUANT UNE MYOCILINE MUTANTE ET SES UTILISATIONS**
[72] PATEL, GAURANG, US
[72] HUNT, CHARLEEN, US
[72] TANG, YAJUN, US
[72] FANG, QING, US
[72] GONG, GUOCHUN, US
[72] HU, YING, US
[72] ROMANO, CARMELO, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[30] US (63/287,281) 2021-12-08

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[25] EN
[54] **SINGLE MOLECULE GENOME-WIDE MUTATION AND FRAGMENTATION PROFILES OF CELL-FREE DNA**
[54] **PROFILS DE MUTATION ET DE FRAGMENTATION DE L'ADN ACELLULAIRE A L'ECHELLE DU GENOME EN UNE SEULE MOLECULE**
[72] VELCULESCU, VICTOR E., US
[72] SCHARPF, ROBERT B., US
[72] BRUHM, DANIEL C., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2024-05-22
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[51] **Int.Cl. G16H 50/20 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6886 (2018.01) G16H 50/30 (2018.01)**
[25] EN
[54] **BREAST CANCER RISK ASSESSMENT**
[54] **EVALUATION DU RISQUE DU CANCER DU SEIN**
[72] ALLMAN, RICHARD, AU
[72] DITE, GILLIAN SUE, AU
[71] GENETYPE PTY LTD, AU
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[54] **SYSTEM AND METHOD FOR QUANTUM MICROGRID STATE ESTIMATION**
[54] **SYSTEME ET PROCEDE D'ESTIMATION D'ETAT DE MICRORESEAU QUANTIQUE**
[72] ZHANG, PENG, US
[72] FENG, FEI, US
[72] ZHOU, YIFAN, US
[72] TANG, ZEFAN, US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
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[86] 2023-01-05 (PCT/US2023/010183)
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[51] **Int.Cl. B29C 64/112 (2017.01) B29C 64/106 (2017.01) H01P 3/06 (2006.01)**
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[54] **RF AND MMWAVE CIRCUITS AND THEIR FABRICATION METHODS**
[54] **CIRCUITS RF ET MMW ET LEURS PROCEDES DE FABRICATION**
[72] YAMADA, MINORU, HK
[71] NANO-DIMENSION TECHNOLOGIES, LTD., IL
[85] 2024-05-22
[86] 2021-11-22 (PCT/US2021/060241)
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[54] **HIGH RESOLUTION WIDE SWATH SAR IMAGING**
[54] **IMAGERIE SAR A FAUCHEE LARGE ET A HAUTE RESOLUTION**
[72] THOMPSON, ALAN, FI
[72] JAMES, KENNY, CA
[71] ICEYE OY, FI
[85] 2024-05-22
[86] 2022-12-05 (PCT/EP2022/084406)
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[30] GB (2118749.7) 2021-12-22

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[25] EN
[54] **MIX ON EXIT SPRAYER**
[54] **PULVERISATEUR A MELANGE EN SORTIE**
[72] MITCHELL, GEORGE, US
[72] PUTRELLO, ANDREW C., US
[71] THE FOUNTAINHEAD GROUP INC., US
[85] 2024-05-22
[86] 2022-11-22 (PCT/US2022/050662)
[87] (WO2023/091776)
[30] US (63/281,933) 2021-11-22

[21] **3,238,952**
[13] A1
[51] **Int.Cl. A23K 10/38 (2016.01) A23K 30/20 (2016.01) C11B 1/04 (2006.01) C12F 3/10 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITIONS FROM BREWERS' SPENT GRAIN AND METHODS FOR MAKING THE SAME**
[54] **COMPOSITIONS NUTRITIONNELLES ISSUES DE DRECHES DE BRASSERIE ET LEURS PROCEDES DE FABRICATION**
[72] JANOW, DAVID, US
[72] RAY, RICHARD, US
[71] AXIOM FOODS, INC., US
[85] 2024-05-22
[86] 2022-11-21 (PCT/US2022/050583)
[87] (WO2023/096861)
[30] US (17/533,571) 2021-11-23

[21] **3,238,953**
[13] A1
[51] **Int.Cl. G06F 16/957 (2019.01) G06F 12/0891 (2016.01)**
[25] EN
[54] **STREAM LISTENING CACHE UPDATER**
[54] **DISPOSITIF DE MISE A JOUR DE CACHE D'ECOUTE DE FLUX**
[72] GUPTA, PRATEEK, US
[72] WU, SAMUEL, US
[72] WYMAN, ZACHARY, US
[72] ORDONEZ, RAMIRO, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2024-05-22
[86] 2022-11-18 (PCT/US2022/050360)
[87] (WO2023/096829)
[30] US (17/533,618) 2021-11-23
[30] US (17/533,773) 2021-11-23
[30] US (17/538,327) 2021-11-30
[30] US (17/538,769) 2021-11-30

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[13] A1
[51] **Int.Cl. B01D 3/14 (2006.01) B01D 3/42 (2006.01) B01D 53/22 (2006.01) B01D 61/00 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER INTEGRATION WITH MEMBRANE SYSTEM FOR EVAPORATOR PRE-CONCENTRATION**
[54] **INTEGRATION D'ECHANGEUR DE CHALEUR AVEC SYSTEME A MEMBRANE POUR PRE-CONCENTRATION D'EVAPORATEUR**
[72] VANZANDT, KYLE, US
[72] LUNDGREN, MARCUS, US
[72] KELLER, BRENT D., US
[71] VIA SEPARATIONS, INC., US
[85] 2024-05-22
[86] 2022-11-18 (PCT/US2022/080120)
[87] (WO2023/097166)
[30] US (63/283,767) 2021-11-29

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[13] A1
[51] **Int.Cl. C08L 101/12 (2006.01) C09D 7/61 (2018.01) C08K 3/08 (2006.01)**
[25] EN
[54] **LOW EMISSIVITY MATERIALS AND ASSOCIATE METHODS**
[54] **MATERIAUX A FAIBLE EMISSIVITE ET PROCEDES ASSOCIES**
[72] RAVINDRA, AMOGHA, CA
[72] LETTNER, TINA, CA
[72] SHEN, CHONG, CA
[71] NEVERFROST INC., CA
[85] 2024-05-22
[86] 2022-11-23 (PCT/CA2022/051724)
[87] (WO2023/092227)
[30] US (63/282,436) 2021-11-23

[21] **3,239,017**
[13] A1
[51] **Int.Cl. G06K 7/10 (2006.01) G06Q 10/0833 (2023.01)**
[25] EN
[54] **AN INTEGRATED READER SYSTEM**
[54] **SYSTEME DE LECTEUR INTEGRE**
[72] ROTH, MARK W., US
[71] AVERY DENNISON RETAIL INFORMATION SERVICES, LLC, US
[85] 2024-05-23
[86] 2022-12-16 (PCT/US2022/081829)
[87] (WO2023/115015)
[30] US (63/291,157) 2021-12-17

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[51] **Int.Cl. E05B 15/02 (2006.01)**
[25] EN
[54] **DOOR STRIKE PLATE SENSOR**
[54] **CAPTEUR DE GACHE DE PORTE**
[72] DARLING, RICHARD, US
[72] SEELMAN, GEORGE, US
[72] STALLARD, STEVEN, US
[72] CHANG, FONG, US
[71] INSTANT CARE, INC., US
[85] 2024-05-23
[86] 2022-11-23 (PCT/US2022/080391)
[87] (WO2023/097252)
[30] US (63/264,514) 2021-11-24

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **USE OF ONE OR MORE BIOMARKERS TO DETERMINE TRAUMATIC BRAIN INJURY (TBI) IN A SUBJECT HAVING RECEIVED A HEAD COMPUTERIZED TOMOGRAPHY SCAN THAT IS NEGATIVE FOR A TBI**
[54] **UTILISATION D'UN OU DE PLUSIEURS BIOMARQUEURS POUR DETERMINER UN TRAUMATISME CRANIEN (TBI) CHEZ UN SUJET AYANT ETE SOUMIS A UN BALAYAGE DE TOMODENSITOMETRIE ASSISTEE PAR ORDINATEUR DE LA TETE NE DEMONTRANT PAR DE TB**
[72] MCQUISTON, BETH, US
[72] DATWYLER, SAUL, US
[72] CHANDRAN, RAJ, US
[72] MARINO, JAIME, US
[72] ZHANG, HONGWEI, US
[71] ABBOTT LABORATORIES, US
[85] 2024-05-23
[86] 2022-11-29 (PCT/US2022/080578)
[87] (WO2023/102384)
[30] US (17/538,572) 2021-11-30
[30] US (63/284,421) 2021-11-30
[30] US (PCT/US2021/061215) 2021-11-30
[30] US (63/294,271) 2021-12-28

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[51] **Int.Cl. A61K 9/51 (2006.01) A61K 9/19 (2006.01) A61K 39/00 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **PREPARATION OF TOLERIZING NANOPARTICLES FOR THE TREATMENT OF PEANUT ALLERGY**
[54] **PREPARATION DE NANOPARTICULES DE TOLERISATION POUR LE TRAITEMENT DE L'ALLERGIE A L'ARACHIDE**
[72] PUISIS, JOHN, US
[72] BOYNE, MICHAEL, US
[72] REILLY, SAMANTHA, US
[72] WODARCYK, GRETA, US
[72] XU, QICHEN, US
[72] LIN, ZHIYI, US
[72] TOBY, TIMOTHY, US
[71] COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., US
[85] 2024-05-23
[86] 2022-11-23 (PCT/US2022/080409)
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[51] **Int.Cl. C07K 14/18 (2006.01)**
[25] EN
[54] **METHODS OF GENERATING SELF-REPLICATING RNA MOLECULES**
[54] **PROCEDES DE GENERATION DE MOLECULES D'ARN A AUTO-REPLICATION**
[72] WANG, NATHANIEL STEPHEN, US
[72] MIYAKE-STONER, SHIGEKI JOSEPH, US
[72] ALIAHMAD, PARINAZ, US
[71] REPLICATE BIOSCIENCE, INC., US
[85] 2024-05-23
[86] 2022-11-28 (PCT/US2022/080515)
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[30] US (63/283,660) 2021-11-29

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[51] **Int.Cl. A01N 63/20 (2020.01)**
[25] EN
[54] **METHYLOBACTERIUM STRAINS AND METHODS FOR ENHANCED PLANT PRODUCTION**
[54] **SOUCHES DE METHYLOBACTERIUM ET PROCEDES POUR UNE PRODUCTION AMELIOREE DE PLANTES**
[72] BREAKFIELD, NATALIE, US
[72] VOGAN, PATRICK, US
[72] BRYANT, DOUG, US
[72] KEROVUO, JANNE, US
[72] JACK, ALLISON, US
[72] HADDOX, ASHLEY, US
[71] NEWLEAF SYMBIOTICS, INC., US
[85] 2024-05-23
[86] 2022-12-01 (PCT/US2022/080735)
[87] (WO2023/102468)
[30] US (63/284,878) 2021-12-01
[30] US (63/382,626) 2022-11-07

[21] **3,239,032**
[13] A1
[51] **Int.Cl. G02B 1/14 (2015.01)**
[25] EN
[54] **ABRASION RESISTANCE FOR PATTERNED LENS**
[54] **RESISTANCE A L'ABRASION POUR VERRES A MOTIFS**
[72] BROWN, JEFFREY, US
[72] OLUND, DAVID, US
[72] VU, HANNAH, US
[72] OROZCO RODRIGUEZ, JOSE A., US
[72] ALTMANN, GRIFF, US
[71] HOYA OPTICAL LABS OF AMERICA, INC., US
[85] 2024-05-23
[86] 2022-11-23 (PCT/US2022/080445)
[87] (WO2023/097288)
[30] US (63/264,502) 2021-11-23

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[13] A1
[51] **Int.Cl. A61K 31/685 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **INDUSTRIAL PROCESS FOR THE EXTRACTION AND PURIFICATION OF PHOSPHOLIPIDS**
[54] **PROCEDE INDUSTRIEL D'EXTRACTION ET DE PURIFICATION DE PHOSPHOLIPIDES**
[72] PITTARELLO, MARA, IT
[71] FIDIA FARMACEUTICI S.P.A., IT
[85] 2024-05-23
[86] 2022-12-19 (PCT/IB2022/062486)
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[25] EN
[54] **A CONTAINER GRIPPING AID**
[54] **AIDE DE PREHENSION DE RECIPIENT**
[72] MORAN, OLLWYN AGNES, IE
[71] MORAN, OLLWYN AGNES, IE
[22] 2016-05-11
[41] 2016-11-17
[62] 3,023,759
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[25] EN
[54] **SYSTEM AND TOOLS FOR ENHANCED 3D AUDIO AUTHORING AND RENDERING**
[54] **SYSTEME ET OUTILS POUR LA CREATION ET LE RENDU DE SON MULTICANAUX AMELIORE**
[72] TSINGOS, NICOLAS R., US
[72] ROBINSON, CHARLES Q., US
[72] SCHARPF, JURGEN W., US
[71] DOLBY LABORATORIES LICENSING CORPORATION, US
[22] 2012-06-27
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[25] EN
[54] **SERUM ALBUMIN BINDING NANOBODY COMPOSITIONS AND METHODS FOR USING THE SAME**
[54] **COMPOSITIONS DE NANOCORPS LIANT L'ALBUMINE SERIQUE ET LEURS PROCEDES D'UTILISATION**
[72] SHI, YI, US
[72] SHEN, ZHUOLUN, US
[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[22] 2021-03-05
[41] 2021-09-10
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[51] **Int.Cl. A61M 37/00 (2006.01) A61L 27/58 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE WITH HOUSING AND SEPARABLE MICRONEEDLES**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN LOGEMENT ET DES MICRO-AIGUILLES SEPARABLES**
[72] MCALLISTER, DEVIN V., US
[72] PRAUSNITZ, MARK R., US
[72] HENRY, SEBASTIEN, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[22] 2016-04-18
[41] 2016-10-20
[62] 3,016,984
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[51] **Int.Cl. F25B 41/00 (2021.01) F24F 1/46 (2011.01) F25B 1/00 (2006.01) F25B 39/00 (2006.01)**
[25] EN
[54] **LOW CHARGE PACKAGED AMMONIA REFRIGERATION SYSTEM WITH EVAPORATIVE CONDENSER**
[54] **SYSTEME DE REFRIGERATION D'AMMONIAC INTEGRE A FAIBLE CHARGE AVEC CONDENSEUR EVAPORATIF**
[72] LIEBENDORFER, KURT L., US
[72] DEROSIER, GREGORY S., US
[72] HEGG, TREVOR, US
[72] FERRARI, SARAH L., US
[72] HAMILTON, DON, US
[72] HESSER, NICHOLAS, US
[72] WRIGHT, KENNETH, US
[71] EVAPCO, INC., US
[22] 2017-12-12
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[62] 3,046,495
[30] US (62/432,883) 2016-12-12
[30] US (15/839,484) 2017-12-12

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[13] A1
[25] EN
[54] **METHOD AND DEVICE FOR FEEDING BACK AND RECEIVING CHANNEL INFORMATION, AND COMPUTER STORAGE MEDIUM**
[54]
[72] ZHANG, SHUJUAN, CN
[72] LU, ZHAOHUA, CN
[72] LI, YUNGOK, CN
[72] MEI, MENG, CN
[72] GONG, YUHONG, CN
[72] JIANG, CHUANGXIN, CN
[71] ZTE CORPORATION, CN
[22] 2018-01-05
[41] 2018-08-09
[62] 3,052,753
[30] CN (201710067275.0) 2017-02-06

[21] **3,238,387**
[13] A1
[25] EN
[54] **FLEXIBLE ANTENNA FOR A WIRELESS RADIATION DOSIMETER**
[54] **ANTENNE FLEXIBLE POUR UN DOSIMETRE DE RAYONNEMENT SANS FIL**
[72] ROY, LANGIS, CA
[72] SANUSI, OLOLADE, CA
[72] GHAFFAR, FARHAN ABDUL, CA
[72] SHAMIM, ATIF, CA
[71] BEST THERATRONICS LTD., CA
[22] 2020-01-27
[41] 2020-08-05
[62] 3,069,943
[30] US (16/268,070) 2019-02-05

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[51] **Int.Cl. C07D 209/16 (2006.01) A61K 31/194 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07C 57/15 (2006.01)**
[25] EN
[54] **CRYSTALLINE 4-HYDROXY-N,N-DI-N-PROPYLTRYPTAMMONIUM (4-HO-DPT) SALTS**
[54] **SELS CRISTALLINS DE 4-HYDROXY-N, N-DI-N-PROPYLTRYPTAMMONIUM (4-HO-DPT)**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[22] 2021-05-19
[41] 2021-11-25
[62] 3,179,108
[30] US (63/027,675) 2020-05-20
[30] US (63/080,325) 2020-09-18

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[51] **Int.Cl. C07D 333/78 (2006.01) A61K 31/17 (2006.01) A61K 31/381 (2006.01) A61P 27/16 (2006.01) C07C 275/22 (2006.01) C07C 323/44 (2006.01)**
[25] EN
[54] **COMPOUNDS USEFUL AS POTASSIUM CHANNEL OPENERS**
[54] **COMPOSES UTILES EN TANT QU'AGENTS D'OUVERTURE DES CANAUX POTASSIQUES**
[72] BOS, MICHAEL, DE
[71] ACOUSIA THERAPEUTICS GMBH, DE
[22] 2018-02-27
[41] 2018-09-07
[62] 3,052,359
[30] EP (17158326.3) 2017-02-28

[21] **3,238,434**
[13] A1
[25] EN
[54] **METHOD AND SYSTEMS FOR TRANSPORTING BITUMEN IN SOLIDIFIED FORM**
[54] **METHODE ET SYSTEMES DE TRANSPORT DE BITUME SOUS FORME SOLIDIFIEE**
[72] AULD, JAMES, CA
[72] BLEILE, JOHN, CA
[72] NIKOOYEH, KASRA, CA
[72] PREFONTAINE, AMANDA, CA
[72] STANGER, DEREK, CA
[72] WHITE, JESSE, CA
[71] CANADIAN NATIONAL RAILWAY COMPANY, CA
[22] 2017-02-17
[41] 2017-04-19
[62] 3,100,295
[30] US (62/304,589) 2016-03-07
[30] US (62/323,240) 2016-04-15
[30] US (62/409,200) 2016-10-17
[30] US (62/411,888) 2016-10-24
[30] US (62/449,310) 2017-01-23

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[13] A1
[25] EN
[54] **OPERATING VISUAL USER INTERFACE CONTROLS WITH INK COMMANDS**
[54] **UTILISATION DE COMMANDES D'INTERFACE UTILISATEUR VISUELLES AVEC COMMANDES D'ENCRE**
[72] DUHON, DAVID WALKER, US
[72] SUN, YIBO, US
[72] TU, XIAO, US
[72] ZHOU, FRANCIS, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2017-03-23
[41] 2017-10-26
[62] 3,014,942
[30] US (15/084,272) 2016-03-29

[21] **3,238,554**
[13] A1
[51] **Int.Cl. G02B 6/46 (2006.01)**
[25] EN
[54] **STANDALONE ADAPTER PLATE FOR FIBER OPTIC CASSETTE**
[54]
[72] FONTAINE, MARC, CA
[71] BELDEN CANADA ULC, CA
[22] 2017-07-07
[41] 2018-01-08
[62] 2,972,850
[30] US (62/359,784) 2016-07-08

[21] **3,238,556**
[13] A1
[25] EN
[54] **DUAL DIRECTION FIBER OPTIC CASSETTE SYSTEM AND FIBER OPTIC CASSETTE WITH REMOVABLE STANDALONE ADAPTOR PLATE**
[54] **SYSTEME DE CASSETTE DE FIBRE OPTIQUE A DOUBLE DIRECTION ET CASSETTE DE FIBRE OPTIQUE DOTEE D'UNE PLAQUE D'ADAPTATEUR AUTONOME AMOVIBLE**
[72] FONTAINE, MARC, CA
[71] BELDEN CANADA ULC, CA
[22] 2017-07-07
[41] 2018-01-08
[62] 2,972,850
[30] US (62/359,784) 2016-07-08

[21] **3,238,568**
[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01)**
[25] EN
[54] **MULTIPLE-PORT SIGNAL BOOSTERS**
[54] **AMPLIFICATEURS DE SIGNAUX A MULTIPLES PORTS**
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] VAN BUREN, VERNON, US
[71] WILSON ELECTRONICS, LLC., US
[22] 2015-07-23
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[25] EN
[54] **MESH NETWORK SYSTEM AND TECHNIQUES**
[54] **SYSTEME DE RESEAU MAILLE ET TECHNIQUES**
[72] NGUYEN-DANG, THIEN-LY, CA
[71] SMARTREK TECHNOLOGIES INC., CA
[22] 2014-07-04
[41] 2015-09-18
[62] 2,856,027
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[25] EN
[54] **MULTIPURPOSE WALL OUTLET WITH WIRELESS DATA TRANSMISSION**
[54] **PRISE MURALE POLYVALENTE AVEC TRANSMISSION DE DONNEES SANS FIL**
[72] RIVERA, MANOLO F., US
[71] RIVERA, MANOLO F., US
[22] 2014-04-30
[41] 2014-11-06
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[51] **Int.Cl. B62D 7/20 (2006.01) A01C 23/00 (2006.01) B62D 7/16 (2006.01)**
[25] EN
[54] **TRAILERED ENGINE DRIVEN LAGOON PUMP FOR MIXING AND PUMPING MANURE SLURRIES**
[54] **POMPE A PURIN ENTRAINEE PAR MOTEUR POUVANT ETRE DEPLACEE POUR MELANGER ET POMPER DU LISIER**
[72] BAMBAUER, SCOTT A., US
[72] STEINKE, JACK, US
[71] BAMBAUER EQUIPMENT, US
[22] 2020-04-30
[41] 2020-11-02
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[25] EN
[54] **SYSTEMS AND METHODS FOR HEALTH EDUCATION, CERTIFICATION, AND RECORDATION**
[54] **SYSTEMES ET PROCEDES D'EDUCATION, D'ATTESTATION DE COMPETENCE ET D'ENREGISTREMENT DE SANTE**
[72] FRIST, ROBERT, JR., US
[71] HEALTHSTREAM, INC., US
[22] 2020-09-18
[41] 2021-03-25
[62] 3,151,071
[30] US (16/576,116) 2019-09-19
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[51] **Int.Cl. B03B 9/06 (2006.01) B01D 11/02 (2006.01) B29B 17/02 (2006.01) C10C 3/00 (2006.01)**
[25] EN
[54] **METHOD, PROCESS AND SYSTEM FOR RECYCLING AN ASPHALT-BASED ROOFING MATERIAL**
[54] **METHODE ET SYSTEME DE RECYCLAGE DE MATERIAU DE COUVERTURE A BASE D'ASPHALTE**
[72] CHARLES, TERRY ALAN, CA
[72] JOHNSON, GORD, CA
[72] DIEBOLD, BARRY, CA
[71] NORTHSTAR CLEAN TECHNOLOGIES INC., CA
[22] 2022-09-29
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[62] 3,177,840
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[25] EN
[54] **AN AERIAL CAMERA SYSTEM**
[54] **SYSTEME DE CAMERA AERIENNE**
[72] COPE, SIMON, AU
[72] VON BERTOUCH, MICHAEL, AU
[71] SPOOKFISH INNOVATIONS PTY LTD, AU
[22] 2015-10-08
[41] 2016-04-14
[62] 2,962,464
[30] AU (2014904018) 2014-10-08
[30] AU (2015901332) 2015-04-14

[21] **3,238,615**
[13] A1
[25] EN
[54] **INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY**
[54] **INTEGRATION DE TECHNIQUES DE RECONSTRUCTION HAUTE FREQUENCE A RETARD POST-TRAITEMENT REDUIT**
[72] KJOERLING, KRISTOFER, US
[72] VILLEMOES, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-25
[41] 2019-10-31
[62] 3,152,262
[30] US (62/662,296) 2018-04-25

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[13] A1
[25] EN
[54] **INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY**
[54] **INTEGRATION DE TECHNIQUES DE RECONSTRUCTION HAUTE FREQUENCE A RETARD POST-TRAITEMENT REDUIT**
[72] KJOERLING, KRISTOFER, US
[72] VILLEMOES, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-25
[41] 2019-10-31
[62] 3,152,262
[30] US (62/662,296) 2018-04-25

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[21] **3,238,620**
[13] A1
[51] **Int.Cl. G10L 19/02 (2013.01) G10L 19/04 (2013.01)**
[25] EN
[54] **INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY**
[54] **INTEGRATION DE TECHNIQUES DE RECONSTRUCTION HAUTE FREQUENCE A RETARD POST-TRAITEMENT REDUIT**
[72] KJOERLING, KRISTOFER, US
[72] VILLEMOES, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[71] DOLBY INTERNATIONAL AB, NL
[22] 2019-04-25
[41] 2019-10-31
[62] 3,152,262
[30] US (62/662,296) 2018-04-25

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[21] **3,238,666**
[13] A1
[25] EN
[54] **LIGHTING SYSTEM AND METHOD FOR OPERATING LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE ET METHODE D'EXPLOITATION DUDIT SYSTEME D'ECLAIRAGE**
[72] ABOU-FADEL, SIMON ANTHONY, CA
[72] WEBSTER, CRAIG, US
[71] ABOU-FADEL, SIMON ANTHONY, CA
[71] WEBSTER, CRAIG, US
[22] 2018-05-29
[41] 2018-11-30
[62] 3,006,549
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[21] **3,238,668**
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[51] **Int.Cl. H04N 7/15 (2006.01) H04L 65/1059 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PARTICIPANT-CONTROLLED VIDEO CONFERENCING**
[54] **SYSTEMES ET PROCEDES POUR UNE VIDEOCONFERENCE COMMANDEE PAR UN PARTICIPANT**
[72] DECAMP, RONALD, US
[72] TSANG, MAN CHEUNG DAN, US
[72] MARKOVSKY, NICOLAS ANTHONY, US
[71] TARGUS INTERNATIONAL LLC, US
[22] 2020-08-21
[41] 2021-02-25
[62] 3,148,974
[30] US (62/890,482) 2019-08-22

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[21] **3,238,672**
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[25] EN
[54] **METHOD AND APPARATUS FOR CONFIGURING TRANSFORM FOR VIDEO COMPRESSION**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE TRANSFORMEE POUR UNE COMPRESSION VIDEO**
[72] KOO, MOONMO, KR
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[22] 2018-08-06
[41] 2019-02-07
[62] 3,175,176
[30] US (62/541,103) 2017-08-04

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[21] **3,238,676**
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[25] EN
[54] **ADHESIVE PROPAGATION CONTROL USING BLOCKING SUB-LAYERS**
[54] **COMMANDE DE PROPAGATION D'ADHESIF A L'AIDE DE SOUS-COUCHES DE BLOCAGE**
[72] ZAFIROGLU, DIMITRI, US
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN, US
[71] ENGINEERED FLOORS LLC, US
[22] 2018-07-19
[41] 2019-02-07
[62] 3,071,333
[30] US (15/664,876) 2017-07-31

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[13] A1
[51] **Int.Cl. A61F 2/962 (2013.01) A61M 25/00 (2006.01) A61M 25/01 (2006.01)**
[25] EN
[54] **TUBULAR STRUCTURES WITH VARIABLE SUPPORT**
[54] **STRUCTURES TUBULAIRES A SUPPORT VARIABLE**
[72] KROLIK, JEFFERY, US
[72] KHOKHAR, RAJAN, US
[71] Q'APEL MEDICAL, INC., US
[22] 2016-01-20
[41] 2016-07-28
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[21] **3,238,684**
[13] A1
[51] **Int.Cl. H10N 97/00 (2023.01) H10B 63/00 (2023.01)**
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[54] **PHASE CHANGE DEVICE**
[54] **DISPOSITIF A CHANGEMENTS DE PHASES**
[72] LI, NING, US
[72] SADANA, DEVENDRA K., US
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US
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[62] 3,176,172
[30] US (16/903,245) 2020-06-16

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[54] **COMPACT MULTIFUNCTIONAL BATTERY BOOSTER**
[54] **BLOC D'ALIMENTATION MULTIFONCTIONNEL COMPACT POUR DEMARRAGE DE SECOURS**
[72] BUTLER, BRIAN F., US
[72] NGUYEN, LINH, US
[72] CLARKE, PATRICK, US
[72] ZHU, SHENZHONG, US
[72] CHEN, XIAO, US
[71] SCHUMACHER ELECTRIC CORPORATION, US
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[54] **NONWOVEN WATER-SOLUBLE COMPOSITE STRUCTURE**
[54] **STRUCTURE COMPOSITE NON TISSEE SOLUBLE DANS L'EAU**
[72] BRIDEWELL, VICTORIA, US
[72] SOAVE, CARLO, US
[72] KNIGHT, JONATHON, US
[71] MONOSOL, LLC, US
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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 3/24 (2006.01) B32B 15/08 (2006.01) B32B 37/12 (2006.01) B32B 38/04 (2006.01) B65D 51/20 (2006.01) B65D 53/04 (2006.01)**
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[54] **INDUCTION HEAT SEAL LINER AND METHOD OF MANUFACTURE**
[54] **REVETEMENT DE THERMOSOUDAGE PAR INDUCTION ET PROCEDE DE FABRICATION**
[72] SHI, GUANGDA, US
[72] BOURGEOIS, PHILIP, US
[71] TEKNI-PLEX, INC., US
[22] 2020-02-26
[41] 2020-09-10
[62] 3,132,153
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[21] **3,238,712**
[13] A1
[25] EN
[54] **METHOD FOR STABILIZING HEMOGLOBIN AND REAGENTS FOR PERFORMING THE SAME**
[54] **PROCEDE DE STABILISATION D'HEMOGLOBINE ET REACTIFS POUR SA MISE EN OEUVRE**
[72] FOURRIER, KEITH D., US
[72] HENNEK, JACQUELYN T., US
[72] DOMANICO, MICHAEL J., US
[72] WEISBERG, WILLIAM G., US
[72] LIDGARD, GRAHAM P., US
[72] HARINGS, KATHLEEN S., US
[72] SIMPSON, DANIEL J., US
[71] EXACT SCIENCES CORPORATION, US
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[21] **3,238,716**
[13] A1
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[54] **METHOD OF PREPARING PHOSPHORUS-CONTAINING FLAME RETARDANTS AND THEIR USE IN POLYMER COMPOSITIONS**
[54] **PROCEDE DE PREPARATION D'AGENTS IGNIFUGES CONTENANT DU PHOSPHORE ET LEUR UTILISATION DANS DES COMPOSITIONS POLYMERES**
[72] LEE, JULIA YUE, US
[72] BONYHADY, SIMON J., US
[72] HE, QINGLIANG, US
[72] SHARMA, RAMESH, US
[71] LANXESS CORPORATION, US
[22] 2019-12-18
[41] 2021-04-22
[62] 3,157,722
[30] US (62/923,444) 2019-10-18

[21] **3,238,721**
[13] A1
[25] EN
[54] **MULTIPLE-LASER LIGHT SOURCE**
[54] **SOURCE DE LUMIERE A LASERS MULTIPLES**
[72] MINOR, JOHANNES, CA
[72] DAMBERG, GERWIN, CA
[72] KUMARAN, RAVEEN, CA
[72] BALLESTAD, ANDERS, CA
[72] KOZAK, ERIC JAN, CA
[72] ROSENFELD, GIL, CA
[72] ELIZUR, ERAN, CA
[71] MTT INNOVATION INCORPORATED, CA
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[62] 2,956,844
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[51] **Int.Cl. G02B 21/26 (2006.01) C12M 1/34 (2006.01) G02B 21/06 (2006.01) G02B 21/36 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS, DEVICES, AND SYSTEMS FOR ANALYTE DETECTION AND ANALYSIS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE DETECTION ET D'ANALYSE D'ANALYTE**
[72] BECKETT, NATHAN, US
[72] ALMOGY, GILAD, US
[72] CASWELL, NATHAN, US
[72] WOLF, JACOB A., US
[72] BARBEE, KRISTOPHER, US
[72] PRISTINSKI, DENIS, US
[72] PRATT, MARK, US
[72] POLOVY, GENE, US
[72] SCHWARTZ, OSIP, US
[72] KUBECKA, STEPHANIE, US
[72] MENCHEN, STEVEN, US
[72] ANTHONY, JOSEPH, US
[72] SOSA, JOSE MARTIN, US
[72] LEE, PHILLIP YOU FAI, US
[71] ULTIMA GENOMICS, INC., US
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[41] 2020-09-17
[62] 3,129,726
[30] US (62/818,549) 2019-03-14
[30] US (62/837,684) 2019-04-23
[30] US (16/445,798) 2019-06-19
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[30] US (16/677,067) 2019-11-07
[30] US (16/677,115) 2019-11-07

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[54] **PROCESSES FOR THE PREPARATION OF SUGAMMADEX**
[54] **PROCEDES DE PREPARATION DE SUGAMMADEX**
[72] MCCABE DUNN, JAMIE M., US
[72] KUHL, NADINE, US
[72] CHEN, WENYONG, US
[72] CAO, YANG, US
[72] GAUTHIER, DONALD R., JR., US
[72] HYDE, ALAN MICHAEL, US
[72] ZULTANSKI, SUSAN L., US
[71] MERCK SHARP & DOHME LLC, US
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[51] **Int.Cl. A61F 2/04 (2013.01) A61B 17/00 (2006.01)**
[25] EN
[54] **IMPLANTABLE MOVEMENT RESTRICTION DEVICE FOR STOMACH FUNDAS WALL INVAGINATION**
[54]
[72] FORSELL, PETER, CH
[71] IMPLANTICA PATENT LTD., MT
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[30] US (61/006,719) 2008-01-29
[30] SE (0802138-8) 2008-10-10

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR DEWATERING SLURRIES**
[54] **SYSTEMES ET PROCEDES DE DESHYDRATATION DE BOUES**
[72] ANDERSON, GREGORY, US
[72] STORM, BRANDON, US
[72] STROBEL, ANDREW, US
[72] LANOUE, COREY, US
[72] ASKELSEN, TAYTE, US
[72] WHITTOME, SAMUEL EDMUND, GB
[72] JONES, ROSS PETER, GB
[71] VERMEER MANUFACTURING COMPANY, US
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[41] 2020-01-16
[62] 3,108,242
[30] US (62/696,201) 2018-07-10
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[51] **Int.Cl. C22F 1/10 (2006.01) C22C 19/03 (2006.01) C22F 1/00 (2006.01)**
[25] EN
[54] **WIRES OF NICKEL-TITANIUM ALLOY AND METHODS OF FORMING THE SAME**
[54] **FILS EN ALLIAGE NICKEL-TITANE ET LEURS PROCEDES DE FORMATION**
[72] BORN, DEBRA K., US
[72] KUMAR, PARIKSHITH K., US
[72] MAJOLAGBE, KEHINDE A., US
[72] NELSON, JARED S., US
[72] SILVERMAN, JAMES D., US
[71] W. L. GORE & ASSOCIATES, INC., US
[22] 2020-09-25
[41] 2021-04-01
[62] 3,150,116
[30] US (62/907,490) 2019-09-27

[21] **3,238,859**
[13] A1
[25] EN
[54] **METHODS AND APPARATUSES FOR TRANSMITTING AND RECEIVING CONTROL SIGNALING, AND METHOD FOR DETERMINING INFORMATION**
[54] **PROCEDES ET APPAREILS PERMETTANT D'EMETTRE ET DE RECEVOIR UNE SIGNALISATION DE COMMANDE, ET PROCEDE PERMETTANT DE DETERMINER DES INFORMATIONS**
[72] ZHANG, SHUJUAN, CN
[72] LI, YU NGOK, CN
[72] GAO, BO, CN
[72] JIANG, CHUANGXIN, CN
[72] ZHANG, NAN, CN
[72] WU, HAO, CN
[72] LU, ZHAOHUA, CN
[71] ZTE CORPORATION, CN
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[13] A1
[51] **Int.Cl. C25B 9/23 (2021.01) C25B 3/25 (2021.01) C25B 3/26 (2021.01) C25B 13/08 (2006.01)**
[25] EN
[54] **REACTOR WITH ADVANCED ARCHITECTURE FOR THE ELECTROCHEMICAL REACTION OF CO2, CO, AND OTHER CHEMICAL COMPOUNDS**
[54] **REACTEUR A ARCHITECTURE AVANCEE DESTINE A LA REACTION ELECTROCHIMIQUE DE CO2, DE CO, ET D'AUTRES COMPOSES CHIMIQUES**
[72] KUHL, KENDRA P., US
[72] CAVE, ETOSHA R., US
[72] LEONARD, GEORGE, US
[71] TWELVE BENEFIT CORPORATION, US
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[41] 2017-11-09
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